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All Prices Exclude VAT and Carriage

STAINLESS STEEL SUBMERSIBLES

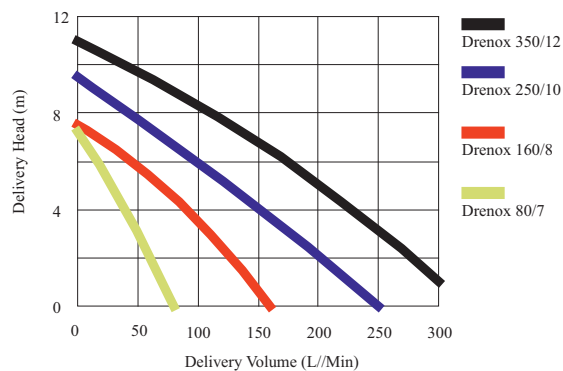
DRENOX 1 1/4"

CLEAN & BLACK WATER & ALL TYPES
OF DRAINAGE & CIRCULATION DUTY

E

MODEL	Kg	H x W x L mm	LM/HM	kW	CODE	PRICE
80-7 MAN 110v	5.7	340 x 190 x 190	80/7	0.2	555-001	
80-7 MAN 230v	5.7	340 x 190 x 190	80/7	0.2	555-003	
80-7 AUTO 110v	5.8	340 x 190 x 190	80/7	0.2	555-006	
80-7 AUTO 230v	5.8	340 x 190 x 190	80/7	0.2	555-009	
160-8 MAN 230v	6.5	380 x 190 x 190	160/8	0.37	555-012	
160-8 AUTO 230v	6.5	380 x 190 x 190	160/8	0.37	555-015	
250-10 MAN 230v	7	420 x 190 x 190	250/10	0.55	555-017	
250-10 AUTO 230v	7	420 x 190 x 190	250/10	0.55	555-022	
350-12 MAN 230v	8.5	420 x 190 x 190	350/12	0.75	555-025	
350-12 AUTO 230v	8.6	420 x 190 x 190	350/12	0.75	555-028	
350-12 T MAN 415v	8.4	420 x 190 x 190	350/12	0.75	555-029	

Drenox range are centrifugal drainage pumps. All stainless steel. Supplied with 10 metres of power cable and hose tail. Twin NBR lip sealed. For uses in drainage, clean, black water and circulation duties. Maximum submersion depth 7 metres.



Drenox Auto

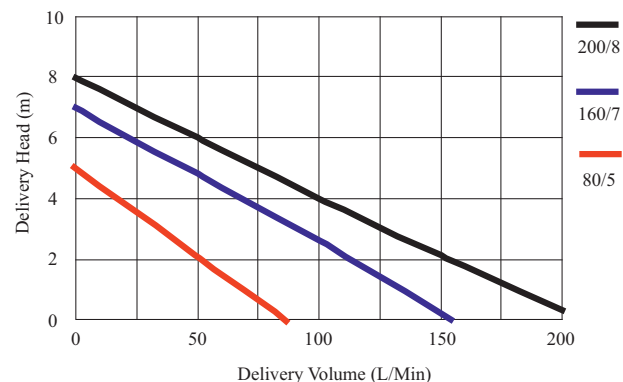
OMNIA 1 1/4"

BLACK WATER & SOLIDS UP TO 20mm
DIA, CESS PITS/PONDS/LIGHT SEWAGE

E

MODEL	Kg	H x W x L mm	LM/HM	kW	CODE	PRICE
80-5 MAN 230v	5.7	340 x 190 x 190	80/5	0.2	555-031	
80-5 AUTO 230v	5.7	340 x 190 x 190	80/5	0.2	555-033	
80-5 AUTO 110v	5.8	340 x 190 x 190	80/5	0.2	555-035	
80-5 MAN 110v	5.8	340 x 190 x 190	80/5	0.2	555-041	
160-7 MAN 230v	7	380 x 190 x 190	160/7	0.37	555-037	
160-7 AUTO 230v	7.1	380 x 190 x 190	160/7	0.37	555-039	
200-8 MAN 230v	8	420 x 190 x 190	200/8	0.55	555-043	
200-8 AUTO 230v	8.1	420 x 190 x 190	200/8	0.55	555-045	
200-8 MAN 110v	8.4	420 x 190 x 190	200/8	0.55	555-050	
200-8 AUTO 110v	8.4	420 x 190 x 190	200/8	0.55	555-048	

Omnia range are vortex pumps. All stainless steel. Supplied with 10 metres of power cable and hose tail. Twin NBR lip sealed. For uses in drainage, black water, cess pits, pond circulation and where soft solids in the water are no bigger than 20mm. Maximum submersion depth 7 metres.



Omnia Auto

STAINLESS STEEL SUBMERSIBLES

PRATIKA – STAINLESS STEEL MULTISTAGE PUMP

1 1/4" OUTLET 230v

D

MODEL	Kg	H x W x L mm	LM/HM	kW	CODE	PRICE
PRATIKA MANUAL	10.8	406 x 178 x 178	110/45	1.2	022-824	
PRATIKA AUTO	10.8	406 x 178 x 178	110/45	1.2	022-822	

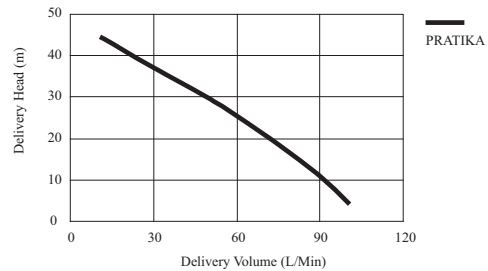
The Pratika pumps are portable and ready to use for installation in traditional wells, water deposits and collection tanks. Also suitable for small scale irrigation systems.

CLEAN WATER ONLY with no suspended solids or abrasive material.

All stainless steel apart from the impellers and diffusers which are made from Noryl.

NBR lip sealed followed by a carbon ceramic seal.

Supplied with 15 metres of power cable and a hoesetail. Maximum submersion depth 10 metres.



Pratika Auto

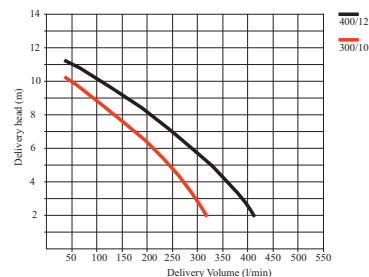
BIOX 2"

SEWAGE & WASTE WATER – UP TO 40mm
DIA FREE PASSAGE THROUGH PUMP BODY

E

MODEL	Kg	H x W x L mm	LM/HM	kW	CODE	PRICE
300-10 AUTO 230v	10	440 x 190 x 190	300/10	1.3	555-054	
400-12 AUTO 230v	11	460 x 190 x 190	400/12	1.6	555-057	

Biox range is an all stainless steel pump used for the pumping of waste water containing soft solids up to 40mm. Carbon ceramic seal followed by NBR lip seal. Supplied with 10 metres of power cable. No hoesetail is supplied. Maximum submersion depth 7 metres.



Biox Auto

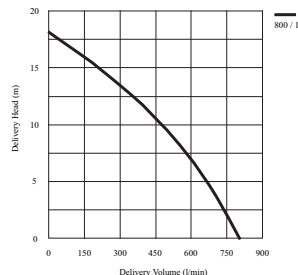
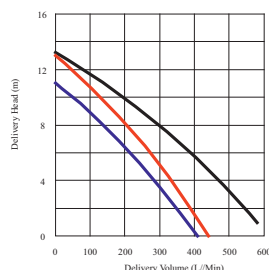
PRIOX 2"

HEAVY DUTY SEWAGE & WASTE WATER – UP TO
40mm DIA FREE PASSAGE THROUGH PUMP BODY

E

MODEL	Kg	H x W x L mm	LM/HM	kW	CODE	PRICE
420-11 MAN 230v	11.2	440 x 235 x 241	420/11	1.3	555-065	
420-11 AUTO 230v	11.2	440 x 235 x 241	420/11	1.3	555-064	
420-11 MAN 415v	11.2	440 x 235 x 241	420/11	1.3	555-063	
460-13 AUTO 230v	11.7	440 x 235 x 241	460/13	1.6	555-066	
460-13 MAN 415v	11.7	440 x 235 x 241	460/13	1.45	555-067	
600-13 MAN 415v	12.6	450 x 235 x 241	600/13	1.8	555-068	
800-18 MAN 415v	20.2	485 x 235 x 241	800/18	3	555-069	

Priox range is an all stainless steel pump used for the pumping of waste water containing soft solids up to 40mm. Carbon ceramic seal followed by NBR lip seal. Supplied with 10 metres of power cable. No hoesetail is supplied. Maximum submersion depth 7 metres.



Priox Auto

WASTE & DRAINAGE

VIP & VIPVORT 1 1/4"

LIGHT DUTY DRAINAGE/POOL PUMPS PLASTIC/STAINLESS STEEL 230v

E

MODEL	Kg	H x W x L mm	LM/HM	kW	CODE	PRICE
VIP130-6 MAN	4.5	290 x 165 x 165	130/6	0.32	020-070	
VIP130-6 AUTO	4.6	290 x 165 x 165	130/6	0.32	020-072	
VIP180-7 MAN	4.7	290 x 165 x 165	180/7	0.37	020-074	
VIP180-7 AUTO	4.8	290 x 165 x 165	180/7	0.37	020-076	
VIPVORT130-5 MAN	4.5	300 x 165 x 165	130/5	0.37	020-080	
VIPVORT130-5 AUTO	4.6	300 x 165 x 165	130/5	0.37	020-082	
VIPVORT180-6 AUTO	4.8	300 x 165 x 165	180/6	0.48	020-086	

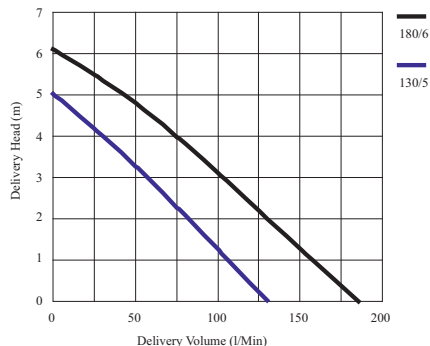
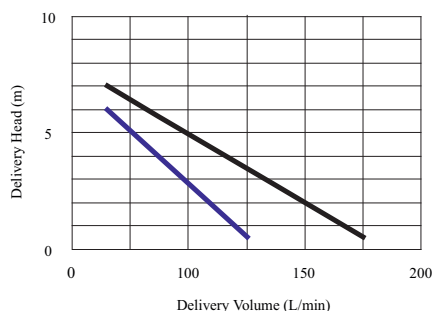
VIP series are designed for applications in clean water. Emptying of cellars, rain water collection tanks and decorative garden fountains are examples.

VIPVORT series are designed for applications in dirty water with suspended soft solids up to 20mm.

Both versions have the following –

- Pump body, diffuser and strainer made from polypropylene
- Stainless steel motor housing and shaft
- Noryl impeller
- Shaft with ceramic sleeve at wear point and double NBR 70 lip seals
- Easy open and close system on the strainer and diffuser for cleaning purposes

All models come complete with 10 metres of power cable.



VIP MANUAL



VIP VORT AUTO

RS 100 PUMP

1" MALE OUTLET – LIGHT DUTY DRAINAGE/POOL PUMP 230v

A

MODEL	Kg	H x W x L mm	LM/HM	kW	CODE	PRICE
RS100	4.7	260 x 132 x 132	75/7	0.1	010-100	

Light duty centrifugal drainage pump, suitable for clean and dirty water.

Not suitable for continuous pond usage.

Designed for small sumps.

Can be made to work automatically by fitting either the small Mac-3 or Agma float.

Top outlet. Plastic outer cover, lower motor/bearing housing, impeller, pump housing and strainer. Single silicon mechanical seal in a lubricated shared chamber with the motor.

These pumps are not to be installed laying on their sides.

Complete with 1" female hosetail adapter and 10 metres of power cable.



RS 100

MODELS RS

CAN BE MODIFIED FOR
AUTOMATIC OPERATION

A

TYPE	CODE	PRICE
FLOAT SWITCH – SMALL MAC-3	020-001	
FLOAT SWITCH – AGMA 22 MAGNETIC	020-003	



AGMA

WASTE & DRAINAGE

JS-SV SOFT SOLIDS HANDLING VORTEX PUMPS

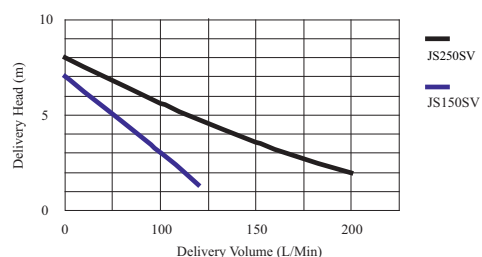
JS-150 SV 1¼" OUTLET – JS-250 SV 1½" OUTLET

A

MODEL	VOLTAGE	FLOAT TYPE	Kg	H x W x L mm	LM/HM	kW	CODE	PRICE
JS-150 SV	230v	None	6.6	330 x 135 x 178	120/7	0.15	011-150	
JS-150 SVA	230v	Small Mac-3	6.6	330 x 135 x 178	120/7	0.15	011-150A	
JS-150 SVAG	230v	Agma	6.6	330 x 195 x 178	120/7	0.15	011-150AG	
JS-150 SV	110v	None	6.6	330 x 135 x 178	120/7	0.15	011-152	
JS-150 SVA	110v	Small Mac-3	6.6	330 x 135 x 178	120/7	0.15	011-152A	
JS-150 SVAG	110v	Agma	6.6	330 x 195 x 178	120/7	0.15	011-152AG	
JS-250 SV	230v	None	15.2	420 x 145 x 215	220/8	0.25	011-250	
JS-250 SVA	230v	Mac-3	15.2	420 x 145 x 215	220/8	0.25	011-250A	
JS-250 SVAG	230v	Agma	15.2	420 x 225 x 215	220/8	0.25	011-250AG	
JS-250 SV	110v	None	15.2	420 x 145 x 215	220/8	0.25	011-252	
JS-250 SVA	110v	Mac-3	15.2	420 x 145 x 215	220/8	0.25	011-252A	
JS-250 SVAG	110v	Agma	15.2	420 x 225 x 215	220/8	0.25	011-252AG	

JS150SV vortex impeller, capable of pumping soft solids upto 25mm. Plastic motor lid, lower motor/bearing housing, impeller and pump body. Stainless steel shaft and outer motor casing. Single silicon mechanical seal. Ten metres of power cable. 1¼" BSP female outlet, complete with 1¼" male hoesetail. **The JS150SV pumps must not be installed laying on their side.**

JS250SV vortex impeller capable of pumping soft solids upto 36mm. Cast iron motor lid, lower motor/seal housing, impeller and pump chamber. Stainless steel shaft and outer motor casing. Twin mechanical seals in a lubricated chamber. Ten metres of power cable. 1½" BSP female outlet, complete with 1½" BSP male hoesetail.



JS-150SV



JS-150SVAG
shown with Agma



JS-150SVA



JS-250SV



JS-250SVAG



JS-250SVA
shown with Mac-3

WASTE & DRAINAGE

RSD-150 RESIDUE

A

MODEL	Kg	H x W x L mm	LM/HM	kW	CODE	PRICE
RSD-150 230V	5	260 x 132 x 132	120/7	0.15	012-150	
The RSD-150 Puddle Buddy						

The RSD-150, puddle buddy pump is a semi-professional drainage pump, designed for clean water in domestic applications for example, rooms, garages and cellars. Requires a minimum of 5mm of water to operate, prime and start to pump. One inch male top outlet complete with 1" / 3/4" / 1/2" step adapter female hose tail. Plastic outer cover, lower motor/bearing housing, impeller, pump housing and strainer. Single silicon mechanical seal in a lubricated chamber with a single oil seal in the media. Complete with ten metres of power cable. These pumps must not be installed/left laying on their side.



Ideal for limited space.

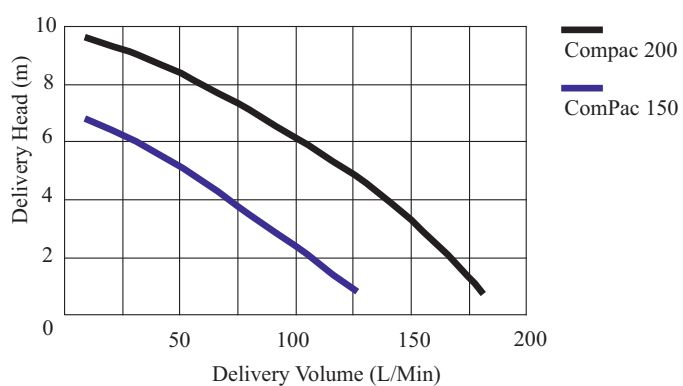
WASTE & DRAINAGE

COMPAC

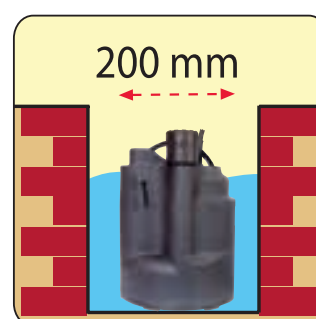
E

MODEL	Kg	H x W x L mm	LM/HM	kW	CODE	PRICE
COMPAC 150 230V	5	280 x 170 x 200	140/7	0.3	020-090	
COMPAC 200 230V	6	280 x 170 x 200	190/10	0.65	020-094	
COMPAC 150 110V	5	280 x 170 x 200	140/7	0.3	020-092	

The Compac range are for clean water, designed to drain domestic applications. Ideal for limited spaces. Complete with integral float switch, which can be selected in automatic or manual mode. In automatic mode the pump switches on when the water level reaches approx 140mm and switches off at approx 30mm. In manual mode the level of water can be pumped down to approx 3mm. Supplied with check valve and a 1 1/4" adjustable hose connector for hose sizes 3/4", 1" and 1 1/4" and 10 metres of power cable. Pump body made from polypropylene, noryl impeller, stainless steel shaft. Twin NBR lip sealed.



Automatic and manual mode.



Ideal for limited space.

WASTE & DRAINAGE

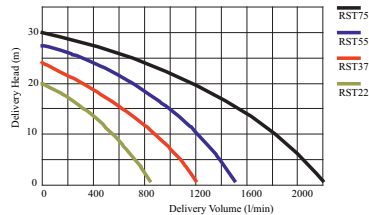
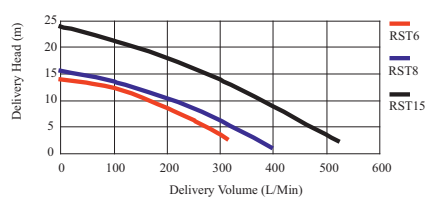
RST TOP OUTLET SUBMERSIBLE PUMPS

415v 3 PHASE



MODEL	Kg	H x W x L mm	LM/HM	kW	CODE	PRICE
RST-6 2"	18.6	420 x 190 x 190	280/12	0.55	012-006	
RST-8 2"	20	420 x 190 x 190	380/15	0.75	012-008	
RST-15 2"	29.6	500 x 180 x 180	500/23	1.5	012-015	
RST-22 3"	52.6	530 x 250 x 250	850/20	2.2	012-022	
RST-37 4"	58	535 x 250 x 250	1200/23	3.7	012-037	
RST-55 4"	73	640 x 250 x 250	1500/25	5.5	012-055	
RST-75 4"	73	640 x 250 x 250	2200/30	7.5	012-075	

Top outlet, twin mechanical seals, carbon ceramic and silicon carbide in a lubricated chamber. Stainless steel outer case shaft and motor case. Cast iron lower motor bearing/seal housing, motor top cover and volute. Complete with 10 metres of power cable. Hosetails are supplied only with models RST6, 8 and 15. Suitable for water features, drainage applications, clean and dirty water.



RST-6

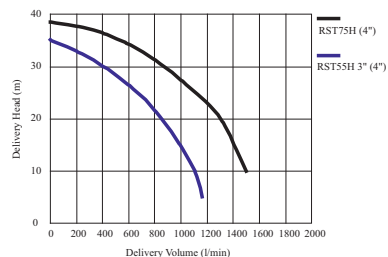
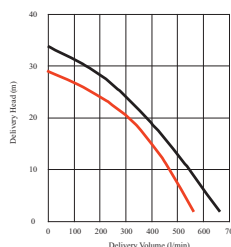
RST TOP OUTLET SUBMERSIBLE PUMPS

HIGH HEAD VERSIONS 415v 3 PHASE



MODEL	Kg	H x W x L mm	LM/HM	kW	CODE	PRICE
RST-22H 2"	52.6	530 x 250 x 250	600/30	2.2	012-024	
RST-37H 3"	58	535 x 250 x 250	650/33	3.7	012-039	
RST-55H 3"	73	600 x 250 x 250	1100/34	5.5	012-059	
RST-75H 4"	78	640 x 250 x 250	1450/38	7.5	012-077	

As above but with the added feature of high head capabilities.



RST-22

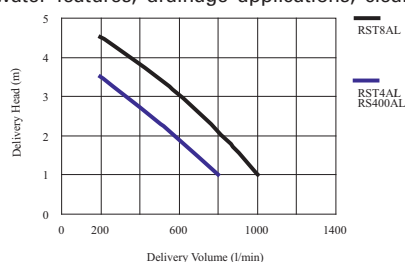
RS/T HIGH FLOW PROPELLER PUMPS

4" OUTLET HIGH FLOW MINIMUM POWER



MODEL	Kg	H x W x L mm	LM/HM	kW	CODE	PRICE
RS-400 AL 230v 4"	26	475 x 250 x 250	800/3	0.4	011-500	
RST-4 AL 415v 4"	26	475 x 250 x 250	800/3.5	0.4	011-502	
RST-8 AL 415v 4"	30	475 x 250 x 250	1000/4.5	0.75	011-504	

Top outlet, high flow propeller pump. Twin mechanical seals, carbon ceramic and silicon carbide in a lubricated chamber. Stainless steel outer case, shaft, motor case, lower motor seal bearing housing and motor top cover. Brass impeller. Complete with 10 metres of power cable. No hose tail is supplied. Suitable for water features, drainage applications, clean and dirty water.



RS-AL

All models can be made to operate automatically, see pages 48 and 51 for control panels and pages 52 and 53 for float switches.

WASTE & DRAINAGE

RS SUBMERSIBLE PUMPS – STAINLESS STEEL OUTER CASE



MODEL	Kg	H x W x L mm	LM/HM	kW	CODE	PRICE
RS-150 230v 1 $\frac{1}{4}$ "	12.0	370 x 167 x 167	120/7	0.15	010-150	
RS-150 110v 1 $\frac{1}{4}$ "	12.0	370 x 167 x 167	120/7	0.15	010-152	
RS-250 230v 1 $\frac{1}{2}$ "	13.0	370 x 167 x 167	180/9	0.25	010-250	
RS-250 110v 1 $\frac{1}{2}$ "	13.0	370 x 167 x 167	180/9	0.25	010-252	
RS-400 230v 2"	14.0	370 x 167 x 167	240/12	0.4	010-400	
RS-400 110v 2"	14.0	370 x 167 x 167	240/12	0.4	010-402	
RS-550 230v 2"	19.6	413 x 192 x 192	300/14	0.55	010-550	
RS-550 110v 2"	19.6	413 x 192 x 192	300/14	0.55	010-552	
RS-750 230v 2"	20.0	413 x 192 x 192	350/16	0.75	010-750	
RS-750 110v 2"	20.0	413 x 192 x 192	350/16	0.75	010-752	

Top outlet, twin mechanical seals, carbon ceramic and silicon carbide in a lubricated chamber. Stainless steel outer case, shaft and motor case. Cast iron lower motor bearing/seal housing, motor top cover and volute. Complete with 10 metres of power cable and hose tail. Suitable for water features, draining applications, clean and dirty water.

All models above can be fitted with the Mac-3 cable float switch or Agma magnetic float switch. For ordering purposes add 'A' for Mac-3, add AG for Agma onto the end of the product code. (Model RS750 110v can only except the MAC-3 float, not the AGMA due to the high current.)

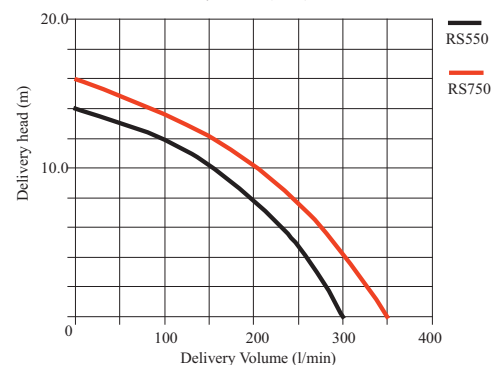
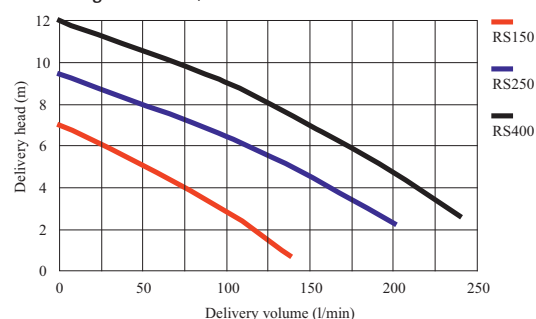


RS-400
shown with Agma



RS-750
shown with Mac-3

RS-150



MODELS JS/RS CAN BE MODIFIED FOR AUTOMATIC OPERATION



TYPE	CODE	PRICE
FLOAT SWITCH – MAC3	020-001	
FLOAT SWITCH – AGMA 22 MAGNETIC	020-003	

(Small sump operation)



Mac-3



Agma

WASTE & DRAINAGE

JST SUBMERSIBLE PUMPS – 415v 3 PHASE



MODEL	Kg	H x W x L mm	LM/HM	kW	CODE	PRICE
JST-4 2"	14	370 x 145 x 220	240/12	0.4	011-004	
JST-8 2"	24	420 x 190 x 260	380/15	0.75	011-008 2"	
JST-8 3"	24	420 x 190 x 280	380/15	0.75	011-008 3"	
JST-15 3"	28	440 x 190 x 280	500/18	1.5	011-015	
JST-22 3"	39	510 x 220 x 315	850/20	2.2	011-022	
JST-37 4"	44	525 x 220 x 320	1300/24	3.7	011-037	
JST-55 4"	66	640 x 280 x 500	1800/22	5.5	011-055	
JST-75 6"	76	720 x 280 x 500	2000/31	7.5	011-075	



JST-4



JST-15

JST SUBMERSIBLE PUMPS 415v 3 PHASE HIGH HEAD VERSION

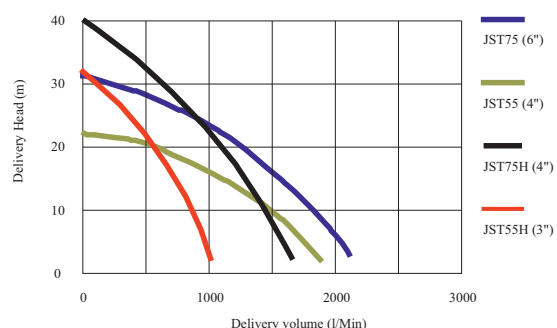
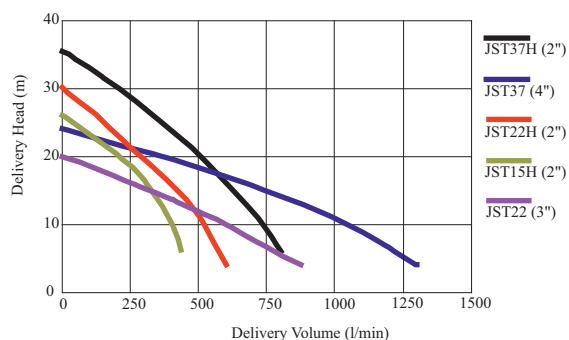
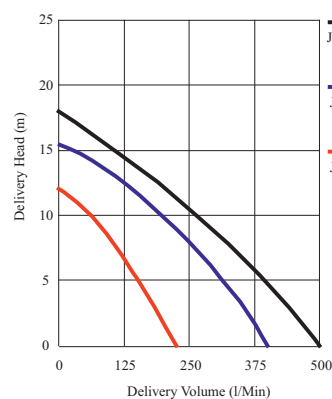


MODEL	Kg	H x W x L mm	LM/HM	kW	CODE	PRICE
JST-15H 2"	27	420 x 190 x 250	450/23	1.5	011-019	
JST-22H 2"	40	510 x 220 x 315	650/30	2.2	011-023	
JST-37H 2"	45	525 x 220 x 320	850/35	3.7	011-039	
JST-55H 3"	66	640 x 280 x 500	1050/32	5.5	011-057	
JST-75H 4"	76	720 x 280 x 500	1600/40	7.5	011-077	

JST and JST High Head versions

Twin mechanical seals, carbon ceramic and silicon carbide in a lubricated chamber. Stainless steel shaft and motor case. Cast iron motor top cover, lower motor/seal housing, pump case, impeller and volute. Complete with 10 metres of power cable. Hose tails are supplied with all models apart from the JST37, 55, 75, 55H and 75H.

Suitable for drainage applications, clean and dirty water.



JST-22

All models can be made to operate automatically, see pages 48 and 51 for control panels and pages 52 and 53 for float switches.

WASTE & DRAINAGE

JS HEAVY DUTY CONTRACTOR PUMPS SINGLE PHASE

A

MODEL	Kg	H x W x L mm	LM/HM	kW	CODE	PRICE
JS-250 MAN 230v 1½"	12.5	370 x 150 x 220	200/10	0.25	011-200	
JS-250 AUTO 230v 1½"	12.5	370 x 150 x 220	200/10	0.25	011-200A	
JS-250 MAN 110v 1½"	12.5	370 x 150 x 220	200/10	0.25	011-202	
JS-250 AUTO 110v 1½"	12.5	370 x 150 x 220	200/10	0.25	011-202A	
JS-400 MAN 230v 2"	15	420 x 150 x 220	240/12	0.4	011-400	
JS-400 AUTO 230v 2"	15	420 x 150 x 220	240/12	0.4	011-400A	
JS-400 MAN 110v 2"	15	420 x 150 x 220	240/12	0.4	011-402	
JS-400 AUTO 110v 2"	15	420 x 150 x 220	240/12	0.4	011-402A	
JS-750 MAN 230v 2"	27	480 x 195 x 255	400/15	0.75	011-750 2"	
JS-750 AUTO 230v 2"	27	480 x 195 x 255	400/15	0.75	011-750A 2"	
JS-750 MAN 110v 2"	27	480 x 195 x 255	400/15	0.75	011-752 2"	
JS-750 AUTO 110v 2"	27	480 x 195 x 255	400/15	0.75	011-752A 2"	
JS-750 MAN 230v 3"	27	480 x 195 x 285	400/15	0.75	011-750 3"	
JS-750 AUTO 230v 3"	27	480 x 195 x 285	400/15	0.75	011-750A 3"	
JS-750 MAN 110v 3"	27	480 x 195 x 285	400/15	0.75	011-752 3"	
JS-750 AUTO 110v 3"	27	480 x 195 x 285	400/15	0.75	011-752A 3"	
JS-1500 MAN 230v 3"	32	510 x 195 x 285	720/19	1.5	011-760	
JS-1500 AUTO 230v 3"	32	510 x 195 x 285	720/19	1.5	011-760A	
JS-1500 H MAN 230v 2"	32	510 x 195 x 255	450/22	1.5	011-764	
JS-1500 H AUTO 230v 2"	32	510 x 195 x 255	450/22	1.5	011-764A	



JS-400 AUTO



JS-750 MAN



MAC-3



DH-100 AUTO

AUTOMATIC PUMPS ARE FITTED WITH MAC3 FLOATS ALLOW APPROX. 300mm AWAY FROM PUMP FOR FLOAT SWITCH TO OPERATE

JS & JS-High Head versions.

Twin mechanical seals, carbon ceramic and silicon carbide in a lubricated chamber.

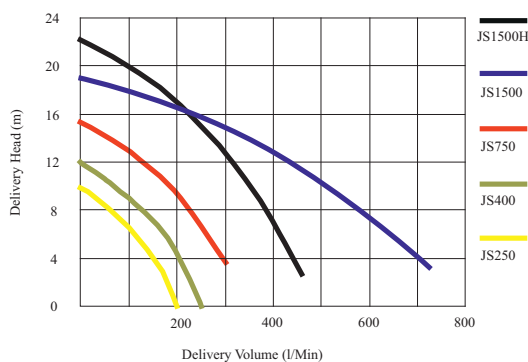
Stainless steel shaft and motor case.

Cast iron motor top cover, lower motor bearing/seal housing, pump case, impeller and volute.

Complete with 10 metres of power cable.

Hose tails are supplied with all models.

Suitable for drainage applications, clean and dirty water.



PENTAX DH-100

E

MODEL	Kg	H x W x L mm	LM/HM	kW	CODE	PRICE
DH-100 MAN 230v 1½"	14	330 x 150 x 220	320/19.4	1.37	020-616	
DH-100 AUTO 230v 1½"	14	330 x 150 x 220	320/19.4	1.37	020-618	

DH100 centrifugal drainage pump with open impeller for pumping liquids with suspended solids up to 10mm.

Cast iron pump body.

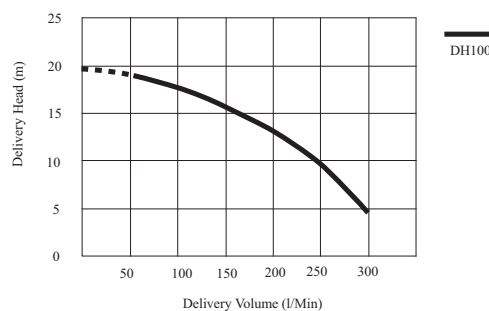
Stainless steel motor cover and shaft.

Double sealing arrangement.

Maximum liquid temperature 40°C

Maximum submersion depth 5 metres.

Complete with 10 metres of power cable.



WASTE & DRAINAGE

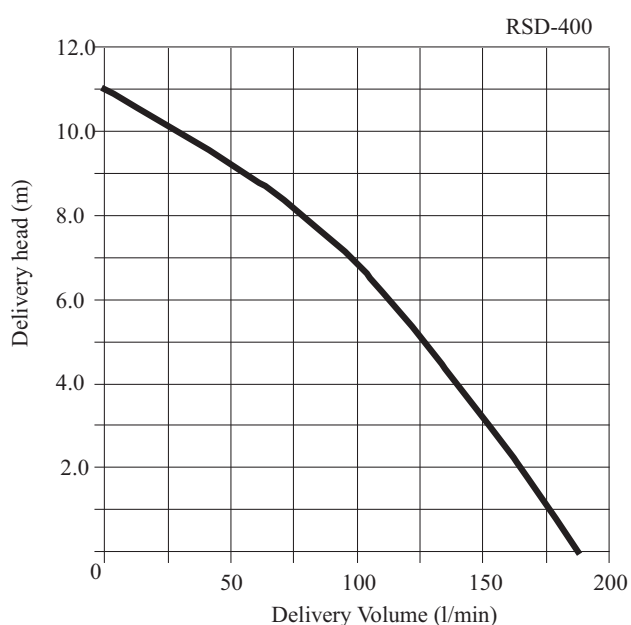
RSD-400 RESIDUE DRAINAGE PUMP

PUDDLE SUCKER – DOWN TO 1mm

A

MODEL	Kg	H x W x L mm	LM/HM	kW	CODE	PRICE
RSD-400 230v	15	370 x 167 x 167	180/11	0.4	012-400	
RSD-400 110v	15	370 x 167 x 167	180/11	0.4	012-402	

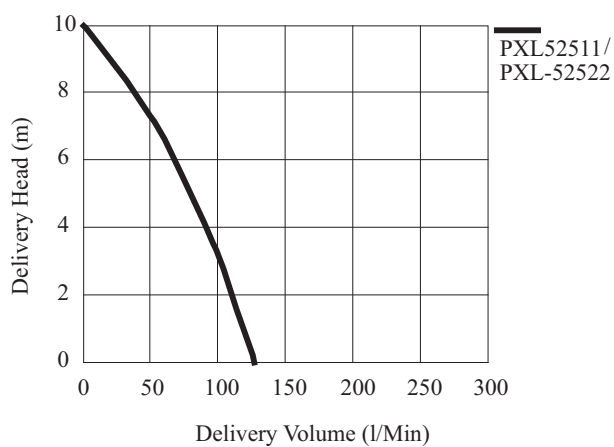
- 1¼ top outlet with 25mm, 19mm and 15mm step adapter hosetail
- The main feature of this pump is the ability to drain down to approx 1mm while the remaining flood water can be swept into the pump for removal
- Stainless steel outer case, motor pack and shaft
- Cast iron motor lid, pump casing and volute
- Equipped with non return valve on the suction of the pump to stop any return of water and has to be primed if using in shallow water
- Bottom plate made with a cushioned rubber to help against damaging bottoms of tanks
- Complete with ten metres of power cable
- Can be used with electronic control for automatic operation



WASTE & DRAINAGE

PONSTAR PXL RESIDUE PUMP 1" OUTLET						A
MODEL	Kg	H x W x L mm	LM/HM	kW	CODE	PRICE
PONSTAR PXL 230v	13	315 x 190 x 190	120/10	0.52	PXL-52522	
PONSTAR PXL 110v	13	315 x 190 x 190	120/10	0.59	PXL-52511	

- Suitable for clean water pumping
- Pumps down to 1mm
- Complete with internal check valve and has to be primed if using in shallow water
- Twin mechanical seals, one carbon and one silicon in a lubricated chamber
- Mostly of alloy construction
- Impeller and volute plate are made from a urethane rubber to give a longer life than the traditional cast iron
- Complete with 10 metres of power cable, hoesail, hose clip and 5 metres of rope
- Designed so that the delivery flange can be altered from vertical to horizontal (to stop that annoying kink in the hose)
- Lightweight and can be recycled
- Can be used with electronic control for automatic operation



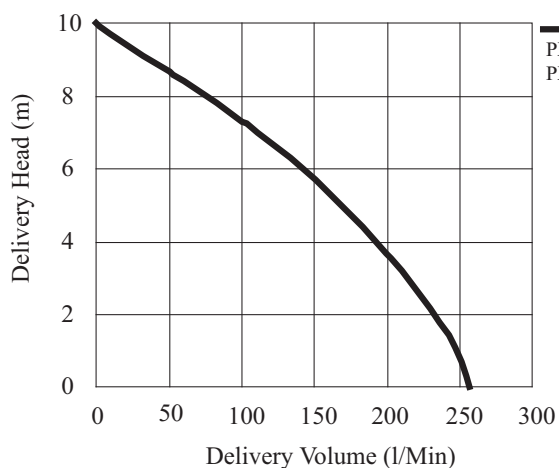
WASTE & DRAINAGE

PONSTAR PX 2" OUTLET

A

MODEL	Kg	H x W x L mm	LM/HM	kW	CODE	PRICE
PONSTAR PX 230v MAN	13	308 x 180 x 190	260/10	0.64	PX55022	
PONSTAR PX 230v AUTO	13	308 x 180 x 190	260/10	0.64	PX55022A	
PONSTAR PX 110v MAN	13	308 x 180 x 190	260/10	0.58	PX55011	
PONSTAR PX 110v AUTO	13	308 x 180 x 190	260/10	0.58	PX55011A	

- Suitable for heavy duty applications in clean and dirty water
- Twin mechanical seals, one carbon and one silicon in a lubricated chamber
- Mostly of alloy construction
- Impeller and volute plate are made from a urethane rubber to give a longer life than the traditional cast iron
- Complete with 10 metres of power cable, hosetail, hose clip and 5 metres of rope
- Designed so that the delivery flange can be altered from vertical to horizontal (to stop that annoying kink in the hose)
- Lightweight and can be recycled


 PX-55011/
PX-55022

WASTE & DRAINAGE

PONSTAR PB **THE ORIGINAL PONSTAR 2" OUTLET**

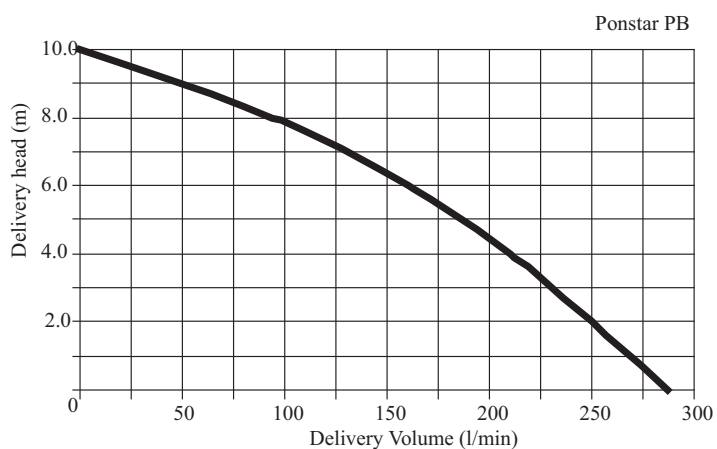
A

MODEL	Kg	H x W x L mm	LM/HM	kW	CODE	PRICE
PONSTAR PB 230v MAN	16	415 x 195 x 195	290/10	0.6	040-620	
PONSTAR PB 230v AUTO	16	415 x 195 x 195	290/10	0.6	040-620A	
PONSTAR PB 110v MAN	16	415 x 195 x 195	290/10	0.7	040-622	
PONSTAR PB 110v AUTO	16	415 x 195 x 195	290/10	0.7	040-622A	

- Heavy duty construction and unbeatable performance
- Capacitor start, induction run motor for extra starting torque
- Twin mechanical seals, one carbon and one silicon carbide in a lubricated chamber
- Stainless steel motor casing, volute plate and shaft. Cast iron impeller
- Pump casing, lower motor casting, top motor cover and outlet hose coupling are made from alloy
- Suitable for heavy duty drainage applications, clean and dirty water
- Complete with 10 metres of power cable, hose clip and 5 metres of rope



Ponstar Manual



Ponstar Auto

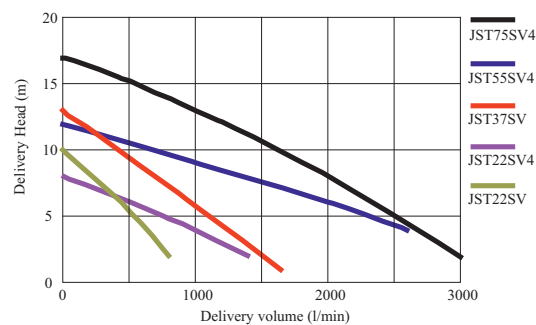
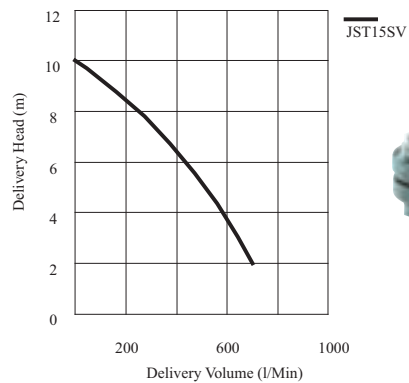
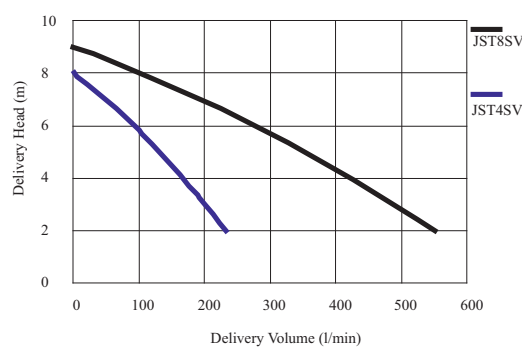
SEWAGE & WASTE

JST SEWAGE PUMPS – 415v 3-PHASE SV VERSIONS – VORTEX IMPELLER



MODEL	Kg	H x W x L mm	LM/HM	kW	CODE	PRICE
JST-4 SV 2"	15.4	415 x 140 x 215	240/8	0.4	012-698	
JST-8 SV 3"	29.4	470 x 170 x 345	550/9	0.75	012-768	
JST-15 SV 3"	36.6	515 x 170 x 395	700/10	1.5	012-774	
JST-22 SV 3" 2 POLE	52.2	580 x 210 x 430	900/11	2.2	011-026	
JST-22 SV 3" 4 POLE	59.6	650 x 255 x 480	1400/8	2.2	011-025	
JST-37 SV 3"	61.2	660 x 255 x 480	1400/14	3.7	011-040	
JST-55 SV 4"	99.6	830 x 310 x 650	2600/12	5.5	012-788	
JST-75 SV 4"	110	830 x 310 x 650	3000/17	7.5	012-792	

JST-SV versions are submersible sewage vortex impeller pumps allowing soft solids to be passed through the pump body to waste. Available as free standing as standard or can be guide rail mounted. See bottom of page for guide rails. Cast iron pump body, impeller, lower motor bearing/seal housing and motor top cover. Stainless steel shaft and motor casing. Twin mechanical seals, carbon ceramic and silicon carbide in a lubricated chamber. Complete with 10 metres of power cable. Hose tails are supplied up to model JST-37 SV. JST-4 SV – 36mm solids handling. JST-08 SV – 36mm, JST-15 SV – 46mm, JST-22 SV – 65mm, JST-37 SV – 57mm, JST55 SV & 75SV – 80mm solids handling.



All models can be made to operate automatically, see pages 48 & 51 for control panels and pages 52 & 53 for float switches.

GUIDE RAIL SETS DIMENSIONS ON PAGE 20



MODEL	OUTLET	CODE	PRICE
JS-2" SR-50H	2"	020-501H	
JS-3" SR-80	3"	020-504	
JS-4" SR-100	4"	020-506	

FOR CONTROL PANELS AND FLOAT SWITCHES PLEASE SEE PAGES 48 - 53



JST-4 SV



JST-15 SV



SR-50H



SR-80/100

SEWAGE & WASTE

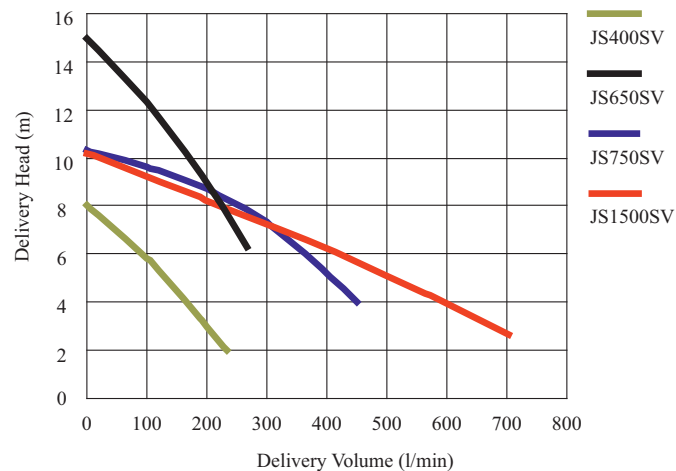
JS SEWAGE PUMPS – SINGLE PHASE SV VERSIONS – VORTEX IMPELLER



MODEL	Kg	H x W x L mm	LM/HM	kW	CODE	PRICE
JS-400 SV MAN 230v 2"	17	460 x 145 x 215	240/8	0.4	012-410	
JS-400 SV AUTO 230v 2"	17	460 x 145 x 215	240/8	0.4	012-410A	
JS-400 SV MAN 110v 2"	17	460 x 145 x 215	240/8	0.4	012-414	
JS-400 SV AUTO 110v 2"	17	460 x 145 x 215	240/8	0.4	012-414A	
JS-650 SV MAN 230v 2"	21	480 x 160 x 230	300/15	0.75	011-700	
JS-650 SV AUTO 230v 2"	21	480 x 160 x 230	300/15	0.75	011-700A	
JS-650 SV MAN 110v 2"	21	480 x 160 x 230	300/15	0.75	011-702	
JS-650 SV AUTO 110v 2"	21	480 x 160 x 230	300/15	0.75	011-702A	
JS-750 SV MAN 230v 3"	32	530 x 165 x 345	500/9	0.75	012-751	
JS-750 SV AUTO 230v 3"	32	530 x 165 x 345	500/9	0.75	012-751A	
JS-750 SV MAN 110v 3"	32	530 x 165 x 345	500/9	0.75	012-754	
JS-750 SV AUTO 110v 3"	32	530 x 165 x 345	500/9	0.75	012-754A	
JS-1500 SV MAN 230v 3"	44	610 x 190 x 370	700/10	1.5	011-768	
JS-1500 SV AUTO 230v 3"	44	610 x 190 x 370	700/10	1.5	011-768A	

**AUTOMATIC PUMPS ARE FITTED WITH MAC3 FLOATS
ALLOW APPROX 300MM AWAY FROM PUMP FOR FLOAT SWITCH TO OPERATE**

JS-SV series are submersible sewage vortex impeller pumps allowing soft solids to be passed through the pump body to waste. Available as standard as free standing or can be guide rail mounted. See below for guide rails. Cast iron pump body, impeller, lower motor bearing/ seal housing and motor top cover. Stainless steel shaft and motor casing. Twin mechanical seals, carbon ceramic and silicon carbide in a lubricated chamber. Complete with 10 metres of power cable. Hose tails are supplied with all models. JS-400/650sv – 36mm solids handling. JS-750sv – 46mm solids handling. JS-1500sv – 65mm solids handling.



GUIDE RAIL SETS DIMENSIONS ON PAGE 20



MODEL	OUTLET	CODE	PRICE
JS-2" SR-50H	2"	020-501H	
JS-3" SR-80	3"	020-504	

FOR CONTROL PANELS AND FLOAT SWITCHES PLEASE SEE PAGES 48 - 53



JS-400 SV MANUAL



JS-400 SV AUTO



JS-750 SV



SR-50H



SR-80

SEWAGE & WASTE

JST SEWAGE PUMPS – 415v 3-PHASE SK VERSIONS – SINGLE CHANNEL CUTTER IMPELLER

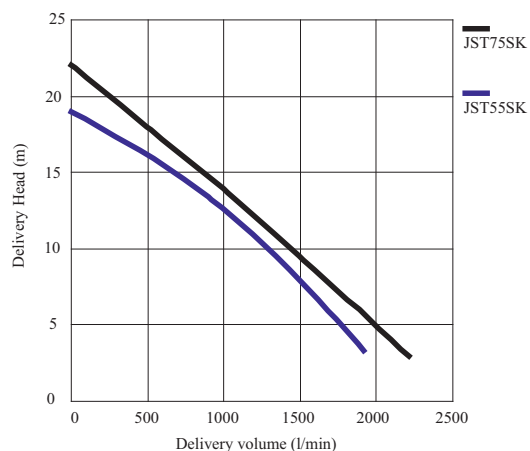
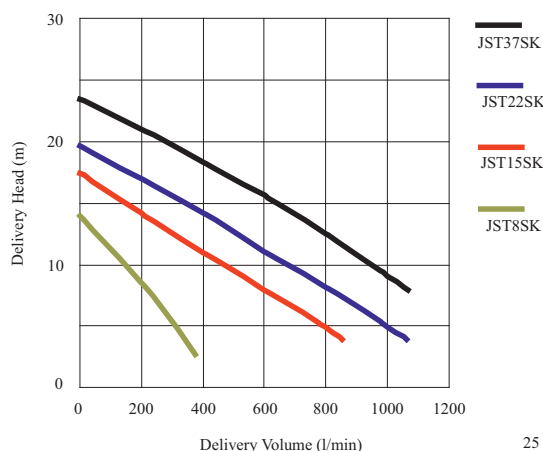


MODEL	Kg	H x W x L mm	LM/HM	kW	CODE	PRICE
JST-8 SK 2"	27.8	465 x 195 x 315	400/14	0.75	012-780	
JST-15 SK 3"	37.6	515 x 240 x 375	800/17	1.5	012-782	
JST-22 SK 3"	49.8	565 x 240 x 405	1000/20	2.2	012-784	
JST-37 SK 4"	55	610 x 250 x 405	1100/24	3.7	012-786	
JST-55 SK 4"	76	730 x 420 x 740	1800/19	5.5	012-790	
JST-75 SK 4"	86	750 x 420 x 740	2200/22	7.5	012-796	

JST-SK series are submersible sewage cutter impeller pumps. Available as standard as free standing or can be guide rail mounted. See below for guide rails.

Single channel tungsten carbide tipped impeller capable of cutting soft solids into smaller parts to pump through the body to waste. Cast iron pump body, volute stand, impeller, lower motor bearing/seal housing and motor top cover. Stainless steel shaft and motor casing. Twin mechanical seals, carbon ceramic and silicon carbide in a lubricated chamber. Complete with 10 metres of power cable.

Hose tails are supplied with all models apart from the JST-37, 55 and 75 SK.



All models can be made to operate automatically, see pages 48 & 51 for control panels and pages 52 & 53 for float switches.

GUIDE RAIL SETS DIMENSIONS ON PAGE 20



MODEL	OUTLET	CODE	PRICE
JS-2" SR-50S	2"	020-501S	
JS-3" SR-80	3"	020-504	
JS-4" SR-100	4"	020-506	

FOR CONTROL PANELS AND FLOAT SWITCHES PLEASE SEE PAGES 48 - 53



JST-15 SK



JST-55 SK



SR-50



SR-80/100

SEWAGE & WASTE

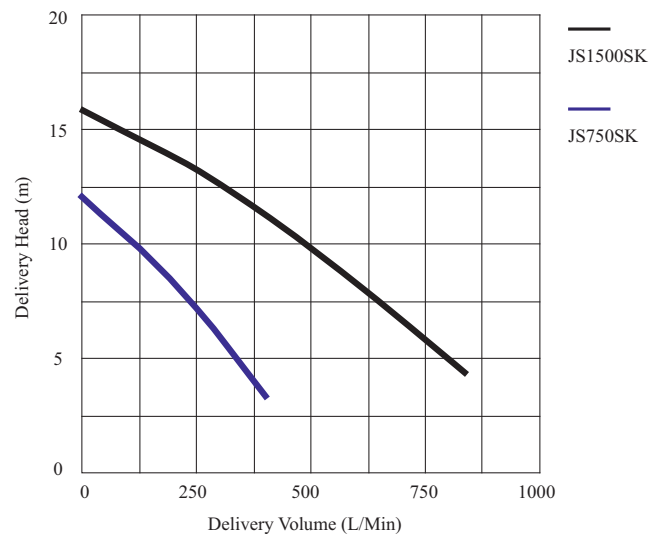
JS SEWAGE PUMPS – SINGLE PHASE SK VERSIONS – SINGLE CHANNEL CUTTER IMPELLER



MODEL	Kg	H x W x L mm	LM/HM	kW	CODE	PRICE
JS-750 SK MAN 230v 2"	29.4	530 x 190 x 310	400/14	0.75	012-757	
JS-750 SK AUTO 230v 2"	29.4	530 x 190 x 310	400/14	0.75	012-757A	
JS-750 SK MAN 110v 2"	29.4	530 x 190 x 310	400/14	0.75	012-758	
JS-750 SK AUTO 110v 2"	29.4	530 x 190 x 310	400/14	0.75	012-758A	
JS-1500 SK MAN 230v 3"	36.4	580 x 240 x 360	800/16	1.5	011-776	
JS-1500 SK AUTO 230v 3"	36.4	580 x 240 x 360	800/16	1.5	011-776A	

**AUTOMATIC PUMPS ARE FITTED WITH MAC3 FLOATS
ALLOW APPROX 300MM AWAY FROM PUMP FOR FLOAT SWITCH TO OPERATE**

JS-SK series are submersible sewage cutter impeller pumps. Available as standard as free standing or can be guide rail mounted. See below for guide rails.
Single channel tungsten carbide tipped impeller capable of cutting soft solids into smaller parts to pump through the body to waste. Cast iron pump body, volute stand, impeller, lower motor bearing/seal housing and motor top cover. Stainless steel shaft and motor casing. Twin mechanical seals, carbon ceramic and silicon carbide in a lubricated chamber. Complete with 10 metres of power cable. Hose tails are supplied with all models.



GUIDE RAIL SETS DIMENSIONS ON PAGE 20



MODEL	OUTLET	CODE	PRICE
JS-2" SR-50S	2"	020-501S	
JS-3" SR-80	3"	020-504	

FOR CONTROL PANELS AND FLOAT SWITCHES PLEASE SEE PAGES 48 - 53



JS-750 SK MAN



JS-750 SK AUTO



SR-50

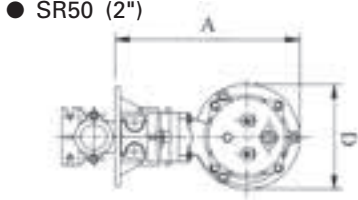


SR-80

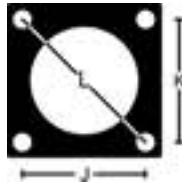
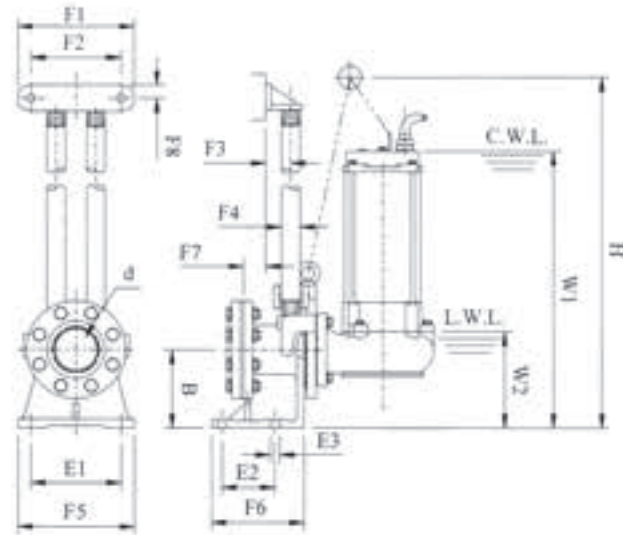
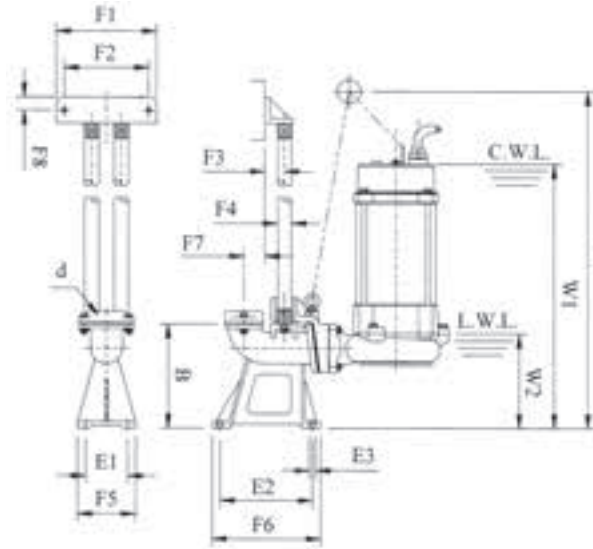
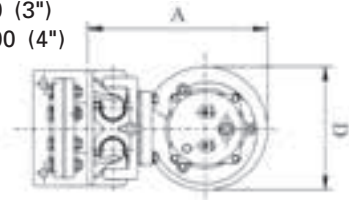
SEWAGE & WASTE

GUIDE RAIL DIMENSIONS

● SR50 (2")



● JS FLANGE

● SR80 (3")
SR100 (4")

Pump Type		Discharge Bore	Foundation			Guide Rail Fitting Section														
			d	E1	E2	E3	A	B	D	H	F1	F2	F3	F4	F5	F6	F7	F8	J	K
JS250	SV	2" (50)	80	175	10	330	200	135	495	190	150	38	25A	110	205	36	25	-	-	-
JS400	SV	2" (50)	80	175	10	330	200	135	515	190	150	38	25A	110	205	36	25	-	-	-
JS650	SV	2" (50)	80	175	10	343	200	135	550	190	150	38	25A	110	205	36	25	-	-	-
JS750	SV	3" (80)	170	100	18	405	260	170	645	225	170	49	32A	225	180	43	20	110	110	155
JS1500	SV	3" (80)	170	100	18	315	150	195	715	225	170	49	32A	220	175	43	20	110	110	155
JST4	SV	2" (50)	80	175	10	330	200	135	495	190	150	38	25A	110	205	36	25	-	-	-
JST8	SV	3" (80)	170	100	18	405	260	170	585	225	170	49	32A	225	180	43	20	110	110	155
JST15	SV	3" (80)	170	100	18	315	150	195	630	225	170	49	32A	220	175	43	20	110	110	155
JST22	SV	3" (80)	170	100	18	355	150	255	685	240	170	49	32A	220	175	43	20	110	110	155
JST37	SV	3" (80)	170	100	18	355	150	255	760	240	170	49	32A	220	175	43	20	110	110	155
JST22	SV4	3" (80)	170	100	18	395	150	255	725	225	170	49	32A	220	175	43	20	110	110	155
JST37	SV4	3" (80)	170	100	18	395	150	255	740	225	170	49	32A	220	175	43	20	110	110	155
JST55	SV4	4" (100)	200	150	19	510	180	315	865	240	200	60	32A	250	225	43	18	120	120	170
JST75	SV4	4" (100)	200	150	19	510	180	315	925	240	200	60	32A	250	225	43	18	120	120	170

JS750	SK	2" (50)	80	175	10	340	200	195	660	190	150	38	25A	110	205	36	25	70	70	100
JS1500	SK	3" (80)	170	100	18	320	150	240	665	225	170	49	32A	220	175	43	20	110	110	155
JST8	SK	2" (50)	80	175	10	340	200	195	600	195	150	38	25A	110	205	36	25	110	110	155
JST15	SK	3" (80)	170	100	18	320	150	240	615	225	170	49	32A	220	175	43	20	110	110	155
JST22	SK	3" (80)	170	100	18	345	150	250	680	225	170	49	32A	220	175	43	20	110	110	155
JST37	SK	4" (100)	200	150	19	570	180	250	775	240	200	60	40A	250	225	73	18	110	110	155
JST55	SK	4" (100)	200	150	19	525	180	260	825	240	200	60	40A	250	225	73	18	120	120	170
JST75	SK	4" (100)	200	150	19	595	180	260	935	240	200	60	40A	250	225	73	18	120	120	170

GS1200		2" (50)	90	178	10	300	200	170	660	150	120	38	25A	115	210	36	15	70	70	100
GS1500		2" (50)	90	178	10	341	200	180	675	150	120	38	25A	115	210	36	15	70	70	100
GST12		2" (50)	90	178	10	336	200	170	615	150	120	38	25A	115	210	36	15	70	70	100
GST15		2" (50)	90	178	10	341	200	180	620	150	120	38	25A	115	210	36	15	70	70	100
GST22		2" (50)	90	178	10	366	200	206	680	150	120	38	25A	115	210	36	15	70	70	100
GST37		2" (50)	90	178	10	366	200	206	740	150	120	38	25A	115	210	36	15	70	70	100

SEWAGE & WASTE

HEAVY DUTY SEWAGE GRINDER PUMPS TUNGSTEN CARBIDE CUTTERS



MODEL	Kg	H x W x L mm	LM/HM	kW	CODE	PRICE
-------	----	--------------	-------	----	------	-------

SINGLE PHASE

GS-1200 1 1/4" MAN 230v	32.6	510 x 170 x 310	120/20	1.2	020-702	
GS-1200 1 1/4" AUTO 230v	32.6	510 x 170 x 310	120/20	1.2	020-702A	
GS-1200 1 1/4" MAN 110v	32.6	510 x 170 x 310	120/20	1.2	020-704	
GS-1200 1 1/4" AUTO 110v	32.6	510 x 170 x 310	120/20	1.2	020-704A	

GS-1500 1 1/4" MAN 230v	36.2	565 x 180 x 315	150/25	1.5	020-707	
GS-1500 1 1/4" AUTO 230v	36.2	565 x 180 x 315	150/25	1.5	020-707A	

THREE PHASE

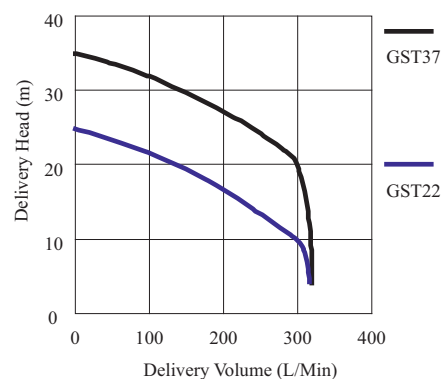
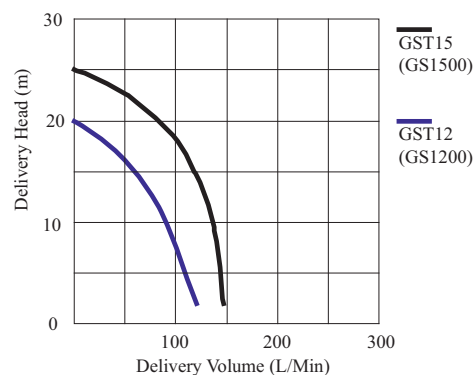
GST-12 1 1/4" 415v	30	460 x 170 x 310	120/20	1.2	020-712	
GST-15 1 1/4" 415v	33.8	490 x 180 x 315	150/25	1.5	020-715	
GST-22 2" 415v	48.8	550 x 235 x 370	320/26	2.2	020-720	
GST-37 2" 415v	53	560 x 235 x 370	320/36	3.7	020-737	

GS grinder pumps have tungsten carbide cutters and grinding rings which allow up to 28,000 cuts per minute. Used for domestic and industrial applications where either high heads or long distances prohibit the use of standard submersibles or large bore discharge pipe is not available or uneconomical to install. Hosetails are supplied with all models.

Free standing or can be guide rail mounted. See bottom of page for guide rails.

When used in sewage package stations and full control is required see page 51.

For basic control panels see page 48. For float switches see pages 52 and 53.



Cutter & Cutting Ring

GS-1200 Auto



SR-50

GUIDE RAIL SETS SUITS ALL MODELS



MODEL	OUTLET	CODE	PRICE
JS-2" SR-50S	2"	020-501S	

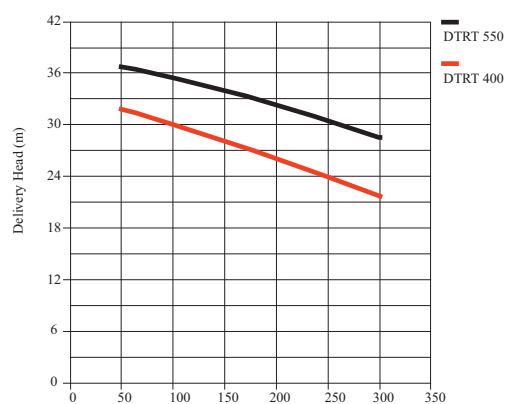
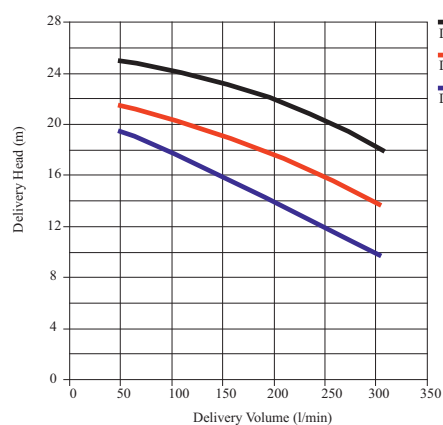
SEWAGE & WASTE

PENTAX DTR/DTRT HIGH HEAD GRINDER SUBMERSIBLES

E

MODEL	KG	H x W x L	LM/HM	kW	CODE	PRICE
DTR 150 230v	35	513 x 282 x 282	300/19	1.1	020-650	
DTR 200 230v	36	513 x 282 x 282	300/22	1.5	020-652	
DTRT 150 415v	35	513 x 282 x 282	300/19	1.1	020-654	
DTRT 200 415v	36	513 x 282 x 282	300/22	1.5	020-656	
DTRT 300 415v	37	513 x 282 x 282	300/26	2.2	020-658	
DTRT 400 415v	59	595 x 350 x 350	350/33	3.0	020-660	
DTRT 550 415v	61	595 x 350 x 350	350/38	4.0	020-662	
DTRT 750 415v	69	680 x 350 x 350	360/47	5.5	020-664	
DTRT 1000 415v	71	680 x 350 x 350	360/54	7.5	020-666	
2" BSP Counter Flange 1.7					020-670	

- DTR/T high head submersible grinder pumps
- Cast iron pump casing and impeller
- Stainless steel shaft
- Twin mechanical seals – carbon and silicon
- Supplied with 10 metres of power cable



PENTAX DTR 150



PENTAX DTRT 400

Maximum liquid temperature of 40°C. Two pole motor in oil bath. Single phase models have external capacitor, supplied loose.

If you require a control panel see pages 48 & 51.

DTR150 - 35uF and DTR200 - 50uF.

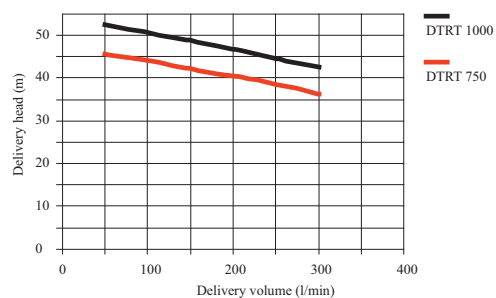
Twenty metres maximum immersion depth.

DTRT150, 200 and 300 – 2" female outlet, 8mm solids handling.

DTRT400-1000 UNI PN10 DN50 Flange. 10mm solids handling.

Counter flange 2" BSP can be supplied upon request.

User is responsible for motor protection.



GUIDE RAIL SETS FOR 400-1000 RANGE

A

MODEL	OUTLET	CODE	PRICE
JS-3" SR-80	3"	020-504	



SR-80

WASTE & DRAINAGE

PENTAX DC/T HIGH HEAD SUBMERSIBLES

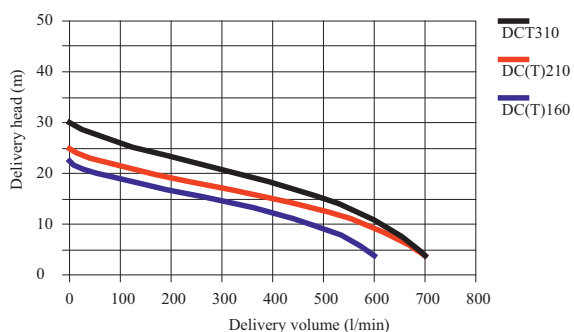
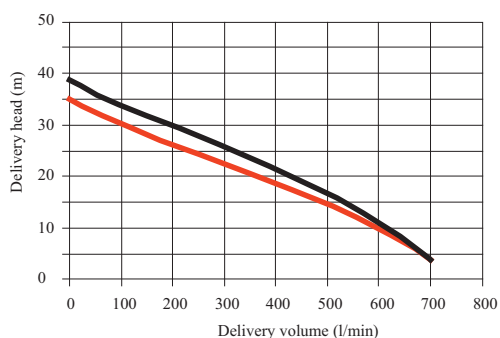
E

MODEL	KG	H x W x L	LM/HM	kW	CODE	PRICE
DC 160 230v	34	507 x 282 x 282	600/22	1.1	020-630	
DC 210 230v	35	507 x 282 x 282	650/25	1.5	020-632	
DCT 160 415v	34	507 x 282 x 282	600/22	1.1	020-634	
DCT 210 415v	35	507 x 282 x 282	650/25	1.5	020-636	
DCT 310 415v	36	507 x 282 x 282	700/29	2.2	020-638	
DCT 410 415v	56	601 x 350 x 350	700/34	3.0	020-640	
DCT 560 415v	64	601 x 350 x 350	750/38	4.0	020-642	
DCT 750 415v	92	680 x 350 x 350	900/47	5.5	020-644	
DCT 1000 415v	96	680 x 350 x 350	900/55	7.5	020-646	
2" BSP Counter Flange 1.7					020-670	

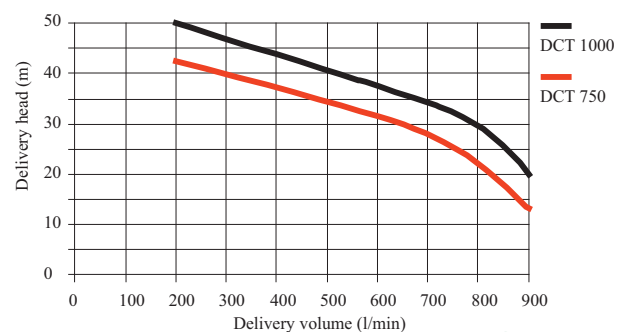
- DC/T high head submersible pumps
- Cast iron pump casing and impeller
- Stainless steel shaft
- Twin mechanical seals – carbon and silicon
- Supplied with 10 metres of power cable

Maximum liquid temperature of 40°C. Two pole motor in oil bath. Single phase models have external capacitor, supplied loose. If you require a control panel see pages 48 and 51.

DC160 - 35uF and DC210 - 50uF. Twenty metres maximum immersion depth. DC/T160, 210 and 310 - 2" female outlet, 8mm solids handling. DCT410-1000 UNI PN10 DN50 flange. 10mm solids handling. Counter flange 2" BSP can be supplied upon request. User is responsible for motor protection.



PENTAX DCT 410



PENTAX DC 160

GUIDE RAIL SETS FOR 410-1000 RANGE

A

MODEL	OUTLET	CODE	PRICE
JS-3" SR-80	3"	020-504	

SR-80



SEWAGE & WASTE

JS DRAINER ALL 316 STAINLESS STEEL PUMPS

THESE PUMPS ARE PRECISION CAST 316 STAINLESS STEEL DRAINER PUMPS



MODEL	Kg	H x W x L mm	LM/HM	kW	CODE	PRICE
JS-250SS MAN 230v 1½"	12.5	370 x 150 x 220	200/10	0.25	011-300	
JS-250SS MAN 110v 1½"	12.5	370 x 150 x 220	200/10	0.25	011-304	
JS-400SS MAN 230v 2"	15	420 x 150 x 220	240/12	0.4	011-308	
JS-400SS MAN 110v 2"	15	420 x 150 x 220	240/12	0.4	011-312	
JS-400SS MAN 230v 2" 60Hz	15	420 x 150 x 220	240/12	0.4	011-316	
JS-750SS MAN 230v 2"	27	480 x 195 x 255	400/15	0.75	011-320	
JS-750SS MAN 110v 2"	27	480 x 195 x 255	400/15	0.75	011-324	
JS-1500SS MAN 230v 3"	32	510 x 195 x 255	500/17	1.5	011-328	



JS-250SS

JST-8SS 415v 2"	24	420 x 190 x 260	380/15	0.75	011-332	
JST-15SS 415v 3"	28	440 x 190 x 260	500/18	1.5	011-336	
JST-22SS 415v 3"	39	510 x 220 x 315	850/20	2.2	011-340	
JST-37SS 415v 4"	44	525 x 220 x 320	1300/24	3.7	011-344	
JST-55SS 415v 4"	66	640 x 280 x 500	1800/22	5.5	011-348	
JST-75SS 415v 6"	76	720 x 280 x 500	2000/31	7.5	011-352	



JS-SK ALL 316 STAINLESS STEEL PUMPS

SINGLE CHANNEL CUTTER IMPELLER



MODEL	Kg	H x W x L mm	LM/HM	kW	CODE	PRICE
JS-750SKSS 230v MAN 2"	29	530 x 190 x 310	400/14	0.75	011-356	
JS-1500SKSS 230v MAN 3"	36	580 x 240 x 360	800/16	1.5	011-360	
JST-8SKSS 415v 2"	28	465 x 195 x 315	400/14	0.75	011-364	
JST-15SKSS 415v 3"	38	515 x 240 x 375	800/17	1.5	011-370	
JST-22SKSS 415v 3"	50	565 x 240 x 404	1000/20	2.2	011-374	
JST-37SKSS 415v 4"	55	610 x 250 x 405	1100/24	3.7	011-378	



SK

JS-SK ALL 316 STAINLESS STEEL PUMPS

SINGLE CHANNEL CUTTER IMPELLER



MODEL	Kg	H x W x L mm	LM/HM	kW	CODE	PRICE
ST-55SKSS 415v 4"	76	730 x 420 x 740	1800/19	5.5	011-382	
JT-75SKSS 415v 4"	86	750 x 420 x 740	2200/22	7.5	011-386	



JS 750-SK SS

GUIDE RAIL SETS

THESE GUIDERAIL SETS ARE 316 STAINLESS STEEL SAND CASTING



MODEL	OUTLET	CODE	PRICE
SR50SS	2"	011-390	
SR80SS	3"	011-394	
SR100SS	4"	011-398	



JST37 SS

All models can be made to operate automatically, see pages 48 and 51 for control panels and pages 52 and 53 for float switches. Please see flow curves on standard models.

SEWAGE & WASTE

HEAVY DUTY SEWAGE PUMPS

MODEL P – 52mm SOLIDS 2" OUTLET/MODEL PP – 58mm SOLIDS 2½" OUTLET

E

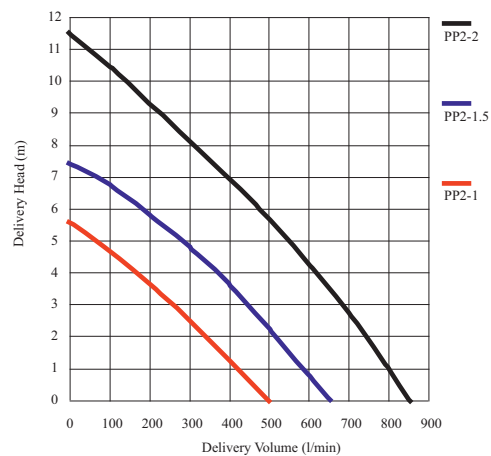
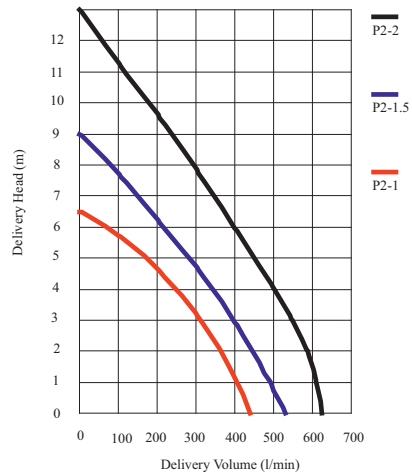
MODEL	Kg	H x W x L mm	LM/HM	kW	CODE	PRICE
MINIVORT P2-1M 230v	30.4	440 x 195 x 235	420/6	0.75	020-410	
MINIVORT P2-1.5M 230v	30.4	440 x 195 x 235	500/9	1.1	020-420	
MINIVORT P2-2M 230v	32	440 x 195 x 235	600/13	1.5	020-430	
MINIVORT P2-1T 415v	30.4	440 x 195 x 235	420/6	0.75	020-414	
MINIVORT P2-1.5T 415v	30.4	440 x 195 x 235	500/9	1.1	020-424	
MINIVORT P2-2T 415v	32	440 x 195 x 235	600/13	1.5	020-434	
MINIVORT PP2-1M 230v	37.2	475 x 210 x 325	500/6	0.75	020-510	
MINIVORT PP2-1.5M 230v	37.2	475 x 210 x 325	650/7	1.1	020-520	
MINIVORT PP2-2M 230v	40	475 x 210 x 325	800/11	1.5	020-530	
MINIVORT PP2-1T 415v	37.2	475 x 210 x 325	500/6	0.75	020-514	
MINIVORT PP2-1.5T 415v	37.2	475 x 210 x 325	650/7	1.1	020-524	
MINIVORT PP2-2T 415v	40	475 x 210 x 325	800/11	1.5	020-534	

Minivort pumps are built entirely of cast iron making them ideal for those heavy duty sewage applications. Nbr lip sealed followed by single carbon mechanical seal in a lubricated chamber. Supplied with 10 metres of power cable. Single phase versions come complete with external capacitor box. Examples of use – pumping and drainage of dirty water, sewage with suspended soft solids, cesspools and sewage package stations with one or more pumps.

The P range is a freestanding model.

The PP range is also a freestanding model, but can be adapted to suit the SR-80 guide rail set.

The Minivort PP can also be adapted to suit most other manufacturers guide rail sets.



MINIVORT P RANGE



MINIVORT PP RANGE

All models can be made to operate automatically, see pages 48 and 51 for control panels and pages 52 and 53 for float switches.

GUIDE RAIL SET TO SUIT MINIVORT PP RANGE

A

MODEL	OUTLET	CODE	PRICE
MINIVORT JS-3" SR-80	3"	020-505	

FOR CONTROL PANELS AND FLOAT SWITCHES PLEASE SEE PAGES 48 - 53



SR-80 FOR PP MODEL

INDUSTRIAL PUMPS

KZN-H/L INDUSTRIAL HEAVY DUTY PUMPS HIGH HEAD/HIGH FLOW VERSIONS 415v 3 PHASE

A

MODEL	Kg	H x W x L mm	LM/HM	kW	CODE	PRICE
JST-55 KZN-H	110	820 x 410 x 420	1700/24	5.5	011-088	
JST-75 KZN-H	130	840 x 410 x 420	2300/25	7.5	011-096	
JST-110 KZN-H	240	1100 x 560 x 570	3500/26	11	011-098	
JST-150 KZN-L	265	1100 x 560 x 570	5850/22	15	011-118	
JST-220 KZN-L	410	1493 x 560 x 578	6400/24	22	011-120	

JST-KB 415v 3 PHASE

A

MODEL	Kg	H x W x L mm	LM/HM	kW	CODE	PRICE
JST-55 KB	107	750 x 345 x 350	1800/25	5.5	011-122	
JST-55 KBH	107	720 x 345 x 350	1300/31	5.5	011-124	
JST-75 KB	137	825 x 345 x 370	1950/32	7.5	011-126	
JST-75 KBH	137	795 x 345 x 370	1550/42	7.5	011-128	
JST-110 KB	146	855 x 345 x 370	1590/41	11	011-130	
JST-110 KBH	146	825 x 345 x 370	1360/50	11	011-132	

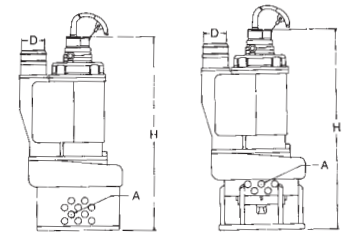
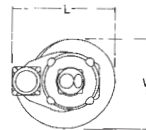


KZN-H/L

APPLICATIONS

KZN-H/L/KB - SLUDGE/SLURRY PUMPS

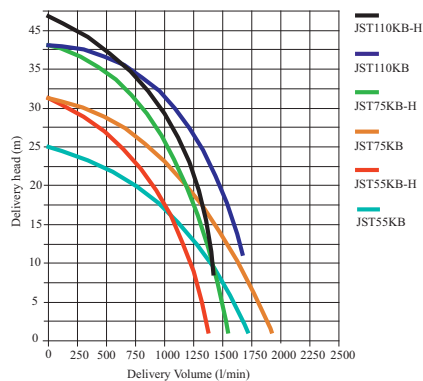
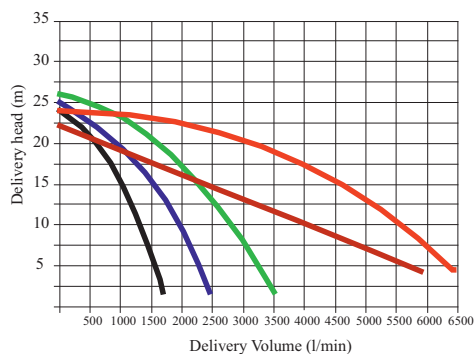
For muddy liquid generated from civil engineering projects and architectural works. Also suitable for agricultural waste projects.



KB

KZN-H/L

TYPE	A mm	D inch	L mm	W mm	H mm	(kg)
JST-55 KZN-H	25	3"	420	410	820	120
JST-75 KZN-H	25	4"	420	410	840	130
JST-110 KZN-H	35	4"	565	585	1100	240
JST-150 KZN-L	35	6"	565	585	1100	265
JST-220 KZN-L	35	8"	578	543	1325	410
JST-55 KB	10	4"	350	345	750	107
JST-55 KBH	10	3"	350	345	720	107
JST-75 KB	10	6"	370	345	825	137
JST-75 KBH	10	4"	370	345	795	137
JST-110 KB	10	6"	370	345	855	146
JST-110 KBH	10	4"	370	345	825	146



KB

INDUSTRIAL PUMPS

KZN INDUSTRIAL HEAVY DUTY PUMPS

415v 3 PHASE

A

MODEL	Kg	H x W x L mm	LM/HM	kW	CODE	PRICE
JST-37 KZN	110	820 x 410 x 420	1500/14	3.7	011-091	
JST-55 KZN	120	820 x 410 x 420	2000/17	5.5	011-093	
JST-75 KZN	130	840 x 410 x 420	2400/19	7.5	011-095	
JST-110 KZN	240	1100 x 560 x 570	4000/22	11	011-097	
JST-150 KZN	265	1100 x 560 x 570	3100/34	15	011-114	
JST-220 KZN	410	1493 x 560 x 578	5200/30	22	011-116	

SAND/SLUDGE/SLURRY PUMPS

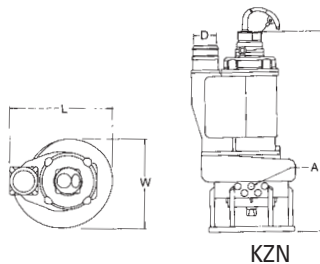
FEATURES

- Heavy Duty Construction
- Top Discharge
- Water Jacket with Axial Flow Cooling
- Double Silicon Mechanical Seal
- Built in agitator. Specially designed to create an inherent mixing action at the pump inlet causing the solids to move into suspension and to help keep the impeller and flow chamber clear and unclogged
- Heavy duty wear resistant impeller and agitator
- Supplied with H07RNF cable as standard
- Armoured cable to suit most duties available upon request
- Direct on-line starting
- Newer models now have male BSP threaded outlets

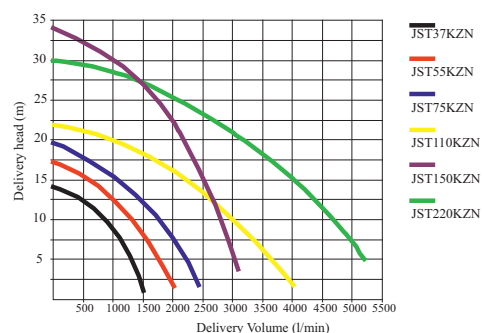
APPLICATIONS

KZN - SLUDGE/SLURRY PUMPS

For muddy liquid generated from civil engineering projects and architectural works.
Also suitable for agricultural waste projects.



TYPE	A mm	D inch	L mm	W mm	H mm	(kg)
JST-37 KZN	22	3"	420	410	820	110
JST-55 KZN	25	4"	420	410	820	120
JST-75 KZN	35	4"	420	410	840	130
JST-110 KZN	35	6"	570	560	1100	240
JST-150 KZN	35	6"	570	560	1100	265
JST-220 KZN	35	6"	578	560	1493	410



KZN

SEWAGE & WASTE

DRENO PUMPS – ACCESSORIES

E

MODEL	Guide Rail Coupling Foot & Claw E32	
	Guide Rail Top Bracket	
Compatta 22 EX Free Standing	✓	✓
Compatta 32 EX Free Standing	✓	✓
Compatta 4 EX Free Standing	✓	✓
Compatta 5 EX Free Standing	✓	✓
Compatta 6T EX Free Standing	✓	✓
CODE	200-0432	100-11730
PRICE		



DRENO COMPATTA



Guide Rail Coupling and Claw



Guide Rail Top Bracket

SEWAGE & WASTE

COMPATTA DRENO PUMPS

E

MODEL	OUTLET	Kg	H x W x L mm	LM / HM	kW P2	CODE	PRICE
Compatta 22M 230v/50Hz	2"	15	399 x 175 x 225	420 / 8	0.6	200-0020	
Compatta 22M 230v/50Hz EX	2"	15	399 x 175 x 225	420 / 8	0.6	200-0020EX	
Compatta 22T 400v/50Hz	2"	15	399 x 175 x 225	420 / 8	0.6	200-0022	
Compatta 22T 400v/50Hz EX	2"	15	399 x 175 x 225	420 / 8	0.6	200-0022EX	
Compatta 32M 230v/50Hz	2"	17	399 x 175 x 225	510 / 11	0.8	200-0026	
Compatta 32M 230v/50Hz EX	2"	17	399 x 175 x 225	510 / 11	0.8	200-0026EX	
Compatta 32T 400v/50Hz	2"	17	399 x 175 x 225	510 / 11	0.8	200-0028	
Compatta 32T 400v/50Hz EX	2"	17	399 x 175 x 225	510 / 11	0.8	200-0028EX	
Compatta 4M 230v/50Hz	2"	19	444 x 176 x 226	600 / 11	1.5	200-0032	
Compatta 4M 230v/50Hz EX	2"	19	444 x 176 x 226	600 / 11	1.5	200-0032EX	
Compatta 4T 400v/50Hz	2"	19	444 x 176 x 226	600 / 11	1.5	200-0034	
Compatta 4T 400v/50Hz EX	2"	19	444 x 176 x 226	600 / 11	1.5	200-0034EX	
Compatta 5M 230v/50Hz	2"	24	409 x 186 x 240	600 / 15	1.5	200-0038	
Compatta 5M 230v/50Hz EX	2"	24	409 x 186 x 240	600 / 15	1.5	200-0038EX	
Compatta 6T 400v/50Hz	2"	25	409 x 186 x 240	690 / 18	2.2	200-0040	
Compatta 6T 400v/50Hz EX	2"	25	409 x 186 x 240	690 / 18	2.2	200-0040EX	

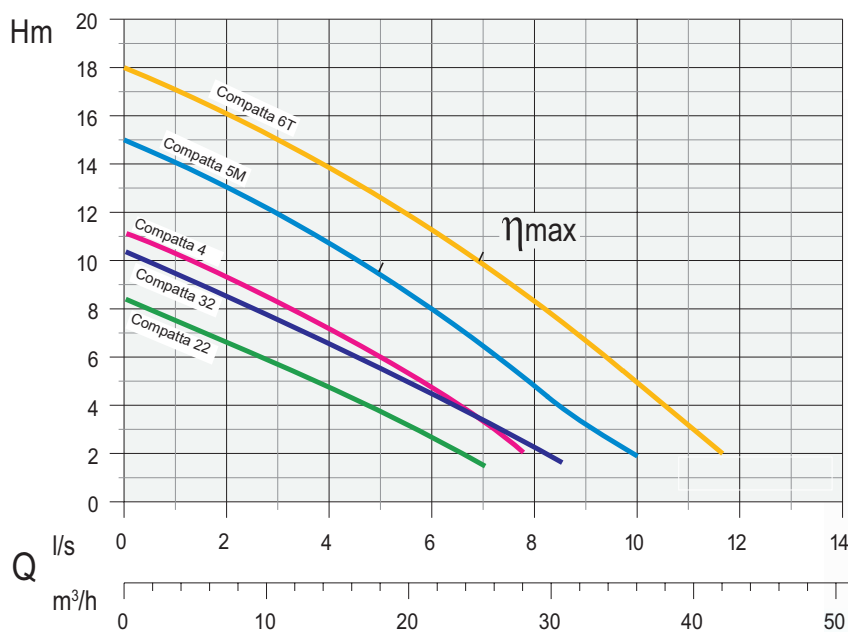
EX = Explosion Proof

Dreno Pompe is an established brand in the field of domestic, sewage and industrial pumping. Thirty years of experience and a desire for the highest possible quality together account for the success of the products. Significant investment over the last few years has brought the Dreno brand to be synonymous with reliability and quality.

The Dreno models here are just some of the ranges available in Explosion proof. More models and non-explosion proof pumps continue on the following pages.



II 2G Ex d c IIb T4 X



DRENO P



DRENO COMPATTA

SEWAGE & WASTE

DRENO PUMPS – ACCESSORIES

E

MODEL	Coupling Foot & Claw B5	Guide Rail Top Bracket	Free Standing Base P4	Free Standing Base P5	Free Standing Base P7	Threaded Coupling Flange F2 DN80	Flanged Hose Connection N2 DN80
AT80-C.246 400v EX Guide Rail Standing	✓	✓	✓	✗	✗	✓	✓
AT80-C.247 400v EX Guide Rail Standing	✓	✓	✓	✗	✗	✓	✓
AT80-C.257 400v EX Guide Rail Standing	✓	✓	✗	✓	✗	✓	✓
AT80-C.267 400v EX Guide Rail Standing	✓	✓	✗	✗	✓	✓	✓
AT80-C.268 400v EX Guide Rail Standing	✓	✓	✗	✗	✓	✓	✓
CODE	100-11510	100-11711	100-11625	100-11626	100-11628	100-11576	100-11563
PRICE							



B4-B7 Coupling Foot & Claw



B4-B7 Top Bracket

P Base



Counter Flange DN80/100/150



Flanged Hose Connection DN80/100/150

SEWAGE & WASTE

DRENO-AT SINGLE CHANNEL IMPELLER

2 POLE

A

MODEL	OUTLET	SOLIDS	Kg	H x W x L mm	LM/HM	kW P2	CODE	PRICE
AT80-C.246 400v	3"	45mm	60	528 x 276 x 340	1500/20	3.0	200-0115	
AT80-C.246 400v EX	3"	45mm	60	528 x 276 x 340	1500/20	3.0	200-0115EX	
AT80-C.247 400v	3"	45mm	60	528 x 276 x 340	1800/26	4.0	200-0113	
AT80-C.247 400v EX	3"	45mm	60	528 x 276 x 340	1800/26	4.0	200-0113EX	
AT80-C.257 400v	3"	55mm	88	528 x 276 x 368	2700/38	7.5	200-0118	
AT80-C.257 400v EX	3"	55mm	88	528 x 276 x 368	2700/38	7.5	200-0118EX	

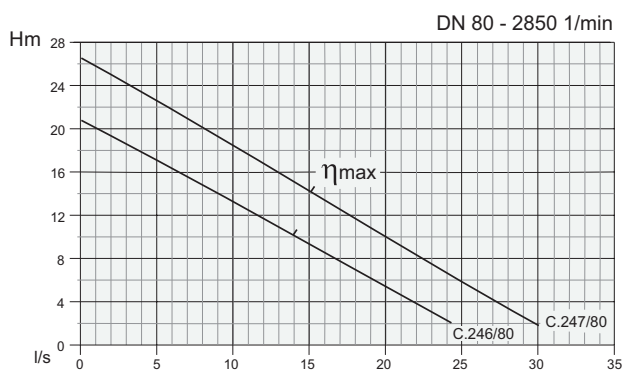
EX = Explosion Proof

DRENO-AT THREE CHANNEL IMPELLER

2 POLE

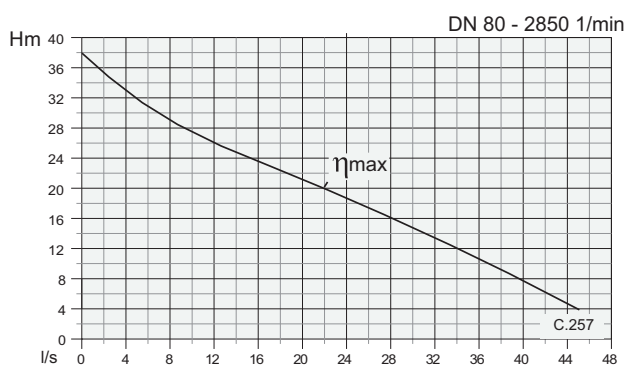
A

MODEL	OUTLET	SOLIDS	Kg	H x W x L	LM/HM	Kw P2	CODE	PRICE
AT80-C.267 400v	3"	33mm	190	629 x 366 x 488	3180/41	12	200-0124	
AT80-C.268 400v	3"	33mm	200	629 x 366 x 488	3780/49	15	200-0126	

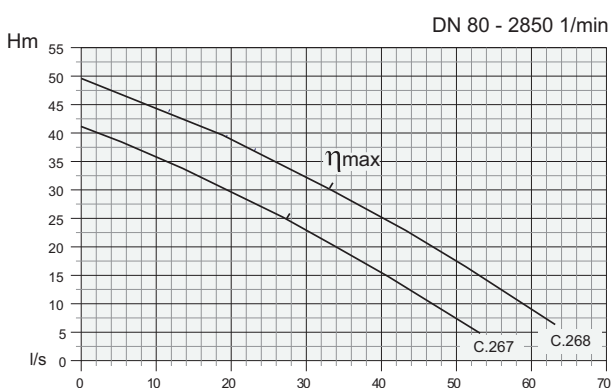


II 2G Ex d c IIb T4 X

AT80 267-268



AT80 246-247



SEWAGE & WASTE

DRENO PUMPS – ACCESSORIES

E

MODEL	Coupling Foot & Claw B5	Guide Rail Top Bracket	Free Standing Base P5	Threaded Coupling Flange F2 DN80	Flanged Hose Connection N2 DN80
AM80-C.242 230v EX Guide Rail Standing	✓	✓	✓	✓	✓
AT80-C.242 400v EX Guide Rail Standing	✓	✓	✓	✓	✓
AT80-C.244 400v EX Guide Rail Standing	✓	✓	✓	✓	✓
AT80-C.245 400v EX Guide Rail Standing	✓	✓	✓	✓	✓
CODE	100-11510	100-11711	100-11626	100-11576	100-11563
PRICE					



B4-B7 Coupling Foot & Claw



B4-B7 Top Bracket

P Base



Flanged Hose Connection DN80/100/150



Counter Flange DN80/100/150

SEWAGE & WASTE

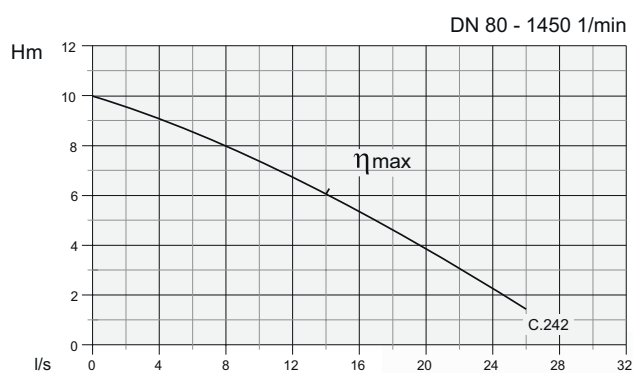
DRENO-AM/AT SINGLE CHANNEL IMPELLER

4 POLE

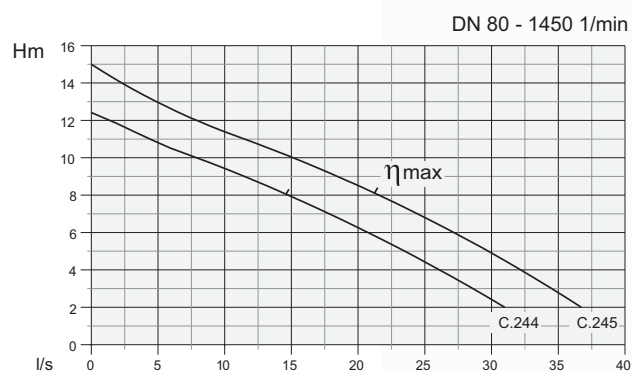
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MODEL	OUTLET	SOLIDS	Kg	H x W x L mm	LM/HM	kW P2	CODE	PRICE
AM80-C.242 230v	3"	75mm	56	521 x 309 x 400	1560/10	1.5	200-0138	
AM80-C.242 230v EX	3"	75mm	56	521 x 309 x 400	1560/10	1.5	200-0138EX	
AT80-C.242 400v	3"	75mm	56	521 x 309 x 400	1560/10	1.5	200-0136	
AT80-C.242 400v EX	3"	75mm	56	521 x 309 x 400	1560/10	1.5	200-0136EX	
AT80-C.244 400v	3"	75mm	69	559 x 323 x 408	1860/12	2.2	200-0150	
AT80-C.244 400v EX	3"	75mm	69	559 x 323 x 408	1860/12	2.2	200-0150EX	
AT80-C.245 400v	3"	75mm	70	559 x 323 x 408	2160/15	3.0	200-0152	
AT80-C.245 400v EX	3"	75mm	70	559 x 323 x 408	2160/15	3.0	200-0152EX	

EX = Explosion Proof



II 2G Ex d c I Ib T4 X



AM-AT 80

SEWAGE & WASTE

DRENO PUMPS – ACCESSORIES

E

MODEL	Coupling Foot & Claw B6	Guide Rail Top Bracket	Free Standing Base P6	Threaded Coupling Flange F2 DN100	Flanged Hose Connection N2 DN100
AT100-C.243 400v EX Guide Rail Standing	✓	✓	✓	✓	✓
AT100-C.244 400v EX Guide Rail Standing	✓	✓	✓	✓	✓
AT100-C.245 400v EX Guide Rail Standing	✓	✓	✓	✓	✓
AT100-C.255 400v EX Guide Rail Standing	✓	✓	✓	✓	✓
AT100-C.256 400v EX Guide Rail Standing	✓	✓	✓	✓	✓
CODE	100-11511	100-11711	100-11627	100-11577	100-11564
PRICE					



B4-B7 Coupling Foot & Claw



B4-B7 Top Bracket

P Base



Flanged Hose Connection DN80/100/150



Counter Flange DN80/100/150

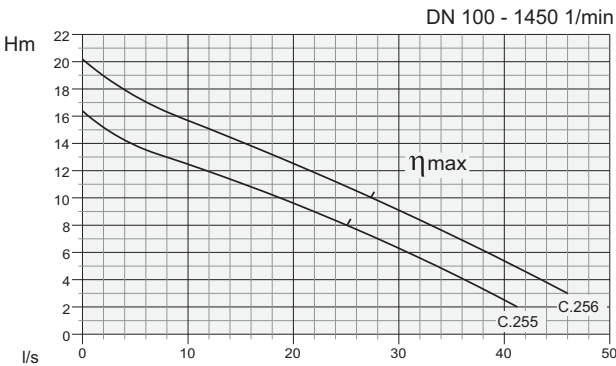
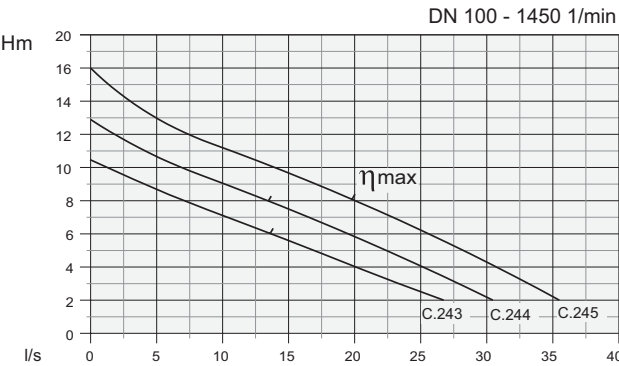
SEWAGE & WASTE

DRENO-AM/AT SINGLE CHANNEL IMPELLER 4 POLE



MODEL	OUTLET	SOLIDS	Kg	H x W x L mm	LM/HM	kW P2	CODE	PRICE
AT100-C.243 400v	4"	90mm	72	586 x 338 x 405	1560/10	1.7	200-0160	
AT100-C.243 400v EX	4"	90mm	72	586 x 338 x 405	1560/10	1.7	200-0160EX	
AT100-C.244 400v	4"	90mm	74	586 x 338 x 405	1800/13	2.2	200-0162	
AT100-C.244 400v EX	4"	90mm	74	586 x 338 x 405	1800/13	2.2	200-0162EX	
AT100-C.245 400v	4"	90mm	75	586 x 338 x 405	2100/16	3.0	200-0164	
AT100-C.245 400v EX	4"	90mm	75	586 x 338 x 405	2100/16	3.0	200-0164EX	
AT100-C.255 400v	4"	90mm	97	650 x 375 x 450	2460/16	4.2	200-0170	
AT100-C.255 400v EX	4"	90mm	97	650 x 375 x 450	2460/16	4.2	200-0170EX	
AT100-C.256 400v	4"	90mm	103	650 x 375 x 450	2760/20	5.5	200-0172	
AT100-C.256 400v EX	4"	90mm	103	650 x 375 x 450	2760/20	5.5	200-0172EX	

EX = Explosion Proof



II 2G Ex d c IIb T4 X

AT 100



SEWAGE & WASTE

DRENO PUMPS – ACCESSORIES

E

MODEL	Guide Rail Coupling Foot & Claw B5	Guide Rail Top Bracket	Free Standing Base P4	Free Standing Base P5	Free Standing Base P7	Threaded Coupling Flange F2 DN80	Flanged Hose Connection N2 DN80
VT80-C346 400v EX	✓	✓	✓	✗	✗	✓	✓
VT80-C347 400v EX	✓	✓	✓	✗	✗	✓	✓
VT80-C354 400v EX	✓	✓	✗	✓	✗	✓	✓
VT80-C357 400v EX	✓	✓	✗	✓	✗	✓	✓
VT80-C367 400v	✓	✓	✗	✗	✓	✓	✓
VT80-C368 400v	✓	✓	✗	✗	✓	✓	✓
VT80-C369 400v	✓	✓	✗	✗	✓	✓	✓
VT80-C370 400v	✓	✓	✗	✗	✓	✓	✓
CODE	100-11510	100-11711	100-11625	100-11626	100-11628	100-11576	100-11563
PRICE							



B4-B7 Coupling Foot & Claw



B4-B7 Top Bracket

P Base



Counter Flange DN80/100/150



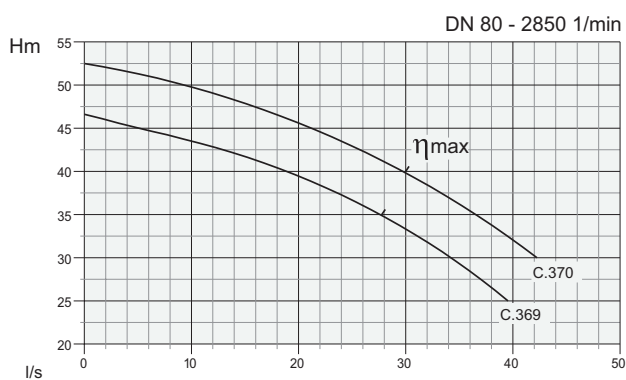
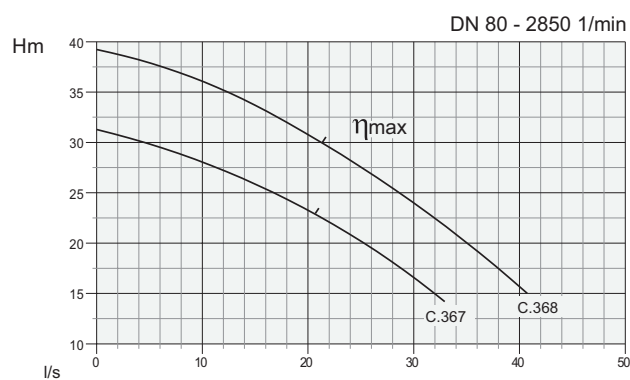
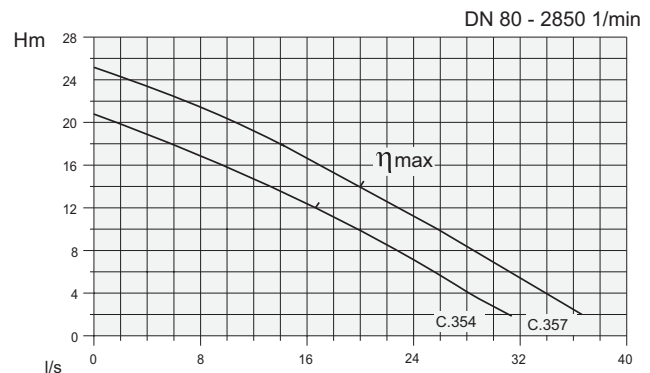
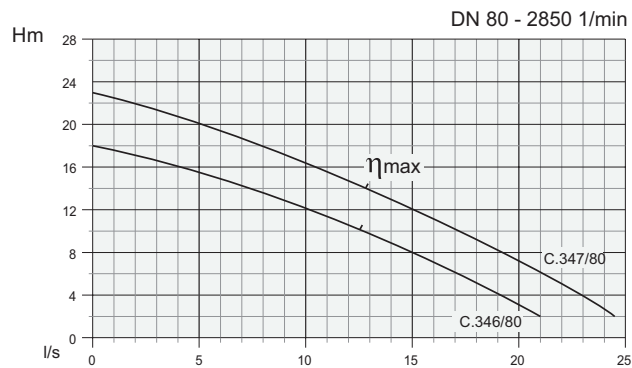
Flanged Hose Connection DN80/100/150

SEWAGE & WASTE

DRENO-VT VORTEX IMPELLER 2 POLE

A

MODEL	OUTLET	SOLIDS	Kg	H x W x L mm	LM/HM	kW P2	CODE	PRICE
VT80-C.346 400v	3"	65mm	60	532 x 276 x 340	1260/18	3.2	200-0119	
VT80-C.346 400v EX	3"	65mm	60	532 x 276 x 340	1260/18	3.2	200-0119EX	
VT80-C.347 400v	3"	65mm	60	532 x 276 x 340	1470/23	4.2	200-0117	
VT80-C.347 400v EX	3"	65mm	60	532 x 276 x 340	1470/23	4.2	200-0117EX	
VT80-C.354 400v	3"	70mm	86	608 x 276 x 368	1860/21	5.2	200-0120	
VT80-C.354 400v EX	3"	70mm	86	608 x 276 x 368	1860/21	5.2	200-0120EX	
VT80-C.357 400v	3"	70mm	87	608 x 276 x 368	2160/25	7.5	200-0122	
VT80-C.357 400v EX	3"	70mm	87	608 x 276 x 368	2160/25	7.5	200-0122EX	
EX = Explosion Proof								
VT80-C.367 400v	3"	70mm	190	825 x 366 x 488	1980/32	12	200-0128	
VT80-C.368 400v	3"	70mm	200	825 x 366 x 488	2460/39	15	200-0130	
VT80-C.369 400v	3"	70mm	242	870 x 366 x 745	2400/46	20	200-0129	
VT80-C.370 400v	3"	70mm	244	870 x 366 x 745	2520/53	24	200-0131	



II 2G Ex d c IIb T4 X

SEWAGE & WASTE

DRENO PUMPS – ACCESSORIES

E

MODEL	Coupling Foot & Claw B5	Guide Rail Top Bracket	Free Standing Base P5	Threaded Coupling Flange F2 DN80	Flanged Hose Connection N2 DN80
VM80-C.341 230v EX Free Standing	✓	✓	✗	✓	✓
VM80-C.342 230v EX Free Standing	✓	✓	✗	✓	✓
VT80-C.341 400v EX Free Standing	✓	✓	✗	✓	✓
VT80-C.342 400v EX Free Standing	✓	✓	✗	✓	✓
VT80-C.344 400v EX Guide Rail Standing	✓	✓	✓	✓	✓
VT80-C.345 400v EX Guide Rail Standing	✓	✓	✓	✓	✓
CODE	100-11510	100-11711	100-11626	100-11576	100-11563
PRICE					



B4-B7 Coupling Foot & Claw



B4-B7 Top Bracket

P Base



Flanged Hose Connection DN80/100/150



Counter Flange DN80/100/150

SEWAGE & WASTE

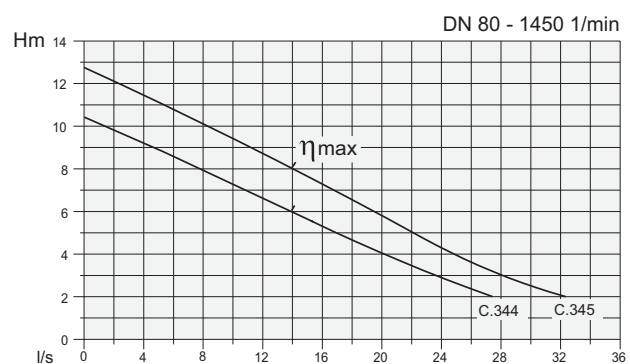
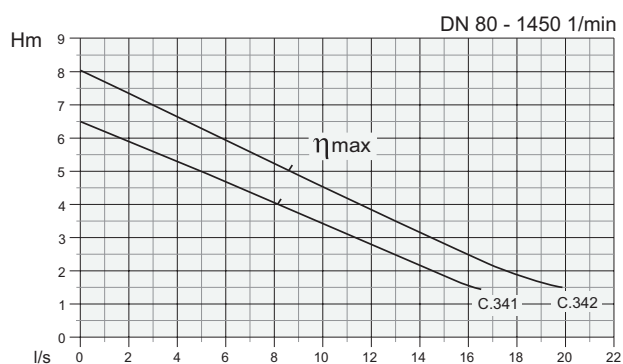
DRENO-VM/VT VORTEX IMPELLER

4 POLE

A

MODEL	OUTLET	SOLIDS	Kg	H x W x L mm	LM/HM	kW P2	CODE	PRICE
VM80-C.341 230v	3"	75mm	46	456 x 292 x 326	990/6.5	1.1	200-0142	
VM80-C.341 230v EX	3"	75mm	46	456 x 292 x 326	990/6.5	1.1	200-0142EX	
VM80-C.342 230v	3"	75mm	47	456 x 292 x 326	1200/8	1.25	200-0146	
VM80-C.342 230v EX	3"	75mm	47	456 x 292 x 326	1200/8	1.25	200-0146EX	
VT80-C.341 400v	3"	75mm	46	456 x 292 x 326	990/6.5	1.1	200-0140	
VT80-C.341 400v EX	3"	75mm	46	456 x 292 x 326	990/6.5	1.1	200-0140EX	
VT80-C.342 400v	3"	75mm	47	456 x 292 x 326	1200/8	1.3	200-0144	
VT80-C.342 400v EX	3"	75mm	47	456 x 292 x 326	1200/8	1.3	200-0144EX	
VT80-C.344 400v	3"	80mm	68	605 x 313 x 387	1620/10	2.2	200-0156	
VT80-C.344 400v EX	3"	80mm	68	605 x 313 x 387	1620/10	2.2	200-0156EX	
VT80-C.345 400v	3"	80mm	69	605 x 313 x 387	1920/12.5	3.0	200-0158	
VT80-C.345 400v EX	3"	80mm	69	605 x 313 x 387	1920/12.5	3.0	200-0158EX	

EX = Explosion Proof



VT80 344-345



II 2G Ex d c IIb T4 X

VM-VT80 341-342



SEWAGE & WASTE

DRENO PUMPS – ACCESSORIES

E

MODEL	Coupling Foot & Claw B6	Guide Rail Top Bracket	Free Standing Base P6	Threaded Coupling Flange F2 DN100	Flanged Hose Connection N2 DN100
VT100-C.348 400v EX Guide Rail Standing	✓	✓	✓	✓	✓
VT100-C.349 400v EX Guide Rail Standing	✓	✓	✓	✓	✓
VT100-C.350 400v EX Guide Rail Standing	✓	✓	✓	✓	✓
VT100-C.355 400v EX Guide Rail Standing	✓	✓	✓	✓	✓
VT100-C.356 400v EX Guide Rail Standing	✓	✓	✓	✓	✓
VT100-C.358 400v EX Guide Rail Standing	✓	✓	✓	✓	✓
CODE	100-11511	100-11711	100-11627	100-11577	100-11564
PRICE					



B4-B7 Coupling Foot & Claw



B4-B7 Top Bracket

P Base



Counter Flange DN80/100/150



Flanged Hose Connection DN80/100/150

SEWAGE & WASTE

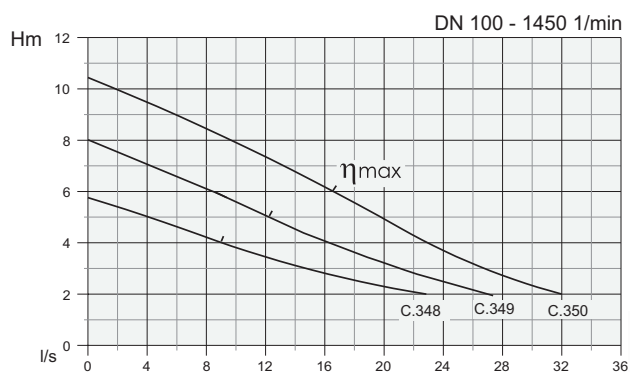
DRENO-VM/VT VORTEX IMPELLER

4 POLE

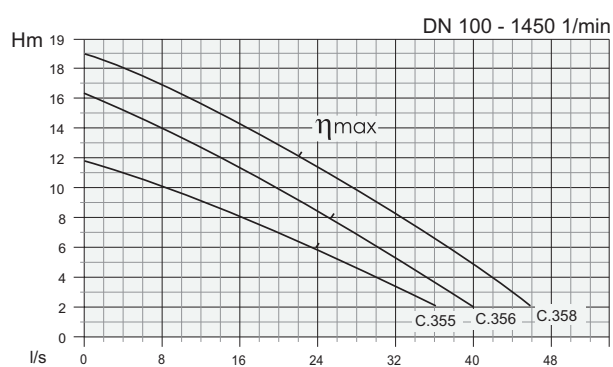
A

MODEL	OUTLET	SOLIDS	Kg	H x W x L mm	LM/HM	kW P2	CODE	PRICE
VT100-C.348 400v	4"	100mm	70	640 x 318 x 405	1380/5.5	1.7	200-0165	
VT100-C.348 400v EX	4"	100mm	70	640 x 318 x 405	1380/5.5	1.7	200-0165EX	
VT100-C.349 400v	4"	100mm	71	640 x 318 x 405	1620/8	2.2	200-0166	
VT100-C.349 400v EX	4"	100mm	71	640 x 318 x 405	1620/8	2.2	200-0166EX	
VT100-C.350 400v	4"	100mm	74	640 x 318 x 405	1920/10.5	3.0	200-0168	
VT100-C.350 400v EX	4"	100mm	74	640 x 318 x 405	1920/10.5	3.0	200-0168EX	
VT100-C.355 400v	4"	90mm	95	693 x 379 x 470	2160/11.5	4.0	200-0174	
VT100-C.355 400v EX	4"	90mm	95	693 x 379 x 470	2160/11.5	4.0	200-0174EX	
VT100-C.356 400v	4"	90mm	99	693 x 379 x 470	2400/16	6.0	200-0176	
VT100-C.356 400v EX	4"	90mm	99	693 x 379 x 470	2400/16	6.0	200-0176EX	
VT100-C.358 400v	4"	90mm	125	693 x 379 x 470	2760/18.5	7.5	200-0177	
VT100-C.358 400v EX	4"	90mm	125	693 x 379 x 470	2760/18.5	7.5	200-0177EX	

EX = Explosion Proof



II 2G Ex d c IIb T4 X



VT100 348-358



SEWAGE & WASTE

DRENO PUMPS – ACCESSORIES

E

MODEL	Guide Rail Coupling Foot & Claw B6	Guide Rail Coupling Foot & Claw B8	Guide Rail Top Bracket	Free Standing Base P7	Free Standing Base P8	Threaded Coupling Flange F2 DN100	Flanged Hose Connection N2 DN100	Threaded Coupling Flange F4 DN150	Flanged Hose Connection N2 DN150
VT100-C.362 400v Guide Rail Standing	✓	✗	✓	✓	✗	✓	✓	✗	✗
VT100-C.363 400v Guide Rail Standing	✓	✗	✓	✓	✗	✓	✓	✗	✗
VT100-C.375 400v Guide Rail Standing	✓	✗	✓	✓	✗	✓	✓	✗	✗
VT100-C.380 400v Guide Rail Standing	✓	✗	✓	✓	✗	✓	✓	✗	✗
VT150-C.385 400v Guide Rail Standing	✗	✓	✓	✗	✓	✗	✗	✓	✓
VT150-C.390 400v Guide Rail Standing	✗	✓	✓	✗	✓	✗	✗	✓	✓
VT150-C.395 400v Guide Rail Standing	✗	✓	✓	✗	✓	✗	✗	✓	✓
CODE PRICE	100-11511	100-11513	100-11711	100-11628	100-11629	100-11577	100-11564	100-11578	1100-11565



B4-B7 Coupling Foot & Claw



B4-B7 Top Bracket



P Base



Counter Flange DN80 / 100 / 150



Flanged Hose Connection DN80 / 100 / 150

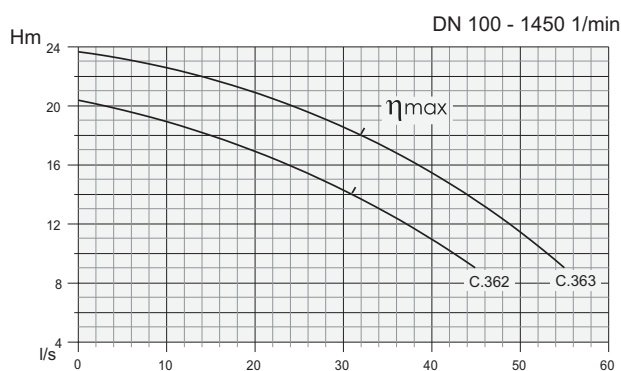
SEWAGE & WASTE

DRENO-VT VORTEX IMPELLER

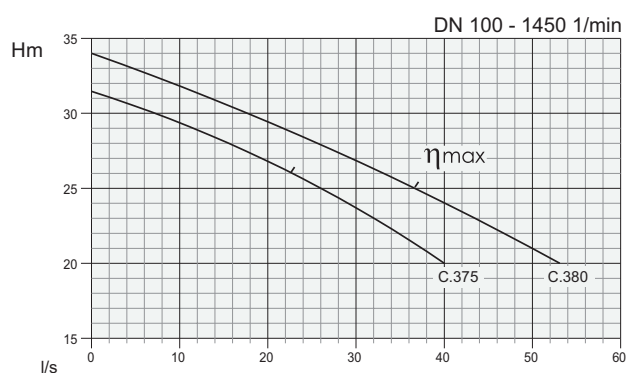
4 POLE

A

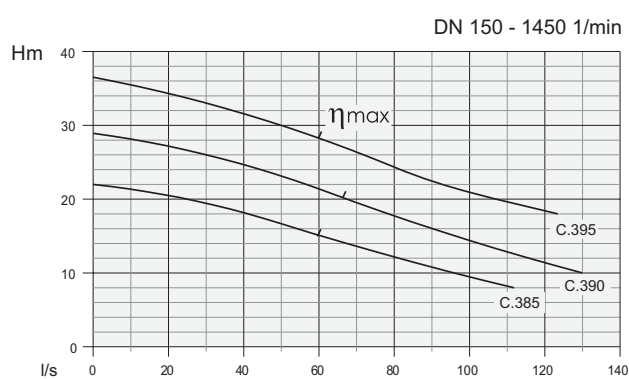
MODEL	OUTLET	SOLIDS	Kg	H x W x L mm	LM/HM	kW P2	CODE	PRICE
VT100-C.362 400v	4"	90mm	192	855 x 385 x 473	2700/20	12	200-0182	
VT100-C.363 400v	4"	90mm	205	855 x 385 x 473	3300/23.5	15	200-0184	
VT100-C.375 400v	4"	90mm	288	931 x 507 x 594	2400/31	20	200-0190	
VT100-C.380 400v	4"	90mm	295	931 x 507 x 594	3180/34	25	200-0192	
VT150-C.385 400v	6"	130mm	550	1190 x 605 x 840	6600/22	35	200-0204	
VT150-C.390 400v	6"	130mm	585	1190 x 605 x 840	7800/28	45	200-0206	
VT150-C.395 400v	6"	130mm	590	1190 x 605 x 840	7500/36	55	200-0208	



VT100 362-363



VT100 375-380



VT150 385-395



SEWAGE & WASTE

DRENO PUMPS – ACCESSORIES

E

MODEL	Coupling Foot & Claw DUTY 50	Guide Rail Top Bracket	Free Standing Base P1	Free Standing Base P2	Free Standing Base P3
GM32-C.149 230v EX Free Standing	✓	✓	✗	✗	✗
GM32-C.150 230v EX Free Standing	✓	✓	✗	✗	✗
GT32-C.149 400v EX Free Standing	✓	✓	✗	✗	✗
GT32-C.150 400v EX Free Standing	✓	✓	✗	✗	✗
GM32-C.155 230v EX Guide Rail Standing	✓	✓	✓	✗	✗
GM32-C.160 230v EX Free Standing	✓	✓	✓	✗	✗
GT32-C.155 400v EX Guide Rail Standing	✓	✓	✓	✗	✗
GT32-C.160 400v EX Guide Rail Standing	✓	✓	✓	✗	✗
GT50-C.165 400v EX Guide Rail Standing	✓	✓	✗	✓	✗
GT50-C.170 400v EX Guide Rail Standing	✓	✓	✗	✓	✗
GT50-C.175 400v EX Guide Rail Standing	✓	✓	✗	✗	✓
GT50-C.180 400v EX Guide Rail Standing	✓	✓	✗	✗	✓
GT50-C.185 400v EX Free Standing	✓	✓	✗	✗	✓
CODE	100-11740	100-11730	100-11622	100-11623	100-11624
PRICE					

Duty 50 Coupling
Foot & Claw



Guide Rail Top Bracket



P Base



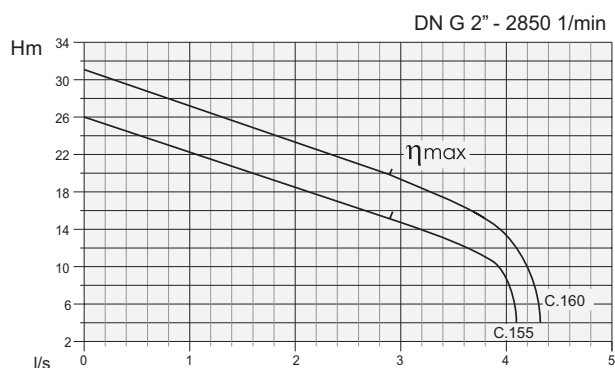
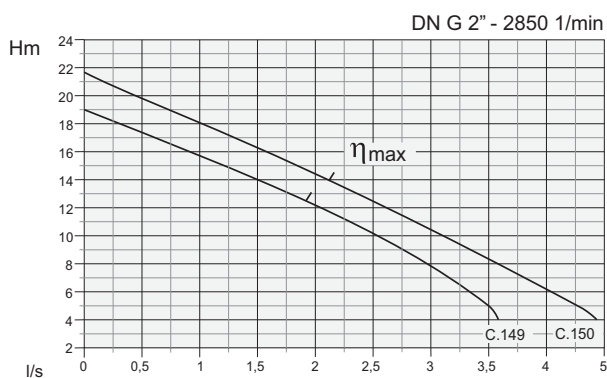
SEWAGE & WASTE

DRENO-GM-GT GRINDER

2 POLE

A

MODEL	OUTLET	SOLIDS	Kg	H x W x L mm	LM/HM	kW P2	CODE	PRICE
GM32-C.149 230v	2"	6mm	25	360 x 180 x 218	210/19	0.9	200-0042	
GM32-C.149 230v EX	2"	6mm	25	360 x 180 x 218	210/19	0.9	200-0042EX	
GM32-C.150 230v	2"	6mm	25	360 x 180 x 218	280/21	1.1	200-0371	
GM32-C.150 230v EX	2"	6mm	25	360 x 180 x 218	280/21	1.1	200-0371EX	
GM32-C.149 400v	2"	6mm	25	360 x 180 x 218	210/19	0.9	200-0044	
GM32-C.149 400v EX	2"	6mm	25	360 x 180 x 218	210/19	0.9	200-0044EX	
GM32-C.150 400v	2"	6mm	25	360 x 180 x 218	280/21	1.1	200-0373	
GM32-C.150 400v EX	2"	6mm	25	360 x 180 x 218	280/21	1.1	200-0373EX	
GM32-C.155 230v	2"	6mm	38	415 x 206 x 260	240/26	1.7	200-0048	
GM32-C.155 230v EX	2"	6mm	38	415 x 206 x 260	240/26	1.7	200-0048EX	
GM32-C.160 230v	2"	6mm	40	415 x 206 x 260	250/31	2.3	200-0053	
GM32-C.160 230v EX	2"	6mm	40	415 x 206 x 260	250/31	2.3	200-0053EX	
GM32-C.155 400v	2"	6mm	38	415 x 206 x 260	240/26	1.7	200-0052	
GM32-C.155 400v EX	2"	6mm	38	415 x 206 x 260	240/26	1.7	200-0052EX	
GM32-C.160 400v	2"	6mm	40	415 x 206 x 260	250/31	2.3	200-0054	
GM32-C.160 400v EX	2"	6mm	40	415 x 206 x 260	250/31	2.3	200-0054EX	
EX = Explosion Proof								



GM-GT32 149-150

GM-GT32 149-150
Semi-professional
Grinding SystemGM-GT32 155-160
Professional Grinding System

II 2G Ex d c IIb T4 X



GM-GT32 155-160

SEWAGE & WASTE

DRENO PUMPS – ACCESSORIES

E

MODEL	Coupling Foot & Claw DUTY 50	Guide Rail Top Bracket	Free Standing Base P2	Free Standing Base P3	Counter Flange DN50 PN10
GT50-C.165 400v EX Guide Rail	✓	✓	✓	✗	✓
GT50-C.170 400v EX Guide Rail	✓	✓	✓	✗	✓
GT50-C.175 400v EX Guide Rail	✓	✓	✗	✓	✓
GT50-C.180 400v EX Guide Rail	✓	✓	✗	✓	✓
GT50-C.185 400v EX Guide Rail	✓	✓	✗	✓	✓
CODE	100-11740	100-11730	100-11623	100-11624	M6220001
PRICE					



Duty 50 Coupling Foot & Claw



P Base



Guide Rail Top Bracket



Counter Flange DN50

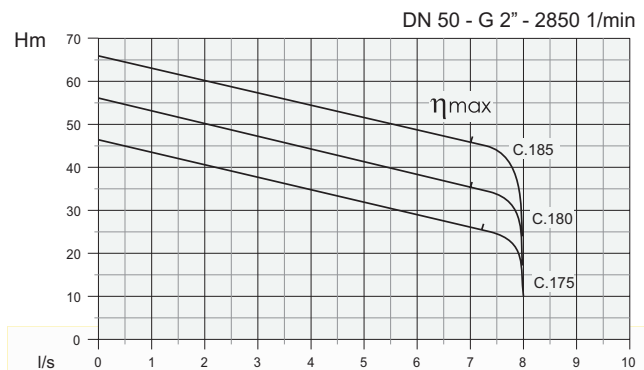
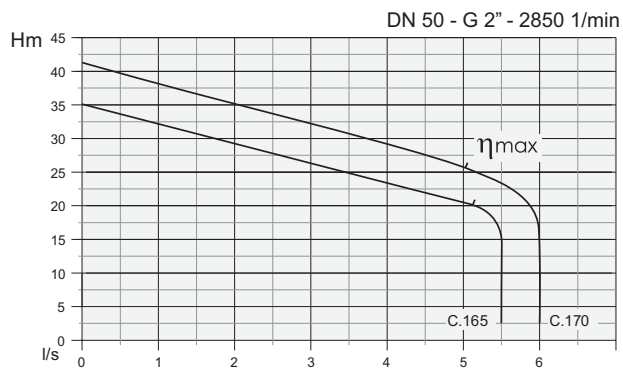
SEWAGE & WASTE

DRENO-GM-GT GRINDER 2 POLE

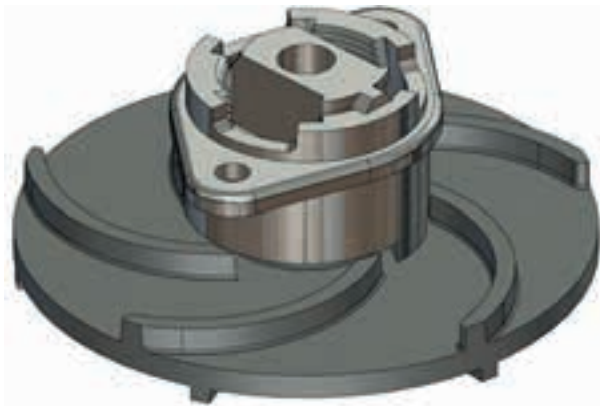
A

MODEL	OUTLET	SOLIDS	Kg	H x W x L mm	LM/HM	kW P2	CODE	PRICE
GT50-C.165 400v	2"	8mm	61	503 x 253 x 335	330/35	3.2	200-0056	
GT50-C.165 400v EX	2"	8mm	61	503 x 253 x 335	330/35	3.2	200-0056EX	
GT50-C.170 400v	2"	8mm	62	503 x 253 x 335	360/41	4.2	200-0058	
GT50-C.170 400v EX	2"	8mm	62	503 x 253 x 335	360/41	4.2	200-0058EX	
GT50-C.175 400v	2"	10mm	85	574 x 275 x 383	480/45	6.2	200-0060	
GT50-C.175 400v EX	2"	10mm	85	574 x 275 x 383	480/45	6.2	200-0060EX	
GT50-C.180 400v	2"	10mm	86	574 x 275 x 383	480/55	7.8	200-0062	
GT50-C.180 400v EX	2"	10mm	86	574 x 275 x 383	480/55	7.8	200-0062EX	
GT50-C.185 440v	2"	10mm	90	574 x 275 x 383	480/65	9.5	200-0065	
GT50-C.185 440v EX	2"	10mm	90	574 x 275 x 383	480/65	9.5	200-0065EX	

EX = Explosion Proof



II 2G Ex d c IIb T4 X



Grinder GT50 165-185
Professional Grinding System



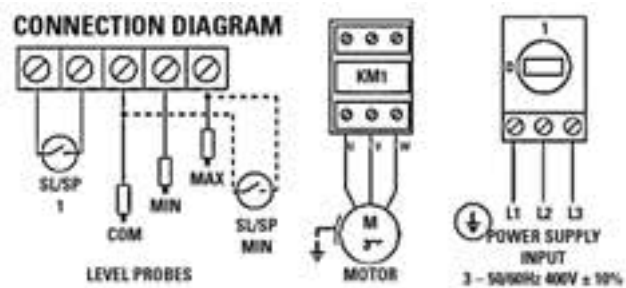
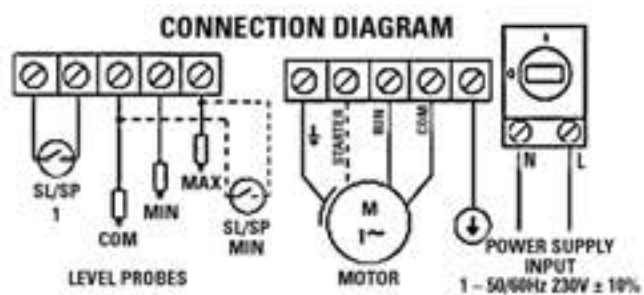
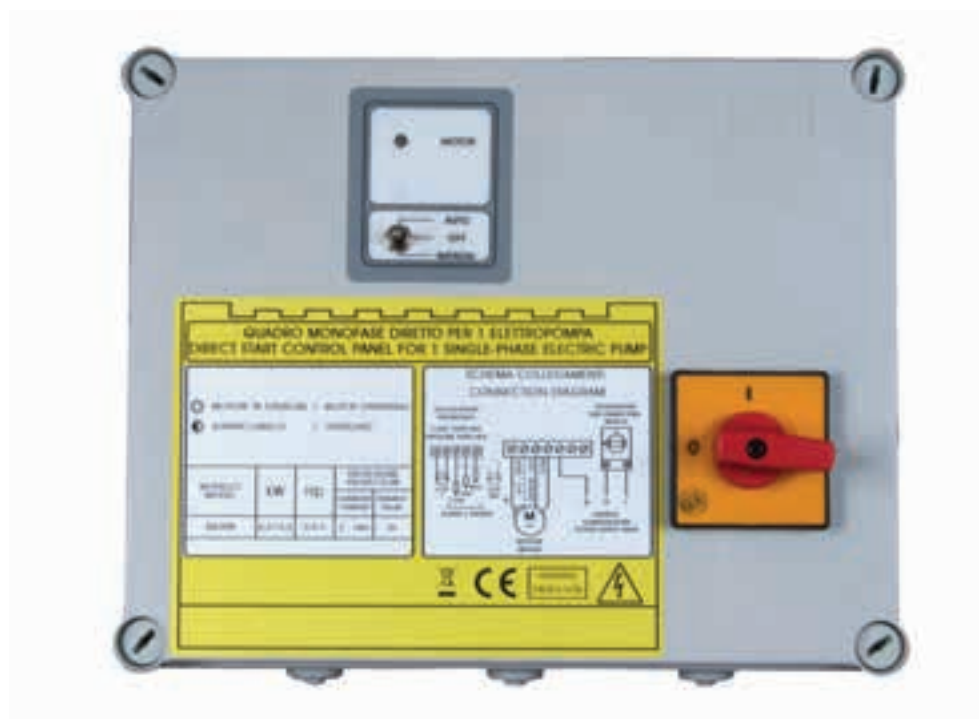
CONTROL EQUIPMENT

BASIC CONTROL PANELS

E

Model	Kg	H x W x Lmm	Volt	Amp range	Kw range	Code	Price
QA/50B	1.5	220 x 255 x 130	230v	2-18	0.37-2.2	233.13	
QA/50B	1.5	220 x 255 x 130	110v	2-18	0.37-2.2	233.13.S122	
QA/61C	1.9	220 x 255 x 130	415v	2-11	0.55-5.0	235.76	
QA/62C	2.7	240 x 315 x 160	415v	2-16	0.55-7.0	235.77	
QA/64C	2.8	240 x 315 x 160	415v	16-29	7.5-13.5	235.79	

These IP50 enclosure control panels offer single pump control with manual (non-latching) and automatic operation with overload protection. Pumps with external capacitors can be fitted within the enclosures. If you require a run capacitor please see page 166. These can be used for single or twin float operation, pressure switch operation and/or probe operation. Two way operation of either emptying or filling. For float switches/probes see page 52 and 53.



CONTROL EQUIPMENT

BASIC HIGH/LOW LEVEL ALARM UNITS

E

Model	Kg	H x W x L mm	Code	Price
BEEPER SQ 2 230/415V	1	270 x 120 x 95	020-013	
BEEPER SQ 9V	1	270 x 120 x 95	020-014	
SL82/230-400V	1	180 x 120 x 170	253.40	
Sentinel Alarm Unit	1	100 x 80 x 60	020-008	
SAL/2,5-90	1	180 x 170 x 100	252.05	
SAL/61	1	250 x 250 x 180	252.28	

HIGH/LOW LEVEL ALARM

Beeper SQ 2. 230v/415v, Beeper SQ 9 and **SL82** can be used for almost any application where detection of high or low level liquids needs to be raised. Low voltage output for float connection (Float not included) Complete with acoustic and LED alarm.

Beeper SQ2 and SL82 have NO and NC contacts for remote signalling.

Beeper SQ 9v is a basic stand alone unit, powered by an internal 9 volt battery only (included, but not recharge type).

Sentinal level alarm. Low voltage output for float connection. battery back up in case of mains failure. Sentinel high/low level alarm can be used for almost any application where detection of high or low level warning needs to be raised. Low voltage output for float connection (**float not included**).

Battery back up in case of mains failure. Can also be supplied with Euro shuko plug.

SAL/2,5-90 – 230v and 415v supply with battery back-up. Power on indicator, alarm led, alarm acoustic sounder, alarm reset button (after alarm has cleared), alarm test button and NO & NC contacts. Alarm can remain active for 7 minutes, 1 hour, 30 seconds active & 30 seconds paused or uninterrupted.

SAL/61 – 230v and 415v supply with battery back-up. Power on indicator, alarm led, alarm acoustic siren, alarm reset button (after alarm has cleared), alarm test button. Six contact inputs, 1-4 NO or NC configured by micro switch. Input 5 NC, input 6 NO.



SL82



BEEPER



SENTINEL

SAL/2,5-90



SAL/61



NEW PRODUCTS

INTRODUCING THE NEXT GENERATION OF VILLIERS INVERTER GENERATORS



G1000i
Inverter Generator
0.85kW rated



G2000i
Inverter Generator
1.7kW rated



See page 195

CONTROL EQUIPMENT

FULL CONTROL PANELS FOR SEWAGE PUMPS

C

IP-54 steel enclosure – interlock main isolater – line fuses – starters with overload relays – transformers – hour counters – auto changeover relay (twin pump) – run capacitor facilities (single phase pumps) – pump run and trip indicators – alarm circuit c/w 24v AC power for audible warning.

Overloads are fitted to suit (1–11 Amps), advise when ordering. For 5.5–7.5kW see below.

Single pump panels require a two float operation (three if using the alarm circuit feature).

Twin pump panels require a three float operation (four if using the alarm circuit feature).

Dimensions: Single Panel H 400mm W 300mm D 160mm 12kg.

Twin Panel H 500mm W 400mm D 200mm 14.5kg.

Model	Duty	Code	Price
CP1SM-13A	1 x 1ph	020-722	
CP2SM-13A	2 x 1ph	020-724	
CP1S-13A	1 x 3ph	020-726	
CP2S-13A	2 x 3ph	020-728	



FLASHING
BEACON/SOUNDER

OPTIONAL HIGH LEVEL ALARM EQUIPMENT & EXTRAS

C

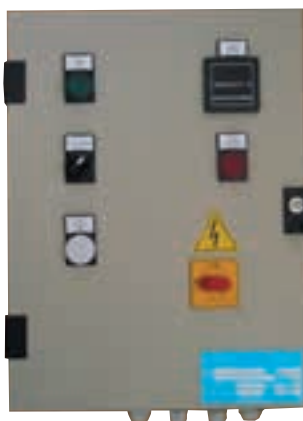
Part	Code	Price
RECTIFIER & INTERNAL BUZZER / REMOTE CONNECTION	200-001	
FLASHING BEACON	309-5922	
FLASHING BEACON / SOUNDER	530-6016	
EXTRAS (FOR 5.5-7.5kW MOTORS, PER ONE)		

5.5-7.5kW (11–16 Amp) OVERLOAD & CONTACTOR UPGRADE 200-005

If supplying a flashing beacon/sounder only, a rectifier still needs to be fitted to operate



FLASHING BEACON



SINGLE PUMP PANEL



TWIN PUMP PANEL



INTERNAL VIEW
TWIN PUMP PANEL



INTERNAL VIEW
SINGLE PUMP PANEL

KIOSK – SINGLE DOOR

C

Model	Kg	Approx H x W x L mm	Code	Price
Kiosk	40	Outer 1000 x 700 x 450 Door 900 x 550 Backing board 800 x 500	020-700	



KIOSK

CONTROL EQUIPMENT

FLOAT SWITCHES & LEVEL CONTROLS (European Manufacture)

E

BASIC FLOATS FOR PUMPS

Basic floats to mount on standard "cabtyre" cable entry.
For replacement and retrofit applications to submersible pumps.

Description	Kg	Code	Price
Mac 3 Float & Gland	0.5	020-001	
Agma 22 c/w 10m Cable	1.2	020-003	
Reka2000 Capacitative Level Controllers see page 227			

SIMPLE BASIC FLOAT

For wall or tank mounting. Twin liquid filled balls working on displacement.
Contacts can be used for filling or emptying differential 50mm to 1 metre.

Description	Kg	Code	Price
ST70-AB	0.6	030-500	

PROBE CONTROLS

Submatic electronic control units to be used with two probe "N"s allowing emptying or filling without the need for float switches. Levels are dependent on the difference in the position of the probes.

Description	Kg	Code	Price
Submatic Q 230v/415v	1	030-535	
Submatic Q 110v	1	030-538	

PROBES WITH CABLES (2 required min)

Description	Kg	Code	Price
Probe "N" 10m	0.8	030-546	
Probe "N" 20m	1.6	030-548	
Probe "N" 30m	2.4	030-544	
Probe "N" 50m	4	030-628	
Probe "N" 100m	8	030-630	

DIVERMATIC

Divermatic is a portable signalling device, visual and acoustic, for the measuring of the water level in a borehole. Divermatic is complete with metric cable, numbered by a 0-200 metre scale and a cable reel. Power supply is by a 9 volt battery which is included in the device. With the marked metric numerical cable sheath it is possible to read the depth to the water surface by means of a probe which provides a lit LED and acoustic signal.

Description	Kg	Code	Price
Divermatic	9.4	030-660	

SINGLE ACTION FLOAT

Simple single action floats for emptying operations.
2 core and earth connections.

Description	Cable	Kg	Code	Price
Minimatic -I	0.5m	0.5	030-549	
Minimatic -I	5m	0.7	030-550	
Minimatic -I	10m	1.1	030-552	
Minimatic -I	15m	1.5	030-554	
Minimatic -I	20m	1.9	030-556	
Minimatic -I	30m	2.2	030-558	
Counterweight		0.2	030-580	



MAC-3

ST70-AB



SUBMATIC Q



2 x PROBE "N"



DIVERMATIC



MINIMATIC-I

CONTROL EQUIPMENT

FLOAT SWITCHES & LEVEL CONTROLS (European Manufacture)

E

DOUBLE ACTION FLOAT

Double action floats for emptying or filling operation. 3 core connections.

Description	Cable	Kg	Code	Price
Minimatic -C	5m	0.7	030-562	
Minimatic -C	10m	1.1	030-564	
Minimatic -C	15m	1.5	030-566	
Minimatic -C	20m	1.9	030-568	
Minimatic -C	30m	3.0	030-570	
Counterweight		0.2	030-580	

SEWAGE FLOATS "MC" MULTI-CONTACT

Heavyweight floats for sewage and waste water. Double action floats for emptying or filling operation. 3 core connections. Operation at 5 degrees. Tilt from centre for ease of operation. Sewage floats come complete with counterweight.

Description	Cable	Kg	Code	Price
MC6	6m	1.3	030-620	
MC13	13m	1.9	030-622	
MC20	20m	2.3	030-624	
MC30	30m	3.5	030-626	
MC50	50m	6.0	030-629	
Counterweight		0.2	030-580	

HIGH TEMPERATURE V "HG" max 130 degree C

V-Hg range are stainless steel bulb floats with silicone cable for hot water and vapour applications where Mercury internals are acceptable. Single action float for emptying. Two core and earth connections. Operation at 5 degrees.

Description	Cable	Kg	Code	Price
Matic V-HG-6	6m	0.6	030-590	
Matic V-HG-10	10m	1.0	030-592	
Matic V-HG-20	20m	1.9	030-594	
Counterweight		0.2	030-580	

WRAS APPROVED DOUBLE ACTION FLOATS

Description	Kg	Code	Price
Minimatic/C Wras 5M	0.8	030-650	
Minimatic/C Wras 10M	1.5	030-652	
Minimatic/C Wras 15M	2.2	030-654	
Minimatic/C Wras 20M	2.9	030-656	

LITTLE EX – ATEX APPROVED FLOAT SWITCH

Level regulator for use in potentially explosive environments due to the presence of gas and vapours, for example. Double action 15° differential. Group and category tool II 1G. Modality of protection for the striking Eex ia. Group of striking IIC. Class of temperature T6. Note: The regulator has to be connected to an intrinsic safe power circuit.

Cable on the Little Ex is suitable for oil (in waste and sewage vessels) lasting far longer than traditional plastic or H07

Description	Cable	Kg	Code	Price
Little EX 5m	5m	0.6	030-638	
Little EX 10m	10m	0.9	030-640	
Little EX 20m	20m	1.4	030-642	



MINIMATIC-C



MC



COUNTER WEIGHT



V-HG



WRAS



ATEX FLOAT SWITCH



Certificate
TÜV ATEX No 553233X

SEWAGE & WASTE

TYPICAL PACKAGE SEWAGE STATIONS



WE CAN CUSTOM BUILD SEWAGE VESSELS TO YOUR SPECIFICATIONS

SEWAGE & WASTE

PACKAGE SEWAGE STATIONS

We are happy to build any type or size of sewage station using any of the pumps, vessels and control panel combinations.

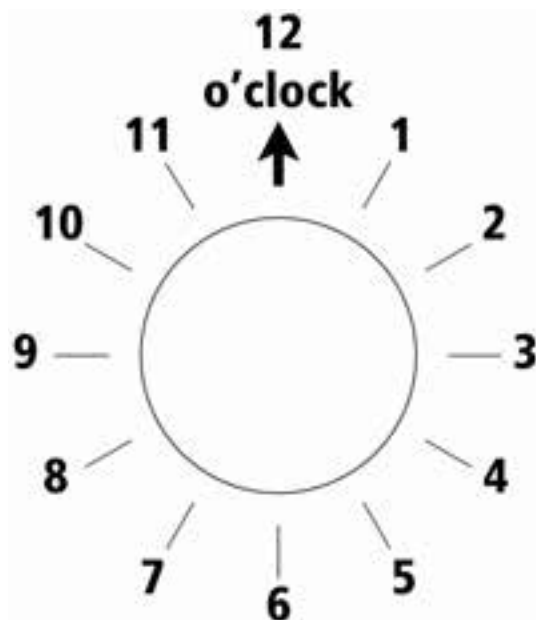
WHAT YOU NEED TO CONSIDER:

1. AMOUNT OF LIQUID TO BE TRANSFERRED _____ NUMBER OF PEOPLE @ 180LT/DAY _____
To allow for 24 Hour back up guidelines, multiply result above by 2 _____
2. MAXIMUM TOTAL HEAD AND DISTANCE TO MAIN SEWER _____
3. TYPE OF PUMP AND NUMBER OF PUMPS REQUIRED _____
4. SIZE OF VESSEL REQUIRED _____
(At least one metre depth below the selected outlet level required)
5. TYPE OF PANEL REQUIRED _____
(See pages 48 & 51)
6. TYPE, NUMBER AND LENGTH OF FLOATS REQUIRED _____
(See pages 52 & 53)
7. VALVES, FITTINGS AND INTERNAL PIPEWORK _____
(See page 34)
8. DISCHARGING PIPE TO MAIN _____

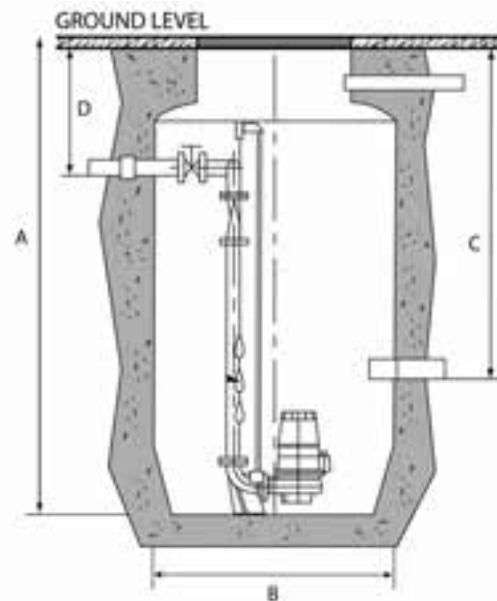
IF IN DOUBT PLEASE DO NOT HESITATE TO CALL OUR SALES STAFF WHO WILL BE HAPPY TO ADVISE YOU ON THE CORRECT SELECTION OF EQUIPMENT REQUIRED.

PLEASE NOTE THAT SEWAGE PACKAGE STATIONS WILL REQUIRE SOME ON-SITE ASSEMBLY.

PACKAGED PUMPING STATIONS CUSTOMERS SPECIFIC FABRICATION INSTRUCTIONS



View looking down on the tank.
Treat this diagram like a clock.
DISCHARGE is set at 12 o'clock -
Indicate the relative positions of INLET/S
and CABLE DUCT and VENT (if required).



ITEM	INDEX	DEPTH (mm)	DIAMETER (mm)	CLOCK FACE POSITION
Tank Depth	A			
Tank Diameter	B			
Inlet	C1			
Inlet	C2			
Inlet	C3			
Discharge	D			12
Cable Duct				
Vent				

WE CAN BUILD TO YOUR SPECIFICATIONS

SEWAGE & WASTE

SEWAGE PACKAGE VESSELS

A

VESSELS COMPLETE WITH ACCESS COVER
INLET & OUTLET TO CUSTOMER SPECIFICATIONS

SIZE (DIA x DEPTH)	WORKING VOLUME (Nominal)	CODE	PRICE
1m x 1m	400 lt	020-246	
1m x 2m	1100 lt	020-248	
1.2m x 1.2m	860 lt	020-253	
1.2m x 1.5m	1220 lt	020-254	
1.2m x 2m	1800 lt	020-255	
1.5m x 1.5m	1760 lt	020-249	
1.5m x 2m	3100 lt	020-250	
1.8 x 2m	3820 lt	020-252	

Working volume is based on inlet pipe at 500mm invert. All vessels have benched bottom to avoid sludge build up.
Please Note: Dimensions are external measurements.

Common sizes listed above. Other diameters and depths available

Deliver charges vary, dependant on location and size of vessel



INTERNAL PIPEWORK FOR SEWAGE VESSELS

A

All sewage stations require internal delivery pipe and the following:- sewage swing check valves, gate valves and quick release unions. The codes cover all internal fittings required in the size listed. Guide rail mounted pumps have solid pipe up to manifold. Free standing pumps have flexible heavy duty connector up to manifold. One code covers all internal parts. Guide rail mounted systems have heavy duty foundation plate moulded into the vessel.

INTERNAL PIPEWORK FREE STANDING PUMPS			
PIPE SIZE	No. OF PUMPS	CODE	PRICE
2"	1	020-270	
2"	2	020-272	
3"	1	020-274	
3"	2	020-276	
4"	1	020-278	
4"	2	020-280	

INTERNAL PIPEWORK GUIDE RAIL MOUNTED			
PIPE SIZE	No. OF PUMPS	CODE	PRICE
2"	1	020-282	
2"	2	020-284	
3"	1	020-286	
3"	2	020-288	
4"	1	020-290	
4"	2	020-292	

PRICES INCLUSIVE OF HEAVY DUTY IN BUILT FOUNDATION PLATE

SEWAGE & WASTE

VACUSYSTEM SEWAGE STATION SINGLE PUMP

230v

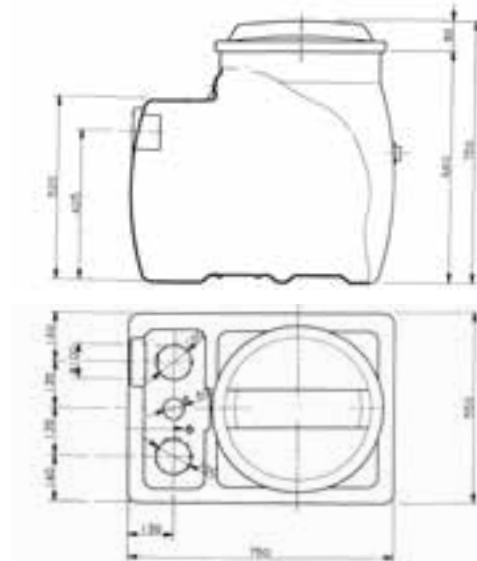
E

MODEL	FLOW L/M	HEAD (M)	MAX TEMP	VESSEL LITRE	WASTE WATER	SEWAGE WASTE	SOLIDS	POWER	CODE	PRICE
VS-170-B300	300	10	50°C	170	YES	YES	40mm	1.3 kw	214-1040	
VS-170-B400	400	12	50°C	170	YES	YES	40mm	1.6 kw	214-1050	
110mm - 100mm Adapter (if required)									214-1200	
300mm Neck Extension (up to 3 can be used)									008-310	

Single Vacusystem models are small basic package stations. Supplied with the Biox range of pumps. Operation by single integral float switch. Includes non return valve and quick release coupling, three 4" 100mm knockout inlets. Being plastic moulded, holes can be drilled to suit. No control panel is included. Outlet discharge is 2" bsp female thread as standard to allow onsite requirements. If the pump is not suited to the application, please contact our sales representatives for information on other models of pump that can be installed.



Adapter



VACUSYSTEM SEWAGE STATION TWIN PUMP

230v & 415v

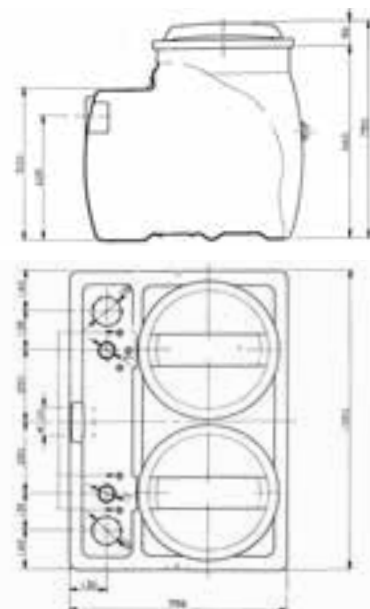
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MODEL	FLOW L/M	HEAD (M)	MAX TEMP	VESSEL LITRE	WASTE WATER	SEWAGE WASTE	SOLIDS	POWER	CODE	PRICE
SINGLE PHASE 230v MODELS										
VS400TP420M	420	11	50°C	400	YES	YES	40mm	2 x 1.3 kw	214-1120	
THREE PHASE 415v MODELS										
VS400TP460T	460	13	50°C	400	YES	YES	40mm	2 x 1.45 kw	214-1130	
110mm - 100mm Adapter (if required)									214-1200	
300mm Neck Extension (up to 3 can be used)									008-310	

Moulded one piece sump with twin pumps and full control panel for operation as alternating duty and assist, floats included. Supplied with the PrioX range of pumps. Includes non return valves and quick release couplings, three 4" 100mm knockout inlets. Being plastic moulded, holes can be drilled to suit. Full control panel with duty changeover and assist facilities. Outlet discharges are two 2" bsp female thread as standard to allow onsite manifold requirements to be built. If the pumps are not suited to the application, please contact our sales representatives for information on other models of pump that can be installed.



Neck Extension



SEWAGE & WASTE

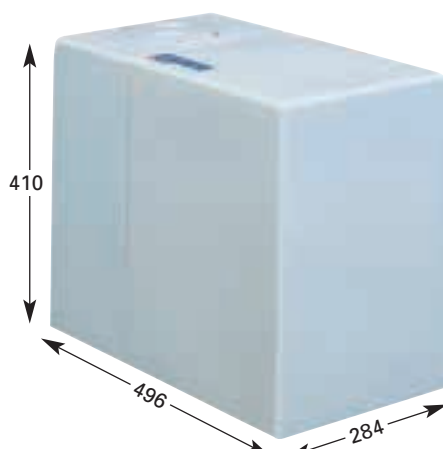
SELF CONTAINED WASTE PUMPING UNITS



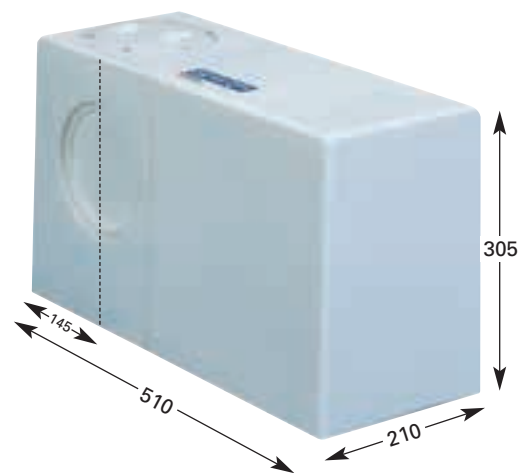
MULTIFLO / COMMERCIAL



MULTISAN



MULTI-FLO / UNISAN



MULTISAN

THE ULTIMATE CHOICE IN WASTE PUMPING PACKAGES

SEWAGE & WASTE

SELF CONTAINED WASTE PUMPING UNITS

230v

C

MODEL	FLOW L/M	HEAD (M)	MAX TEMP	VESSEL LITRE	WASTE WATER	SEWAGE WASTE	SOLIDS	POWER	CODE	PRICE
MULTI-FLO	100	10	90°C	25	YES	NO	10mm Max	0.4kw	020-764	
UNISAN COMMERCIAL	100	10	90°C	25	YES	NO	10mm Max	0.4kw	020-770	

COMMERCIAL UNIT HAS CHEMICAL SEALS, VESSEL & PRESSURE LEVEL SWITCHING

SELF CONTAINED SEWAGE/WASTE PUMPING UNITS

230v

C

MODEL	FLOW L/M	HEAD (M)	MAX TEMP	VESSEL LITRE	WASTE WATER	SEWAGE WASTE	SOLIDS	POWER	CODE	PRICE
MAXI-FLUSH	100	6	40°C	17	YES	YES	GRINDER	0.4 kw	020-760	
POWER FLUSH	130	7	40°C	20	YES	YES	GRINDER	1.0 kw	020-782	
MULTISAN	270	6	60°C	17	YES	YES	GRINDER	0.6kw	020-762	

If you don't have gravity drainage (or it is uneconomical to install), this range of packaged sewage and waste water systems will collect and automatically pump the waste water away in most plumbing situations.

The Multi and Unisan models have reliable dry mounted motors and are easy to install and service.

Multi-flo and Unisan are designed for under-sink situations, but can be sited elsewhere.

Multi-flo has float switch level switching. Unisan version has chemical seals and pressure level switching.

Multiple choices of waste water inlets can be drilled to suit the application.

Multisan, Maxi & Power Flush are fully automatic pumping systems, specifically designed for pumping waste from a complete bathroom when gravity drainage is not possible or economical to install, and can accept waste connections from a toilet, basin, shower and/or bidet.



MAXI/POWER FLUSH

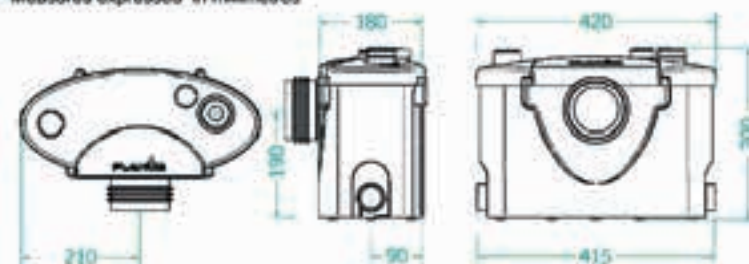
BROYSAN SELF CONTAINED WASTE PUMPING UNITS

230v

C

MODEL	Kg	WASTE WATER	SEWAGE WASTE	POWER	CODE	PRICE
BROYSAN	9.3	YES	YES	0.4kW	020-759	
BROYSAN PLUS*	9.3	YES	YES	0.4kW	020-757	

Measures expressed in millimetres



Broysan allows you to add an additional bathroom, kitchen or laundry room far from the soil stack without the need for major construction. Broysan is a box containing a powerful and silent macerator which allows the discharge of waste water through a small diameter pipe (30 or 40mm) to the nearest soil stack. Broysan can be connected to a toilet with horizontal trap. Through the additional side connections it is also possible to connect any other bathroom or waste-water device. For domestic use only, not commercial use.

* **Broysan Plus** - Coming Soon. This model comes with a removable filter basket for cleaning or removal of an obstruction. The whole electric assembly can be removed including the pumps impeller. If in the case of a complete failure, the electric assembly can be replaced with all its functioning components without the need for any plumbing. Reversible as it is provided with two possible connections to the toilet, choosing the most convenient.

PETROL ENGINE DRIVEN PUMPS

ENGINE PUMPS, 2 STROKE ENGINE POWERED

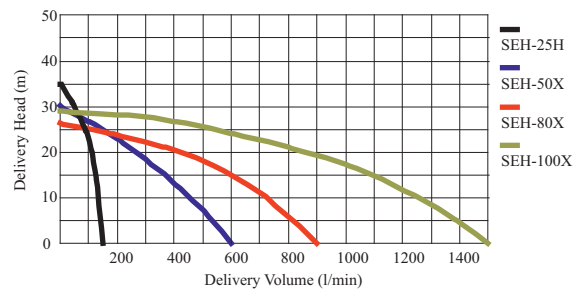
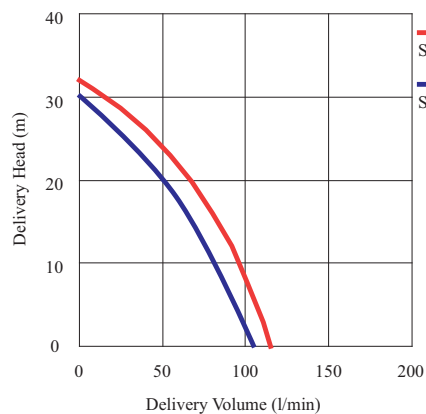
C

Light 2 stroke engine pumps for multi-purpose use, light, simple to use and reliable.

Model	Engine	Outlet	kg	W x L x H mm	Max l/min	Max Head/m	Code	Price
SEM-25L	TU26 2.0hp Mitsubishi	1"	6.5	345 x 260 x 345	100	30	050-003	



SEM-25L



SEM-25L

ENGINE PUMPS, HONDA POWERED WITH OIL ALERT *except GX25 & GXH50

C

Ideal for clean and black water applications, construction and agricultural duties, heavy-duty build with iron impeller and volute and carbon/ceramic mechanical seal in full crash frame.

Model	Engine	Outlet	kg	W x L x H mm	Max l/min	Max Head/m	Code	Price
SEH-25L	GX25* 2.0hp	1"	7.0	235 x 375 x 330	115	32	050-016	
SEH-25H	GXH50* 2.0hp	1"	15	311 x 385 x 453	150	35	050-015	
SEH-50x	GX120 4.0hp	2"	24	429 x 527 x 535	620	30	050-022	
SEH-80x	GX160 5.5hp	3"	32	389 x 525 x 458	900	26	050-032	
SEH-100x	GX240 8.0hp	4"	55	477 x 670 x 669	1450	28	050-038	



SEH-25H

SEMI TRASH ENGINE PUMPS, HONDA POWERED WITH OIL ALERT

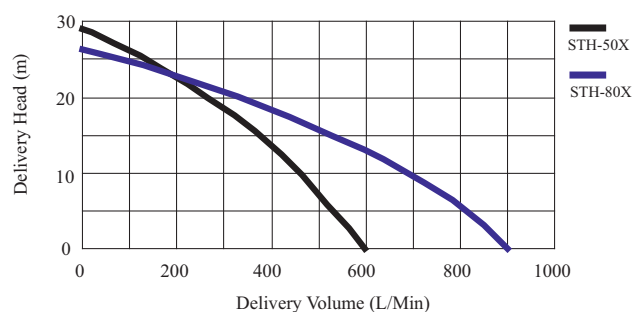
C

Semi Trash pumps with FCD (Spheroidal Graphite Iron Impeller) and volutes and also a SIC mechanical seal for aggressive applications, solids handling ability 8mm.

Model	Engine	Outlet	kg	W x L x H mm	Max l/min	Max Head/m	Code	Price
STH-50X	GX120 4.0hp	2"	25	493 x 377 x 420	600	29	050-028	
STH-80X	GX160 5.5hp	3"	35	530 x 423 x 488	900	26	050-048	



SEH-80X



STH-80T

PETROL ENGINE DRIVEN PUMPS

KOSHIN CENTRIFUGAL PUMPS RECOIL START ★SEV-25L 2-stroke

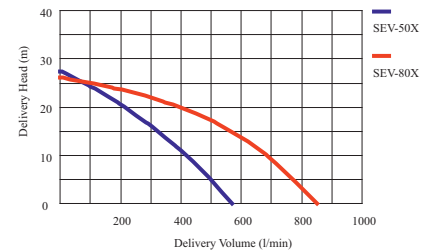
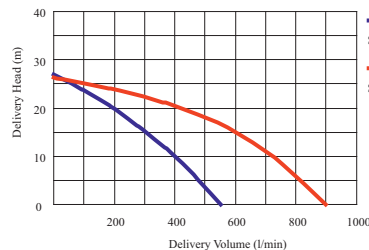
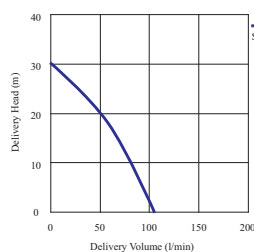
C

Model	Engine	Inlet/Outlet	kg	W x L x H mm	Max l/min	Max Head/m	Code	Price
SEV-25L	KOSHIN KC26 2.0hp★	1" x 1"	6.5	230 x 350 x 300	110	32	050-000	
SEV-50X	KOSHIN K180 4.0hp	2" x 2"	24	380 x 495 x 390	580	28	050-002	
SEV-80X	KOSHIN K180 4.0hp	3" x 3"	32	525 x 400 x 476	850	26	050-004	

KOSHIN SEMI TRASH PUMPS RECOIL START

C

Model	Engine	Inlet/Outlet	kg	W x L x H mm	Max l/min	Max Head/m	Code	Price
STV-50X	KOSHIN K180 4.0hp	2" x 2"	25	493 x 380 x 420	550	27	050-006	
STV-80X	KOSHIN K180 4.0hp	3" x 3"	35	530 x 425 x 488	900	26	050-008	



Koshin, One of the worlds biggest and most professional engine pump manufacturers have been renowned for over 50 years for its production partnerships with petrol and diesel engine manufacturers such as Suzuki, Mitsubishi, Robin, Yanmar and Honda.

Now The worlds foremost manufacturer has produced 2 new ranges of Engine pumps powered by its own K series engine. The SEV 50 & SEV 80. Clean and black water pumps using the tried and tested Koshin standard pump bodies and components.

STV 50X & STV 80X. Semi trash pump set with all hard wearing internals and sic Mechanical seals for longer life.

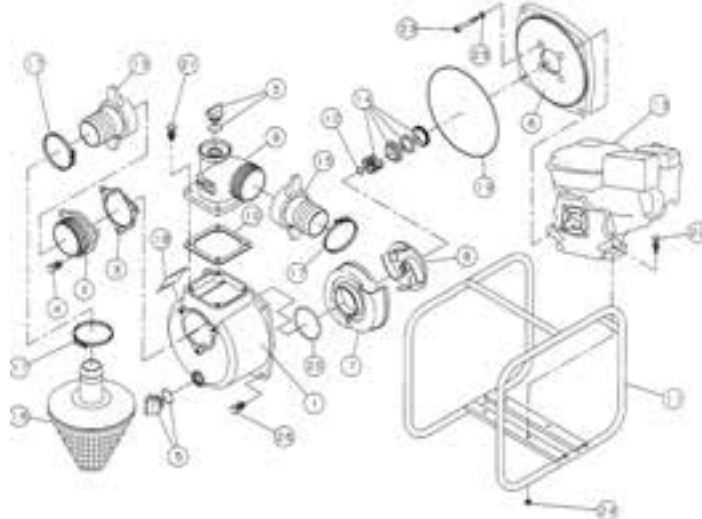
By producing the major components in house the quality can be 100% assured and the prices of the final machines can be kept economical.

- Quality 100% guaranteed
- Full spares availability
- Many parts interchangeable with Existing Koshin pumps

PART -	1	2	3	5a	5b	6	7	8	9	10	14	15	19	20
MODEL	PUMP CASE	SUCTION FLANGE	CHECK VALVE	DRAIN BUNG	FILLER BUNG	FLANGE BRACKET	VOLUTE	IMPELLER	DELIVERY FLANGE	GASKET	SEAL	HOSE TAILS EACH	O RING CASE	O RING VOLUTE
SEV-50X	0112578 050-684	0112662 050-644	0112665 050-664	0118078 050-604	0118078 050-604	0112579 050-864	0114640 050-744	0113532 050-805	0110556 050-704	0110541 050-724	0110688 050-844	0117026 050-624	0115014 050-784	011279201 050-764
SEV-80X	0112795 050-686	0112797 050-646	0112799 050-666	0118078 050-604	0118079 050-607	0112796 050-866	0114379 050-747	0114376 050-807	0110570 050-706	0110584 050-726	0110664 050-846	0117028 050-626	0115015 050-786	0113989 050-766
STV-50X	0112578 050-684	0112662 050-644	0112665 050-664	0118078 050-604	0118078 050-604	0114027	0115169	0115168	0110556 050-704	0110541 050-724	0115159	0117026	890255043 050-784	011279201 050-764
STV-80X	0112795 050-686	0112797 050-646	0112799 050-666	0118078 050-604	0118079 050-607	0112796 050-866	0115541	0115539	0110570 050-706	0110584 050-726	0115159	0117028 050-626	0115015 050-786	0113989 050-766
SEV-25L	0113329 050-960	0113325 050-966	0113326 050-967	0148010 050-600	0118450 050-973	0114992 050-963	0112528 050-964	0114994	N/A	N/A	0140273 050-968	0348015 050-952	890255031 050-969	889855042 050-972



KOSHIN SEV/STV



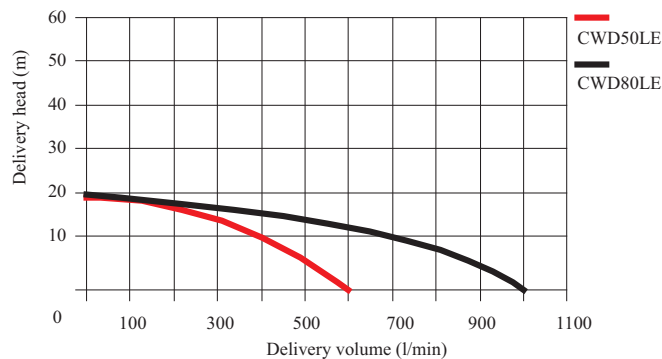
Require engine oil? See page 148

DIESEL ENGINE DRIVEN PUMPS

CHANGFA CENTRIFUGAL ENGINE PUMPS

C

Model	Engine	Inlet/Outlet	kg	W x L x H mm	Max l/min	Max Head/m	Code	Price
CWD50LE	CF170FE 5.0hp	2" x 2"	55.0	500 x 550 x 690	600	19	CWD50LE	
CWD80LE	CF178FE 7.0hp	3" x 3"	67.0	500 x 650 x 715	1000	19	CWD80LE	



CWD80LE
CWD50LE



The CWD 50 and 80 are high performance diesel powered centrifugal water pumps from Changfa one of the largest manufacturers of diesel engines in China.

Self priming pump heads for clean and black water with 8 metres suction lift.

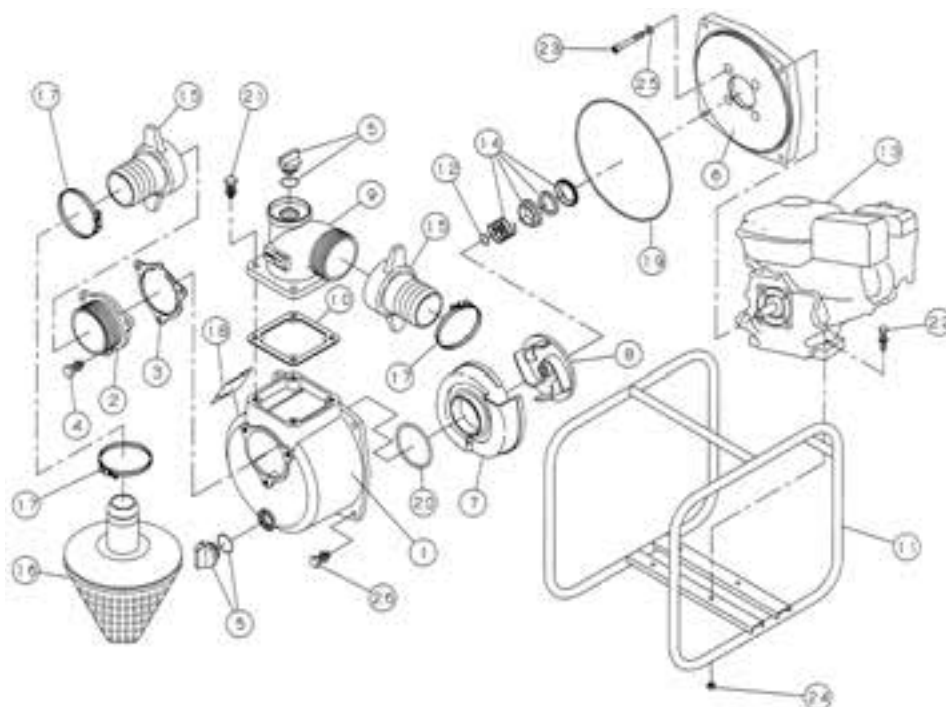
Max heads of 19m and flows of 550 and 950 litres per min at 3 metres head.

Single cylinder 5 and 7 Hp electric start air cooled engines with long run fuel tank and battery make these engines easy to start and run.

Full crash frame protection.

Can be supplied with wheel kits as optional extra.

PART -	1	2	3	5a	5b	6	7	8	9	10	14	15	19	20
MODEL	PUMP CASE	SUCTION FLANGE	CHECK VALVE	DRAIN BUNG	FILLER BUNG	FLANGE BRACKET	VOLUTE	IMPELLER	DELIVERY FLANGE	GASKET	SEAL	HOSE TAILS EACH	O RING CASE	O RING VOLUTE
CWD50	50-10002	50-10013	50-12000	50-10014	50-10014	50-10001	50-10003	50-10004	50-10007	50-10008	50-11000	050-624	50-20001	50-20003
CWD80	80-10002	80-10013	80-12000	50-10014	50-10014	80-10001	80-10003	80-10004	80-10007	80-10008	50-11000	050-626	50-20001	80-20012

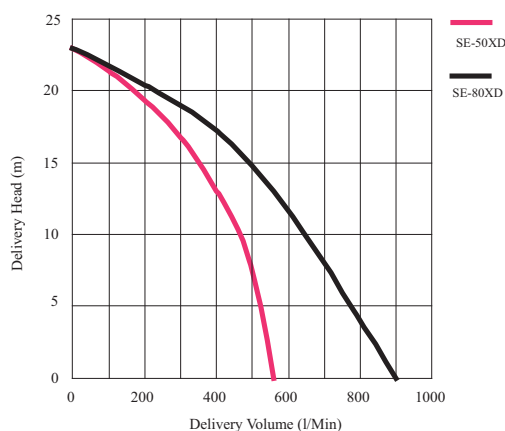


DIESEL ENGINE DRIVEN PUMPS

DIESEL POWERED CENTRIFUGAL PUMPS RECOIL START

C

Model	Engine	Outlet	kg	W x L x H mm	Max l/min	Max Head/m	Code	Price
SE-50XD	ROBIN DY23 5.0hp	2"	48	583 x 423 x 515	560	23	050-070	
SE-80XD	ROBIN DY23 5.0hp	3"	51	583 x 423 x 515	900	23	050-075	


Powered By


DIESEL POWERED CENTRIFUGAL PUMPS RECOIL START

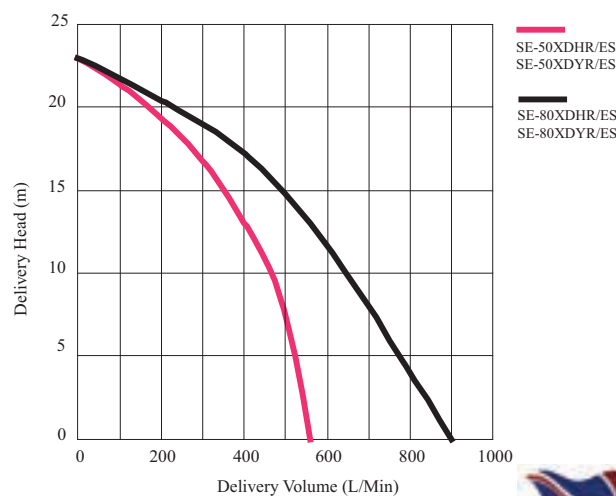
C/W FULL CRASH FRAME & WHEEL KIT
C

Model	Engine	Outlet	kg	W x L x H mm	Max l/min	Max Head/m	Code	Price
SE-50XDHR	HATZ 1B20 5.0hp	2"	55	700 x 800 x 710	560	23	050-070HR	
SE-80XDHR	HATZ 1B20 5.0hp	3"	58	700 x 800 x 710	900	23	050-075HR	

DIESEL POWERED CENTRIFUGAL PUMPS ELECTRIC START

C/W FULL CRASH FRAME & WHEEL KIT
C

Model	Engine	Outlet	kg	W x L x H mm	Max l/min	Max Head/m	Code	Price
SE-50XDHES	HATZ 1B20 5.0hp	2"	65	700 x 800 x 710	560	23	050-070HES	
SE-80XDHES	HATZ 1B20 5.0hp	3"	68	700 x 800 x 710	900	23	050-075HES	


Require engine oil? See page 148

ENGINE DRIVEN PUMPS

HIGH PRESSURE PUMPS, HONDA & MITSUBISHI ENGINE POWERED

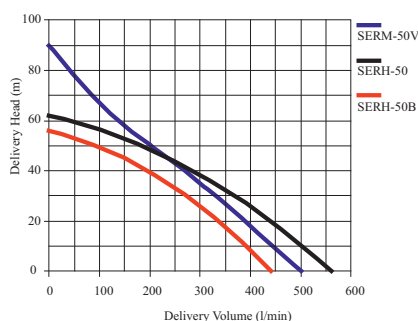
C

Petrol Engine High Pressure Pump Sets.

Model	Engine	Inlet/ Outlet	kg	W x L x H mm	Max l/min	Max Head/m	Code	Price
SERM-50V	MITS GM182 5.0hp	2"x2"	34	565 x 460 x 483	500	90	050-041	
SERH-50B	HONDA GX160 5.5hp	2"x2"	38	620 x 380 x 533	400	60	050-042	
SERH-50	HONDA GX240 8.0hp	2½"x2"	49	595 x 420 x 560	550	70	050-072	



SERM-50V



SERH-50B

DIESEL POWERED HIGH PRESSURE PUMPS RECOIL START

C/W FULL CRASH FRAME & WHEEL KIT

C

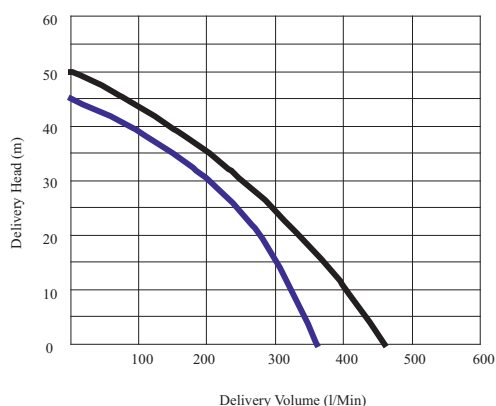
Model	Engine	Inlet/ Outlet	kg	W x L x H mm	Max l/min	Max Head/m	Code	Price
SERH-50BDHR	HATZ 1B20 5.0hp	2"x2"	55	700 x 800 x 710	350	45	050-043HR	
SERH-50DHR	HATZ 1B30 7.0hp	2½"x2"	60	700 x 800 x 710	450	49	050-044HR	

DIESEL POWERED HIGH PRESSURE PUMPS ELECTRIC START

C/W FULL CRASH FRAME & WHEEL KIT

C

Model	Engine	Inlet/ Outlet	kg	W x L x H mm	Max l/min	Max Head/m	Code	Price
SERH-50BDHES	HATZ 1B20 5.0hp	2"x2"	60	700 x 800 x 710	350	45	050-043HES	
SERH-50DHES	HATZ 1B30 7.0hp	2½"x2"	65	700 x 800 x 710	450	49	050-044HES	



SERH-50D

SERH-50BD



SERH-50BDHES



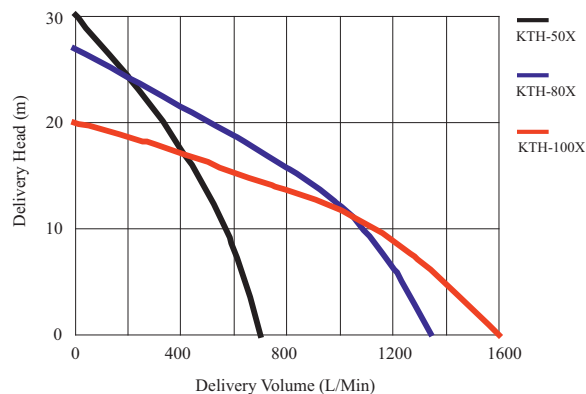
ENGINE DRIVEN PUMPS

TRASH DUTY ENGINE PUMPS, HONDA POWERED WITH OIL ALERT

C

Petrol engine trash duty pumps for sewage and muck. Large easy off front cover for cleaning SIC mechanical seals and Hi Chrome Impeller and Spheroidal Graphite Iron volute and solid handling up to 2"-20mm / 3" 27mm / 4"-30mm.

Model	Engine	Inlet/Outlet	kg	W x L x H mm	Max l/min	Max Head/m	Code	Price
KTH-50x	GX160 5.5hp	2"	51	656 x 498 x 524	700	30	050-074	
KTH-80x	GX240 8.0hp	3"	63	721 x 516 x 585	1340	27	050-076	
KTH-100x	GX340 11.0hp	4"	85	790 x 580 x 675	1600	20	050-078	



DIESEL POWERED TRASH PUMPS – RECOIL START

C/W FULL CRASH FRAME & WHEEL KIT

C

Heavy duty Koshin trash duty pumps mounted to Hatz diesel engines.

For very dirty water and trash duty. Solids handling up to: 2" - 20mm / 3" - 27mm / 4" - 30mm.

SIC Mechanical seals and Hi Chrome impeller and Spheroidal Graphite Iron volute.

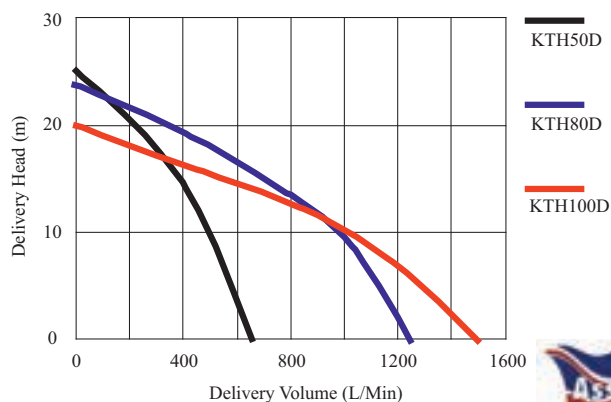
Model	Engine	Inlet/Outlet	kg	W x L x H mm	Max l/min	Max Head/m	Code	Price
KTH-50DHR	Hatz1B20 5.0hp	2"x2"	54	700 x 800 x 710	650	25	050-052HR	
KTH-80DHR	Hatz1B30 7.0hp	3"x3"	99	700 x 800 x 710	1250	24	050-082HR	
KTH-100DHR	Hatz1B40 8.5hp	4"x4"	140	700 x 1300 x 820	1550	20	050-087HR	

DIESEL POWERED TRASH PUMPS – ELECTRIC START

C/W FULL CRASH FRAME & WHEEL KIT

C

Model	Engine	Inlet/Outlet	kg	W x L x H mm	Max l/min	Max Head/m	Code	Price
KTH-50DHES	Hatz1B20 5.0hp	2"x2"	54	700 x 800 x 710	650	25	050-052HES	
KTH-80DHES	Hatz1B30 7.0hp	3"x3"	99	700 x 800 x 710	1250	24	050-082HES	
KTH-100DHES	Hatz1B40 8.5hp	4"x4"	140	700 x 1300 x 820	1550	20	050-087HES	



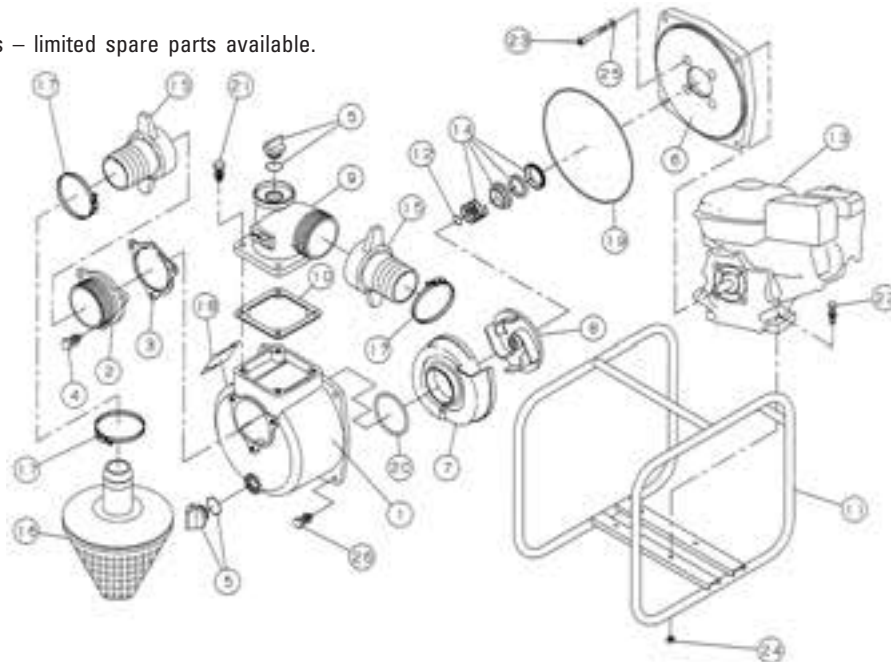
Require engine oil? See page 148

COMMON SPARE PARTS FOR ENGINE PUMPS

C

PART -	1	2	3	5a	5b	6	7	8	9	10	14	15	19	20
MODEL	PUMP CASE	SUCTION FLANGE	CHECK VALVE	DRAIN BUNG	FILLER BUNG	FLANGE BRACKET	VOLUTE	IMPELLER	DELIVERY FLANGE	GASKET	SEAL	HOSE TAILS EACH	O RING CASE	O RING VOLUTE
SE-25L ECO-25GR NEW	0113329 050-960	0113325 050-966	0113326 050-967	0148010 050-600	0118450 050-973	0114992 050-963	0112528 050-964	0114994	N/A	N/A	0140273 050-968	0348015 050-952	890255031 050-969	889855042 050-972
SEM-25L TU-26	0113329 050-960	0113325 050-966	0113326 050-967	0148010 050-600	0118450 050-973	0115987	0115986	0115985	N/A	N/A	0116054	0348015 050-952	890255031 050-969	889855042 050-972
*SCR-25R EY08	200200100	200200660	200900140	200500040	200500040	200200430	200210160	200210150	200200650	200800080	201100021	0348015 050-952	200900340	200900230
*SEH-25 G100	0113330 050-940	0114002 050-947	0113328 050-948	0118078 050-604	0118078 050-604	0110579 050-942	0114225 050-944	0111447 050-946	0111449 050-949	0110593 050-950	0110673 050-951	0348015 050-952	890255043 050-953	889855048 050-954
SEH-25 GXH-50	0113330 050-940	0114002 050-947	0113328 050-948	0118078 050-604	0118078 050-604	0116926	0116994	0116937	0111449 050-949	0110593 050-950	0110685 050-842	0348015 050-952	890255043 050-953	889855048 050-954
*SEH-50X GX120-OLD	0112578 050-684	0112662 050-644	0112665 050-664	0118078 050-604	0118078 050-604	0112579 050-864	0113175 050-743	0111780 050-804	0110556 050-704	0110541 050-724	0110688 050-844	0117026 050-624	0115014 050-784	011279201 050-764
*SEH-50X GX120-NEW	0112578 050-684	0112662 050-644	0112665 050-664	0118078 050-604	0118078 050-604	0112579 050-864	0114640 050-744	0113532 050-805	0110556 050-704	0110541 050-724	0110688 050-844	0117026 050-624	0115014 050-784	011279201 050-764
SEH-50X GX120 BEJ	0112578 050-684	0112662 050-644	0112665 050-664	0118078 050-604	0118078 050-604	0115268	0114640 050-744	0116616	0110556 050-704	0110541 050-724	0114090	0117026 050-624	0115014 050-784	011279201 050-764
*SEH-80X GX-160 OLD	0112795 050-686	0112797 050-646	0112799 050-666	0118078 050-604	0118079 050-607	0112796 050-866	0113176 050-746	0110532 050-806	0110570 050-706	0110584 050-726	0110664 050-846	0117028 050-626	0115015 050-786	0113989 050-766
*SEH-80X GX-160 NEW	0112795 050-686	0112797 050-646	0112799 050-666	0118078 050-604	0118079 050-607	0112796 050-866	0114379 050-747	0114376 050-807	0110570 050-706	0110584 050-726	0110664 050-846	0117028 050-626	0115015 050-786	0113989 050-766
SEH-80X GX-160 BEJ	0112795 050-686	0112797 050-646	0112799 050-666	0118078 050-604	0118079 050-607	0115269	0114379 050-747	0116617	0110570 050-706	0110584 050-726	0114090	0117028 050-626	0115015 050-786	0113989 050-766
SEH-50T GX-120	0112578 050-684	0112662 050-644	0112665 050-664	0118078 050-604	0118078 050-604	0114027	0115169	0115168	0110556 050-704	0110541 050-724	0115159	0117026 050-624	0115014 050-784	011279201 050-764
SEH-80T GX-160	0112795 050-686	0112797 050-646	0112799 050-666	0118078 050-604	0118079 050-607	0112796 050-866	0115541	0115539	0110570 050-706	0110584 050-726	0115159	0117028 050-626	0115015 050-786	0113989 050-766
SERH-50B GX160	0114001 0114184 050-692	0114003 050-650	0112799 050-666	0118079 050-607	0118078 050-604	0110568 050-870	0112818 050-750	0112861 050-810	0114209 050-712	0110584 050-726	0110863 050-846		0115016 050-792	0113989 050-766
SERH-50 GX240		0114004 050-652	0112799 050-666	0118079 050-607	0118078 050-604	0110722 050-872	0112819 050-752	0112862 050-812	0114209 050-712	0110584 050-726	0110862 050-852		0115016 050-792	0113989 050-766

*Discontinued models – limited spare parts available.

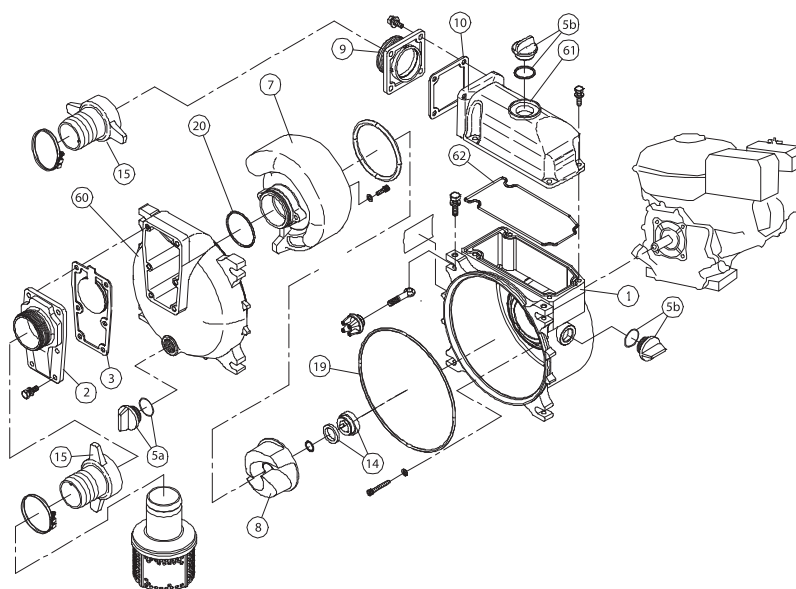


COMMON SPARE PARTS FOR ENGINE PUMPS

TRASH PUMP SPARES

C

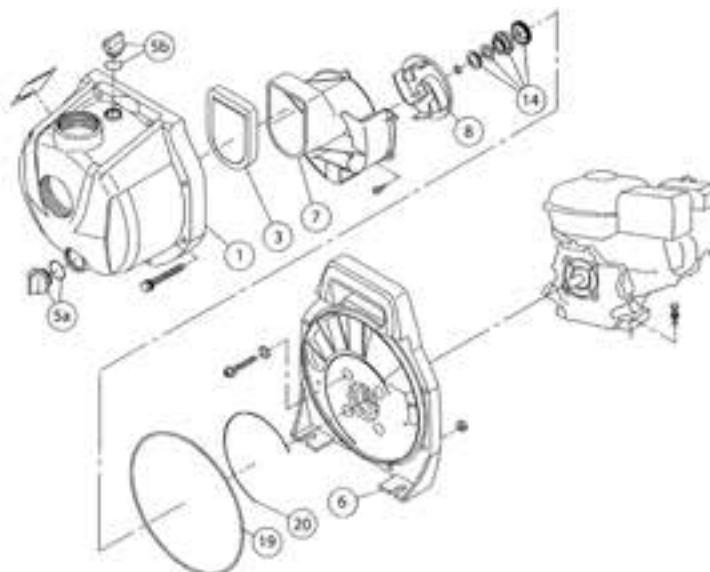
PART -	1	2	3	5a	5b	6	7	8	9	10	14	19	20	60	61	62
MODEL	PUMP CASE	SUCTION FLANGE	CHECK VALVE	DRAIN BUNG	FILLER BUNG	FLANGE BRACKET	VOLUTE	IMPELLER	DELIVERY FLANGE	GASKET	SEAL	O RING CASE	O RING VOLUTE	FRONT COVER	DELIVERY HOUSING	HEAD PACKING
KTH-50X	0115446	0115839	0115780	0118079 050-607	0118450 050-973	N/A	0115489	0115447	0115840	0115490	0115159	0115579	0115676	0115545	0115445	0115548
KTH-80X	0115546	0111573	0115692	0118079 050-607	0118450 050-973	N/A	0115559	0115558	0115838	0110584 050-726	0115678	0115579	0115676	0115545	0115547	0115548
KTH-100X	0116150	0116268	0118261	0118079 050-607	0118450 050-973	N/A	0116488	0115626	0116188	0110750	0115678	0115579	0116270	0116490	0116148	0115548



THERMOPLASTIC PUMP SPARES

C

PART -	1	2	3	5a	5b	6	7	8	9	10	14	19	20	60	61	62
MODEL	PUMP CASE	SUCTION FLANGE	CHECK VALVE	DRAIN BUNG	FILLER BUNG	FLANGE BRACKET	VOLUTE	IMPELLER	DELIVERY FLANGE	GASKET	SEAL	O RING CASE	O RING VOLUTE			
PGH-50	0130024	N/A	0130009	050-604	050-604	0130002	0130003	0130004	N/A	N/A	0130011	0130005	0130008	N/A	N/A	N/A



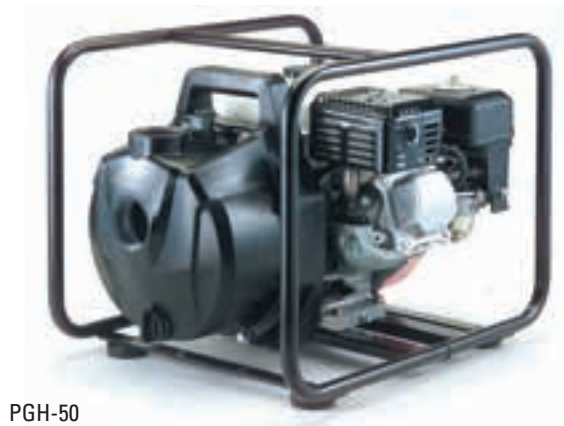
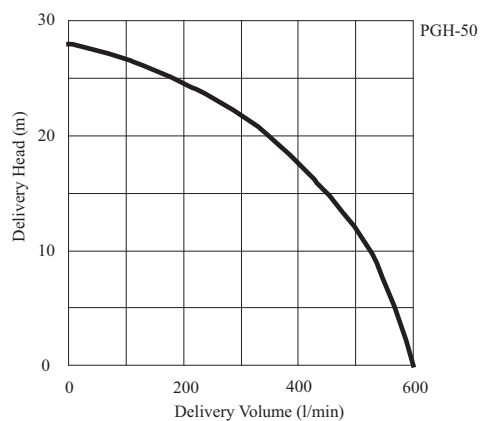
ENGINE DRIVEN PUMPS

PETROL POWERED THERMOPLASTIC PUMPS RECOIL START

C

Thermoplastic pumps with oil alert for salt water chemicals and fertilizers etc.

Model	Engine	Inlet/ Outlet	kg	W x L x H mm	Max l/min	Max Head/m	Code	Price
PGH-50	HONDA GX120 4.0hp	2" x 2"	22	506 x 402 x 476	600	28	050-024	



DIESEL POWERED THERMOPLASTIC PUMPS RECOIL START

C/W FULL CRASH FRAME & WHEEL KIT

C

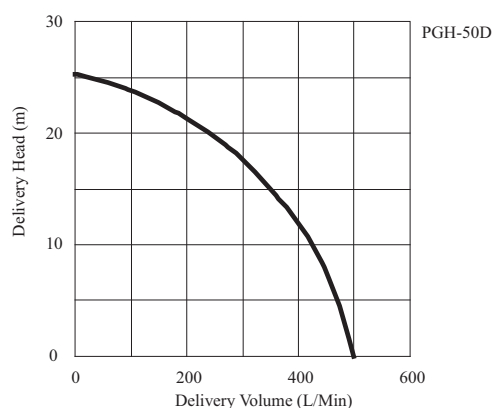
Model	Engine	Inlet/ Outlet	kg	W x L x H mm	Max l/min	Max Head/m	Code	Price
PGH-50D	ROBIN DY23 5.0hp	2" x 2"	50	700 x 800 x 710	480	22	050-024D-DY23	
PGH-50DHR	HATZ 1B20 5.0hp	2" x 2"	58	700 x 800 x 710	480	22	050-024DHR	

DIESEL POWERED THERMOPLASTIC PUMPS ELECTRIC START

C/W FULL CRASH FRAME & WHEEL KIT

C

Model	Engine	Inlet/ Outlet	kg	W x L x H mm	Max l/min	Max Head/m	Code	Price
PGH-50DHES	HATZ 1B20 5.0hp	2" x 2"	58	700 x 800 x 710	480	22	050-024DHES	



ENGINE DRIVEN PUMPS

DIESEL ENGINE POWERED DIESEL TRANSFER PUMPS RECOIL START C/W FULL CRASH FRAME & WHEEL KIT

C

MODEL	ENGINE	INLET/ OUTLET	KG	H x W x L mm	MAX l/min	MAX Head/m	CODE	PRICE
RED B2KQA HR	Hatz1B20 5.0hp	2"x2"	50	820x700x1030	420	20	070-200HR	
RED B3KQA HR	Hatz1B30 7.0hp	3"x3"	60	820x700x1030	870	17	070-300HR	

DIESEL ENGINE POWERED DIESEL TRANSFER PUMPS ELECTRIC START C/W FULL CRASH FRAME & WHEEL KIT

C

MODEL	ENGINE	INLET/ OUTLET	KG	H x W x L mm	MAX l/min	MAX Head/m	CODE	PRICE
RED B2KQA HE	Hatz1B20 5.0hp	2"x2"	50	820x700x1030	420	20	070-200HE	
RED B3KQA HE	Hatz1B30 7.0hp	3"x3"	60	820x700x1030	870	17	070-300HE	

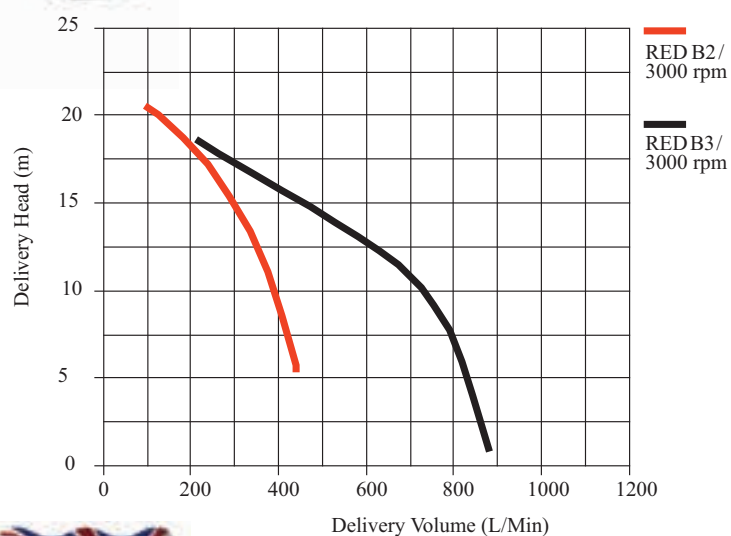


RED B2KQA HE

Heavy duty diesel powered self priming diesel transfer pump in full crash frame.

Spark arrestor available on request. POA.

Viton seals and o rings.



Require engine oil? See page 148

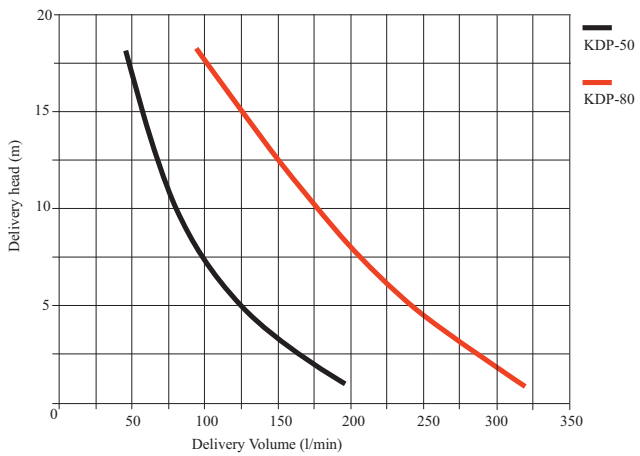
ENGINE DRIVEN PUMPS

HONDA PETROL POWERED DIAPHRAGM PUMPS
TROLLEY MOUNTED



Model	Engine	Inlet/ Outlet	kg	W x L x H mm	Max l/min	Working Head/m	Max Head/m	Code	Price
KDP-50X	GX120 4hp	2"	44	700x420x540	190	7	17	060-870	
KDP-80X	GX120 4hp/GX160 5.5hp	3"	60	700x420x540	330	7	17	060-880	

Quiet and reliable recoil start Honda overhead valve engine with a low oil sensor. Straight line flow design is self cleaning – eliminates clogging. Pump housing made of lightweight sand cast aluminium, standard wheel kit provides portability. Built to run dry without damage, perfect for areas of slow seepage. New narrow design allows access through doorways and easier storage.



KDP Honda Trolley Mounted



Electric Diaphragm Pumps available. Please call for details

ENGINE DRIVEN PUMPS

DIESEL POWERED DIAPHRAGM PUMPS RECOIL START

C

Model	Engine	Inlet/ Outlet	kg	H x W x L mm	Max l/min	Working Head/m	H/M	Code	Price
KDD-2R	Hatz 1B20 5.0hp	2"	91	620 x 450 x 1100	190	7	17	060-872	
KDD-3R	Hatz 1B20 5.0hp	3"	94	620 x 450 x 1100	330	7	17	060-882	

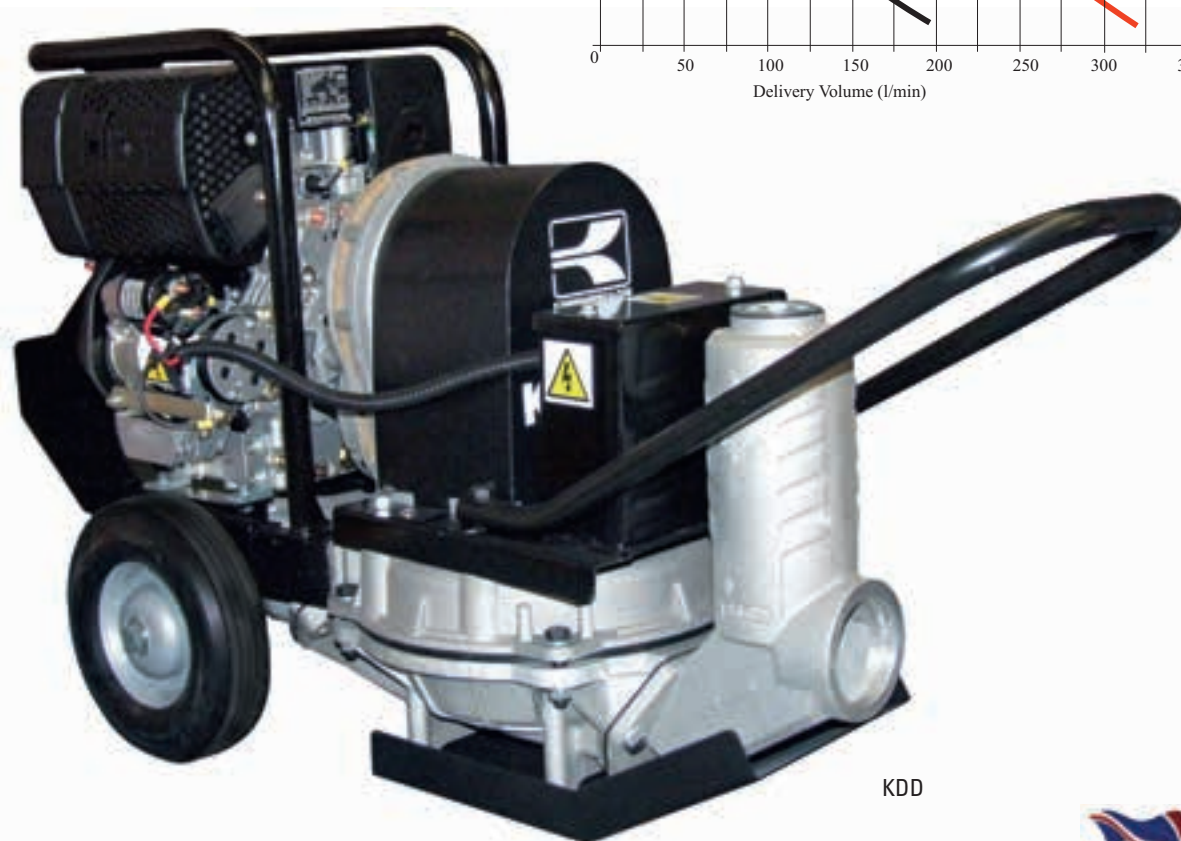
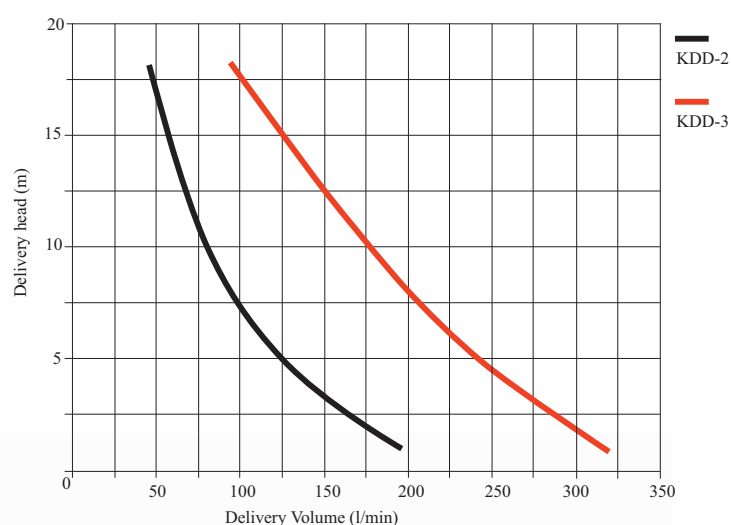
DIESEL POWERED DIAPHRAGM PUMPS ELECTRIC START

C

Model	Engine	Inlet/ Outlet	kg	H x W x L mm	Max l/min	Working Head/m	H/M	Code	Price
KDD-2E	Hatz 1B20 5.0hp	2"	94	620 x 450 x 1100	190	7	17	060-874	
KDD-3E	Hatz 1B20 5.0hp	3"	98	620 x 450 x 1100	330	7	17	060-884	

Diesel powered diaphragm pump complete with either a Hatz 1B20 recoil or electric start. Reliable straight line flow design – eliminates clogging. Pump housing made of lightweight sand-cast aluminium. Standard wheel kit provides portability. Built to run dry without damage, perfect for areas of slow seepage. New narrow design allows access through doorways and easier storage.

3" diesels come complete with crash frame and mud feet for site duty applications.



KDD

Electric Diaphragm Pumps available. Please call for details



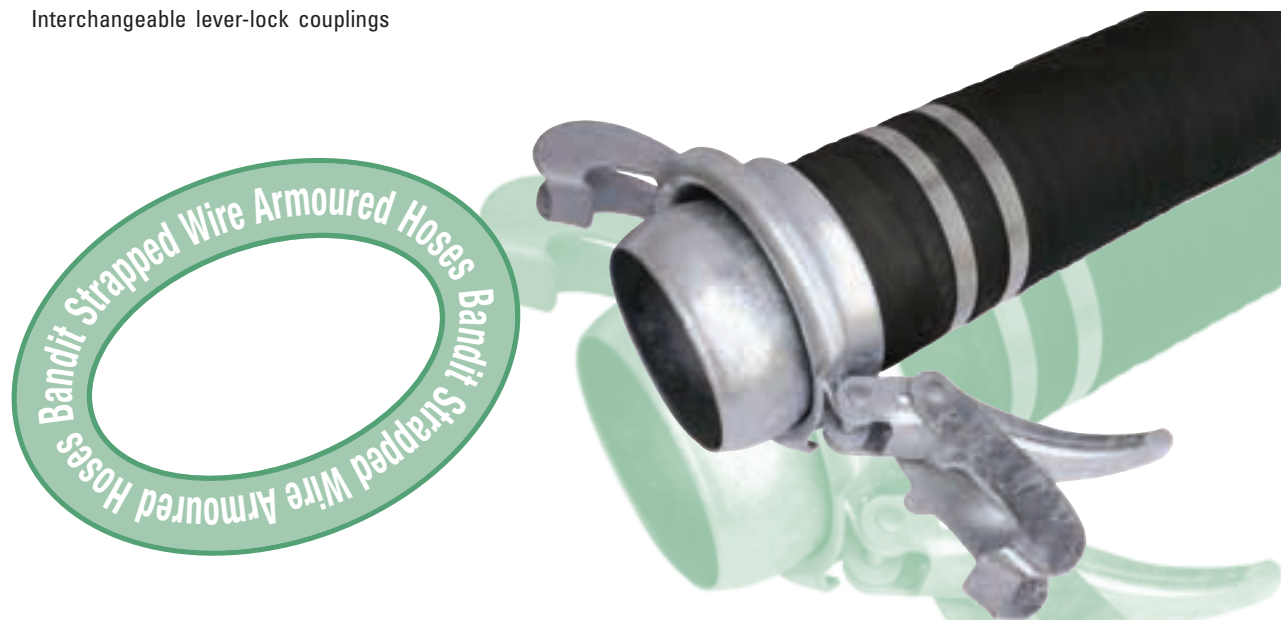
RUBBER SUCTION HOSE

10 BAR RUBBER WATER SUCTION/DELIVERY HOSE ASSEMBLIES BANDIT STRAPPED WIRE ARMoured HOSES CW COUPLINGS

A

SIZE	LENGTH	Kg	WORKING BAR	CODE	PRICE
3"	6 metres	25	10	030-470	
4"	6 metres	34	10	030-475	
4"	10 metres	57	10	030-477	
6"	3 metres	34	10	030-480	
6"	10 metres	114	10	030-482	
8"	3 metres	62	10	030-485	

Interchangeable lever-lock couplings



HOSE KITS INCLUDING CAMS AND CLIPS

A

KIT	CODE	PRICE
10m 2" layflat hose & 6m 2" suction hose	HK2-10	
10m 2" layflat hose & 6m 2" suction hose, Cams C & E with 2 x bolt clamps	HK2-10 & 2CAMS	
10m 2" layflat hose & 6m 2" suction hose, Cams A, C, D & E with 4 x bolt clamps	HK2-10 & 4CAMS	
20m 2" layflat hose & 6m 2" suction hose	HK2-20	
10m 3" layflat hose & 6m 3" suction hose	HK3-10	
10m 3" layflat hose & 6m 3" suction hose, Cams C & E with 2 x bolt clamps	HK3-10 & 2CAMS	
10m 3" layflat hose & 6m 3" suction hose, Cams A, C, D & E with 4 x bolt clamps	HK3-10 & 4CAMS	
20m 3" layflat hose & 6m 3" suction hose	HK3-20	
20m 3" layflat hose & 6m 3" suction hose, Cams A, C, D & E with 4 x bolt clamps	HK3-20 & 4CAMS	

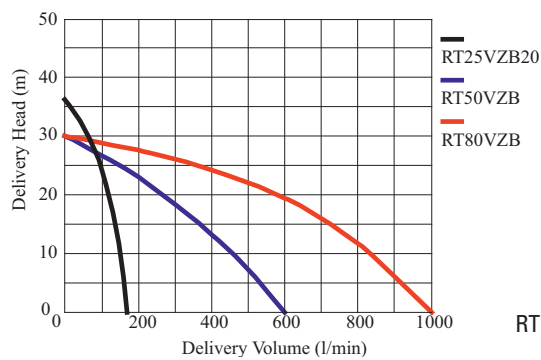


ENGINE DRIVEN PUMPS, VILLIERS POWERED

CENTRIFUGAL ENGINE PUMPS WITH OIL ALERT

C

Model	Engine	Inlet/ Outlet	kg	H x W x L mm	Max l/min	Max Head/m	Code	Price
RT25VZB20	G152V 2.5hp	1"	14	380 x 290 x 390	150	36	RT25VB20	
RT50VZB	G160V 5.5hp	2"	26	400 x 400 x 480	600	30	RT50VZB	
RT80VZB	G160V 5.5hp	3"	28	440 x 400 x 500	1000	30	RT80VZB	



RT25VZB20



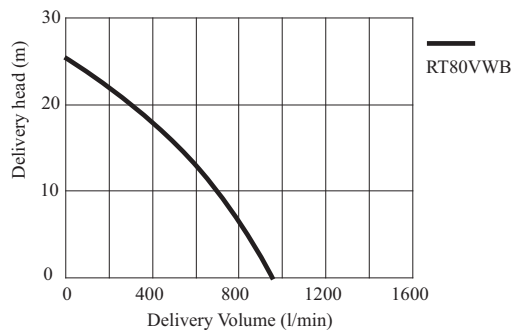
RT50VZB



TRASH DUTY ENGINE PUMP WITH OIL ALERT

C

Model	Engine	Inlet/ Outlet	kg	H x W x L mm	Max l/min	Max Head/m	Code	Price
RT80VWB	G200V 6.5hp	3"	36	470 x 440 x 560	950	26	RT80VWB	



RT80VWB

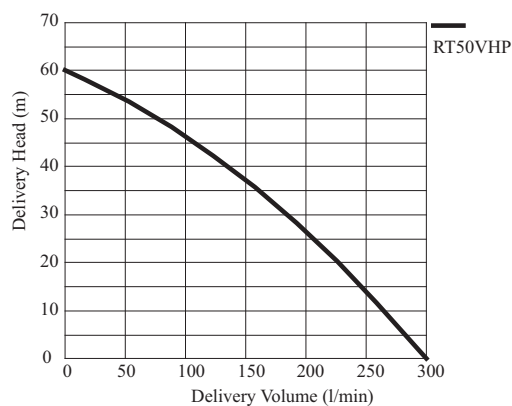


RT80VWB

HIGH PRESSURE ENGINE PUMP WITH OIL ALERT

C

Model	Engine	Inlet/ Outlet	kg	W x L x H mm	Max l/min	Max Head/m	Code	Price
RT50VHP	G200V 6.5hp	2"	36	390 x 475 x 400	300	60	RT50VHP	



RT50VHP



RT50VHP



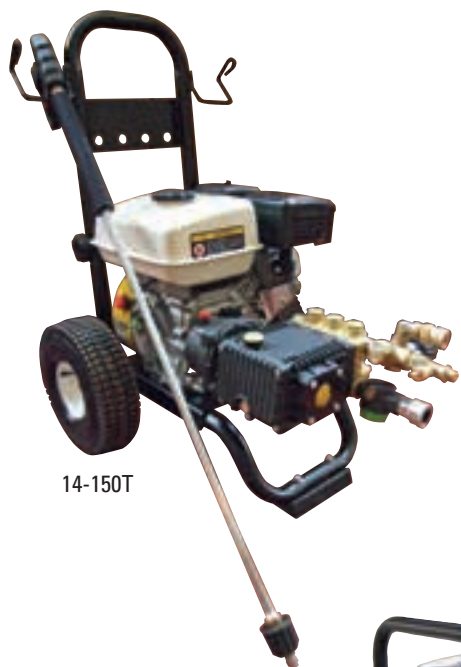
Require engine oil? See page 148

PRESSURE WASHERS

PETROL ENGINE DRIVEN PRESSURE WASHERS

A

MODEL	KG	H x W x L	HP	LM/BAR	ENGINE	INTERPUMP	GEARBOX	DIRECT	CODE	PRICE
RX710	34	880 x 520 x 560	5.5	10/150	G160V	RX710	—		700-1403	
8-100T	40	800 x 520 x 560	5.5	8/100	G160V	WW906CVB	—		700-1142	
8-100F	40	380 x 350 x 470	5.5	8/100	G160V	WW906CVB	—		700-1142F	
14-150T	43	800 x 520 x 790	6.5	14/150	G200V	SA154		-	700-1099	
21-200T	72	840 x 600 x 920	13	21/200	G390V	SA202		-	700-1145	



14-150T



8-100F



RX710



8-100T



Engine driven pressure washers complete with filtration system, quick release couplings on all hoses, detergent application as standard, model 8-100 has an 800mm lance, 14-150 & 21-200 have a 900mm lance, wash gun with swivel and high pressure hose



ACCESSORIES

SUPER ELASTIC MEDIUM DUTY HOSE

A

MODEL	LENGTH	KG	WORKING BAR	BURST BAR	CODE	PRICE
1" 25mm	10m	4.8	7	20	030-342	
1" 25mm	30m	14.4	7	20	030-344	
1¼" 32mm	10m	5.8	6	17	030-346	
1¼" 32mm	30m	17.4	6	17	030-348	
1½" 38mm	10m	6.7	5	16	030-350	
1½" 38mm	30m	20.1	5	16	030-352	
2" 51mm	10m	9.8	5	15	030-354	
2" 51mm	30m	29.4	5	15	030-356	
2½" 63mm	10m	13.5	4.5	14	030-358	
2½" 63mm	30m	40.5	4.5	14	030-360	
3" 76mm	10m	17	4	12	030-362	
3" 76mm	30m	51	4	12	030-364	
4" 102mm	10m	26	3.5	10	030-366	
4" 102mm	30m	78	3.5	10	030-368	
6" 152mm	10m	50	3	9	030-370	
6" 152mm	30m	150	3	9	030-372	

Strong, flexible and smooth, special super elastic material. For medium duty suction and delivery of water, salt water, light chemicals, liquids in agricultural and industrial applications, sewer purging, sludge, slurries, waste matter, sand and gravel, especially for use in cold climates. This hose will almost lay where you leave it and not try to coil itself back up again.

Sold in 10 and 30 metre coils



ACCESSORIES

Full Spec High Quality Suction Hose manufactured for use as Suction and Delivery Hose with High Pressure and Vacuum Resistance. Sold by the coil or cut to size.

SUCTION & DELIVERY HOSE



**For Hose
Accessories**
See Pages
144 – 147

$\frac{3}{4}$ " 20mm

Length	KG	Working Bar	Burst Bar	Code	Price
Cut p/metre	0.3	6	21	030-320	
30m	8.4	6	21	030-321	

1" 25mm

Length	KG	Working Bar	Burst Bar	Code	Price
Cut p/metre	0.48	8	24	030-322	
5m	2.4	8	24	030-380	
10m	4.8	8	24	030-400	
20m	9.6	8	24	030-402	
30m	14.4	8	24	030-404	
50m	24	8	24	030-406	

$1\frac{1}{4}$ " 30mm

Length	KG	Working Bar	Burst Bar	Code	Price
30m	17.4	7	21	030-414	

$1\frac{1}{4}$ " 32mm

Length	KG	Working Bar	Burst Bar	Code	Price
Cut p/metre	0.58	7	21	030-324	
6m	3.5	7	21	030-408	
10m	5.8	7	21	030-410	
20m	11.6	7	21	030-412	
30m	17.4	7	21	030-415	
50m	29	7	21	030-416	

$1\frac{1}{2}$ " 38mm

Length	KG	Working Bar	Burst Bar	Code	Price
Cut p/metre	0.67	6	18	030-326	
10m	6.7	6	18	030-424	
30m	20.1	6	18	030-422	

ACCESSORIES

Full Spec High Quality Suction Hose manufactured for use as Suction and Delivery Hose with High Pressure and Vacuum Resistance. Sold by the coil or cut to size.

SUCTION & DELIVERY HOSE



**For Hose
Accessories**
See Pages
144 – 147

2" 50mm

Length	KG	Working Bar	Burst Bar	Code	Price
Cut p/metre	1	6	18	030-328	
6m	6	6	18	030-390	
10m	10	6	18	030-426	
20m	20	6	18	030-428	
30m	30	6	18	030-430	
50m	50	6	18	030-432	

2½" 65mm

Length	KG	Working Bar	Burst Bar	Code	Price
Cut p/metre	1.4	5	15	030-329	
10m	14	5	15	030-436	
30m	42	5	15	030-438	

3" 76mm

Length	KG	Working Bar	Burst Bar	Code	Price
Cut p/metre	1.8	4	12	030-330	
6m	10.8	4	12	030-439	
10m	18	4	12	030-440	
20m	36	4	12	030-442	
30m	54	4	12	030-444	

4" 102mm

Length	KG	Working Bar	Burst Bar	Code	Price
Cut p/metre	2.6	4	12	030-332	
6m	15.5	4	12	030-447	
10m	26	4	12	030-448	
20m	52	4	12	030-450	
30m	78	4	12	030-452	

6" 155mm

Length	KG	Working Bar	Burst Bar	Code	Price
Cut p/metre	5.1	3	9	030-334	
20m	102	3	9	030-458	

ACCESSORIES

LAYFLAT DELIVERY HOSE



**For Hose
Accessories
See Pages
144 – 147**

1" 25mm SILVER LINE

Length	KG	Working Bar	Burst Bar	Code	Price
Cut p/metre	0.165	7	21	030-300	
10m	1.65	7	21	SH1-010	
20m	3.3	7	21	SH1-020	
50m	8.4	7	21	SH1-050	
100m	16.5	7	21	SH1-100	

1 1/4" 30mm SILVER LINE

Length	KG	Working Bar	Burst Bar	Code	Price
Cut p/metre	0.2	7	21	030-302	
10m	2	7	21	SH14-010	
20m	4	7	21	SH14-020	
50m	10	7	21	SH14-050	
100m	20	7	21	SH14-100	

1 1/2" 38mm SUNNY HOSE

Length	KG	Working Bar	Burst Bar	Code	Price
Cut p/metre	0.15	5	15	030-304	
10m	1.5	5	15	SH15-010	
20m	3	5	15	SH15-020	
50m	8	5	15	SH15-050	
100m	15	5	15	SH15-100	

2" 50mm SUNNY HOSE

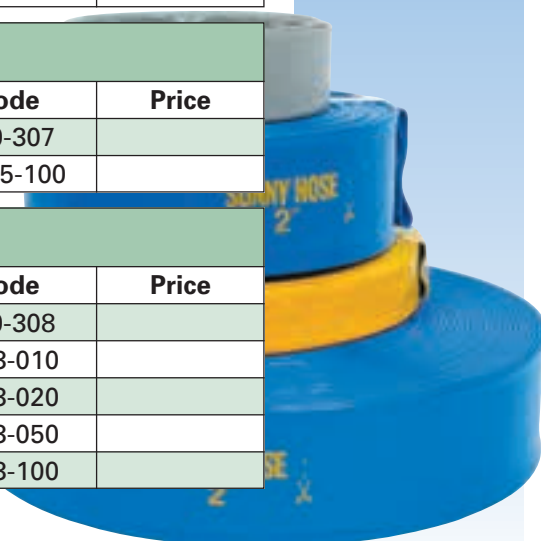
Length	KG	Working Bar	Burst Bar	Code	Price
Cut p/metre	0.27	4.5	13.5	030-306	
10m	2.7	4.5	13.5	SH2-010	
20m	5.4	4.5	13.5	SH2-020	
30m	8.1	4.5	13.5	SH2-030	
50m	13.5	4.5	13.5	SH2-050	
100m	27	4.5	13.5	SH2-100	

2 1/2" 65mm SUNNY HOSE

Length	KG	Working Bar	Burst Bar	Code	Price
Cut p/metre	0.39	4	12	030-307	
100m	39	4	12	SH25-100	

3" 76mm SUNNY HOSE

Length	KG	Working Bar	Burst Bar	Code	Price
Cut p/metre	5.4	4	12	030-308	
10m	5.4	4	12	SH3-010	
20m	10.8	4	12	SH3-020	
50m	26.5	4	12	SH3-050	
100m	53	4	12	SH3-100	



ACCESSORIES

LAYFLAT DELIVERY HOSE



**For Hose
Accessories**
See Pages
144 – 147

4" 102mm SUNNY HOSE

Length	KG	Working Bar	Burst Bar	Code	Price
Cut p/metre	0.78	4	12	030-310	
10m	7.8	4	12	SH4-010	
20m	15.6	4	12	SH4-020	
30m	23.4	4	12	SH4-030	
50m	36	4	12	SH4-050	
100m	72	4	12	SH4-100	

6" 155mm SUNNY HOSE

Length	KG	Working Bar	Burst Bar	Code	Price
Cut p/metre	1.2	3	9	030-312	
50m	60	3	9	SH6-050	
100m	117.5	3	9	SH6-100	

8" 200mm SUNNY HOSE

Length	KG	Working Bar	Burst Bar	Code	Price
Cut p/metre	1.2	3	9	030-314	
100m	178	3	9	SH8-100	

10" 250mm SUNNY HOSE

Length	KG	Working Bar	Burst Bar	Code	Price
Cut p/metre	1.2	2.5	7.5	030-316	
100m	265	2.5	7.5	SH10-100	

12" 300mm SUNNY HOSE

Length	KG	Working Bar	Burst Bar	Code	Price
Cut p/metre	1.2	2	6	030-318	
100m	291	2	6	SH12-100	

HI SUNNY HOSE

- Heavy duty layflat hose
- Higher burst pressure
- Greater resistance to abrasion
- Stronger durability

4" 102mm HI SUNNY HOSE

Length	KG	Working Bar	Burst Bar	Code	Price
50m	44	6	18	SH4-050HI SUN	
100m	16.5	6	18	SH4-100HI SUN	

6" 155mm HI SUNNY HOSE

Length	KG	Working Bar	Burst Bar	Code	Price
50m	74	6	18	SH6-050HI SUN	
100m	149	6	18	SH6-100HI SUN	

SELF PRIMING CONTRACTOR PUMPS

BARE SHAFT UNITS COMPLETE WITH PULLEY

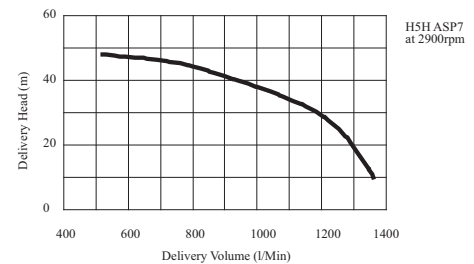
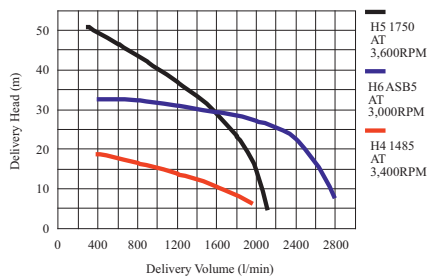
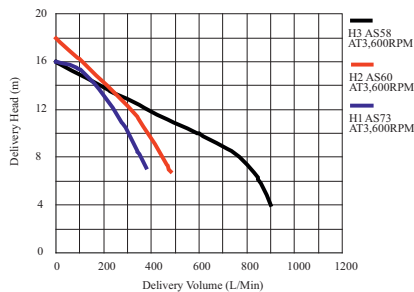
B

MODEL	PORT	PULLEY	KG	H x W x L mm	LM/HM @2900rpm	kW	CODE	PRICE
H1 AS73	1½"	100 x 2A	13	300 x 183 x 250	275/15	0.75	070-140	
H2 AS60	2"	100 x 2A	15	300 x 185 x 275	450/18	1.5	070-142	
H3 AS58	3"	100 x 2A	17	300 x 185 x 295	850/15	2.2	070-144	
H4 1485	4"	100 x 2A	55	405 x 315 x 485	1520/15	4	070-146	
H5 1750★	3"	100 x 2A	51	400 x 280 x 450	1400/28	7.5	070-148	
H5H ASP7★	3"	100 x 2A	52	409 x 285 x 480	870/48	9.2	070-ASP7	
H6 ASB5★	4"	100 x 2A	65	450 x 365 x 505	2050/28	15	070-ASB5	



Self priming pump complete with pulley. Suitable for pumping clean or slightly dirty water. Not suitable for pumping abrasives. A non-return valve is fitted on the inlet of the pump body to avoid the loss of water after the pump has stopped, making it easier to prime when the pump starts again. Maximum suction depth of 6 metres and a maximum liquid temperature of 60°C. Pump casing, inlet flange and impeller are made from cast iron. Stainless steel shaft. Carbon mechanical seal. High pressure versions, trash duty versions and bronze versions are available.

★ Available upon request.



P.T.O. POWERED

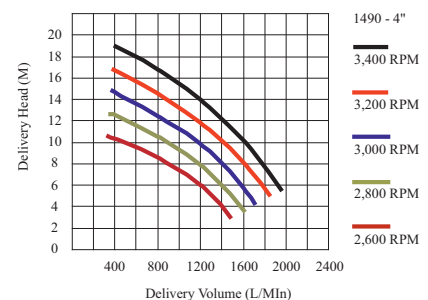
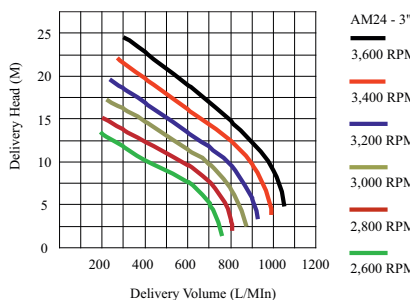
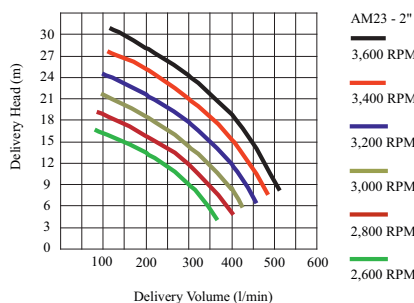
B

MODEL	PORT	RATIO	KG	H x W x L mm	LM/HM	kW	CODE	PRICE
PTO AM23	2"	1:7.8	20	388 x 218 x 395	650/34@4000rpm	4	070-134	
PTO AM24	3"	1:7.8	22	388 x 218 x 428	1200/30@4000rpm	5.8	070-136	
PTO AM60	4"	1:6.9	64	490 x 315 x 597	2000/18@3600rpm	7.7	070-138	

Self priming pump with gearbox for connecting to tractors by a universal joint. Suitable for pumping clean or slightly dirty water. Not suitable for pumping abrasives. A non-return valve is fitted on the inlet of the pump body to avoid the loss of water after the pump has stopped, making it easier to prime when the pump starts again. Maximum suction depth of 6 metres and a maximum liquid temperature of 60°C. Pump casing, inlet flange and impeller are made from cast iron. Stainless steel shaft. Carbon mechanical seal.

High pressure versions, trash duty versions and bronze versions are available upon request.

Also available with hydraulic motor.



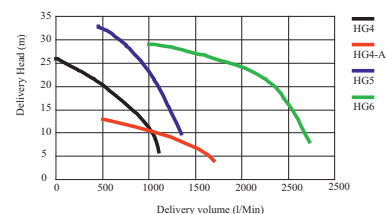
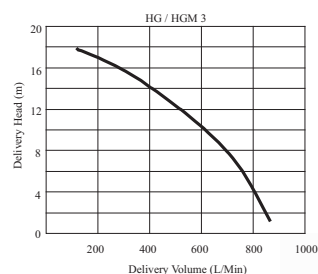
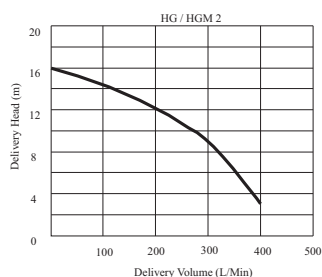
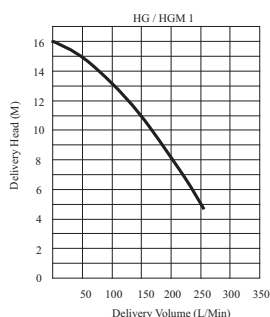
SELF PRIMING CONTRACTOR PUMPS

HEAVY DUTY CAST IRON SELF PRIMING PUMPS ELECTRIC MOTOR DRIVE

B

MODEL		VOLTAGE	PORT	MAX SOLIDS	KG	H x W x L mm	LM/HM	kW	CODE	PRICE
B1½KQA EA5V	(HGM-1)	230v	1½"	6mm	20.5	285 x 185 x 375	275/15	0.75	070-110	
B2KQA 2757	(HGM-2)	230v	2"	8mm	22	300 x 185 x 410	390/16	1.1	070-112	
B2KQA EA3C	(HGM-2)	110v	2"	8mm	22	300 x 185 x 410	390/16	1.5	070-114	
B2KQA EA3C FR	(HGM-2)	110v	2"	8mm	28	385 x 430 x 550	390/16	1.5	070-114 FR	
B2KQA EA3C SAC	(HGM-2)	110v	2"	8mm	35	1300 x 555 x 470	390/16	1.5	070-114 SAC	
B3KQA 1780	(HGM-3)	230v	3"	10mm	31.5	300 x 185 x 445	775/15	2.2	070-116	
B1½KQA EA5Z	(HG-1)	415v	1½"	6mm	20.5	285 x 185 x 375	275/15	0.75	070-120	
B2KQA 2761	(HG-2)	415v	2"	10mm	24	300 x 185 x 410	450/18	1.5	070-122	
B3KQA 1226	(HG-3)	415v	3"	10mm	31.5	300 x 185 x 445	775/15	2.2	070-124	
B4KQA EAFE	(HG-4A)	415v	4"	20mm	84	400 x 315 x 670	1520/15	4	070-125	
B3XR/A EADM	(HG-4)	415v	3"	12mm	96	405 x 280 x 650	1370/24	5.5	070-126	
B3XR/A EAHA	(HG-5)	415v	3"	15mm	104	405 x 280 x 650	1400/28	7.5	070-128	
B4XR/A EAFN	(HG-6)	415/690v	4"	25mm	228	455 x 365 x 800	2050/28	15	070-130	

Self priming electric pump with multi blade impeller, suitable for pumping clean or slightly dirty water. Not suitable for pumping abrasives. A non-return valve is fitted on the inlet of the pump body to avoid the loss of water after the pump has stopped, making it easier to prime when the pump starts again. Maximum suction depth of 6 metres and a maximum liquid temperature of 60°C. Pump casing, inlet flange and impeller are made from cast iron. Stainless steel shaft. Carbon mechanical seal. High pressure versions are available upon request. Models 4Kw and above now come on a skid plate.



B2KQA FR 110v shown in frame with isolator



B2KQA SAC shown on sack trolley with isolator



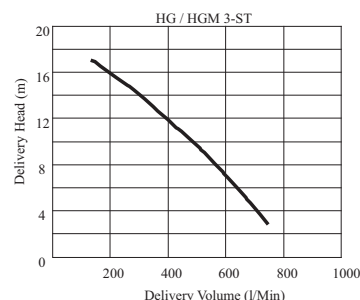
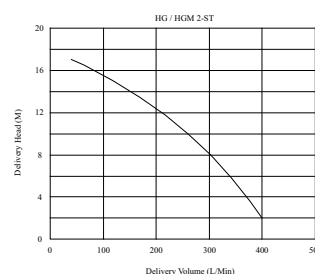
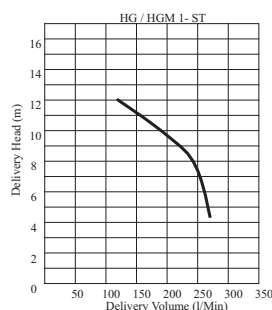
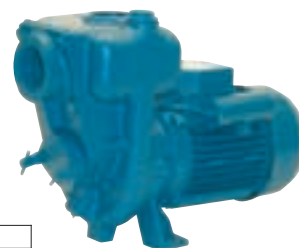
SELF PRIMING CONTRACTOR PUMPS

TRASH DUTY, SELF PRIMING AND SOLIDS HANDLING REMOVABLE INSPECTION COVER, SIC SEAL AND REPLACEABLE WEAR PLATE

B

MODEL	VOLTAGE	PORT	MAX SOLIDS	KG	H x W x L mm	LM/HM	kW	CODE	PRICE
B1½KQA-ST EA6E (HGM1-ST)	230v	1½"	12mm	12	285 x 185 x 375	270/12	0.75	070-001	
B2KQA-ST EAR3 (HGM2-ST)	230v	2"	14mm	24.5	300 x 185 x 375	440/17	1.5	070-002	
B3KQA-ST EAR5 (HGM3-ST)	230v	3"	26mm	32	300 x 185 x 445	775/15	2.2	070-003	
B2KQA-ST EAR4 (HG2T-ST)	415v	2"	14mm	24.5	300 x 185 x 375	440/17	1.5	070-004	
B3KQA-ST EAR6 (HG3T-ST)	415v	3"	26mm	32	300 x 185 x 445	775/15	2.2	070-005	
B3XRA-ST EANH	415v	3"	24mm	97.5	470 x 360 x 800	1370/24	5.5	070-008	

Self priming electric pump with three blade impeller, suitable for pumping dirty water. This version is provided with an inspection door to remove any blockages that may occur, a wear disc made from stainless steel. A non-return valve is fitted on the inlet of the pump body to avoid the loss of water after the pump has stopped, making it easier to prime when the pump starts again. Maximum suction depth of 6 metres and a maximum liquid temperature of 60°C. Pump casing, inlet flange and impeller are made from cast iron. Stainless steel shaft. Silicon carbide seal. High pressure versions are available upon request.



STAINLESS STEEL SELF PRIMING PUMPS ELECTRIC MOTOR DRIVE

B

MODEL	PORT	MAX SOLIDS	KG	H x W x L mm	LM/HM	kW	CODE	PRICE
EA7G★ 230v	2"	16mm	23.5	300 x 185 x 410	440/18	1.5	070-EA7G	
EA7E★ 415v	2"	16mm	23.5	300 x 185 x 410	440/18	1.5	070-EA7E	
EALT★ 415v	3"	19mm	82	400 x 280 x 635	750/31	4	070-EALT	
EALR★ 415v	3"	24mm	99	405 x 280 x 650	1320/24	5.5	070-EALR	
EALS★ 415v	3"	24mm	107	405 x 280 x 650	1400/28	7.5	070-EALS	

Self priming electric pump suitable for pumping acidic waters, sewage, transferring dilute acid, pumping fruit juice or fluid food stuff. This version is provided with an inspection door to remove any blockages that may occur. A non-return valve is fitted on the inlet of the pump body to avoid the loss of water after the pump has stopped, making it easier to prime when the pump starts again. Maximum suction depth of 6 metres and a maximum liquid temperature of 60°C. Pump casing, inlet flange and impeller and shaft are made from stainless steel. Silicon carbide seal.



BRONZE SELF PRIMING PUMPS ELECTRIC MOTOR DRIVE

B

MODEL	PORT	MAX SOLIDS	KG	H x W x L mm	LM/HM	kW	CODE	PRICE
EAS8 230v	2"	16mm	25	300 x 185 x 410	450/18	1.5	070-020	
EAT1 230v	3"	25mm	33	300 x 185 x 410	775/15	2.2	070-022	
EAS9 415v	2"	16mm	25	300 x 185 x 410	450/18	1.5	070-024	
EAT2 415v	3"	25mm	33	300 x 185 x 445	775/15	2.2	070-026	
EAL★ 415v	4"	35mm	87	405 x 315 x 670	1520/15	4	070-EAL	

Self priming electric pump in bronze with open impeller that allows the passage of large solids. Suitable for pumping sea water and the circulation of swimming pools. A non-return valve is fitted on the inlet of the pump body to avoid the loss of water after the pump has stopped, making it easier to prime when the pump starts again. Maximum suction depth of 6 metres and a maximum liquid temperature of 60°C. Pump casing, inlet flange and impeller are made from bronze. Stainless steel shaft. Carbon mechanical seal. High pressure/high volume versions are available.

★ Available upon request.



SELF PRIMING CONTRACTOR PUMPS

CAST IRON SELF PRIMING PUMPS HIGH HEAD

B

MODEL	VOLTAGE	PORT	MAX SOLIDS	KG	H x W x L mm	LM/HM	kW	CODE	PRICE
G2TMK-A M EAEN	230v	2"	5mm	35	300 x 185 x 410	315/26	1.5	070-EAEN	
G2TMK-A T EB53	415v	2"	5mm	35	300 x 185 x 410	315/26	1.5	070-EB53	
G2TMK-A M EAEL	230v	2"	5mm	37	316 x 230 x 450	450/37	2.2	070-EAEL	
G2TMK-A T EADT	415v	2"	5mm	37	316 x 230 x 450	450/37	2.2	070-EADT	
G2TMK-A EAT8	415v	2"	5mm	37	285 x 220 x 375	400/33	3.0	070-EAT8	
G3TMK-A EAMV★	415/690v	3"	8mm	83	450 x 360 x 700	820/35	4.0	070-EAMV	
G3TMK-A EADH★	415/690v	3"	10mm	99	470 x 360 x 800	720/36	5.5	070-EADH	
G3TMK-A EAHD★	415/690v	3"	13mm	105	470 x 360 x 800	870/44	7.5	070-EAHD	
G3TMK-A EANB★	415/690v	3"	14mm	113	470 x 360 x 800	870/48	9.2	070-EANB	
G3TMK-A EAFL★	415/690v	3"	16mm	202	506 x 470 x 1000	1030/52	11	070-EAFL	
B3ZPM-A EAMS★	415/690v	3"	6mm	210	530 x 470 x 1000	960/60	15	070-EAMS	
B3ZPM-A EAH0★	415/690v	3"	14mm	247	530 x 470 x 1000	1080/65	19	070-EAH0	
B3ZPM-A EAH1★	415/690v	3"	19mm	275	530 x 470 x 1000	1120/75	22	070-EAH1	

Self-priming pump with open impeller suitable for pumping clean or slightly dirty water with **no abrasives**. A non-return valve is fitted on the inlet of the pump to avoid the loss of water after the pump has stopped, making it easier to prime when the pump starts again. Maximum suction depth of 6 metres and a maximum liquid temperature of 70°C. Stainless steel shaft, carbon mechanical seal.

Models 4kW and above come assembled on a skid plate.

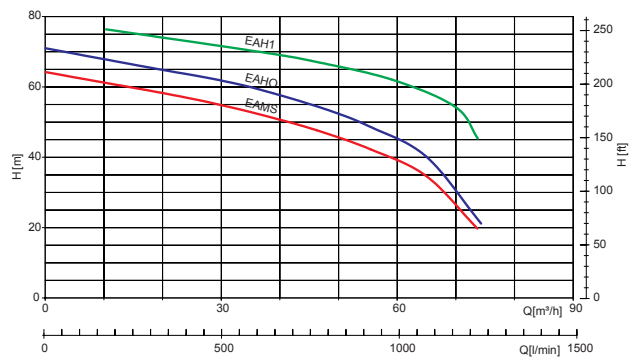
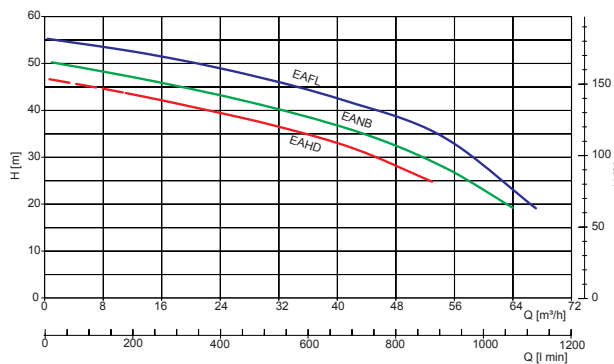
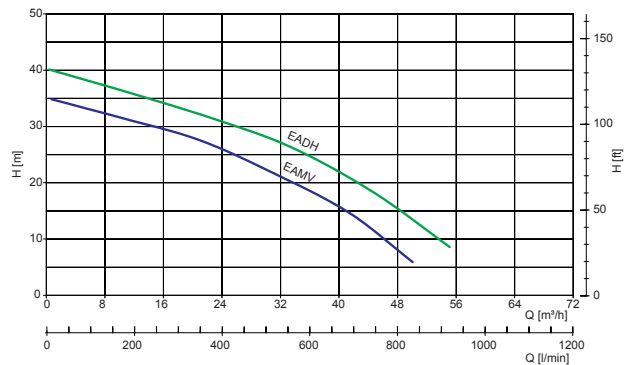
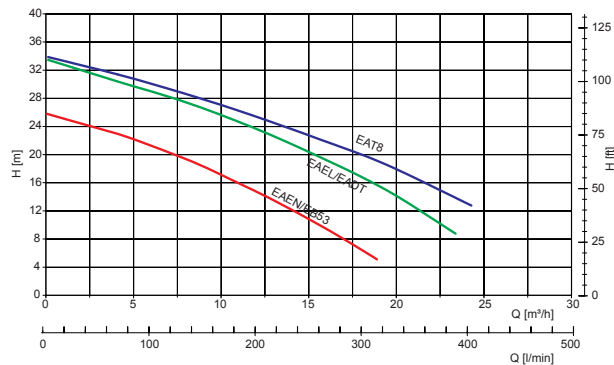
★AVAILABLE TO ORDER.



GMP G2TMK



GMP G3TMK



SURFACE PUMPS



Fuel Oil "Red"
B2KQA Red Diesel Transfer Pump
NOW AVAILABLE IN 110V
(See page 85)



Fuel Oil "Red"
B2KQA RED ATEX
(See page 85)



B2KQA 110v fitted on
sack trolley with isolator
(See page 81)



B2KQA 110v fitted in crash frame with isolator
(See page 81)

SELF PRIMING CONTRACTOR PUMPS

FUEL OIL "RED" HIGH VOLUME DIESEL FUEL TRANSFER PUMP

B

MODEL	PORT	KG	H x W x L mm	LM/HM	kW	CODE	PRICE
RED EA2L 230v	1"	15	285 x 216 x 375	120/12	0.55	070-168	
RED 3516 230v	1½"	20	300 x 180 x 375	325/15	0.75	070-3516	
RED EA2V 230v	2"	21	300 x 185 x 410	500/15	1.5	070-166	
RED EB49 110v	2"	25	300 x 185 x 410	390/16	2.2	070-159	
RED EA9C 230v	3"	30	300 x 185 x 445	700/15	2.2	070-EA9C	
RED EA2M 415v	1"	15	285 x 216 x 375	120/12	0.55	070-169	
RED 3501 415v	1½"	20	300 x 180 x 375	325/15	0.75	070-163	
RED EA1S 415v	2"	21	300 x 185 x 410	500/15	1.5	070-167	
RED EAM7 415v	3"	30	300 x 185 x 445	700/15	2.2	070-165	
RED EANS 415v	3"	74	400 x 280 x 635	900/22	4.0	070-EANS	

Self priming electric pump with open impeller to transfer fuels. Suitable for pumping diesel, gas oil, paraffin. NOT FOR PUMPING PETROL. A non-return valve is fitted on the inlet of the pump body to avoid the loss of liquid after the pump has stopped, making it easier to prime when the pump starts again. Maximum suction depth of 6 metres and a maximum liquid temperature of 60°C. Pump casing, inlet flange and impeller are made from cast iron. Stainless steel shaft. Viton mechanical seal and Viton check valve.

FUEL OIL "RED" COMPLETE WITH FLAME PROOF MOTOR

B

MODEL	PORT	KG	H x W x L mm	LM/HM	kW	CODE	PRICE
RED EAZ3★ 230v	1½"	15.5	300 x 255 x 495	325/15	0.75	070-EAZ3	
RED EA9D★ 230v	2"	27	300 x 280 x 520	500/15	1.5	070-EA9D	
RED EA9E★ 230v	3"	50	300 x 280 x 550	700/15	2.2	070-EA9E	
RED 2140★ 415v	1½"	40	300 x 255 x 495	325/15	0.75	070-2140	
RED 2141★ 415v	2"	27	300 x 280 x 520	500/15	1.5	070-2141	
RED 2138★ 415v	3"	50	300 x 280 x 550	700/15	2.2	070-2138	
RED 2139★ 415v	3"	112	400 x 335 x 685	900/22	4	070-2139	

Self priming electric pump with flame proof motor for the transfer of fuels. Open impeller suitable for pumping diesel, gas oil, paraffin. NOT FOR PUMPING PETROL. A non-return valve is fitted on the inlet of the pump body to avoid the loss of liquid after the pump has stopped, making it easier to prime when the pump starts again. Maximum suction depth of 6 metres and a maximum liquid temperature of 60°C. Pump casing, inlet flange and impeller are made from cast iron. Stainless steel shaft. Viton mechanical seal and Viton check valve.

Manufactured in accordance with standards ATEX 94/9/CE. (II 2G Ex d IIC T4)

★ Available upon request

DIESEL ENGINE DRIVEN DIESEL TRANSFER PUMPS

Available in 2" or 3"

Hatz engines

For more information on these models see page 69



Fuel Oil "Red"



Fuel Oil "Red"



94/9/CE

SURFACE MOUNTED PUMPS

PERIPHERAL TURBINE PUMPS 1" INLET/OUTLET

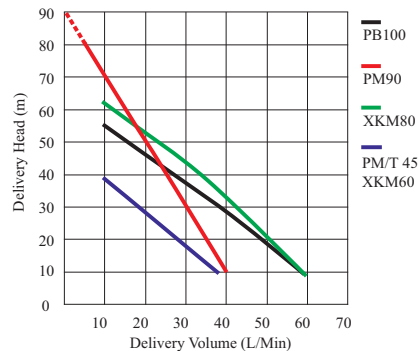
E

MODEL	MATERIAL	VOLT	KG	H x W x L mm	LM/HM	kW	CODE	PRICE
XKM60	CAST IRON	230v	6.2	152 x 130 x 260	40/40	0.37	LEO XKM60	
XKM80	CAST IRON	230v	9.0	180 x 140 x 295	60/70	0.75	LEO XKM80	
PM45	BRASS	230v	6.2	155 x 125 x 265	40/40	0.37	022-020	
PM45	BRASS	110v	6.2	155 x 125 x 265	40/40	0.37	022-023	
PMT45	BRASS	415v	6.2	155 x 125 x 265	40/40	0.37	022-024	
PB100	BRASS	230v	8.2	280 x 140 x 170	52/55	0.6	022-040	
PB100	BRASS	415v	8.2	280 x 140 x 170	52/55	0.6	022-044	
PM90	CAST IRON	230v	10.5	172 x 150 x 286	40/90	0.74	022-050	
PMT90	CAST IRON	415v	10.5	172 x 150 x 286	40/90	0.74	022-052	

The PM45/PB100 range are peripheral turbine pumps, made to develop high pressure with limited flow rates. The pump impeller and pump casing are made of brass.

The XKM60 & PM/T90 pump impeller made of brass, pump body cast iron.

Clean water only with a maximum temp of 70°C. Used mainly for water pressure boosting of small scale booster systems and washing systems.



XKM60



PM45



PB100

CM CENTRIFUGAL PUMPS – MEDIUM DUTY, LOW PRESSURE 1" INLET/OUTLET

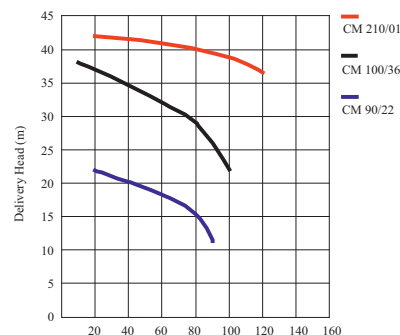
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MODEL	KG	H x W x L mm	LM/HM	kW	CODE	PRICE
CM 50 230v	8	202 x 160 x 267	90/22	0.59	022-110	
CM 100-51 230v	12.6	232 x 185 x 310	100/36	1.16	022-120	
CMT 210 415v	23	285 x 225 x 348	120/44	2.43	022-140	

High flow, low pressure pumps.

Clean water use with no abrasives.

CM 50 has a technopolymer impeller and a max temp rating of 50°C. CM 100-51 has a brass impeller and a max rating of 90°C.



CM 50

CR100 CENTRIFUGAL PUMPS

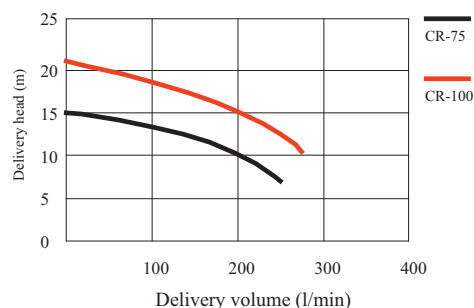
OPEN IMPELLER – HIGH FLOW – 10mm SOLIDS HANDLING – 1½" INLET, 1¼" OUTLET

E

MODEL	KG	H x W x L mm	LM/HM	kW	CODE	PRICE
CR75 230v	14	222 x 170 x 308	250/15	0.8	022-316	
CR100 230v	14.4	222 x 170 x 308	300/21	1.2	022-320	
CRT100 415v	14.4	222 x 170 x 308	300/21	1.2	022-322	

High flow, low pressure pumps.

Centrifugal brass open impeller capable of handling up to 10mm soft solids. Cast iron pump body. Carbon mechanical seal.



CR100

SURFACE MOUNTED PUMPS

JET SELF PRIMING CENTRIFUGAL PUMPS TRADITIONAL CAST IRON

E

MODEL	KG	H x W x L mm	LM/HM	kW	CODE	PRICE
JET 600M 230v	15	190 x 182 x 400	45/41	0.7	022-260	
JET 1000M 230v	17.8	190 x 182 x 425	70/50	1	022-280	
JET 1000T 415v	17.8	190 x 182 x 425	70/50	1	022-284	
JET 1000M 110v	17.8	190 x 182 x 425	70/50	1	022-282	
JET 100-68M 230v	29.4	235 x 220 x 500	100/68	2	022-292	
JET 100-68T 415v	29.4	235 x 220 x 500	100/68	2	022-293	
JET 100-80T 415v	31	235 x 220 x 500	100/80	2.2	022-294	

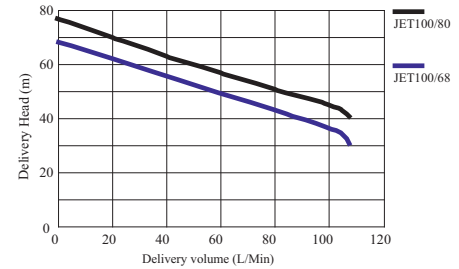


Jet Cast Iron

Jet 600/1000 1" inlet/outlet/Jet 100-68/80 1½" inlet 1" outlet. Cast iron pump body and motor bracket. Impeller, diffuser and venturi system made from technopolymer. (Jet 100-68/80 impeller made from brass).

Clean water only with a maximum temp of 50°C. Maximum suction height of 7 metres with footvalve.

Main uses include booster systems, washing systems and garden irrigation.



PURA - JET PUMP SELF PRIMING

GENERAL DUTY PUMP COMPLETE WITH HANDLE, SWITCH AND LEAD - NORYL PUMP BODY

E

MODEL	KG	H x W x L mm	LM/HM	kW	CODE	PRICE
PURA 230v	8	184 x 174 x 360	60/42	0.65	022-250	
PURA 110v	8	184 x 174 x 360	60/42	0.65	022-252	



Pura

JET STAINLESS STEEL SELF PRIMING

E

MODEL	KG	H x W x L mm	LM/HM	kW	CODE	PRICE
JETINOX 45/42 230v	8	190 x 178 x 351	60/42	0.65	022-253	
JETINOX 60/50 230v	8.6	190 x 178 x 351	60/50	0.8	022-266	
JETINOX 90/50 230v	13	260 x 235 x 430	90/50	1.5	022-286	
INOX 80 110v	8	199 x 175 x 360	40/45	0.79	022-285	
INOX 80 GARDEN 110v	8	275 x 209 x 375	40/45	0.79	022-287	
JCRM 15H 110v	8	206 x 184 x 406	50/66	1.1	022-237	



Jetinox

Pura, Jetinox and Inox 1" inlet/outlet.

Jetinox 90/50 & JCR15H 1¼" inlet, 1" outlet.

Pura has noryl pump body.

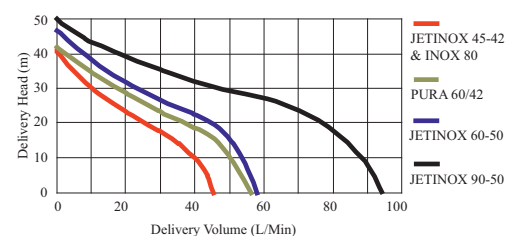
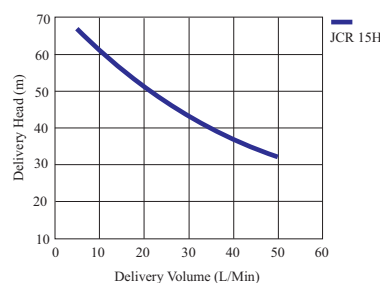
Jetinox and Inox have stainless steel pump bodies.

Impeller, diffuser/venturi system made from technopolymer.

Clean water only with a maximum temp of 50°C.

Maximum suction height of 7 metres with foot valve.

Main uses include booster systems, washing systems and garden irrigation.



Inox 80



JCR



Inox 80 Garden

SURFACE MOUNTED PUMPS

MULTINOX MULTISTAGE CENTRIFUGAL PUMPS

E

Model	INLET/ OUTLET	Kg	H x W x L mm	LM/HM	P1 kW P2	Code	Price
MULTINOX 80/36M 230v	1"	9.5	158 x 126 x 343	72 / 32	0.45 / 0.65	N4184070-B	
MULTINOX 80/48M 230v	1"	11.7	389 x 126 x 389	78 / 42	0.55 / 0.8	N4184080-B	
MULTINOX 80/60M 230v	1"	13.7	175 x 126 x 411	80 / 55	0.75 / 1.1	N4184110-B	
MULTINOX 120/48M 230v	1"	13.1	175 x 126 x 389	100 / 46	0.75 / 1.1	N4185080-B	
MULTINOX 120/60M 230v	1"	13.7	175 x 126 x 411	105 / 56	0.9 / 1.25	N4185090-B	
MULTINOX 80/36T 415v	1"	9.5	158 x 126 x 343	72 / 32	0.45 / 0.65	N4184090-B	
MULTINOX 80/48T 415v	1"	11.7	389 x 126 x 389	78 / 42	0.55 / 0.8	N4184100-B	
MULTINOX 80/60T 415v	1"	13.7	175 x 126 x 411	80 / 55	0.75 / 1.1	N4184120-B	
MULTINOX 120/48T 415v	1"	13.1	175 x 126 x 389	100 / 46	0.75 / 1.1	N4185100-B	
MULTINOX 120/60T 415v	1"	13.7	175 x 126 x 411	105 / 56	0.9 / 1.25	N4185110-B	

MULTINOX SELF-PRIMING MULTISTAGE CENTRIFUGAL PUMPS

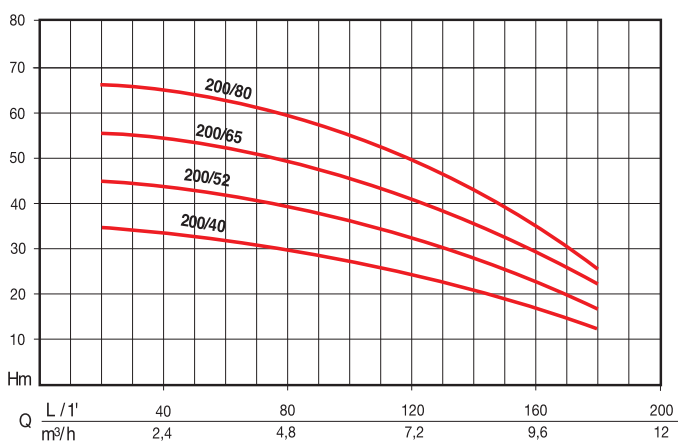
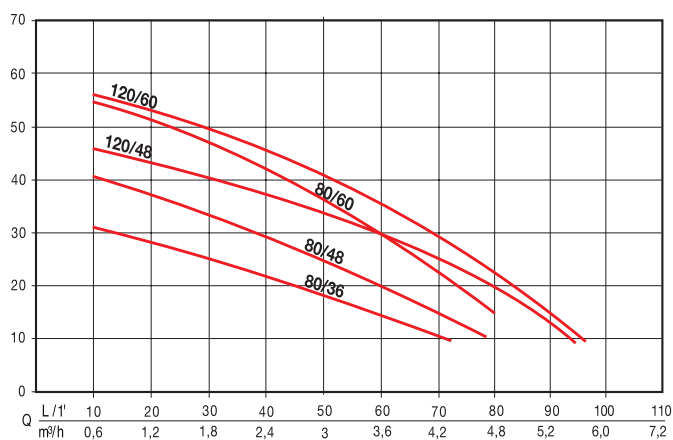
E

Model	INLET/ OUTLET	Kg	H x W x L mm	LM/HM	P1 kW P2	Code	Price
MULTINOX 200/40M 230v	1 1/4"	19	200 x 155 x 441	180 / 35	1.1 / 1.5	N418A010-B	
MULTINOX 200/52M 230v	1 1/4"	21	200 x 155 x 469	180 / 45	1.3 / 1.8	N418A030-B	
MULTINOX 200/65M 230v	1 1/4"	23	200 x 155 x 497	180 / 55	1.4 / 2.0	N418A070-B	
MULTINOX 200/40T 415v	1 1/4"	19	200 x 155 x 441	180 / 35	1.1 / 1.5	N418A020-B	
MULTINOX 200/52T 415v	1 1/4"	21	200 x 155 x 469	180 / 45	1.3 / 1.8	N418A040-B	
MULTINOX 200/65T 415v	1 1/4"	23	200 x 155 x 497	180 / 55	1.4 / 2.0	N418A050-B	
MULTINOX 200/80T 415v	1 1/4"	25	200 x 155 x 525	180 / 66	1.8 / 2.3	N418A060-B	

Multinox horizontal multistage centrifugal pumps are used for a range of pressure boosting applications. High performance along with various different pressures available throughout the range. Booster units, single or twin or as a wash down set are just some examples of what this range can offer. Clean water only with no suspended solids or abrasive material. these units cannot be run dry. Maximum liquid temperature 50°C. Impellers and diffusers made from technopolymer.



MULTINOX



SURFACE MOUNTED PUMPS

MULTINOX-VE VERTICAL MULTISTAGE PUMPS 1 1/4" INLET/OUTLET

E

MODEL	KG	H x W x L mm	LM/HM	kW	CODE	PRICE
MULTI-VE 200-40M 230v	20	438 x 204 x 204	180/33	1.5	022-502	
MULTI-VE 200-52M 230v	22	466 x 204 x 204	180/44	1.8	022-504	
MULTI-VE 200-65M 230v	24	504 x 204 x 204	180/56	2	022-505	
MULTI-VE 200-40T 415v	20	438 x 204 x 204	180/33	1.5	022-503	
MULTI-VE 200-52T 415v	22	466 x 204 x 204	180/44	1.8	022-506	
MULTI-VE 200-65T 415v	24	504 x 204 x 204	180/56	2	022-508	
MULTI-VE 200-80T 415v	26	525 x 204 x 204	180/67	2.6	022-510	
MULTI-VE 200-90T 415v	28	555 x 204 x 204	180/78	2.7	022-511	
MULTI-VE 200-110T 415v	36	600 x 204 x 204	180/101	3	022-512	

Multinox VE vertical multistage pumps are used for a range of pressure boosting applications.

High performance along with various different pressures available throughout the range.

Booster units, single or twin or as a wash down set are just some examples of what this range can offer.

Ideal when high performance and compact dimensions are required.

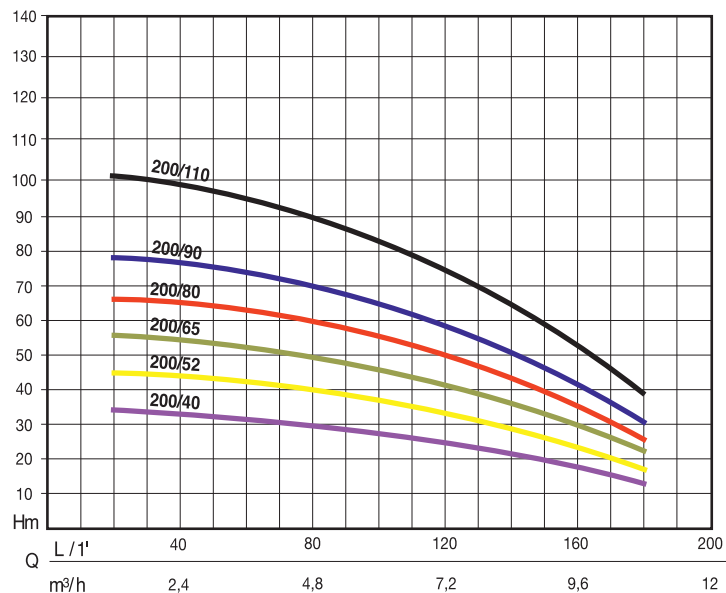
Clean water only with no suspended solids or abrasive material.

These units cannot be run dry. Maximum liquid temp 50°C.

Impellers and diffusers made from technopolymer.



TABLE OF HYDRAULIC PERFORMANCE



SURFACE MOUNTED PUMPS

DHI CENTRIFUGAL MULTISTAGE PUMPS 230v STAINLESS STEEL IMPELLERS & DIFFUSERS 1 1/4" INLET & OUTLET

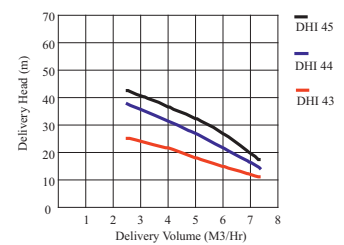
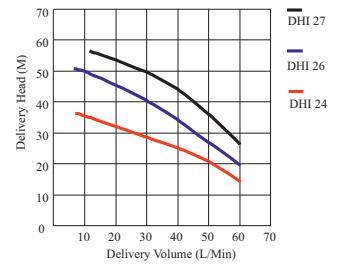
E

MODEL	KG	H x W x L mm	LM/HM	kW	CODE	PRICE
230v Range						
DHI 2-40M	12	235 x 205 x 400	60/35	0.75	422-0240	
DHI 2-60M	13	235 x 205 x 430	60/50	0.95	422-0260	
DHI 2-70M	13	235 x 205 x 460	60/60	1.2	422-0270	
DHI 4-30M	13	235 x 205 x 400	120/25	0.75	422-0430	
DHI 4-40M	14	235 x 205 x 430	120/35	1	422-0440	
DHI 4-50M	17	235 x 205 x 460	120/43	1.25	422-0450	

415v Range

DHI 2-40T	12	235 x 205 x 400	60/35	0.75	422-1240	
DHI 2-60T	13	235 x 205 x 430	60/50	0.95	422-1260	
DHI 2-70T	13	235 x 205 x 460	60/60	1.2	422-1270	
DHI 4-30T	13	235 x 205 x 400	120/25	0.75	422-1430	
DHI 4-40T	14	235 x 205 x 430	120/35	1	422-1440	
DHI 4-50T	17	235 x 205 x 460	120/43	1.25	422-1450	

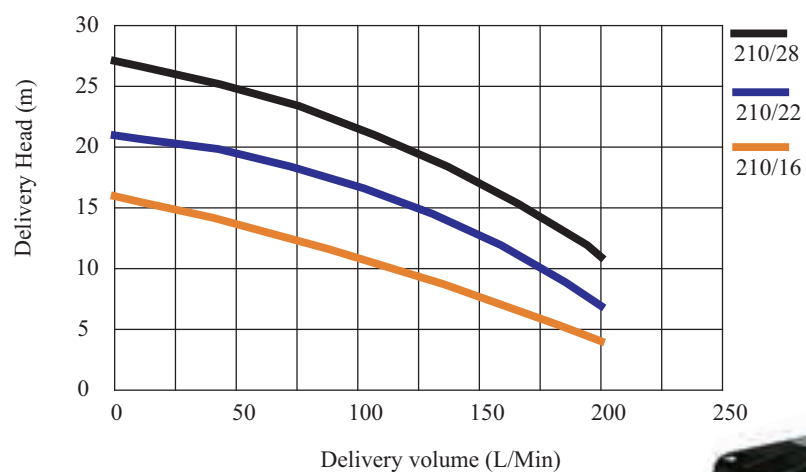
DHI horizontal multistage pumps produce high flow and pressure in performance. Not self priming and should not be allowed to run dry. Stainless steel impellers, diffusers, shaft and seal holder plate. Clean water only with no solids or abrasives and a maximum liquid temperature of 90°C. Examples of uses include water pressure booster systems, irrigation and food and wine industries.



SURFACE MOUNTED PUMPS

SSCX STAINLESS STEEL SINGLE IMPELLER CENTRIFUGAL PUMP							E
MODEL	INLET/ OUTLET	KG	H x W x L mm	LM/HM	kW	CODE	PRICE
SSCX 200/16M 230v	1¼"/1"	8.7	240 x 210 x 320	210/16	0.75	460-0010	
SSCX 210/22M 230v	1¼"/1"	12.1	250 x 210 x 350	210/22	1.1	460-0050	
SSCX 210/28M 230v	1¼"/1"	13.8	250 x 210 x 350	210/28	1.55	460-0090	
SSCX 200/16T 415v	1¼"/1"	8.7	240 x 210 x 320	210/16	0.75	460-0020	
SSCX 210/22T 415v	1¼"/1"	12.1	250 x 210 x 350	210/22	1.1	460-0060	
SSCX 210/28T 415v	1¼"/1"	13.8	250 x 210 x 350	210/28	1.5	460-0100	

SSCX single impeller centrifugal pump. Pump body, seal housing, impeller and motor shaft manufactured from stainless steel AISI 304. Not self priming and should not be allowed to run dry. Recommended for clean water and liquids that are chemically non aggressive with no suspended solids or abrasive material. Carbon mechanical seal and NBR O rings. Maximum liquid temperature 90°C. Example of uses include booster sets, irrigation and circulation.



PRESSURE BOOSTING SYSTEMS

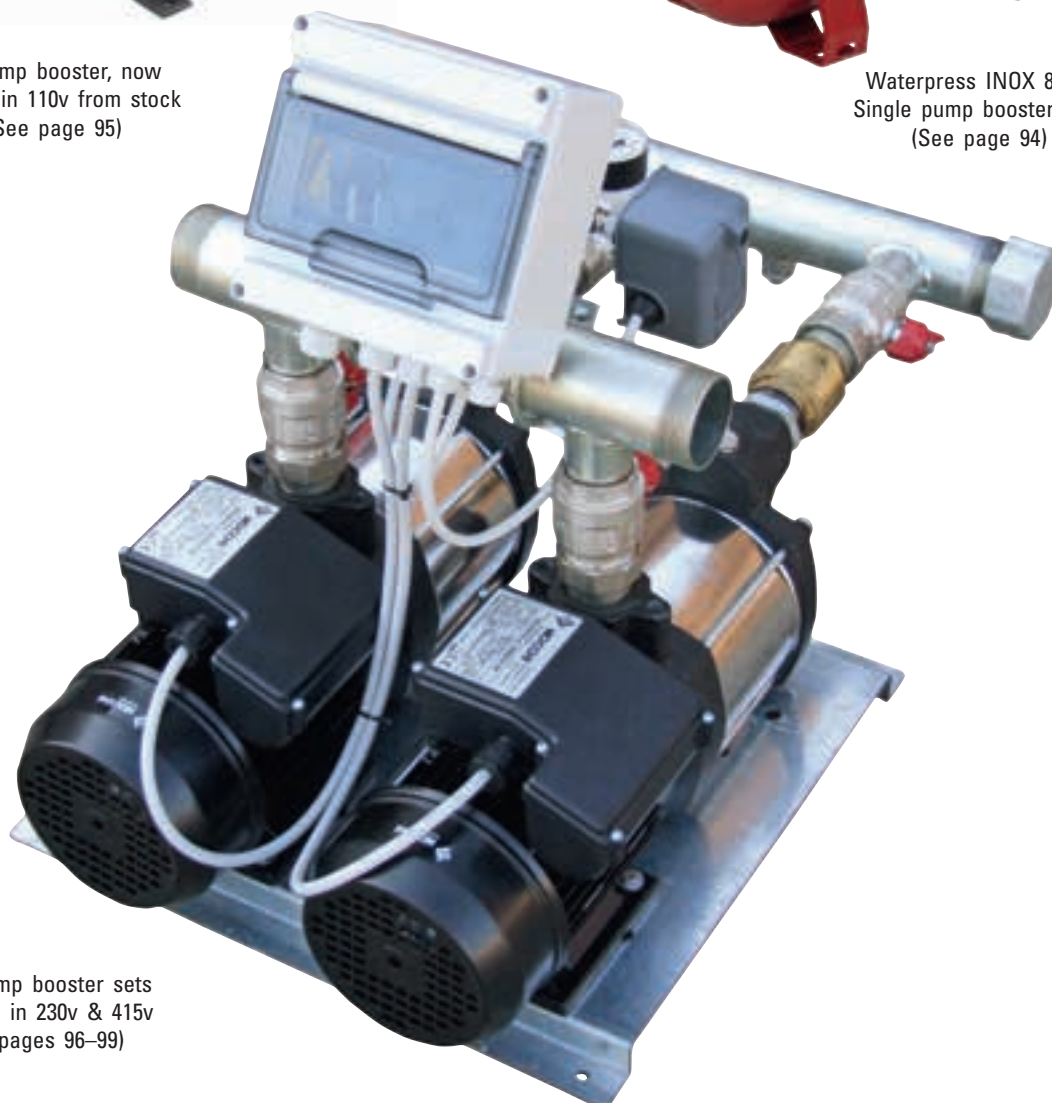
SINGLE AND TWIN PUMP BOOSTERS



INOX 80
Single pump booster, now
available in 110v from stock
(See page 95)



Waterpress INOX 80/48
Single pump booster 230v
(See page 94)



Twin pump booster sets
available in 230v & 415v
(See pages 96–99)

SURFACE MOUNTED PUMPS

MXC CENTRIFUGAL MULTISTAGE PUMPS

E

MODEL	INLET/ OUTLET	KG	H x W x L mm	LM/HM	kW	CODE	PRICE
230v Range							
MXC 80-36 M	1"	7	190 x 174 x 296	65/35	0.6	022-210	
MXC 80-48 M	1"	7	190 x 174 x 318	72/45	0.8	022-220	
MXC 80-60 M	1"	10	195 x 174 x 360	77/55	1	022-027	
MXC 120-48 M	1"	10	195 x 174 x 338	95/48	1.1	022-230	
MXC 120-60 M	1"	10	195 x 174 x 360	100/60	1.25	022-240	
MCX 200-40 M	1 1/4"	14	235 x 205 x 400	180/34	1.5	022-247	
MCX 200-52 M	1 1/4"	16	235 x 205 x 430	180/45	1.8	022-248	
MCX 200-65 M	1 1/4"	18	235 x 205 x 460	180/56	2	022-241	



MXC 80/120

415v Range

MXC 80-36 T	1"	7	190 x 174 x 296	65/35	0.6	022-215	
MXC 80-48 T	1"	7	190 x 174 x 318	72/45	0.8	022-225	
MXC 80-60 T	1"	10	195 x 174 x 360	77/55	1	022-029	
MXC 120-48 T	1"	10	195 x 174 x 338	95/48	1.1	022-235	
MXC 120-60 T	1"	10	195 x 174 x 360	100/60	1.25	022-245	
MCX 200-40 T	1 1/4"	14	235 x 205 x 400	180/34	1.5	022-010	
MCX 200-52 T	1 1/4"	16	235 x 205 x 430	180/45	1.8	022-012	
MCX 200-65 T	1 1/4"	18	235 x 205 x 460	180/56	2	022-249	



MCX 200

MXC horizontal multistage pumps produce high flow and pressure in performance. Not self priming and should not be allowed to run dry. Technopolymer impellers and diffusers. Clean water only with no solids or abrasives and a maximum liquid temperature of 50°C. Examples of uses include water pressure booster systems, washing and irrigation.

MAX SELF PRIMING CENTRIFUGAL MULTISTAGE PUMPS

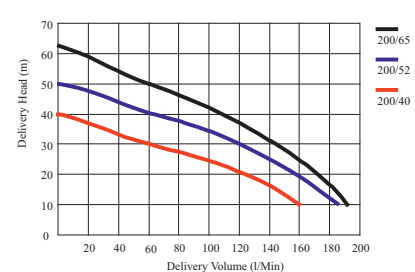
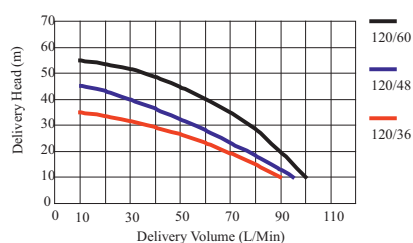
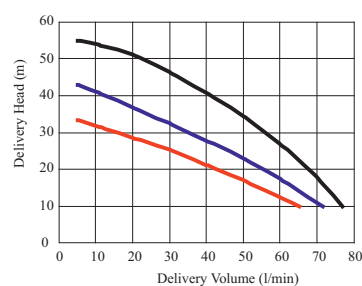
E

MODEL	INLET/ OUTLET	KG	H x W x L mm	LM/HM	kW	CODE	PRICE
MAX 80-48M 230v	1"	9	182 x 176 x 370	72/45	0.8	022-190	
MAX 120-60M 230v	1"	12	192 x 176 x 415	100/60	1.25	022-194	
MAX 80-48T 415v	1"	9	182 x 176 x 370	72/45	0.8	022-192	
MAX 120-60T 415v	1"	12	192 x 176 x 415	100/60	1.25	022-196	



MAX

As MXC range but self priming. Maximum suction height 7 metres with foot valve. For MAX pre-built booster sets see page 94 and 95.

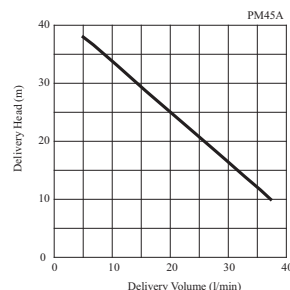


PRESSURE BOOSTING SYSTEMS

SINGLE PUMP UNIT ELECTRONICALLY CONTROLLED

E

MODEL	TANK SIZE	INLET/OUTLET	KG	H x W x L mm	LM/HM	kW	CODE	PRICE
PM-45 A 230v	/	1"	9	345 x 225 x 260	40/40	0.37	022-402	
PM-45 A 110v	/	1"	9	345 x 225 x 260	40/40	0.37	022-403	



PM45 is a peripheral turbine pump for small household systems and simple industrial applications. Complete with Presscontrol wired and ready to go. The Presscontrol will automatically turn the pump on and off when an outlet is opened and closed. In the case of no water to protect the pump from dry running it will switch off. Pump casing and motor bracket made from bronze. Brass impeller. Stainless steel shaft.



PM-45 A

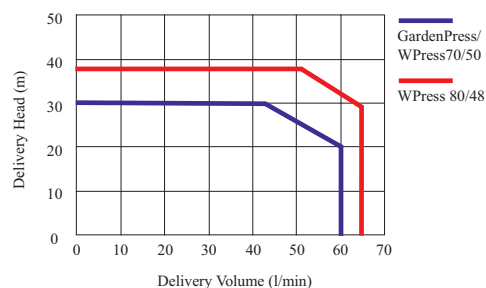
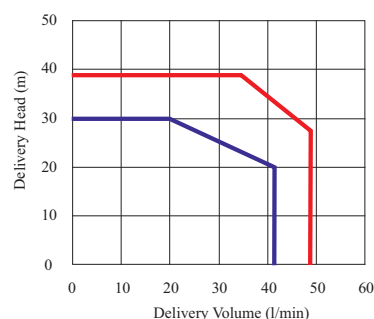
SINGLE PUMP UNITS SELF PRIMING PRESSURE SWITCH OPERATION C/W MILD STEEL ACCUMULATOR VESSEL

E

MODEL	TANK SIZE	INLET/OUTLET	KG	H x W x L mm	LM/HM	kW	CODE	PRICE
PURAPRESS	25	1"	13	470 x 260 x 510	55/35	0.8	022-400	
W/PRESS INOX 60/50	25	1"	15	470 x 260 x 510	55/45	0.8	022-463	
WATERPRESS 70/50	25	1"	22	550 x 315 x 520	65/45	1.1	022-460	
GARDENPRESS 1000+	60	1"	32	640 x 370 x 640	65/45	1.1	022-461	

Using the MAX range of pump:-

W/PRESS INOX 80/48	25	1"	12	550 x 260 x 520	70/45	0.8	022-480	
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Performance shown is at factory preset and can be adjusted

Self priming single pump booster sets complete with pressure switch and mild steel accumulator vessel. Water supply is not always enough to supply the correct amount of water at a suitable pressure, so the best and most affordable solution to solve water deficiency problems is to install a pumped booster system via a 'break' tank. These systems are specifically designed to boost the pressure of the water supply and deliver the correct amount of water to all outlets.

The pre-set pressure switch enables it to automatically start and stop the pump. The water inside the reservoir prevents the pump from restarting if a small amount of water is requested, protecting it from excessive wear and enabling users to save power.

These booster sets are supplied ready to be installed and used. Do not allow to run dry.

Purapress – Noryl pump body, impellers diffuser/ venture system made from technopolymer. Stainless steel shaft. Carbon mechanical seal.

Gardenpress – cast iron pump body and motor bracket. Impeller, diffuser and venture system made from technopolymer. Clean water only with a maximum temperature of 50°C.

W/Press Inox 80/48 – Horizontal multi-stage pump. Stainless steel pump body. Technopolymer impellers and diffusers. Carbon mechanical seal. Clean water only with no solids or abrasives and a maximum liquid temperature of 50°C.



PURAPRESS



WATERPRESS 70/50

WATERPRESS
INOX 80/48

PRESSURE BOOSTING SYSTEMS

SINGLE PUMP UNITS STAINLESS STEEL PRESSURE SWITCH OPERATION C/W STAINLESS STEEL ACCUMULATOR VESSEL

E

MODEL	TANK SIZE	INLET/OUTLET	KG	H x W x L mm	LM/HM	kW	CODE	PRICE
Using Self Priming Jet Pumps								
SUPERINOX 60/50 230v	25	1"	11	550 x 280 x 530	55/45	0.8	022-462	
SUPERINOX 90/50 230v	25	1 1/4 x 1"	12	580 x 280 x 530	80/45	1.5	022-464	
Using the Max range of pump								
W/P SUPERINOX 120/60 230v	25	1"	13	550 x 260 x 520	100/55	1.25	022-495	
W/P SUPERINOX 120/60+ 230v	60	1"	23	640 x 370 x 640	100/55	1.25	022-500	
Using the Inox range of pump								
INOX 80 AUTO 110v	25	1"	12	580 x 280 x 530	40/45	0.79	022-302	

Self priming single pump booster sets complete with pressure switch and stainless steel accumulator vessel. Water supply is not always enough to supply the correct amount of water at a suitable pressure, so the best and most affordable solution to solve water deficiency problems is to install a pumped booster system via a 'break' tank. These systems are specifically designed to boost the pressure of the water supply and deliver the correct amount of water to all outlets.

The pre-set pressure switch enables it to automatically start and stop the pump. The water inside the reservoir prevents the pump from restarting if a small amount of water is requested, protecting it from excessive wear and enabling users to save power.

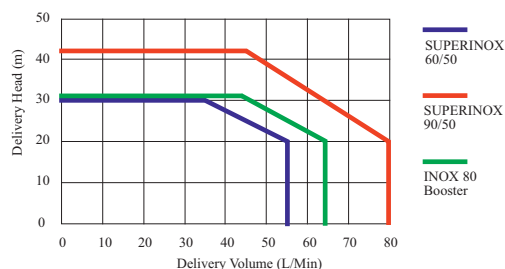
These booster sets are supplied ready to be installed and used. Do not allow to run dry.

Superinox 60/50 & 90/50 and Inox 80 Booster use Jet self-priming pumps. Stainless steel pump bodies. Impeller/diffuser/venture system made from technopolymer. Clean water only with a maximum temperature of 50°C.

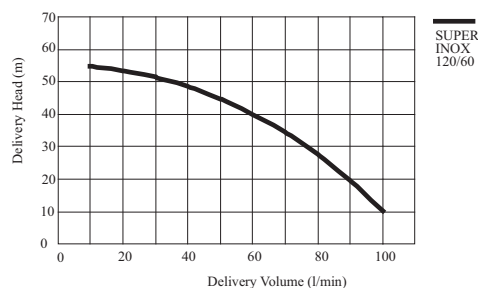
Waterpress superinox 120/60 Horizontal multistage pump. Stainless steel pump body. Impeller, diffuser system made from technopolymer. Clean water only with a maximum temperature of 50°C.



WATERPRESS



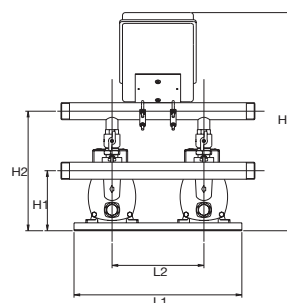
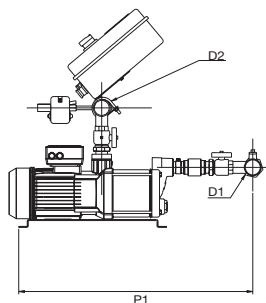
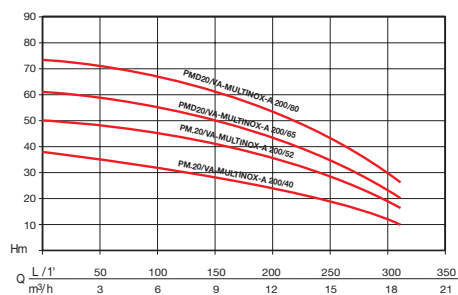
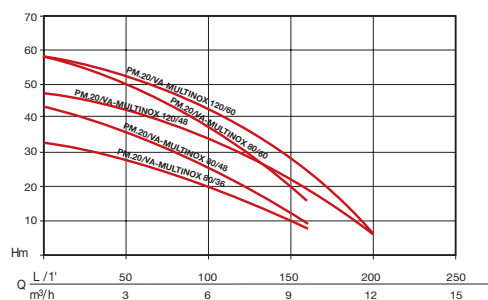
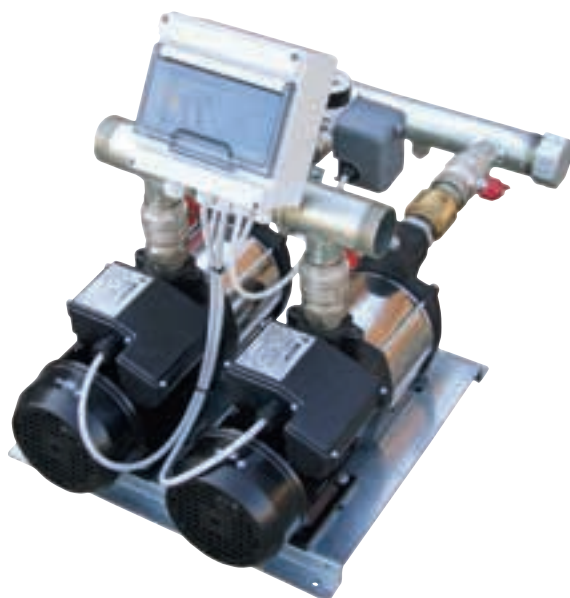
INOX 80 BOOSTER



Shower booster pumps see page 218 – 219

PRESSURE BOOSTING SYSTEMS

AUTOMATIC TWIN PRESSURE BOOSTER UNITS

E


Model	DIMENSIONS mm						D1	D2	L2	Kg	
	L1 230v	415v	P1	H1	H2	H3 230v 415v					
80/36/MT	470	470	590	200	360	500 560	1½"	1½"	220	31	37
80/48/MT	470	470	610	200	360	500 560	1½"	1½"	220	35	41
80/60/MT	470	470	650	200	360	500 560	1½"	1½"	220	39	45
120/48/MT	470	470	630	200	360	500 560	1½"	1½"	220	38	44
120/60/MT	470	470	650	200	360	500 560	1½"	1½"	220	39	45
200/40/MT	580	470	690	200	420	560 620	2"	2"	220	49	55
200/52M/T	580	470	690	200	420	560 620	2"	2"	220	53	59
200/65T	/	470	690	200	420	/ 620	2"	2"	220	/	63
200/80T	/	470	690	200	420	/ 620	2"	2"	220	/	67

PRESSURE BOOSTING SYSTEMS

PRESSOMAT AUTOMATIC TWIN PRESSURE BOOSTER UNITS

E

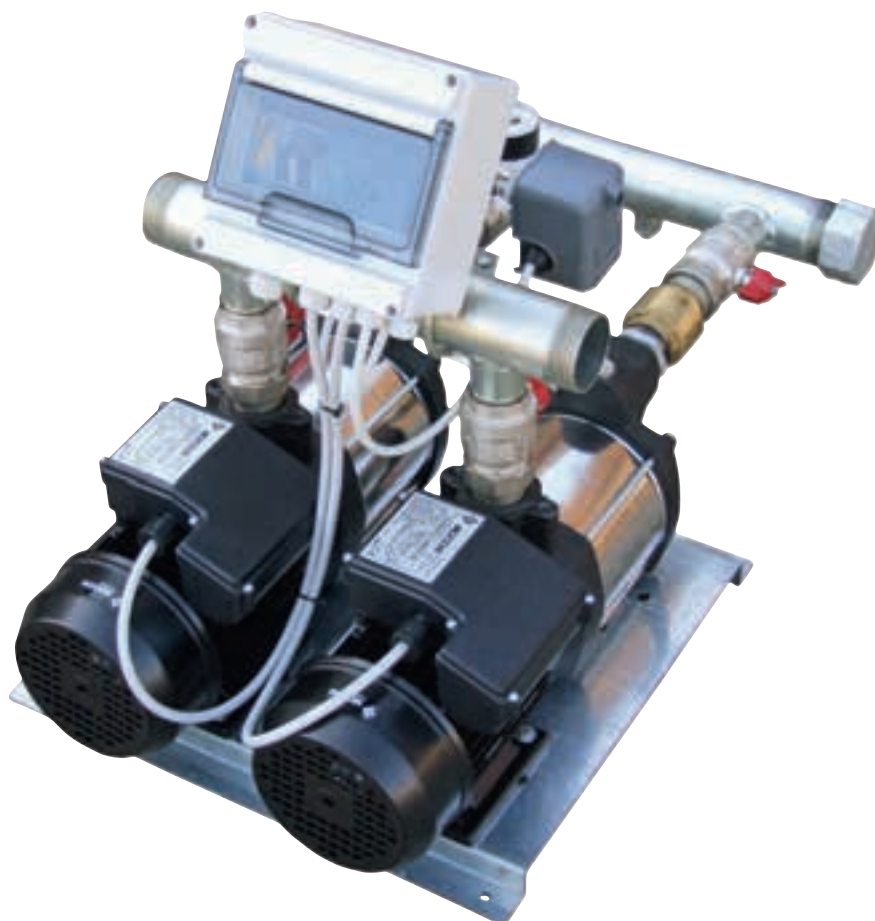
Model	Port Size BSP	Max L/Min	Max Bar	Volts/Amps	kW	Code	Price
PMS20/VA 80/36M	1½"	160	3.3	230 / 6.0	2 x 0.65	UC4001EO	
PMS20/VA 80/48M	1½"	160	4.3	230 / 7.6	2 x 0.8	UC4002EO	
PMS20/VA 80/60M	1½"	160	5.7	230 / 11.0	2 x 1.1	UC4003EO	
PMS20/VA 120/48M	1½"	200	4.8	230 / 9.4	2 x 1.1	UC4004EO	
PMS20/VA 120/60M	1½"	200	5.8	230 / 11.8	2 x 1.25	UC4005EO	
PMS20/VA 200/40M	2"	320	3.8	230 / 11.2	2 x 1.2	UC4015EO	
PMS20/VA 200/52M	2"	320	4.9	230 / 15.6	2 x 1.6	UC4016EO	
PMD20/VA 80/36T	1½"	160	3.3	415 / 2.6	2 x 0.65	UC4006EO	
PMD20/VA 80/48T	1½"	160	4.3	415 / 3.2	2 x 0.8	UC4007EO	
PMD20/VA 80/60T	1½"	160	5.7	415 / 3.6	2 x 1.1	UC4008EO	
PMD20/VA 120/48T	1½"	200	4.8	415 / 3.8	2 x 1.1	UC4009EO	
PMD20/VA 120/60T	1½"	200	5.8	415 / 4.0	2 x 1.25	UC4010EO	
PMD20/VA 200/40T	2"	320	3.8	415 / 4.0	2 x 1.2	UC4017EO	
PMD20/VA 200/52T	2"	320	4.9	415 / 5.8	2 x 1.6	UC4018EO	
PMD20/VA 200/65T	2"	320	6.3	415 / 7.2	2 x 2.0	UC4019EO	
PMD20/VA 200/80T	2"	320	7.8	415 / 9.2	2 x 2.3	UC4020EO	

Pressomat Twin Booster Pump systems for automatic pressurization of water supplies equipped with either single or three phase pumps. Alternating Duty and Assist Control Panel. Optional low level warning connection.

Galvanised suction manifold complete with 2 brass ball valves and 2 non return valves.

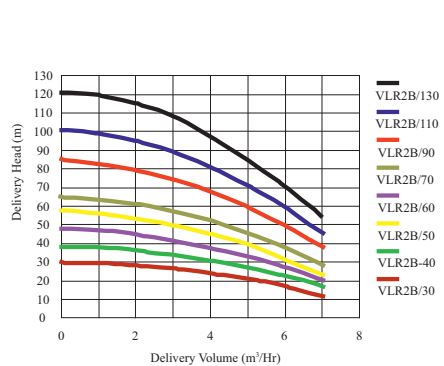
Galvanised discharge manifold complete with 2 brass ball valves, 2 pressure switches and pressure gauge.

All units require Pressure Accumulator Vessels (see page 119).

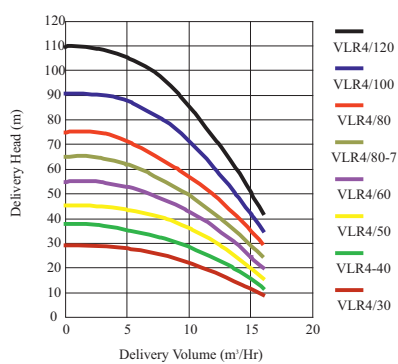


PRESSURE BOOSTING SYSTEMS

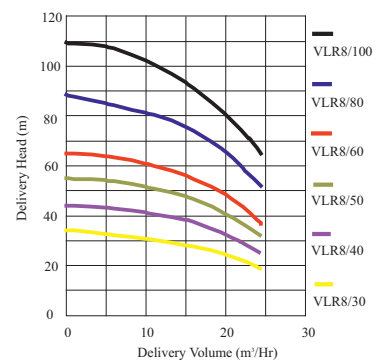
AUTOMATIC TWIN PRESSURE BOOSTER UNITS



2 x VLR 2 Performance



2 x VLR 4 Performance



2 x VLR 8 Performance

Available with Variable Speed Drive.

PRESSURE BOOSTING SYSTEMS

AUTOMATIC TWIN PRESSURE BOOSTER UNITS

Twin Pump Units using VLR Pumps with Alternating Duty and Assist Control Panels.
All units require Pressure Accumulator Vessels (see page 119).

PMS20 SINGLE PHASE – SINGLE SPEED

E

Model	Port Size BSP	Max L/Min	Max Bar	Volts/Amps	kW	Code	Price
2 x VLR 2B/30M	2"	120	2.7	230 / 5.4	2 x 0.37	UP400100	
2 x VLR 2B/40M	2"	120	3.7	230 / 8	2 x 0.55	UP400200	
2 x VLR 2B/50M	2"	120	4.7	230 / 8	2 x 0.55	UP400300	
2 x VLR 2B/60M	2"	120	5.7	230 / 10.4	2 x 0.75	UP400400	
2 x VLR 2B/70M	2"	120	6.5	230 / 10.4	2 x 0.75	UP400500	
2 x VLR 2B/90M	2"	120	8.6	230 / 16	2 x 1.1	UP400600	
2 x VLR 2B/110M	2"	120	10.1	230 / 16	2 x 1.1	UP400700	
2 x VLR 2B/130M	2"	120	12.1	230 / 24	2 x 1.5	UP400800	
2 x VLR 4/30M	2"	250	2.7	230 / 8	2 x 0.55	UP400900	
2 x VLR 4/40M	2"	250	3.7	230 / 10.4	2 x 0.75	UP401000	
2 x VLR 4/50M	2"	250	4.5	230 / 16	2 x 1.1	UP401100	
2 x VLR 4/60M	2"	250	5.5	230 / 16	2 x 1.1	UP401200	
2 x VLR 4/80-7M	2"	250	6.4	230 / 24	2 x 1.5	UP401300	
2 x VLR 4/80M	2"	250	7.5	230 / 24	2 x 1.5	UP401400	
2 x VLR 8/30M	2½"	380	2.7	230 / 16	2 x 1.1	UP401500	
2 x VLR 8/40M	2½"	380	3.7	230 / 24	2 x 1.5	UP401600	

PMD20 THREE PHASE – SINGLE SPEED

E

Model	Port Size BSP	Max L/Min	Max Bar	Volts/Amps	kW	Code	Price
2 x VLR 2B/30T	2"	120	2.7	400 / 1.2	2 x 0.37	UP401700	
2 x VLR 2B/40T	2"	120	3.7	400 / 2	2 x 0.55	UP401800	
2 x VLR 2B/50T	2"	120	4.7	400 / 2.6	2 x 0.55	UP401900	
2 x VLR 2B/60T	2"	120	5.5	400 / 3	2 x 0.75	UP402000	
2 x VLR 2B/70T	2"	120	6.4	400 / 3.4	2 x 0.75	UP402100	
2 x VLR 2B/90T	2"	120	7.5	400 / 4.2	2 x 1.1	UP402200	
2 x VLR 2B/110T	2"	120	9.1	400 / 5	2 x 1.1	UP402300	
2 x VLR 2B/130T	2"	120	12.1	400 / 5.8	2 x 1.5	UP402400	
2 x VLR 4/30T	2"	250	2.7	400 / 2.9	2 x 0.55	UP402500	
2 x VLR 4/40T	2"	250	3.7	400 / 3.8	2 x 0.75	UP402600	
2 x VLR 4/50T	2"	250	4.7	400 / 5	2 x 1.1	UP402700	
2 x VLR 4/60T	2"	250	5.5	400 / 5	2 x 1.1	UP402800	
2 x VLR 4/80-7T	2"	250	6.4	400 / 6.8	2 x 1.5	UP402900	
2 x VLR 4/80T	2"	250	7.5	400 / 6.8	2 x 1.5	UP403000	
2 x VLR 4/100T	2"	250	9.1	400 / 9.6	2 x 2.2	UP403100	
2 x VLR 4/120T	2"	250	10.9	400 / 9.6	2 x 2.2	UP403200	
2 x VLR 8/30T	2½"	380	3.3	400 / 5	2 x 1.1	UP403300	
2 x VLR 8/40T	2½"	380	4.3	400 / 6.8	2 x 1.5	UP403400	
2 x VLR 8/50T	2½"	380	5.4	400 / 10.2	2 x 2.2	UP403500	
2 x VLR 8/60T	2½"	380	6.5	400 / 10.2	2 x 2.2	UP403600	
2 x VLR 8/80T	2½"	380	8.6	400 / 13.6	2 x 3	UP403700	
2 x VLR 8/100T	2½"	380	10.8	400 / 19.4	2 x 4	UP403800	

All booster units listed and larger units are available upon request.

PRESSURE BOOSTING SYSTEMS

CPS FREQUENCY CHANGER



- **Easy installation**
- **Energy saving**
- **Silent running**
- **Reliability**

Applications

- **Pressure boosting**
- **Irrigation**
- **Industrial washing equipment**
- **Water distribution**

Control Panel



CPS energy saving control system keep constant delivery when pressure variations occur. CPS is a frequency converter integrated into the pump which adjusts motor speed so as to constantly provide users with the same pressure, even when demand for water changes. The main applications for which CPS offers elevated comfort and benefits are: home pressurisation, irrigation, greenhouses and light industry.

Operation

The system consists of an electric pump operated by an electronic control system (frequency changer) that enables the delivery of constant pressure by reducing or increasing the flow rate based on water demand. In the case of an excessive system pressure decrease, the CPS starts the pump and regulates its speed until the operating pressure is re-established. The pump's speed depends on water demand. If water consumption increases, the control system raises the speed of the pump up to the maximum set value. If water consumption decreases, the speed of the pump is reduced down to its minimum. If there is no further water demand, the pump stops.

Technical Features

- | | |
|-------------------------------|--|
| • Power input | 1 x 230 Vac $\pm$ 10% |
| • Output voltage | 3 x 230 Vac $\pm$ 10% |
| • Max nominal power | 1.5 Kw |
| • Input frequency | 50/60 Hz $\pm$ 3% |
| • Max output current | 6.5 Amp |
| • Protection | IP55 (in case of installation on motors with a protection of < IP55) |
| • Ambient temperature | From +0°C to + 40°C |
| • Wave type | Sinusoidal |
| • Input filter | In compliance with EMC directive |
| • Pressure transmitter | 0 - 5- Volt 0 - 10 Bar |
| • Set point | 2 |
| • Connections | RS 85 port |
| • Free contacts | 3 (ext set point, alarm, system inhibition) |

PRESSURE BOOSTING SYSTEMS

CPS10 DHI FREQUENCY CHANGER

230v

E

MODEL	INLET/ OUTLET	KG	H x W x L mm	LM/HM	kW	CODE	PRICE
CPS10 DHI 2-70	1 1/4"	17.4	235 x 232 x 460	60/60	1.2	470-0270	
CPS10 DHI 4-50	1 1/4"	17.4	235 x 232 x 460	120/43	1.25	470-0260	

Pre built CPS Frequency Changer water boosting pump. Must be used in conjunction with a small pressure accumulator vessel, see page 119. For more information on the DHI see page 90.



DHI

CPS10 MAX FREQUENCY CHANGER

230v

E

MODEL	INLET/ OUTLET	KG	H x W x L mm	LM/HM	kW	CODE	PRICE
CPS10 MAX 80/60	1"	11.8	220 x 232 x 415	80/57	1	470-0060	
CPS10 MAX 120/60	1"	11.8	220 x 232 x 415	120/60	1.25	470-0040	

Pre built CPS Frequency Changer water boosting pump. Must be used in conjunction with a small pressure accumulator vessel, see page 119. For more information on the MAX see page 93.



MAX

CPS10 MULTINOX-VE FREQUENCY CHANGER

230v

E

MODEL	INLET/ OUTLET	KG	H x W x L mm	LM/HM	kW	CODE	PRICE
CPS10 MULTINOX - VE 200/40	1 1/4"	21.2	438 x 232 x 220	160/35	1.5	470-0130	
CPS10 MULTINOX - VE 200/65	1 1/4"	25.1	504 x 232 x 220	160/59	2.0	470-0120	

Pre built CPS Frequency Changer water boosting pump. Must be used in conjunction with a small pressure accumulator vessel, see page 119. For more information on the Multinox-VE see page 89.



Multinox-VE

CPS10 VLR FREQUENCY CHANGER

230v

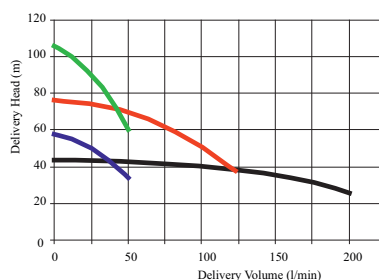
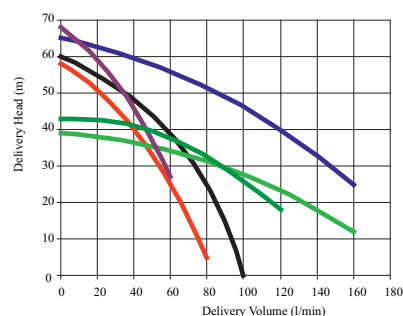
E

MODEL	INLET/ OUTLET	KG	H x W x L mm	LM/HM	kW	CODE	PRICE
CPS10 VLR 2B-60 A	1"	28	533 x 232 x 135	50/58	0.75	470-0160	
CPS10 VLR 2B-110 A	1"	38	623 x 232 x 135	50/105	1.1	470-0170	
CPS10 VLR 4-80 A	1"	35	688 x 232 x 185	120/77	1.5	470-0150	
CPS10 VLR 8-40 A	1 1/2"	42	688 x 232 x 185	200/44	1.5	470-0140	

Pre built CPS Frequency Changer water boosting pump. Must be used in conjunction with a small pressure accumulator vessel, see page 119. For more information on the VLR see pages 128 – 133.



VLR



PRESSURE BOOSTING SYSTEMS

HYDROCONTROLLER VARIABLE SPEED DRIVER

A

MODEL	DESCRIPTION	KG	H x W x L mm	SUPPLY VOLTAGE	OUTPUT VOLTAGE	CODE	PRICE
HCW MT	Wet version, mounted inline of outlet pipework	5.6	350 x 190 x 170	230v 50Hz MAX Pump 3HP (10A)	230v 3 phase pump	HCW MT	
HCA MT	Dry version, wall mountable with separate transducer	5.6	350 x 260 x 170	230v 50Hz MAX Pump 3HP (10A)	230v 3 phase pump	HCA MT	

Hydrocontroller have been specifically developed to manage electric pumps both single phase (with permanent capacitor) and three-phase. Special attention has been addressed to the User Interface to allow a quick and easy installation. On the front of the device there are 4 buttons and 16 characters 2 line display for managing functioning and alarm parameters. Through the messages displayed there is no need to consult the manual to locate and interpret the parameters. The parameters for the operation are the desired pressure and maximum current of the pump. In the event of an abnormal situation Hydrocontroller protects the pump by switching off, but in order to safeguard the water supply it will undertake repeated automatic or programmed reset attempts. This advanced model has the features to allow groups of up to 8 pumps (all pumps must be identical). In the multi-pumps mode, each pump is controlled and regulated by a Hydrocontroller. In this configuration, the system handles all the pumps used in variable speed, increasing / decreasing together their speed of rotation, in order to keep the pressure constant as the flow rate varies. The alternation of the pumps is guaranteed and, in case of failure of a component the system automatically reconfigures itself.



HYDROCONTROLLER
WET VERSION



HYDROCONTROLLER
DRY VERSION



EXAMPLES OF HYDROCONTROLLER INSTALLATIONS



Information on an Installation Example Can be Found here - www.youtube.com/watch?v=uDckGYITvMY

PRESSURE BOOSTING SYSTEMS

CPS 20 TWIN PUMP BOOSTER SETS – VARIABLE SPEED

E

The new CPS 20 twin pump unit is an innovative constant pressure system for industrial and residential applications.

Each pump installed in the system is equipped with a CPS frequency changer directly assembled on the motor. The two CPS devices switch the starting order of the pumps at each working cycle maintaining constant pressure the system.

Applications

- Pumping of water in domestic systems
- Booster systems
- Industry
- Washing systems
- Irrigation

Suction manifold

In galvanized steel with:
2 brass ball valves

Discharge manifold

In galvanized steel with
2 brass ball valves
2 check valves
Pressure guage
2 Pressure sensors

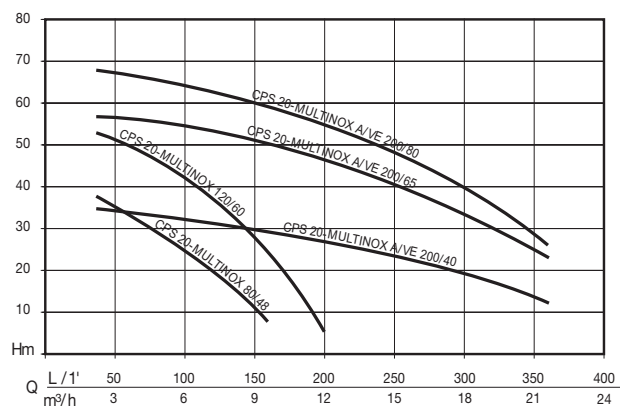
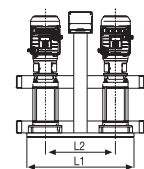
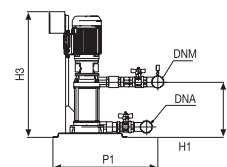
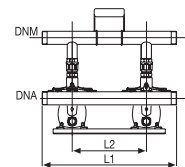
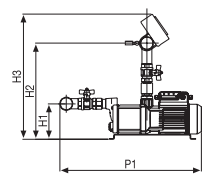


PRESSURE BOOSTING SYSTEMS

CPS20 MULTINOX TWIN PUMP BOOSTER SETS – VARIABLE SPEED

E

Model	Port Size BSP	Max L/Min	Max Bar	Volts/Amps	kW	Code	Price
CPS20/Multinox 80/48	1½"	150	4.3	230 /2 x 6.5	2 x 0.8	UI601040	
CPS20/Multinox 120/60	1½"	200	5.8	230 /2 x 8.5	2 x 8.5	UI601050	
CPS20/Multinox-A 200/40	2"	350	3.8	230 /8.7	2 x 8.7	UI601060	
CPS20/Multinox-A 200/65	2"	350	6.3	230 /14.4	2 x 14.4	UI601070	
CPS20/Multinox-A 200/80	2"	350	7.8	230 /15.5	2 x 15.5	UI601210	
CPS20/Multinox-VE 200/40	2"	350	3.8	230 /8.7	2 x 8.7	UI601080	
CPS20/Multinox-VE 200/65	2"	350	6.3	230 /14.4	2 x 14.4	UI601090	
CPS20/Multinox-VE 200/80	2"	350	7.8	230 /15.5	2 x 15.5	UI601200	



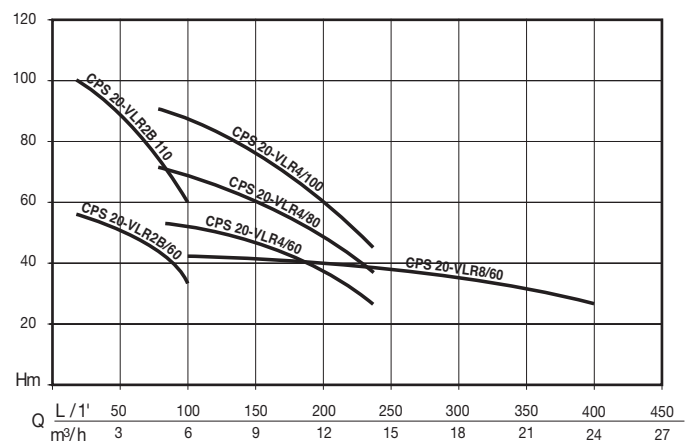
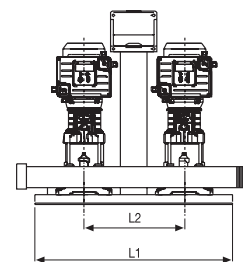
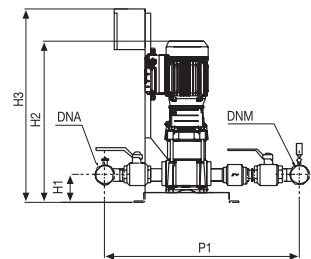
Model	L1	L2	H1	H2	H3	P1	DNA	DNM	Weight Kg
CPS20/Multinox 80/48	570	310	170	430	660	650	1½"	1½"	45
CPS20/Multinox 120/60	570	310	170	440	660	650	1½"	1½"	50
CPS20/Multinox-A 200/40	650	370	170	485	690	690	2"	2"	70
CPS20/Multinox-A 200/65	670	370	170	485	690	695	2"	2"	75
CPS20/Multinox-A 200/80	670	370	170	485	690	725	2"	2"	83
CPS20/Multinox-VE 200/40	460	320	40	183	450	740	2"	2"	60
CPS20/Multinox-VE 200/65	460	320	40	243	450	740	2"	2"	70
CPS20/Multinox-VE 200/80	460	320	40	260	450	740	2"	2"	79

PRESSURE BOOSTING SYSTEMS

CPS20 VLR TWIN PUMP BOOSTER SETS – VARIABLE SPEED

E

Model	Port Size BSP	Max L/Min	Max Bar	Volts/Amps	kW	Code	Price
CPS20-VLR2B/60	2"	100	5.7	230 /2 x 6.5	2 x 1.0	UI601100	
CPS20-VLR2B/110	2"	100	10.1	230 /2 x 10.5	2 x 1.1	UI601110	
CPS20/VLR 4-60	2"	240	5.5	230 /2 x 10.4	2 x 1.1	UI601120	
CPS20/VLR 4-80	2"	240	7.1	230 /2 x 14.2	2 x 1.1	UI601130	
CPS20/VLR 4-100	2"	240	9.1	230 /2 x 15.4	2 x 2.2	UI601190	
CPS20/VLR 8-40	2½"	400	4.2	230 /2 x 14.2	2 x 1.5	UI601140	



Model	L1	L2	H1	H2	H3	P1	DNA	DNM	Weight Kg
CPS20-VLR2B/60	600	370	80	633	700	620	2"	2"	60
CPS20-VLR2B/110	600	370	80	723	700	620	2"	2"	60
CPS20/VLR 4-60	600	370	75	687	810	660	2"	2"	70
CPS20/VLR 4-80	600	370	75	788	810	660	2"	2"	73
CPS20/VLR 4-100	600	370	75	842	810	660	2"	2"	89
CPS20/VLR 8-400	620	370	100	785	820	700	2½"	2½"	110

PRESSURE BOOSTING SYSTEMS

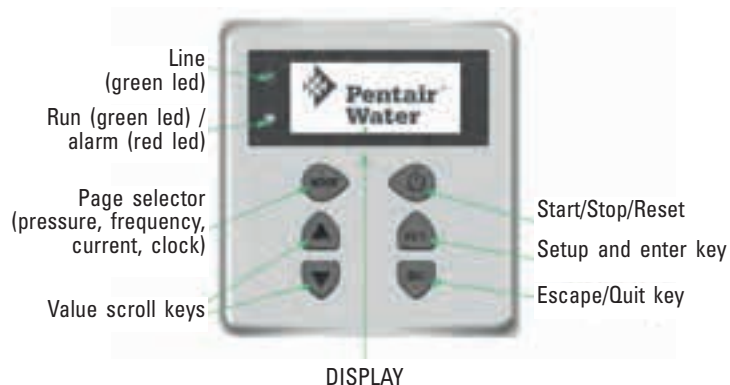
CPS3-10

E

CPS energy savings control system keeps constant pressure when pressure variations occur. CPS is a frequency converter integrated into the pump which adjusts motor speed so as to constantly provide users with the same pressure, even when demand for water changes.

Compact, reliable and easy to use CPS is suitable for various applications such as: Irrigation; pressurization; water transfer; residential, commercial and industrial applications.

CPS range shows an elegant design with a backlit graphic display which enables the user to check the operating status at any time.



Back-lit display (automatic turning off after a presettled time.

(It is possible to switch it on by pressing any button on the controller key)

- Motor speed % indicator
- Week days indicator
- Working status indication (settled parameters, watch, alarm notification, ext)
- Set up Menu indicator
- visualized parameter U.M.



- **EASY INSTALLATION**
- **ENERGY SAVING**
- **FLEXIBLE WORKING SYSTEM**

Working features

CPS working features are simple and user friendly. It feeds the electric motor of the pump adjusting (through a signal from pressure transducer) the motor's supply frequency according to the water demand. In this way the outgoing pressure is always constant (its value is set on CPS as set point).

CPS provides high levels of efficiency and greater flexibility in performance, while ensuring a high energy saving and avoiding the use of other control devices.

The new CPS range shows multiple functions:

- pressure measurement with possibility to handle two independent levels through an adjustable timer inserted internally or through external connection;
- Start and stop function;
- Internal clock
- Motor speed calculation
- Protection against dry running
- Over and under current protection
- Over and under voltage protection

Applications

- Pressure boosting
- Irrigation
- Water distribution
- Building
- Water transfer

Protection devices

- Dry running
- Overtemperature
- Overcurrent
- Frost protection through ext. device

Technical features

- Power input 3x380 - 3x500 Vac $\pm$ 10 % sinusoidal 50/60 Hz
- Output voltage 3x400 Vac $\pm$ 10 %
- Max nominal power 7,5 kW
- Input frequency 50/60 Hz $\pm$ 3%
- Max output current 16 A
- Protection IP55 (in case of installation on motors with a protection $\geq$ IP55)
- Max ambient temp +50°C
- Wave type sinusoidal
- Input filter In compliance with EMC directive
- Pressure transmitter 0 - 5 Volt - 0 - 10 Bar / 0 - 20 Bar according to pump model
- Set point 2
- Connections RS 485 port
- Free contacts 3 (ext set point, alarm, system inhibition)

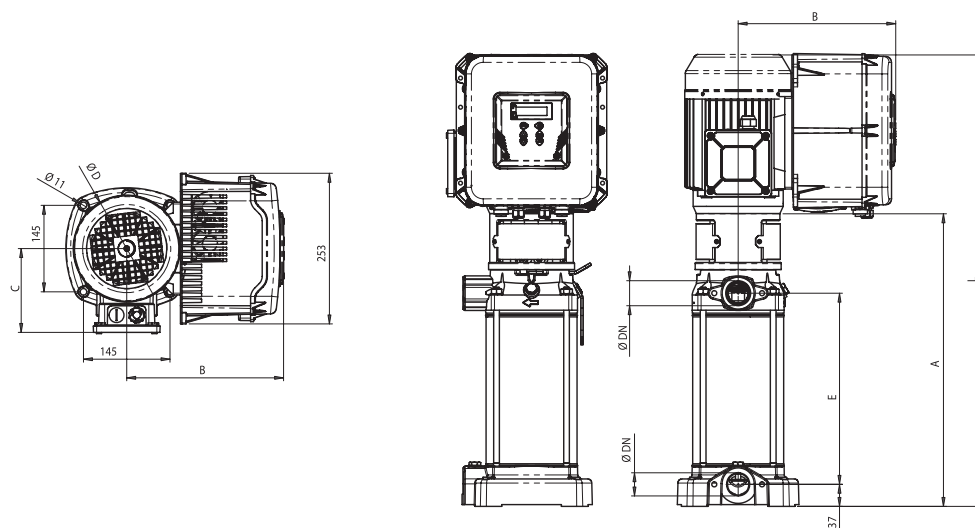
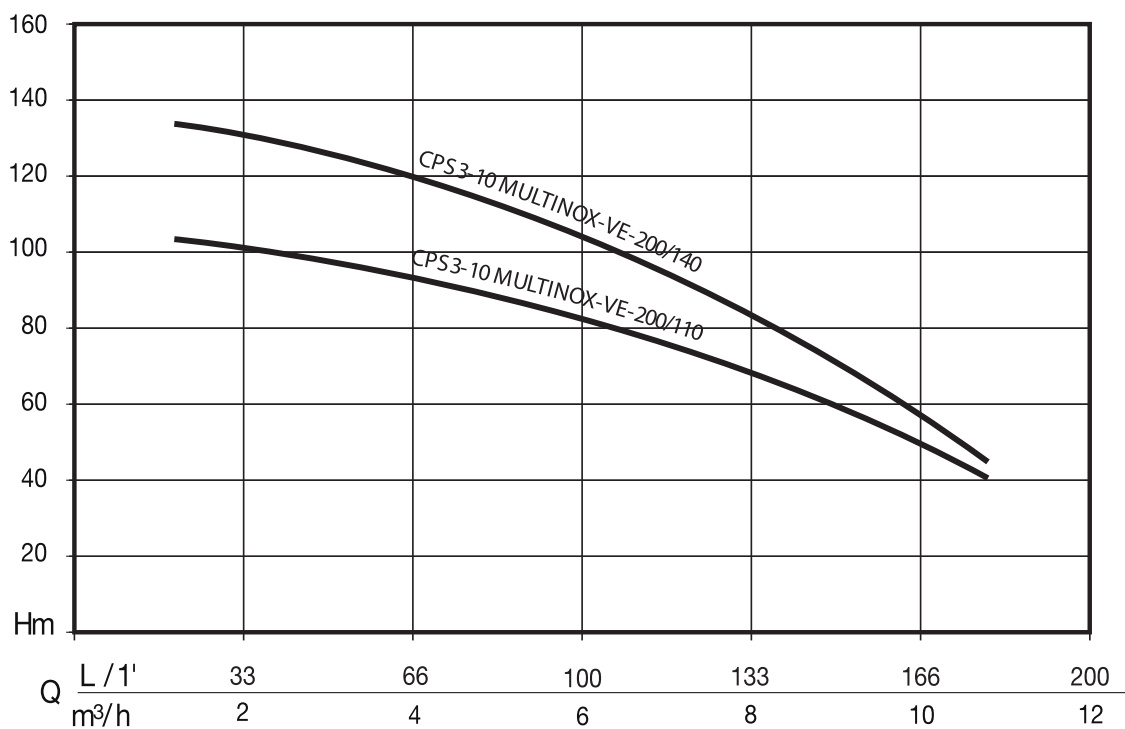


PRESSURE BOOSTING SYSTEMS

CPS3-10

E

Model	V	P2 HP KW		A	Q	l/min m³/h	20 1.2	60 3.6	100 6.0	140 8.4	180 10.8	Code	Price
CPS3-10 Multinox-VE 200/110	3-400	3.5	2.6	7.4	m.c.a. m.w.c.		101	96	83	64	39	N4800130	
CPS3-10 Multinox-VE 200/140	3-400	5.5	4.0	9.7			134	125	106	82	46	N4800140	



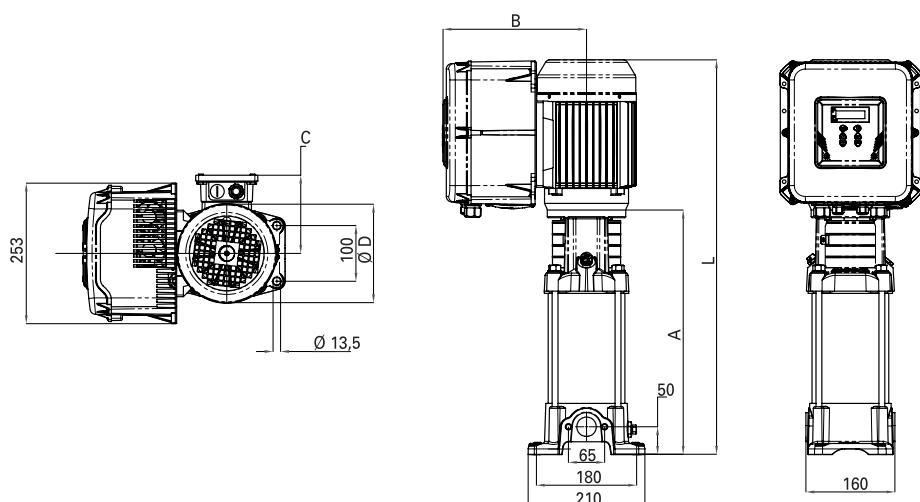
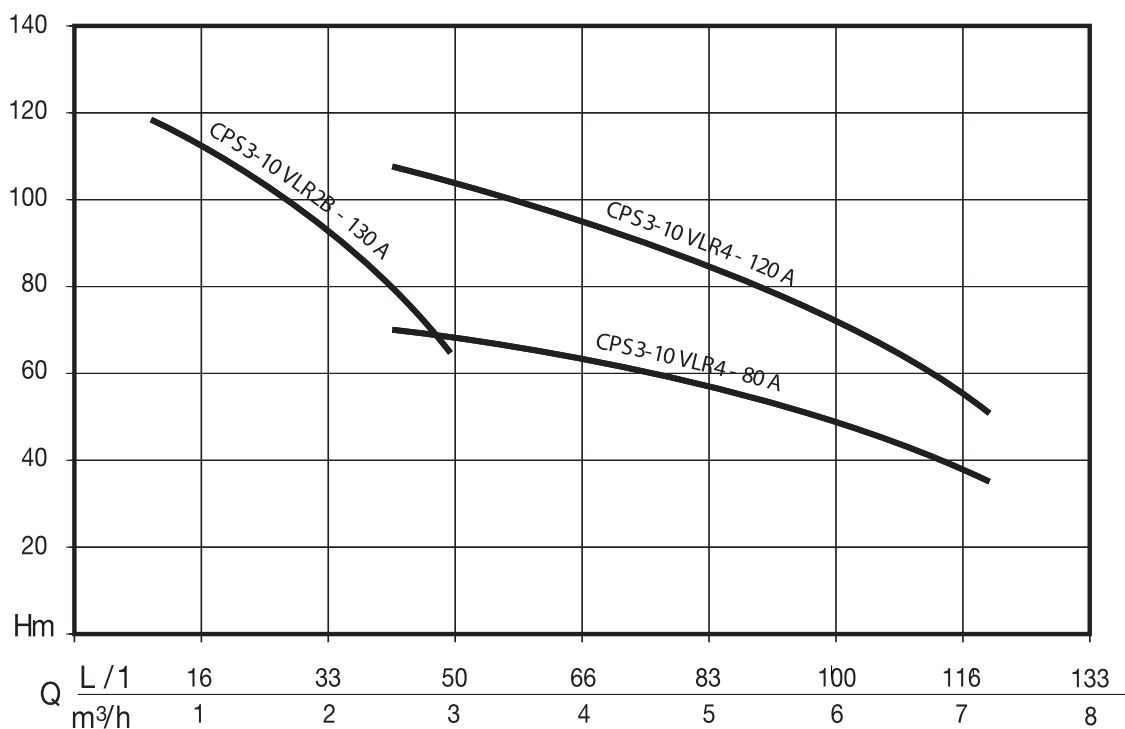
Model	Dimensions (mm)					DN	L	Weight kg
	A	B	C	D	E			
CPS3-10 Multinox-VE 200/110	491	265	140	177	320	1 1/4"	760	42
CPS3-10 Multinox-VE 200/140	575	275	145	198	404	1 1/4"	875	45

PRESSURE BOOSTING SYSTEMS

CPS3-10

E

Model	V	P2		A	Q	l/min m³/h	10	20	30	40	50	60	80	100	120	Code	Price
		HP	KW				0.6	1.2	1.8	2.4	3	3.6	4.8	6	7.2		
CPS3-10 VLR2B-130 A	3-400	2	1.5	3.8	m.c.a. m.w.c.	118	111	101	85	85						N4800010	
CPS3-10 VLR4-80 A	3-400	2	1.5	4.1					71	69	86	58	49	35		N4800020	
CPS3-10 VLR4-120 A	3-400	3	2.2	6.0					106	103	99	87	73	53		N4800030	



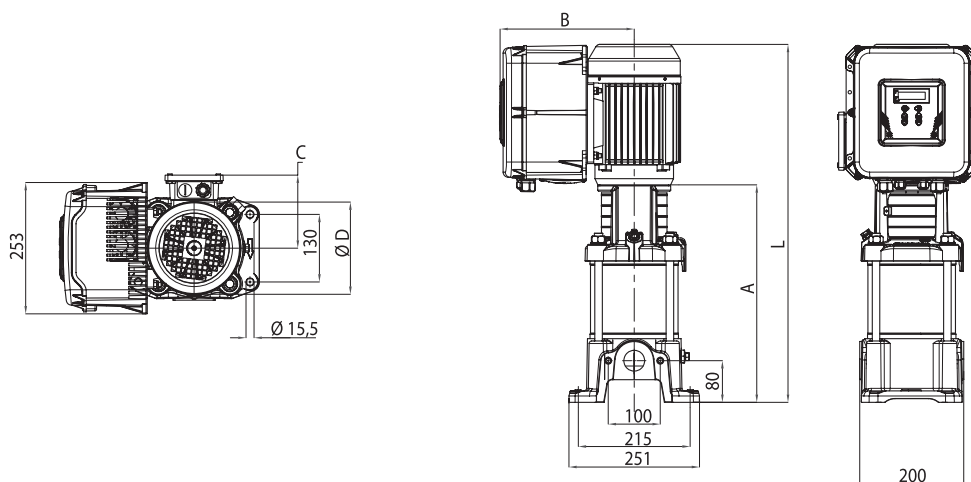
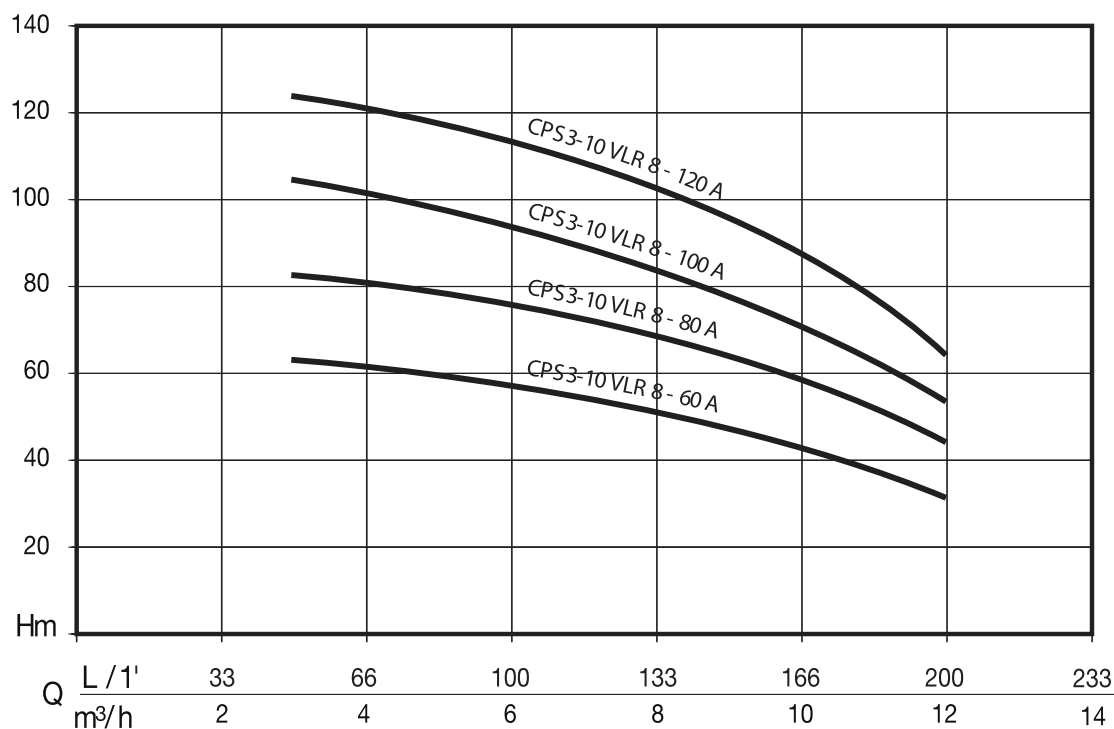
Model	Dimensions (mm)					Weight kg
	A	B	C	D	L	
CPS3-10 VLR2B-130 A	440	258	140	177	725	43
CPS3-10 VLR4-80 A	422	258	140	177	707	39
CPS3-10 VLR4-120 A	530	258	140	177	815	43

PRESSURE BOOSTING SYSTEMS

CPS3-10

E

Model	V	P2		A	Q	l/min	50	100	150	175	200	Code	Price
		HP	KW			m³/h	3	6	9	10.5	12		
CPS3-10 VLR8-60 A	3-400	3	2.2	5.4		62	58	48	41	33	N4800040		
CPS3-10 VLR8-80 A	3-400	3	3	7.0	m.c.a.	82	77	64	55	44	N4800050		
CPS3-10 VLR8-100 A	3-400	5.5	4	8.3	m.w.c.	103	96	80	69	55	N4800060		
CPS3-10 VLR8-120 A	3-400	5.5	4	10		124	115	96	82	65	N4800070		



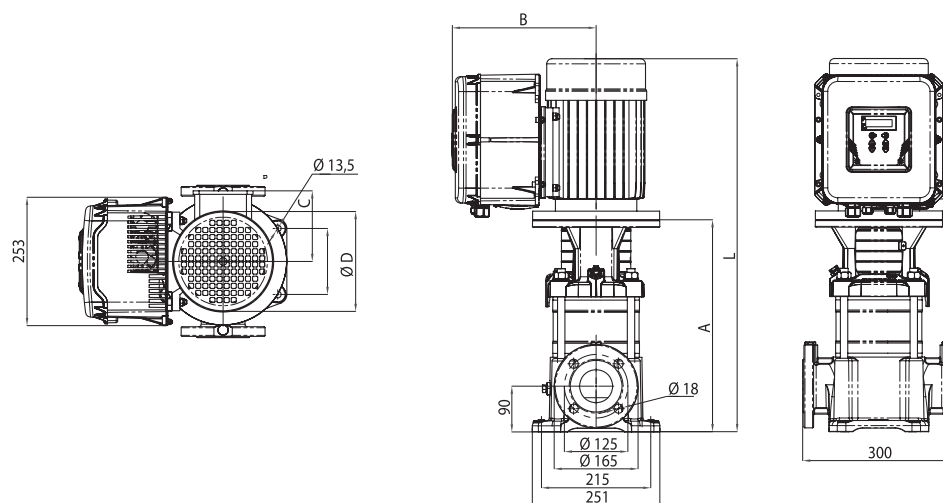
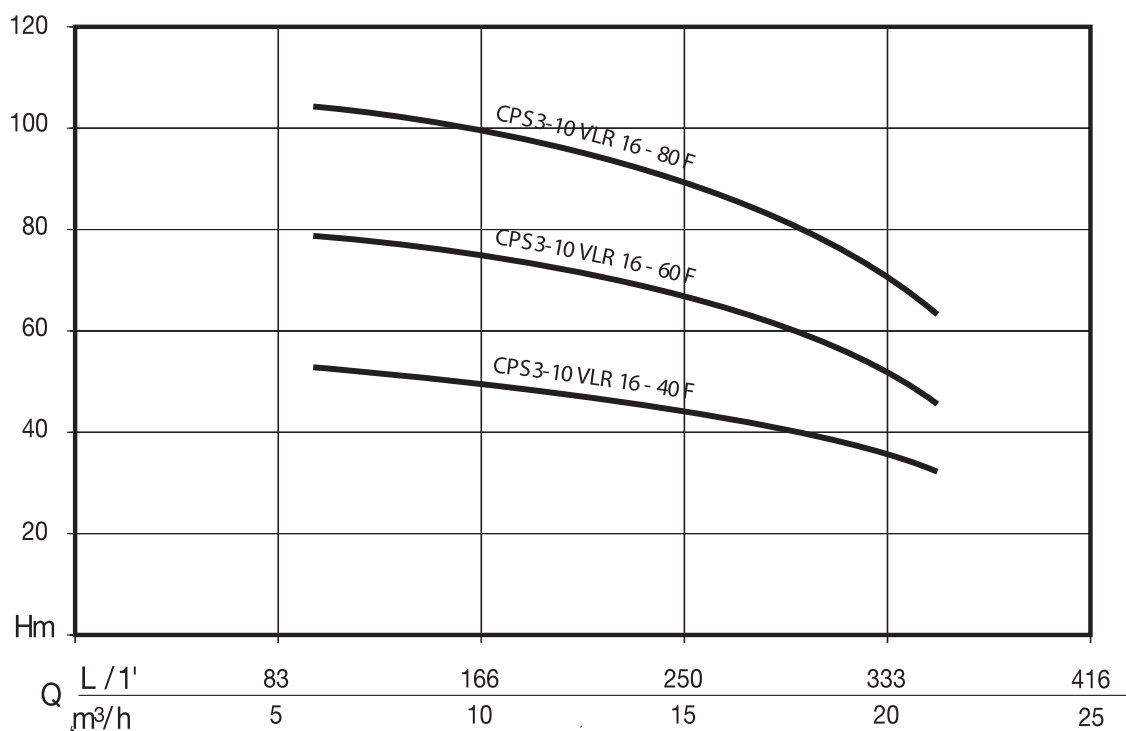
Model	Dimensions (mm)					Weight kg
	A	B	C	D	L	
CPS3-10 VLR8-60 A	450	258	140	177	735	49
CPS3-10 VLR8-80 A	515	268	145	198	832	57
CPS3-10 VLR8-100 A	575	268	145	198	892	58
CPS3-10 VLR8-120 A	635	268	145	198	952	62

PRESSURE BOOSTING SYSTEMS

CPS3-10

E

Model	V	P2		A	Q	l/min m³/h	100	200	250	300	350	Code	Price
		HP	KW				6	12	15	18	21		
CPS3-10 VLR 16-40 F	3-400	5.5	4	8.5	m.c.a. m.w.c.	52	49	46	40	32		N4800080	
CPS3-10 VLR 16-60 F	3-400	7.5	5.5	12.5		78	74	69	61	47		N4800090	
CPS3-10 VLR 16-80 F	3-400	10	7.5	16.8		104	98	92	81	63		N4800280	



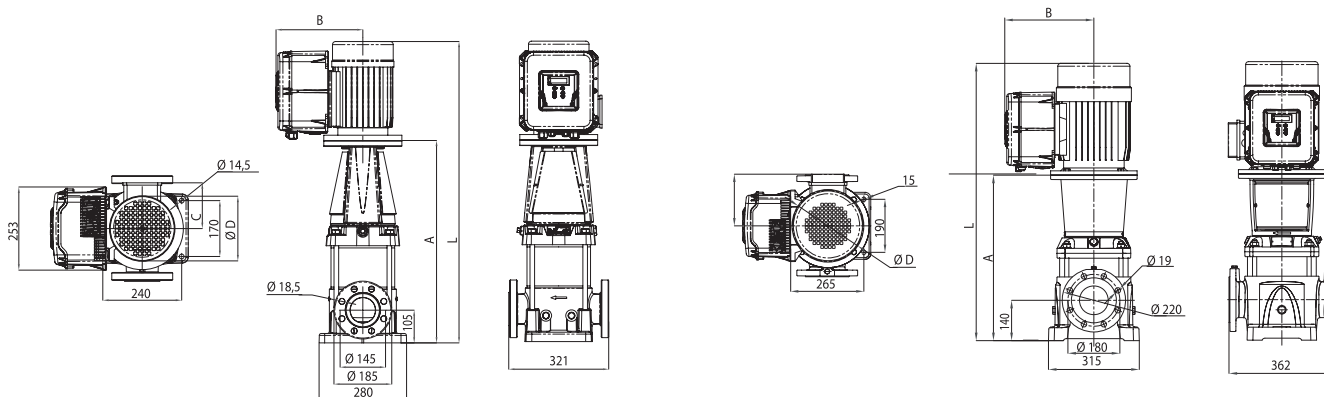
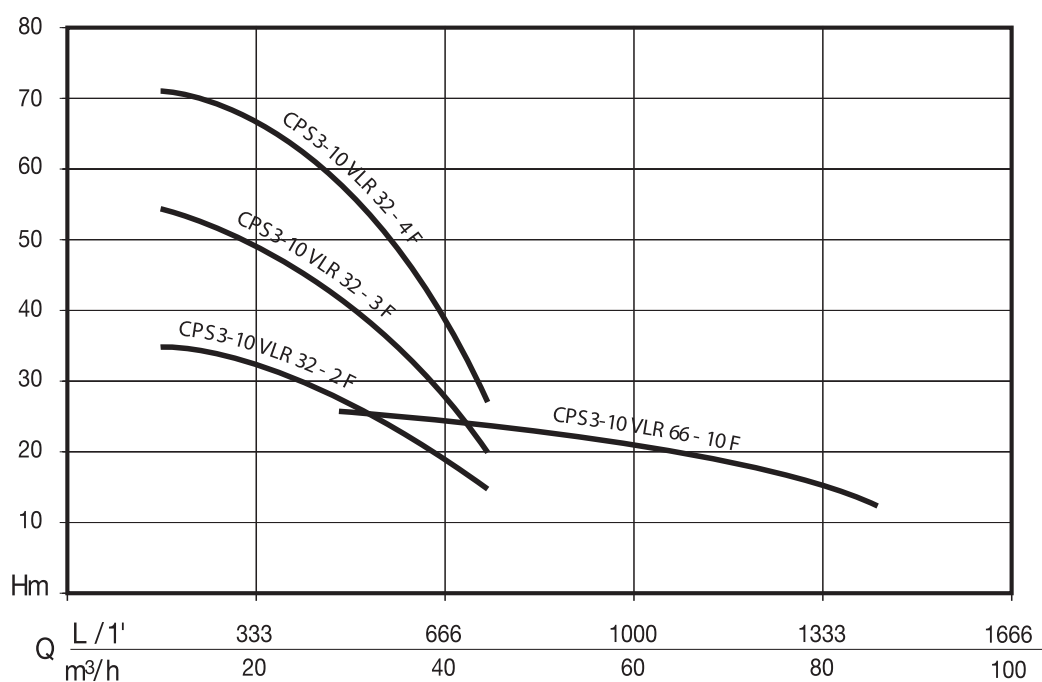
Model	Dimensions (mm)					Weight kg
	A	B	C	D	L	
CPS3-VLR 16-40 F	462	285	145	198	780	65
CPS3-VLR 16-60 F	573	315	185	260	970	90
CPS3-VLR 16-80 F	663	315	185	260	1100	98

PRESSURE BOOSTING SYSTEMS

CPS3-10

E

Model	V	P2		A	Q	l/min m³/h	200	400	500	600	700	800	1000	1200	1300	1417	Code	Price
		HP	KW				12	24	30	36	42	48	60	72	78	85		
CPS3-10 VLR 32-2 F	3-400	5.5	4	8.7	m.c.a. m.w.c.	35	31	27	22	14							N4800100	
CPS3-10 VLR 32-3 F	3-400	7.5	5.5	13.5		53	47	41	33	20							N4800110	
CPS3-10 VLR 32-4 F	3-400	10	7.5	17.8		71	63	55	44	27							N4800290	
CPS3-10 VLR 66-10 F	3-400	7.5	5.5	13.6				26	25	24	23	21	18	16	13		N4800120	



Model	Dimensions (mm)					Weight kg
	A	B	C	D	L	
CPS3-10 VLR 32-2 F	650	285	145	220	975	100
CPS3-10 VLR 32-3 F	770	315	185	260	1160	110
CPS3-10 VLR 32-4 F	840	315	185	260	1270	127
CPS3-10 VLR 66-10 F	574	315	185	260	970	113

PRESSURE BOOSTING SYSTEMS

CPS3-20

THREE PHASE BOOSTER SETS WITH 2 VARIABLE SPEED ELECTRIC PUMPS

E

The new series of CPS 3/20 variable speed booster sets represents a reliable and easy to use solution for residential and industrial applications.

Each pump installed in the system is equipped with a CPS 3 frequency changer. Directly integrated on the pump motor it reduces or increases the speed based on the effective water demand.

- **EASY INSTALLATION**
- **ENERGY SAVING**
- **FLEXIBLE WORKING SYSTEM**

Working features

When there is a pressure decrease in the system, CPS starts the first pump to reach the set point pressure. The pump's speed depends on water demand. In case of an excessive system's pressure decrease, the CPS starts the pump and regulates its speed until the operating pressure is re-established.

If water consumption increases, the control system raises the speed of the pump up to the maximum set value. If water consumption decreases the speed of the pump is reduced up to its minimum. If there is no further water demand the pump stops.

CPS 3/20 shows five working functions.

Basement

Galvanized plate with silent block.

Suction manifold

AISI 304 stainless steel with 2 ball valves.

Discharge manifold

AISI 304 stainless steel with

- n. 2 ball valves
- n. 2 check valves
- n. 2 pressure sensors
- Pressure gauge

Technical features

- | | |
|-------------------------|---|
| - Power input: | 3x380-500 Vac |
| - Output voltage: | 3x380-500 Vac |
| - Max nominal power: | 2x5,5 kW - 2x7.5Kw |
| - Input frequency: | 50/60 Hz |
| - Max output current: | 11,5 A - 16 A |
| - Protection: | IP55-VLR |
| | IP44-MULTINOX-VE |
| - Input filter: | in accordance with EMC directive |
| - Pressure transmitter: | 0-5 Volt 0-10 bar |
| - Connections: | RS 485 ports |
| - Free contacts: | 3 (ext set point, alarm, system inhibition) |

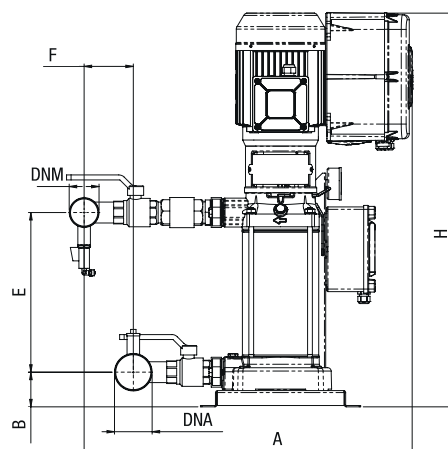
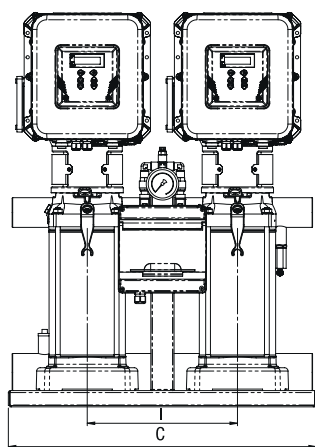
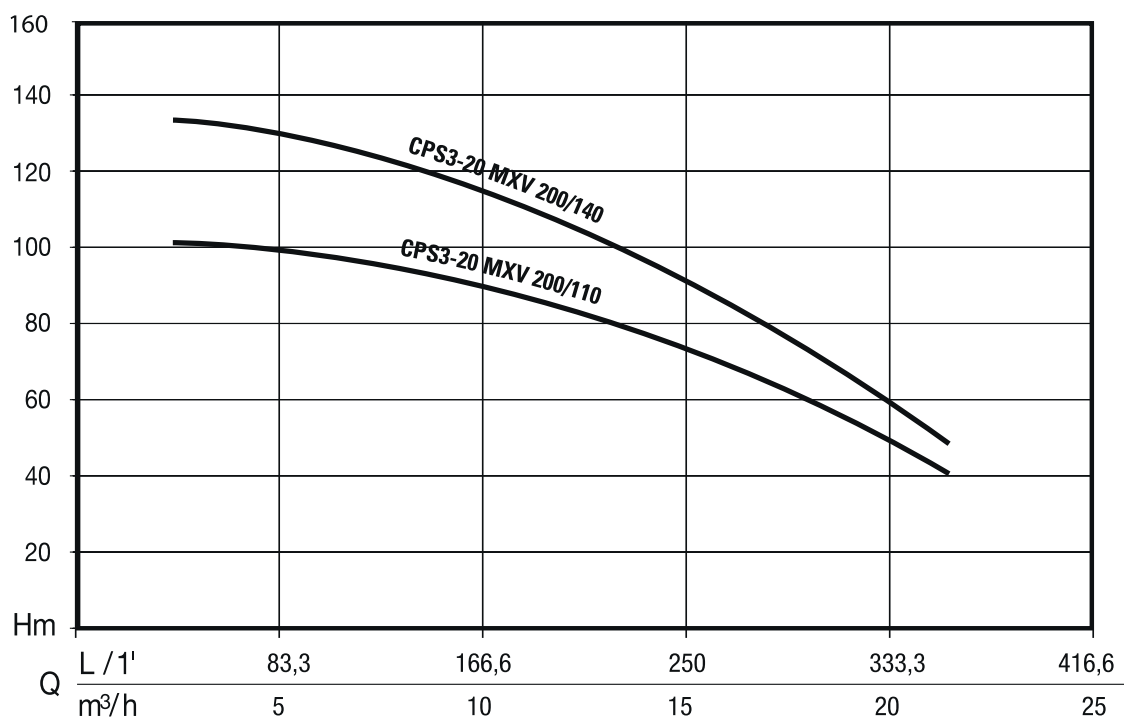


PRESSURE BOOSTING SYSTEMS

CPS3-20 / MXV THREE PHASE BOOSTER SETS WITH 2 VARIABLE SPEED ELECTRIC PUMPS

E

Model	V	P2		A	Q	l/min m³/h	40	120	200	280	360	Code	Price
		HP	KW				2.4	7.2	12	16.8	21.6		
CPS3-20 MXV 200/110	3-400	2x3.5	2x3.6	2x7.4	m.c.a.	101	101	96	83	64	39	UI800110	
CPS3-20 MXV 200/140	3-400	2x5.5	2x4	2x9.7	m.w.c.	134	134	126	108	84	51	UI800120	



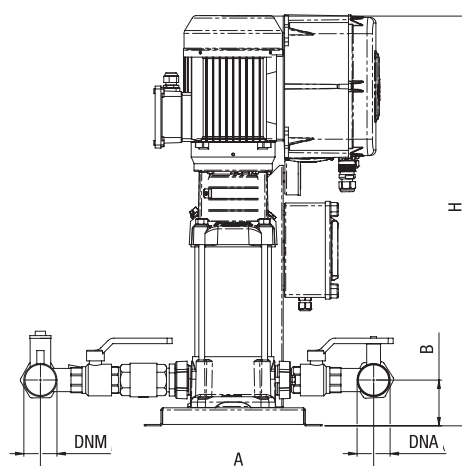
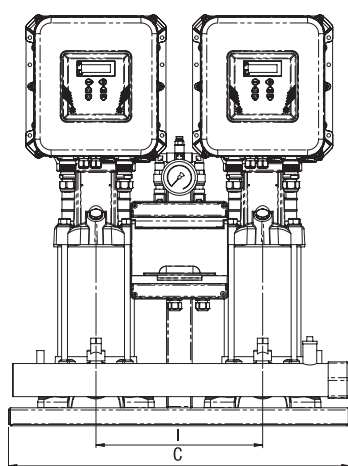
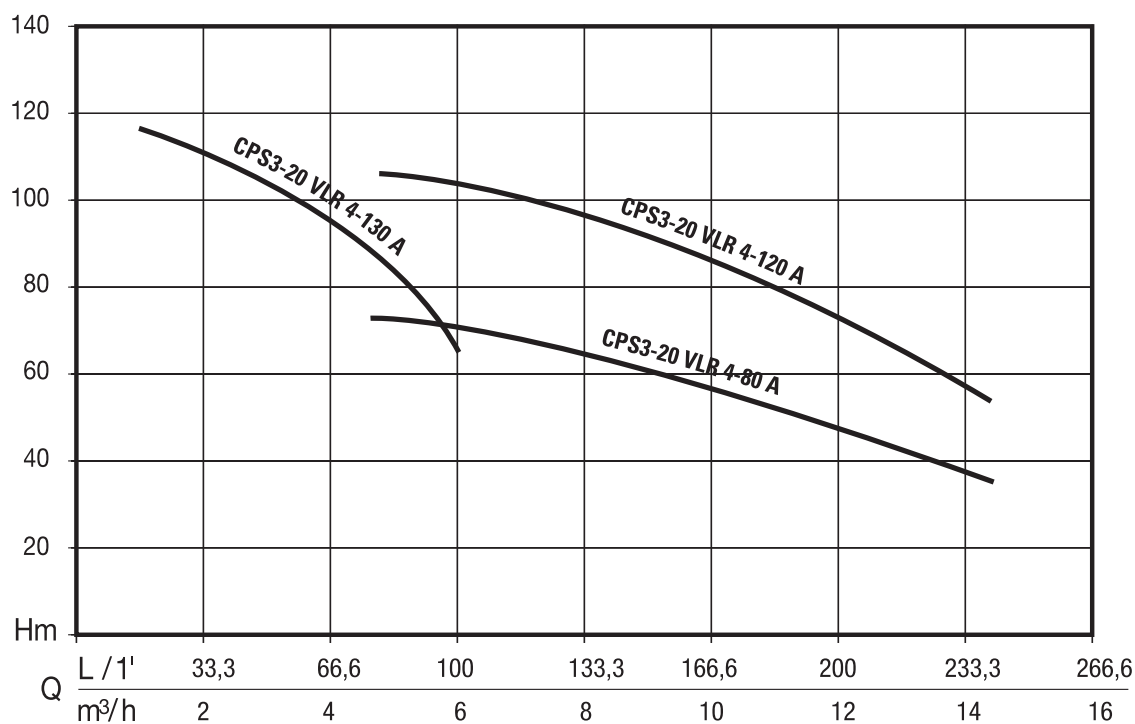
Model	Dimensions (mm)						I	DNA	DNM	Weight kg
	A	B	C	E	F	H				
CPS3-20 MXV 200/110	660	70	620	320	100	790	300	2½"	2"	110
CPS3-20 MXV 200/140	660	70	620	440	100	910	300	2½"	2"	116

PRESSURE BOOSTING SYSTEMS

CPS3-20 / VLR2B VLR4 THREE PHASE BOOSTER SETS WITH 2 VARIABLE SPEED ELECTRIC PUMPS

E

Model	V	P2		A	Q	I/min	20	40	60	80	100	120	160	200	240	Code	Price
		HP	KW			m³/h	1.2	2.4	3.6	4.8	6	7.2	9.6	12	14.4		
CPS3-20 VLR 2B-130 A	3-400	2x2	2x1.5	2x3.8	m.c.a.	118	111	101	85	65						UI700010	
CPS3-20 VLR 4-80 A	3-400	2x2	2x1.5	2x4.1	m.w.c.				71	69	66	58	49	35		UI700020	
CPS3-20 VLR 4-120 A	3-400	2x3	2x2.2	2x6					106	103	99	87	73	53		UI700030	



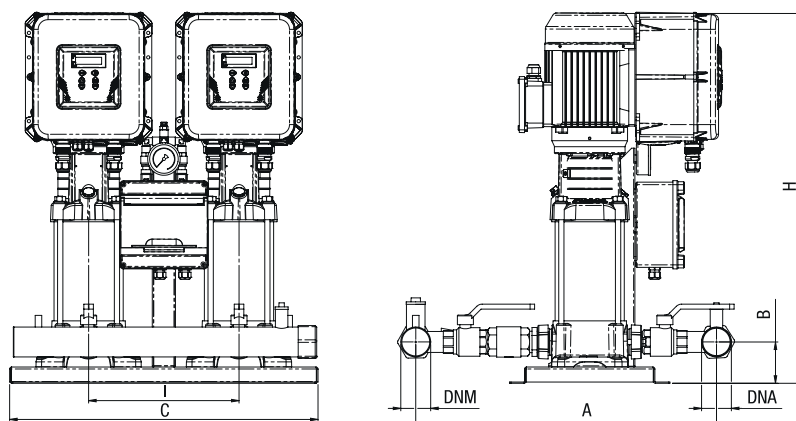
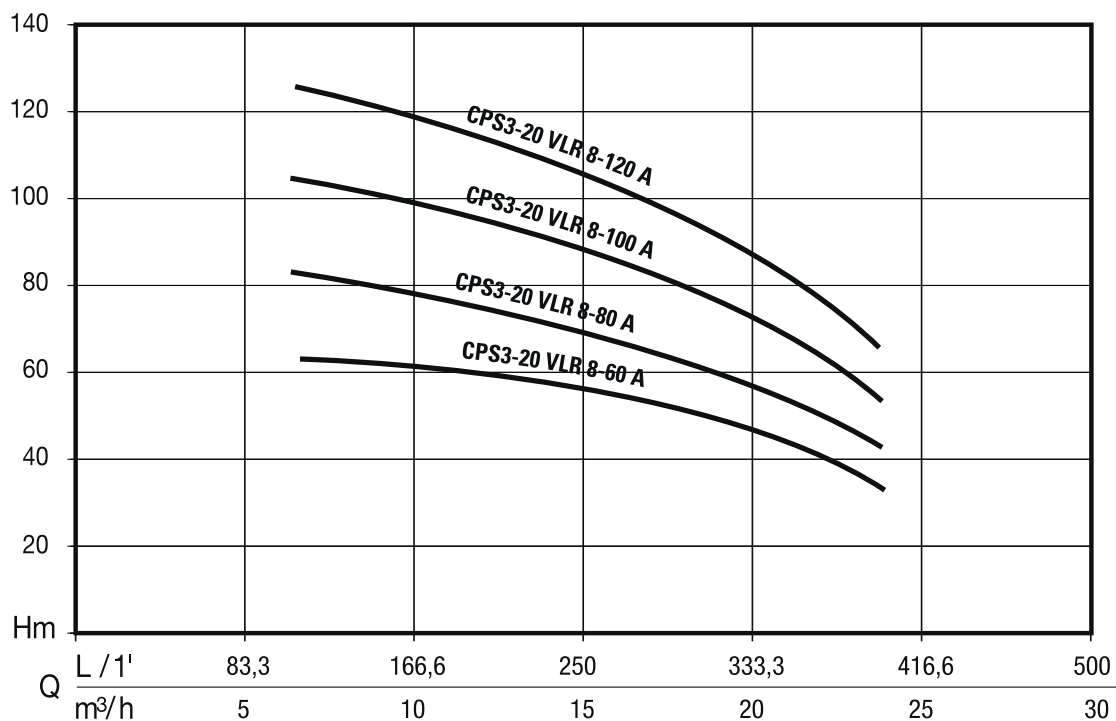
Model	Dimensions (mm)							Weight
	A	B	C	H	I	DNA	DNM	kg
CPS3-20 VLR 2B-130 A	600	85	620	760	300	2"	2"	110
CPS3-20 VLR 4-80 A	600	85	620	740	300	2"	2"	102
CPS3-20 VLR 4-120 A	600	85	620	845	300	2"	2"	110

PRESSURE BOOSTING SYSTEMS

CPS3-20 / VLR8 THREE PHASE BOOSTER SETS WITH 2 VARIABLE SPEED ELECTRIC PUMPS

E

Model	V	P2		A	Q	l/min	100	200	300	350	400	Code	Price
		HP	KW			m ³ /h	6	12	18	21	24		
CPS3-20 VLR 8-60 A	3-400	2x3	2x2.2	2x5.4	m.c.a.	62	58	48	41	33		UI700040	
CPS3-20 VLR 8-80 A	3-400	2x3	2x3	2x7		82	77	64	55	44		UI700050	
CPS3-20 VLR 8-100 A	3-400	2x5.5	2x4	2x8.3	m.w.c.	103	96	80	69	55		UI700060	
CPS3-20 VLR 8-120 A	3-400	2x5.5	2x4	2x10		124	115	96	82	65		UI700070	



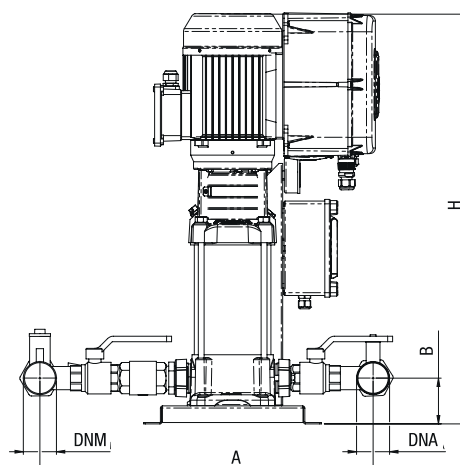
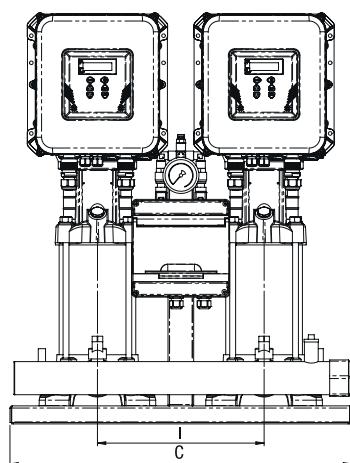
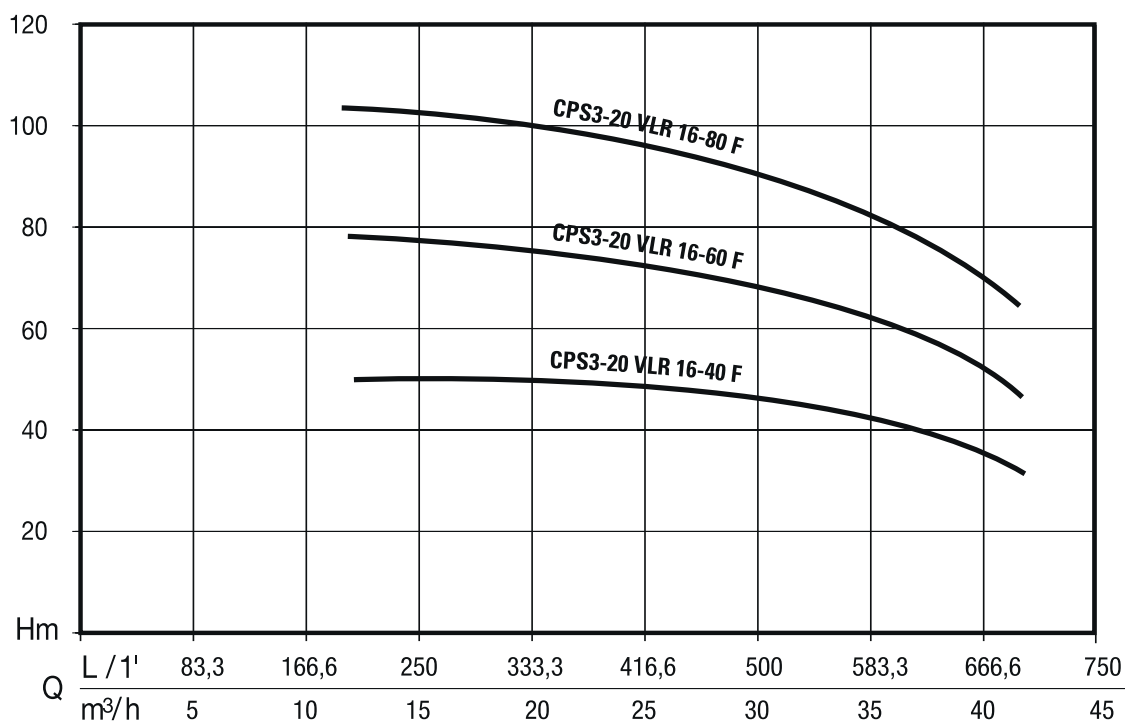
Model	Dimensions (mm)					DNA	DNM	Weight kg
	A	B	C	H	I			
CPS3-20 VLR 8-60 A	670	115	620	770	300	2 1/2"	2 1/2"	130
CPS3-20 VLR 8-80 A	670	115	620	870	300	2 1/2"	2 1/2"	145
CPS3-20 VLR 8-100 A	670	115	620	920	300	2 1/2"	2 1/2"	147
CPS3-20 VLR 8-120 A	670	115	620	980	300	2 1/2"	2 1/2"	155

PRESSURE BOOSTING SYSTEMS

CPS3-20 / VLR 16 THREE PHASE BOOSTER SETS WITH 2 VARIABLE SPEED ELECTRIC PUMPS

E

Model	V	P2		A	Q	l/min	200	400	500	600	700	Code	Price
		HP	KW			m³/h	12	24	30	36	42		
CPS3-20 VLR 16-40 F	3-400	2x5.5	2x4	2x8.5	m.c.a. m.w.c.	52	49	46	40	32	UI700080		
CPS3-20 VLR 16-60 F	3-400	2x7.5	2x5.5	2x12.5		78	74	69	61	47	UI700090		
CPS3-20 VLR 16-80 F	3-400	2x10	2x7.5	2x16.8		104	98	92	81	63	UI000100		



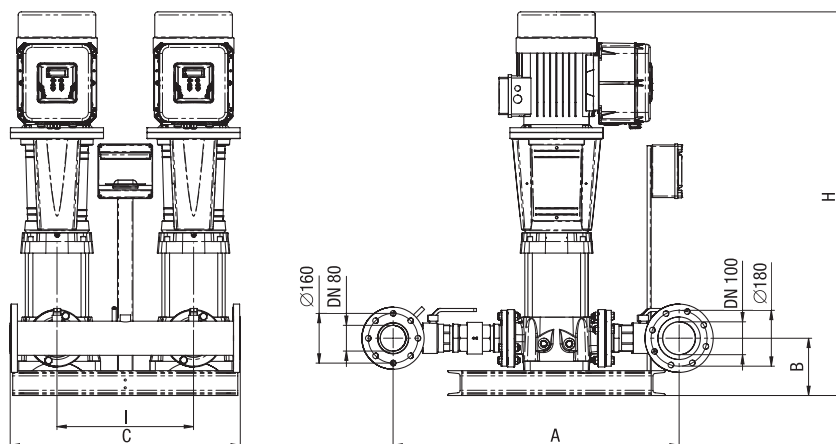
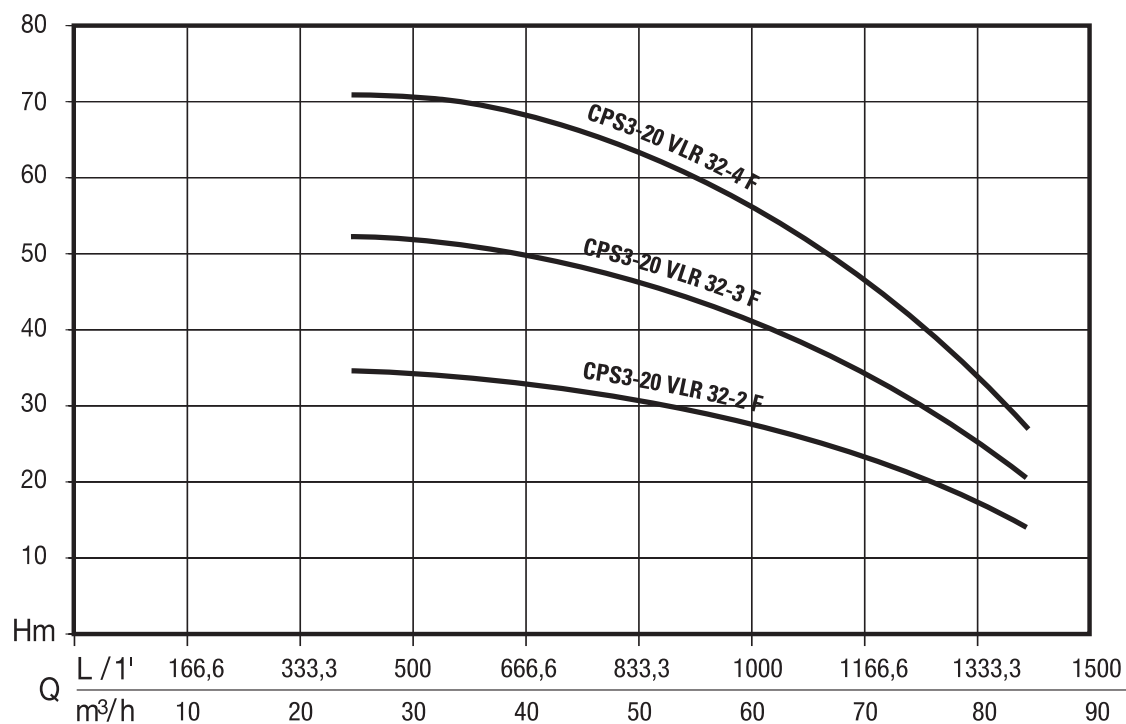
Model	Dimensions (mm)						DNA	DNM	Weight kg
	A	B	C	H	I				
CCPS3-20 VLR 16-40 F	850	125	710	815	360	3"	3"	160	
CCPS3-20 VLR 16-60 F	850	125	710	1000	360	3"	3"	210	
CCPS3-20 VLR 16-80 F	850	125	710	1130	360	3"	3"	226	

PRESSURE BOOSTING SYSTEMS

CPS3-20 / VLR 32 THREE PHASE BOOSTER SETS WITH 2 VARIABLE SPEED ELECTRIC PUMPS

E

Model	V	P2		A	Q	l/min 400	666	1000	1200	1400	Code	Price
		HP	KW			m³/h 24	40	60	72	84		
CPS3-20 VLR 32-2 F	3-400	2x5.5	2x4	2x8.5	m.c.a. m.w.c.	35	33	27	22	14	UI700110	
CPS3-20 VLR 32-3 F	3-400	2x7.5	2x5.5	2x13.5		53	50	41	33	20	UI700120	
CPS3-20 VLR 32-4 F	3-400	2x10	2x7.5	2x17.8		71	68	55	44	27	UI700130	

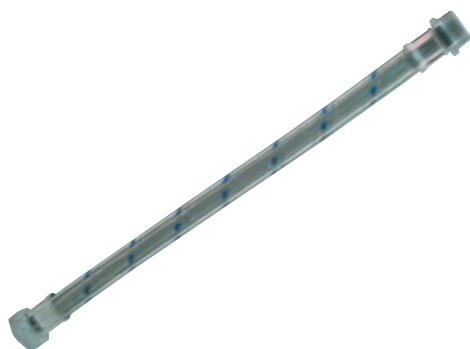


Model	Dimensions (mm)					Weight kg
	A	B	C	H	I	
CPS3-20 VLR 32-2 F	950	185	750	1055	440	300
CPS3-20 VLR 32-3 F	950	185	750	1240	440	320
CPS3-20 VLR 32-4 F	950	185	750	1350	440	360

PRESSURE BOOSTING SYSTEM ACCESSORIES

PRESSURE KIT ACCESSORIES

E



TUBIFLEX – FLEXIBLE BRAIDED HOSES

SIZE BSP x mm	CODE Straight M/F	PRICE	CODE C/W Elbow M/F	PRICE
1" x 500mm	060-040		/	
1" x 600mm	060-042		060-056	
1" x 700mm	060-044		/	
1" x 800mm	060-046		060-058	
1" x 1000mm	060-047		/	
1 1/4" x 400mm	060-048		060-060	
2" x 500mm	060-052		/	

BRASS MULTIWAY FITTINGS

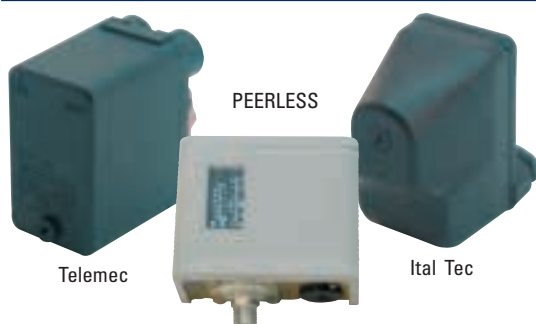
SIZE BSP	CODE	PRICE
R3-V 1" x 1" x 1"	060-010	
R5-V 1" x 1" x 1" x 1/4" x 1/4"	060-012	



R3V



R5V



Telemec

PEERLESS

Ital Tec

Italtechnica and Telemecanique are basic pressure switches. Both have a 1/4" female bsp connection.

Fantini and Peerless give you precise control with setting on/off and differential pressure by the aid of visual gauges. The Fantini has a 1/4" female bsp connection and the Peerless has a 1/4" male bsp connection.

PRESSURE SWITCHES

ITEM	ADJUSTMENT	CODE	PRICE
ITALTECHNICA PM5	0-5 BAR	060-400	
ITALTECHNICA PM12	6-12 BAR	060-402	
VACUUM SWITCH	/	060-406	
TELEMECANIQUE XM6	1-6 BAR	060-410	
TELEMECANIQUE XM12	6-12 BAR	060-412	
FANTINI B12CN	0.2-8 BAR	060-414	
FANTINI B12DN	5-16 BAR	060-416	
PEERLESS HLP506	1-6 BAR	060-417	

PRESSURE GAUGES

ITEM	CODE	PRICE
MAP-6 6 BAR REAR	060-390	
MAP-10 10 BAR REAR	060-394	
MAR-6 6 BAR SIDE	060-392	
MAR-10 10 BAR SIDE	060-396	



MAR



MAP



QUICKSTOP FLOW REGULATOR

SIZE BSP	CODE	PRICE
3/4"	060-850	
1"	060-852	
1 1/4"	060-854	
1 1/2"	060-856	

PRESSURE BOOSTING SYSTEM ACCESSORIES

ACCUMULATOR – PRESSURE VESSELS

E

The accumulator vessel is a device that when fitted into a pressurised water system will provide system water at a pre-set, sustained pressure.

2-500 Litre								
10 Bar Max 8 Bar Working 99°C Max up to 500 Litre								
Model	Capacity Litres	Orientation	Aux Connection	Main Connection	L x D x H	kg	Code	Price
AC2	2	No Mount	—	3/4"	170 x 150 x ---	0.5	022-550	
AC5	5	No Mount	—	3/4"	240 x 204 x ---	1.8	022-551	
AC8	8	No Mount	—	3/4"	315 x 204 x ---	2.3	022-552	
AC25	25	No Mount	—	1"	470 x 270 x ---	4.8	022-553	
AC25 GPM	25	Horizontal	—	1"	470 x 270 x 290	5	022-554	
AFH 60	60	Horizontal	3/4"	1"	675 x 400 x 480	12.5	022-556	
AFH 100	100	Horizontal	3/4"	1"	720 x 500 x 585	17.5	022-559	
AFH 200	200	Horizontal	3/4"	1 1/4"	970 x 600 x 665	48.3	022-580	
AFH 300	300	Horizontal	3/4"	1 1/4"	1130 x 650 x 705	55	022-610	
AFV 60	60	Vertical	3/4"	1"	--- x 400 x 750	12.5	022-557	
AFV 100	100	Vertical	3/4"	1"	--- x 500 x 805	17.5	022-560	
AFV 200	200	Vertical	3/4"	1 1/4"	--- x 600 x 1065	48.3	022-590	
AFV 300	300	Vertical	3/4"	1 1/4"	--- x 650 x 1270	60	022-620	
AFV 500	500	Vertical	3/4"	1 1/4"	--- x 775 x 1420	80	022-622	

Note: Elbi vessels are changing from red in colour to blue. Depending on stock, red vessels may still be available.

25-500 Litre								
16 Bar Max 99°C Max								
Model	Capacity Litres	Orientation	Aux Connection	Main Connection	L x D x H	kg	Code	Price
AFV 24-16	24	No Mount	—	1"	470 x 270 x ---	6	022-631	
AFV 100-16	100	Vertical	3/4"	1"	--- x 500 x 800	25	022-632	
AFV 200-16	200	Vertical	3/4"	1 1/4"	--- x 600 x 1065	55	022-634	
AFV 300-16	300	Vertical	3/4"	1 1/4"	--- x 650 x 1270	70	022-635	
AFV 500-16	500	Vertical	3/4"	2"	--- x 775 x 1420	90	022-636	

2-60 Litre 304 Stainless Steel								
10 Bar Max 99°C Max								
Model	Capacity Litres	Orientation	Aux Connection	Main Connection	L x D x H	kg	Code	Price
HX2	2	No Mount	—	3/4"	230 x 146 x ---	1	022-640	
HX8	8	No Mount	—	1"	315 x 204 x ---	2.3	022-641	
HS 24	24	No Mount	—	1"	365 x 360 x ---	4.5	022-642	
HM 24 gpm	24	Horizontal	—	1"	470 x 270 x 290	4.5	022-644	
HM 60v	60	Vertical	3/4"	1"	--- x 400 x 750	15	022-645	
HM 60H	60	Horizontal	3/4"	1"	675 x 400 x 480	15	022-647	

Replacement Bladders/Membranes			
Model	Capacity Litres	Code	Price
AC 5-8	5 - 8	022-532	
AC 25	25	022-534	
AF 60-100	60 - 100	022-536	
AF 200	200	022-538	
AF 300	300	022-540	
AF 500	500	022-542	
AF 500 16 BAR	500	022-543	



8 Litre
AC Series



AF Series



AF Series



25 Litre
HX-HM Series



2 Litre

SURFACE MOUNTED PUMPS**CM RANGE****E****CENTRIFUGAL PUMPS IN CONFORMANCE WITH DIN 24255
FOR USE IN THE CIVIL, AGRICULTURAL AND INDUSTRIAL FIELDS**

The CM series is made up of single stage electric monobloc pumps with a flanged hydraulic/motor connection. The pump casing is manufactured in accordance with the provisions of DIN 24255-NF E 44 III-UNI 7467 standards, regarding hydraulic dimensions and connection points. The pumps may be installed in all positions, except where the suction point is directed downwards. The design of these machines allows the rotating parts and the motor to be removed from the pump casing without having to disconnect the pipes. Thus any maintenance is easily and quickly performed.

Standard Design Features:

Cast iron pump casing, motor bracket and impeller. Stainless steel shaft. Mechanical seal with ceramic/graphite counterfaces. Flanged connection points DN32 – DN80 2236 PN10 standards. Threaded type counter flanges UNI 2254.

Clean water pumping only, non aggressive, non explosive and free from abrasives and fibres. Liquid temperature from -10°C to 90°C. Environmental temperature up to 40°C max. Maximum operating pressure 10 bar.

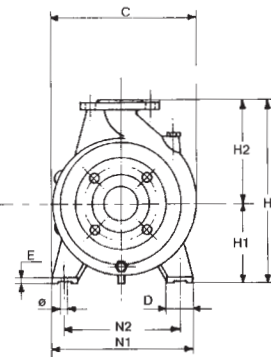
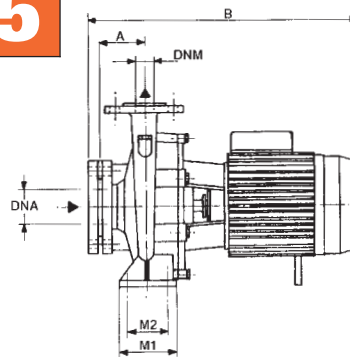
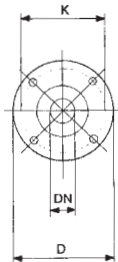
Applications include:

Irrigation supply, heating and air conditioning systems, water supply, liquid transfer and fire fighting systems.

SURFACE MOUNTED PUMPS

CM DIN 24255

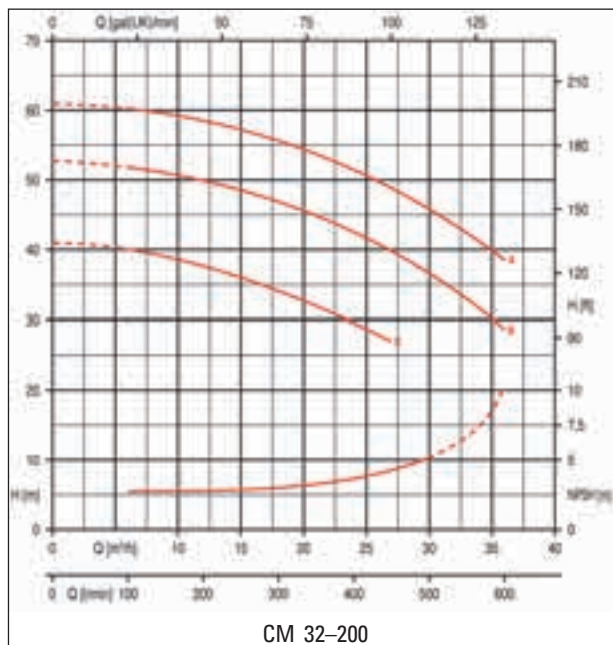
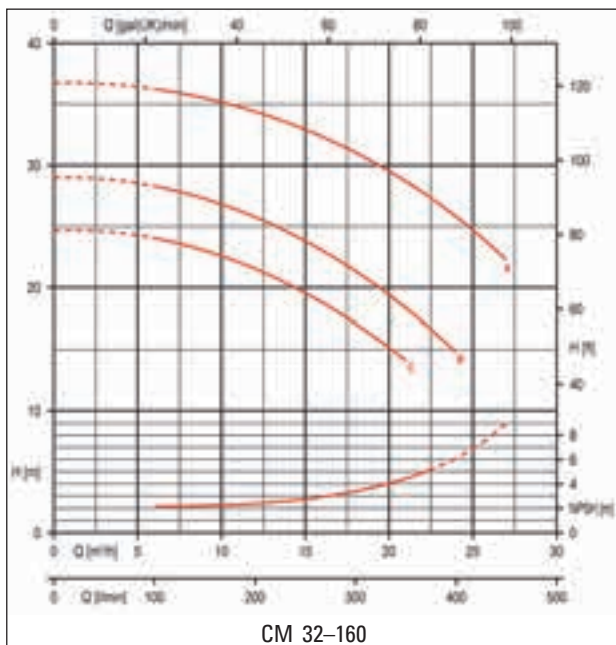
Dimensions (mm)				
DN	D	K	Holes	
			n°	Dia.
32	140	100	4	18
40	150	110	4	18
50	165	125	4	18
65	185	145	4	18
80	200	160	4	18
100	220	180	8	18



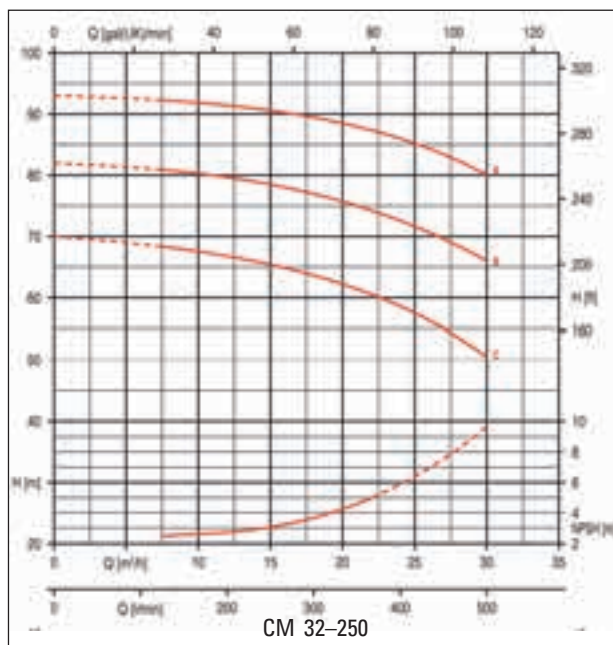
Model		Dimensions (mm)														Weight kg							
		DNM	DNA	A	H ₁	H ₂	M ₁	M ₂	N ₁	N ₂	D	E	Ø	B	C		H						
CM 32/160	C	32	50	80			100	70	240	190	50	12	14				38						
	B				132	160													39				
	A																		42				
CM 32/200	C				160	180	125	95	320	250	65	14			505	268	340	52					
	B													565				63					
	A																	69					
CM 32/250	C				100	180	225	125	95	320	250	65		14		625	305	405	83				
	B														695				90				
	A																		120				
CM 40/125	C	40	65	80	112	140	100	70	210	160	50	12	14	495	220	252	36						
	B																				37		
	A																				40		
CM 40/160	B				132	160	100	70	240	190	50	15		14	500	245	292	47					
	A																						50
																							65
CM 40/200	B				160	180	125	95	320	250	65	15		14	590	273	340	71					
	A																						91
																							121
CM 40/250	B		180	225	125	95	320	250	65	15	14	630	700	322	405	91							
	A																				121		
CM 50/125	B	50	65	100	132	160	100	70	240	190	50	12	14	525	250	292	47						
	A																				50		
																					65		
CM 50/160	B				150	180	100	70	265	212	50	12		14	590	270	340	71					
	A																						82
																							89
CM 50/200	C				160	200	125	95	320	250	65	14		14	635	290	360	122					
	B																						125
	A																						140
CM 50/250	C		180	225	125	95	320	250	65	14	14	705	332	405	149								
	B																			253			
	A																						
CM 65/125	B	65	80	100	160	180	125	95	280	212	65	14	14	605	280	340	64						
	A																					70	
																						84	
CM 65/160	C				160	200	125	95	320	250	65	14		14	635	290	360	90					
	B																						120
	A																						122
CM 65/200	C				180	225	125	95	320	250	65	14		14	705	330	405	138					
	B																						148
	A																						239
CM 65/250	B		200	250	160	120	360	280	80	16	19	850	370	450	253								
	A																						
CM 80/160	D	80	100	125	180	225	125	95	320	250	65	14	14	665	330	405	99						
	C																	735			129		
	B																	780			143		
CM 80/200	A				180	225	125	95	345	280	65	16		14	870	355	405	152					
	B																						233
	A																						247

SURFACE MOUNTED PUMPS

CM 32

E


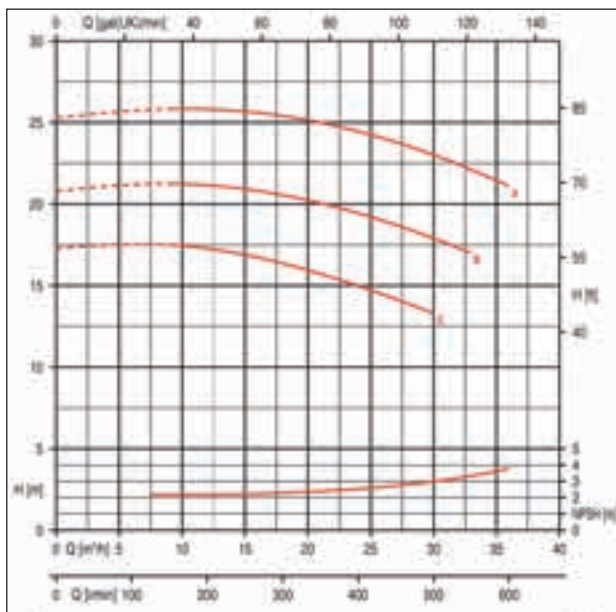
CM SURFACE MOUNTED PUMP



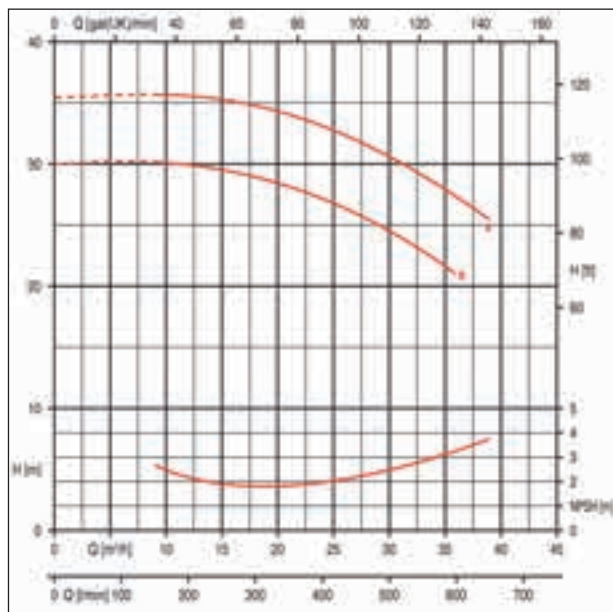
MODEL	Motor Power		VOLTAGE	Amp. 3 x 400 V	CODE	PRICE
	HP	KW				
CM 32/160 C	2	1,5	3 ~ 230 ÷ 400 V	4	573-2KKK	
CM 32/160 B	3	2,2	3 ~ 230 ÷ 400 V	5,2	573-3KKK	
CM 32/160 A	4	3	3 ~ 230 ÷ 400 V	7,1	573-4KKK	
CM 32/200 C	5,5	4	3 ~ 230 ÷ 400 V	9,4	573-5KKK	
CM 32/200 B	7,5	5,5	3 ~ 400 ÷ 690 V	14,2	573-7KKK	
CM 32/200 A	10	7,5	3 ~ 400 ÷ 690 V	16,5	573-9KKK	
CM 32/250 C	12,5	9,2	3 ~ 400 ÷ 690 V	20,1	574-0KKK	
CM 32/250 B	15	11	3 ~ 400 ÷ 690 V	24,2	574-1KKK	
CM 32/250 A	20	15	3 ~ 400 ÷ 690 V	30,1	574-2KKK	

SURFACE MOUNTED PUMPS

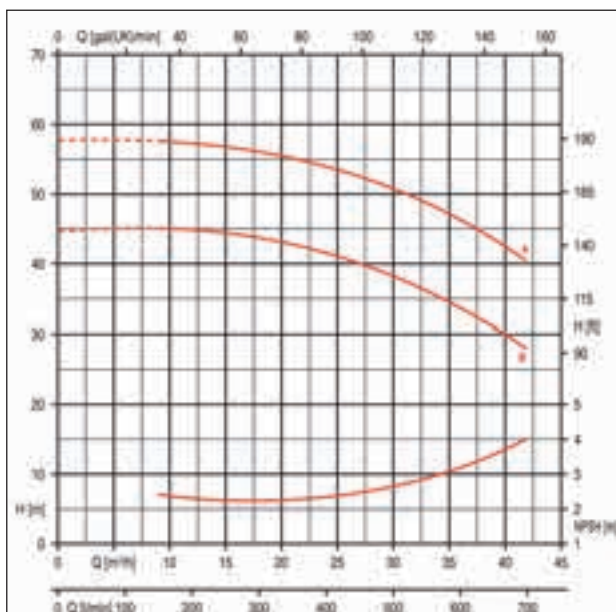
CM 40

E


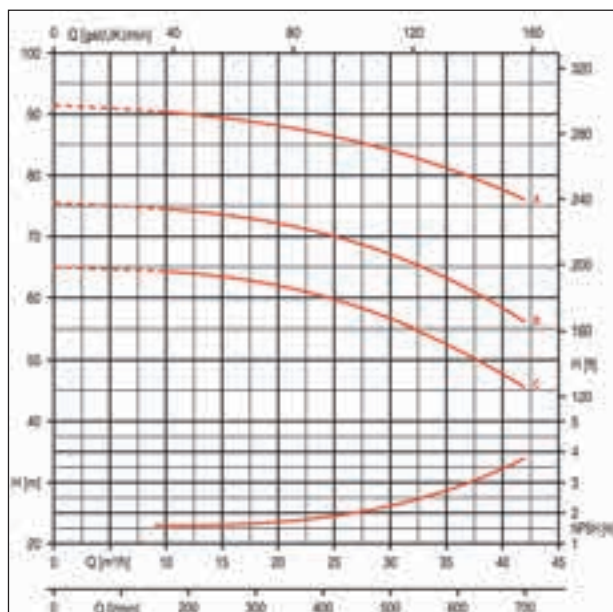
CM 40-125



CM 40-160



CM 40-200



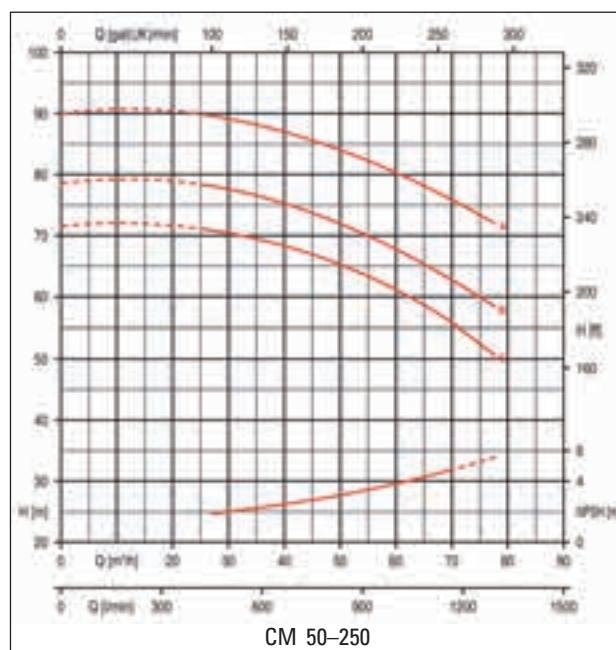
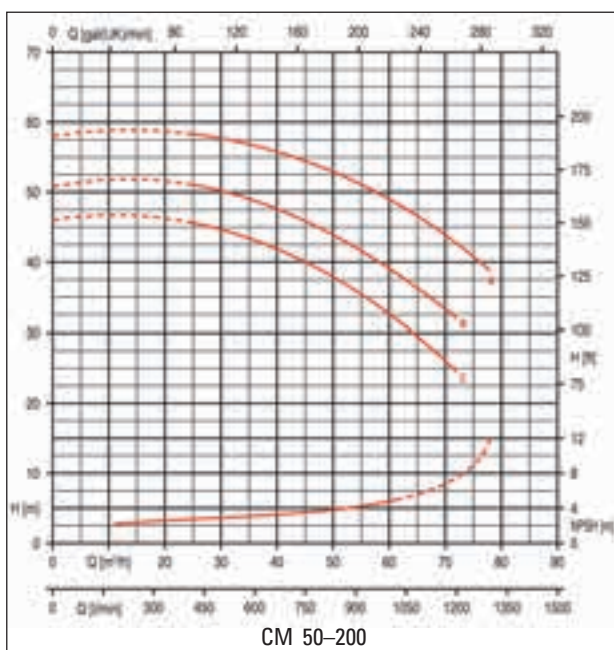
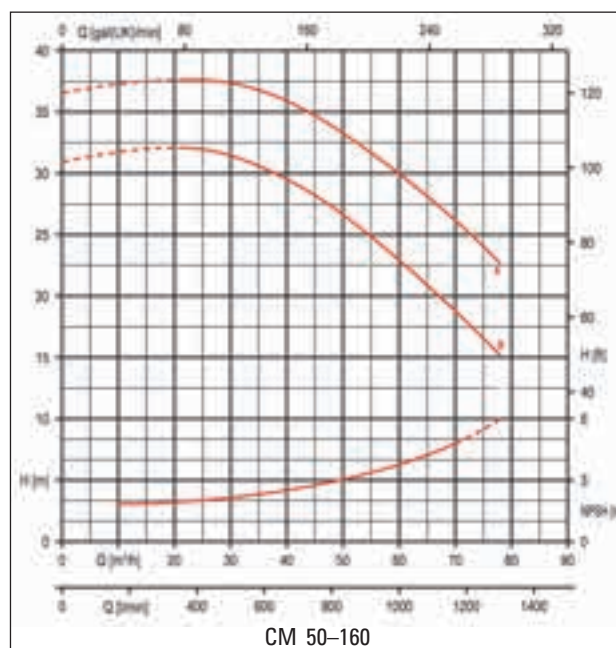
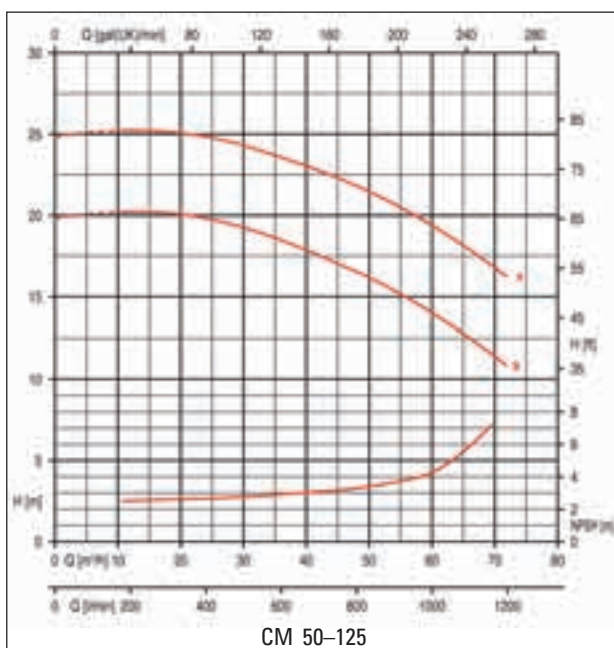
CM 40-250

MODEL	Motor Power		VOLTAGE	Amp. 3 x 400 V	CODE	PRICE
	HP	KW				
CM 40/125 C	2	1,5	3 ~ 230 ÷ 400 V	4	577-0KKK	
CM 40/125 B	3	2,2	3 ~ 230 ÷ 400 V	5,2	577-1KKK	
CM 40/125 A	4	3	3 ~ 230 ÷ 400 V	7,1	577-2KKK	
CM 40/160 B	4	3	3 ~ 230 ÷ 400 V	7,4	574-4KKK	
CM 40/160 A	5,5	4	3 ~ 230 ÷ 400 V	9,9	574-5KKK	
CM 40/200 B	7,5	5,5	3 ~ 400 ÷ 690 V	13,2	574-6KKK	
CM 40/200 A	10	7,5	3 ~ 400 ÷ 690 V	16,8	575-1KKK	
CM 40/250 B	15	11	3 ~ 400 ÷ 690 V	24,2	574-9KKK	
CM 40/250 A	20	15	3 ~ 400 ÷ 690 V	32	575-0KKK	

SURFACE PUMPS

CM 50

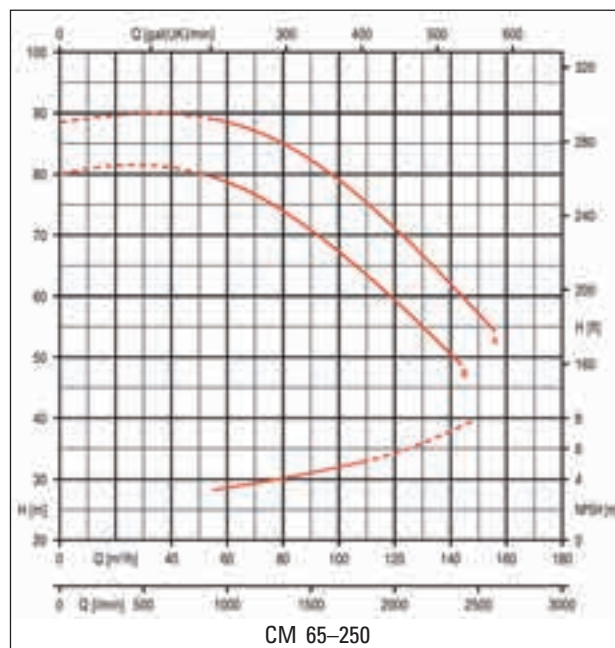
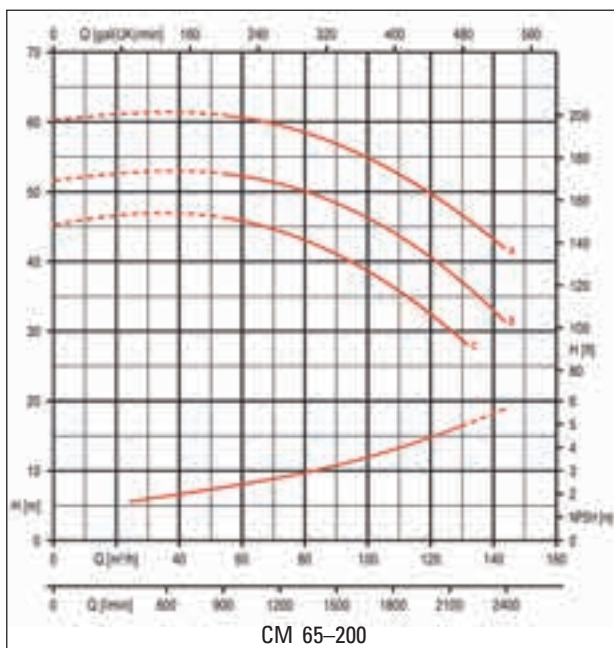
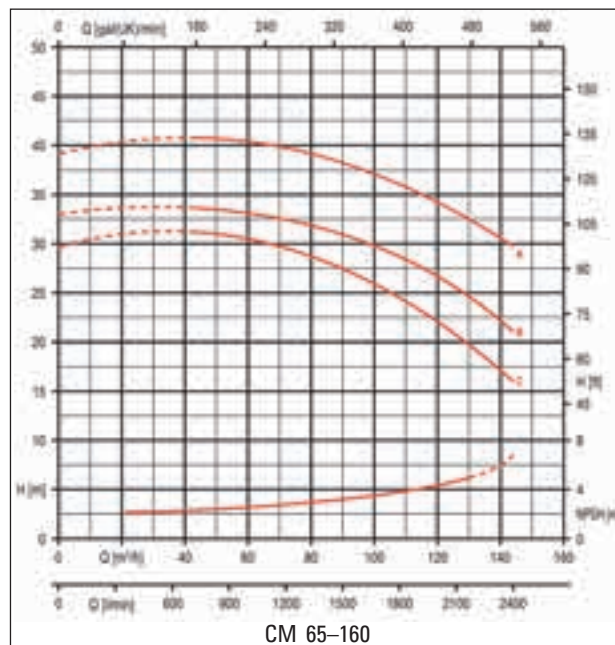
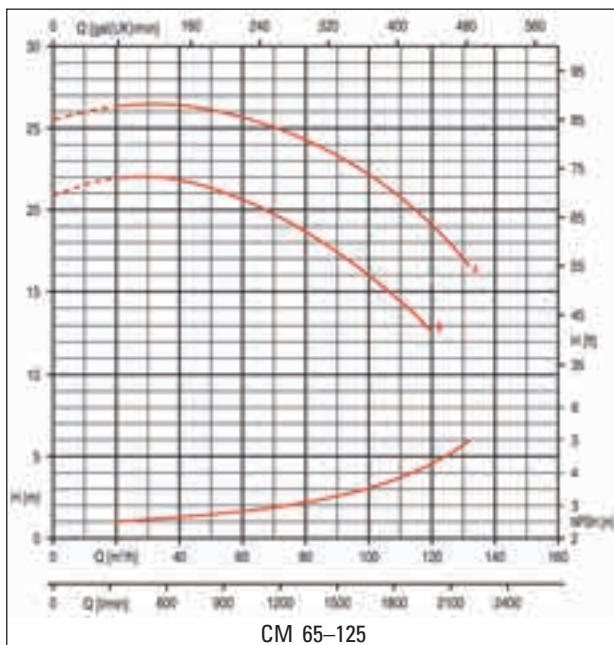
E



MODEL	Motor Power		VOLTAGE	Amp. 3 x 400 V	CODE	PRICE
	HP	KW				
CM 50/125 B	4	3	3 ~ 230 ÷ 400 V	7,4	577-3KKK	
CM 50/125 A	5,5	4	3 ~ 230 ÷ 400 V	9,9	577-4KKK	
CM 50/160 B	7,5	5,5	3 ~ 400 ÷ 690 V	11,6	575-3KKK	
CM 50/160 A	10	7,5	3 ~ 400 ÷ 690 V	15,8	575-5KKK	
CM 50/200 C	12,5	9,2	3 ~ 400 ÷ 690 V	18,5	577-5KKK	
CM 50/200 B	15	11	3 ~ 400 ÷ 690 V	21	575-6KKK	
CM 50/200 A	20	15	3 ~ 400 ÷ 690 V	27	575-7KKK	
CM 50/250 C	20	15	3 ~ 400 ÷ 690 V	32,5	575-8KKK	
CM 50/250 B	25	18,5	3 ~ 400 ÷ 690 V	41,5	575-9KKK	
CM 50/250 A	30	22	3 ~ 400 ÷ 690 V	51,5	576-0KKK	

SURFACE MOUNTED PUMPS

CM 65

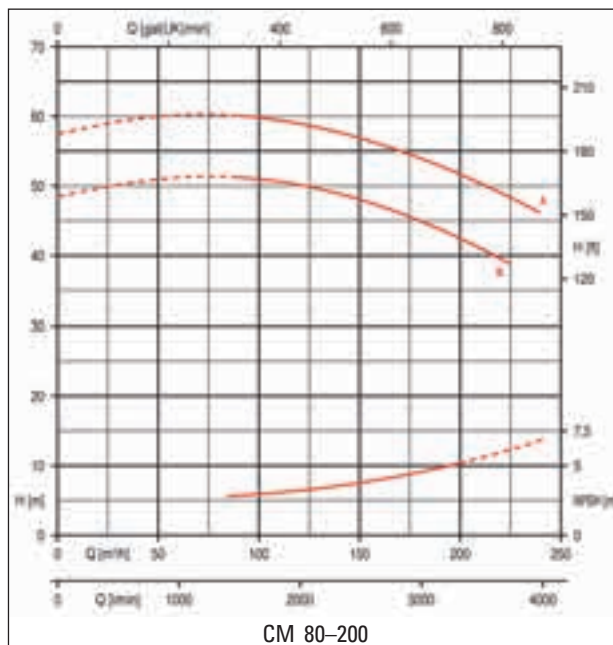
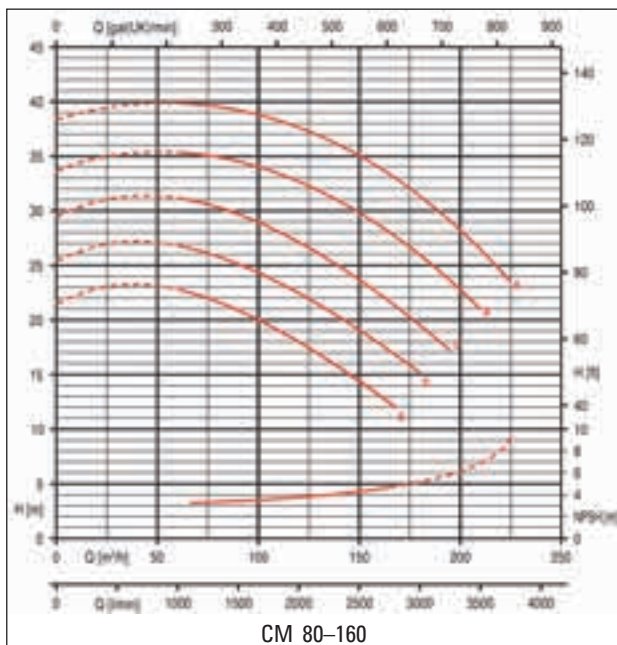
E


MODEL	Motor Power		VOLTAGE	Amp. 3 x 400 V	CODE	PRICE
	HP	KW				
CM 65/125 B	7,5	5,5	3 ~ 400 ÷ 690 V	12,3	577-6KKK	
CM 65/125 A	10	7,5	3 ~ 400 ÷ 690 V	15,9	577-7KKK	
CM 65/160 C	12,5	9	3 ~ 400 ÷ 690 V	19,5	576-1KKK	
CM 65/160 B	15	11	3 ~ 400 ÷ 690 V	22,5	576-2KKK	
CM 65/160 A	20	15	3 ~ 400 ÷ 690 V	30	576-3KKK	
CM 65/200 C	20	15	3 ~ 400 ÷ 690 V	32,5	576-4KKK	
CM 65/200 B	25	18,5	3 ~ 400 ÷ 690 V	41,5	576-5KKK	
CM 65/200 A	30	22	3 ~ 400 ÷ 690 V	51,5	576-6KKK	
CM 65/250 B	40	30	3 ~ 400 ÷ 690 V	63,5	577-8KKK	
CM 65/250 A	50	37	3 ~ 400 ÷ 690 V	74,5	577-9KKK	

SURFACE MOUNTED PUMPS

CM 80

E



MODEL	Motor Power		VOLTAGE	Amp. 3 x 400 V	CODE	PRICE
	HP	KW				
CM 80/160 D	15	11	3 ~ 400 ÷ 690 V	20,8	578-0KKK	
CM 80/160 C	20	15	3 ~ 400 ÷ 690 V	25,8	578-1KKK	
CM 80/160 B	25	18,5	3 ~ 400 ÷ 690 V	35	578-2KKK	
CM 80/160 A	30	22	3 ~ 400 ÷ 690 V	42	578-3KKK	
CM 80/200 B	40	30	3 ~ 400 ÷ 690 V	63,5	578-6KKK	
CM 80/200 A	50	37	3 ~ 400 ÷ 690 V	74,5	578-7KKK	

SURFACE MOUNTED PUMPS

BOOSTER SETS



CM PUMPS ARE AVAILABLE AS BOOSTER SETS



VLR TWIN BOOSTER SETS, SEE PAGE 72-73



PRESSOMAT TWIN BOOSTER SETS, SEE PAGE 70-71



VSD VARIABLE SPEED BOOSTERS, SEE PAGES 75-79

SURFACE MOUNTED PUMPS

VERTICAL MULTISTAGE CENTRIFUGAL PUMPS

E

The VLR 2B's are vertical multistage centrifugal pumps with "in line" suction and delivery points directly connected to an electric motor. They are not self-priming.

Design Features include:

Impellers, diffusers and outer pump chamber in AISI 304 stainless steel, shaft in AISI 316L stainless steel. Base and head casting are cast iron. Tungsten carbide mechanical seal. EPDM o rings. All 'A' versions are complete with 1" oval counterflanges.

All 'F' versions are DN32 round flanges, counterflanges are available upon request.

Liquid temperatures range from -15°C to +120°C

Maximum operating pressures:

DIN flanges 25 bar (maximum pumped liquid temperature 40°C)

21 bar (maximum pumped liquid temperature 120°C)

Maximum inlet pressures:

VLR2B-30/2 = 6 Bar

VLR 2B-30 - VLR 2B-110 = 10 Bar

VLR 2B-130 - VLR 2B-260 = 15 Bar

Applications include:

Water supply, pressure boosting systems, irrigation, high pressure washers, fire fighting systems, boiler supply and liquid transfers.

The VLR range is also available with stainless steel AISI 304 base – VLRI range.

The VLR range is also available made with AISI 316 stainless steel impellers, diffusers, shaft, outer liner and base – VLRX range.

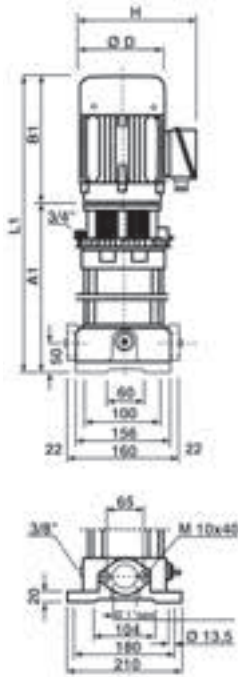


MODEL	Motor Power		VOLTAGE	Amp.	μF.	CODE	PRICE
	HP	KW					
VLR 2B - 30/2 A M	0,5	0,37	1 ~ 230 V	2,8	12,5	N1A0-1020	
VLR 2B - 30/2 A T			3 ~ 230 ÷ 400 V	1,7-1,0		N1A1-1020	
VLR 2B - 30 A M	0,5	0,37	1 ~ 230 V	2,8	12,5	N1A0-1030	
VLR 2B - 30 A T			3 ~ 230 ÷ 400 V	1,7-1,0		N1A1-1030	
VLR 2B - 40 A M	0,75	0,55	1 ~ 230 V	4,2	16	N1A0-1040	
VLR 2B - 40 A T			3 ~ 230 ÷ 400 V	2,6-1,5		N1A1-1040	
VLR 2B - 50 A M	0,75	0,55	1 ~ 230 V	4,2	16	N1A0-1050	
VLR 2B - 50 A T			3 ~ 230 ÷ 400 V	2,6-1,5		N1A1-1050	
VLR 2B - 60 A M	1	0,75	1 ~ 230 V	5,0	25	N1A0-1060	
VLR 2B - 60 A T			3 ~ 230 ÷ 400 V	3,5-2,0		N1A1-1060	
VLR 2B - 70 A M	1	0,75	1 ~ 230 V	5,0	25	N1A0-1070	
VLR 2B - 70 A T			3 ~ 230 ÷ 400 V	3,5-2,0		N1A1-1070	
VLR 2B - 90 A M	1,5	1,1	1 ~ 230 V	7,9	31,5	N1A0-1090	
VLR 2B - 90 A T			3 ~ 230 ÷ 400 V	4,5-2,6		N1A1-1090	
VLR 2B - 110 A M	1,5	1,1	1 ~ 230 V	7,9	31,5	N1A0-1110	
VLR 2B - 110 A T			3 ~ 230 ÷ 400 V	4,5-2,6		N1A1-1110	
VLR 2B - 130 A M	2	1,5	1 ~ 230 V	10,5	36	N1A0-1130	
VLR 2B - 130 A T			3 ~ 230 ÷ 400 V	6,1-3,5		N1A1-1130	
VLR 2B - 150 A M	2	1,5	1 ~ 230 V	10,5	36	N1A0-1150	
VLR 2B - 150 A T			3 ~ 230 ÷ 400 V	6,1-3,5		N1A1-1150	
VLR 2B - 180 F T	3	2,2	3 ~ 230 ÷ 400 V	8,5-4,9		N1A1-0180	
VLR 2B - 220 F T	3	2,2	3 ~ 230 ÷ 400 V	8,5-4,9		N1A1-0220	
VLR 2B - 260 F T	4	3	3 ~ 230 ÷ 400 V	11,6-6,7		N1A1-0260	

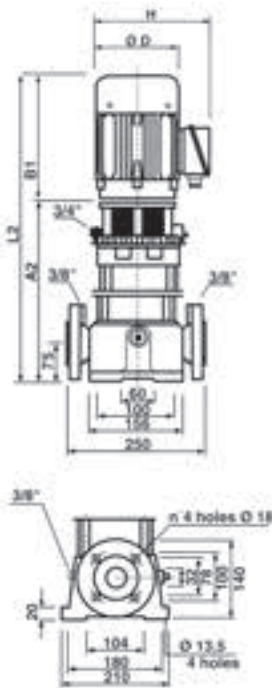
SURFACE MOUNTED PUMPS

VLR 2B

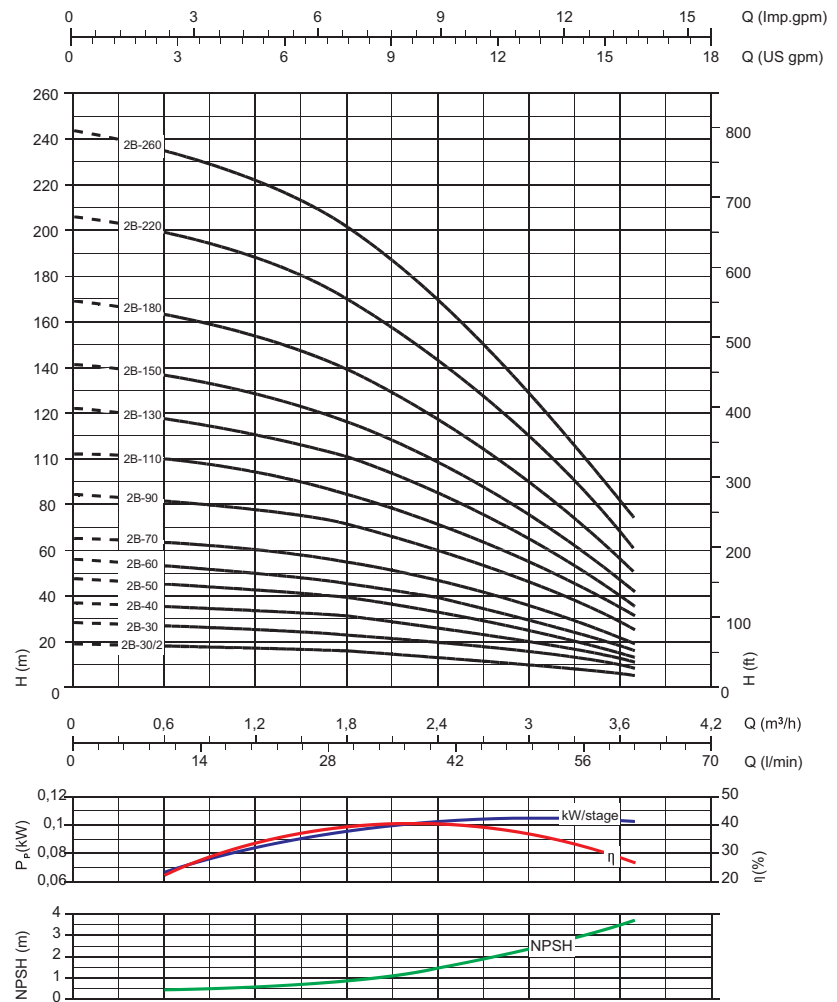
- ❶ Version with oval flanges
VLR 2B 30/2 – VLR 2B 150



- ❷ Version with round flanges
PN10 DIN 2534/ISO 7005-2



Hydraulic Performance



Head and NPSH valid for water with $\rho=1.0\text{kg/dm}^3$ at 20°C of condensity

VLR2B	2900 rpm	50 Hz	ISO 9906 - AnnexA
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Model	Dimensions (mm)						Net Weight (kg)	
	A ₁ ❶	B ₁	L ₁ ❶	A ₂ ❶	L ₂ ❷	D	H	
VLR 2B - 30/2	238	213	451	—	—	142	109	20
VLR 2B - 30	238	213	451	—	—	142	109	21
VLR 2B - 40	256	213	469	—	—	142	109	23
VLR 2B - 50	274	213	487	—	—	142	109	25
VLR 2B - 60	296	237	533	—	—	160	131	26
VLR 2B - 70	314	237	551	—	—	160	131	33
VLR 2B - 90	350	237	587	—	—	160	131	34
VLR 2B - 110	386	237	623	—	—	160	131	36
VLR 2B - 130	441	265	706	—	—	185	130	37
VLR 2B - 150	477	265	742	—	—	185	130	43
VLR 2B - 180	—	265	—	556	821	185	130	49
VLR 2B - 220	—	265	—	628	893	185	130	61
VLR 2B - 260	—	315	—	704	1019	200	140	63

H (m)

240

220

200

180

160

140

120

100

80

60

40

20

0

P₁ (kW)

0,10

0,08

0,06

0,04

0,02

0,01

0,00

0,00

0,00

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SURFACE MOUNTED PUMPS

VERTICAL MULTISTAGE CENTRIFUGAL PUMPS

E

The VLR 4's are vertical multistage centrifugal pumps with "in line" suction and delivery points directly connected to an electric motor. They are not self-priming.

Design Features include:

Impellers, diffusers and outer pump chamber in AISI 304 stainless steel, shaft in AISI 316L stainless steel. Base and head casting are cast iron. Tungsten carbide mechanical seal. EPDM o rings. All 'A' versions are complete with 1 1/4" oval counterflanges. All 'F' versions are DN32 round flanges, counterflanges are available upon request.

Liquid temperatures range from -15°C to +120°C

Maximum operating pressures:

DIN flanges 25 bar (maximum pumped liquid temperature 40°C)

21 bar (maximum pumped liquid temperature 120°C)

Maximum inlet pressures:

VLR 4-20 = 6 Bar

VLR 4-30 – VLR 4-100 = 10 Bar

VLR 4-120 – VLR 4-260 = 15 Bar

Applications include:

Water supply, pressure increase systems, irrigation, high pressure washers, fire fighting systems, boiler supply and liquid transfers.

The VLR range is also available with stainless steel AISI 304 base – VLRI range.

The VLR range is also available made with AISI 316 stainless steel impellers, diffusers, shaft, outer liner and base – VLRX range.

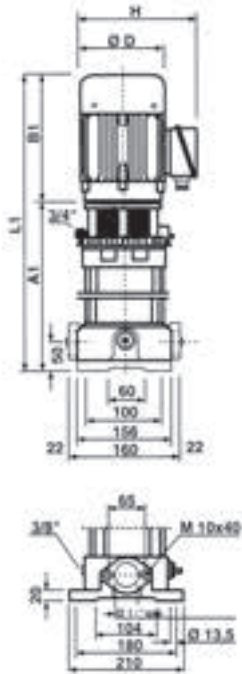


MODEL	Motor Power		VOLTAGE	Amp.	μF.	CODE	PRICE
	HP	KW					
VLR 4 - 20 A M	0,5	0,37	1 ~ 230 V	2,8	12,5	N2A0-1020	
VLR 4 - 20 A T			3 ~ 230 ÷ 400 V	1,7-1,0		N2A1-1020	
VLR 4 - 30 A M	0,75	0,55	1 ~ 230 V	4,2	16	N2A0-1030	
VLR 4 - 30 A T			3 ~ 230 ÷ 400 V	2,6-1,5		N2A1-1030	
VLR 4 - 40 A M	1	0,75	1 ~ 230 V	5,0	25	N2A0-1040	
VLR 4 - 40 A T			3 ~ 230 ÷ 400 V	3,5-2,0		N2A1-1040	
VLR 4 - 50 A M	1,5	1,1	1 ~ 230 V	7,9	31,5	N2A0-1050	
VLR 4 - 50 A T			3 ~ 230 ÷ 400 V	4,5-2,6		N2A1-1050	
VLR 4 - 60 A M	1,5	1,1	1 ~ 230 V	7,9	36	N2A0-1060	
VLR 4 - 60 A T			3 ~ 230 ÷ 400 V	4,5-2,6		N2A1-1060	
VLR 4 - 80/7 A M	2	1,5	1 ~ 230 V	10,5	36	N2A0-1070	
VLR 4 - 80/7 A T			3 ~ 230 ÷ 400 V	6,1-3,5		N2A1-1070	
VLR 4 - 80 A M	2	1,5	1 ~ 230 V	10,5	36	N2A0-1080	
VLR 4 - 80 A T			3 ~ 230 ÷ 400 V	6,1-3,5		N2A1-1080	
VLR 4 - 100 A T	3	2,2	3 ~ 230 ÷ 400 V	8,5-4,9		N2A1-1100	
VLR 4 - 120 A T	3	2,2	3 ~ 230 ÷ 400 V	8,5-4,9		N2A1-1120	
VLR 4 - 140 A T	4	3	3 ~ 230 ÷ 400 V	11,6-6,7		N2A1-1140	
VLR 4 - 160 A T	4	3	3 ~ 230 ÷ 400 V	11,6-6,7		N2A1-1160	
VLR 4 - 190 F T	5,5	4	3 ~ 400 ÷ 690 V	14,3-8,3		N2A1-0190	
VLR 4 - 220 F T	5,5	4	3 ~ 400 ÷ 690 V	14,3-8,3		N2A1-0220	
VLR 4 - 240 F T	7,5	5,5	3 ~ 400 ÷ 690 V	11,3-8,5		N2A2-0240	
VLR 4 - 260 F T	7,5	5,5	3 ~ 400 ÷ 690 V	11,3-8,5		N2A2-0260	

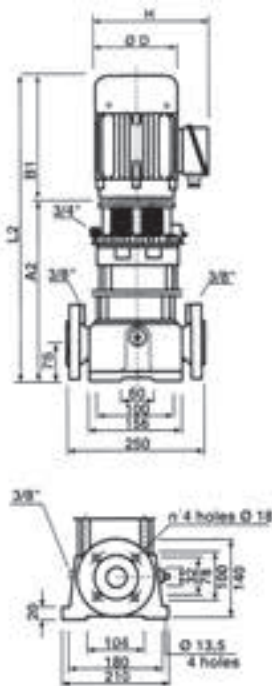
SURFACE MOUNTED PUMPS

VLR 4

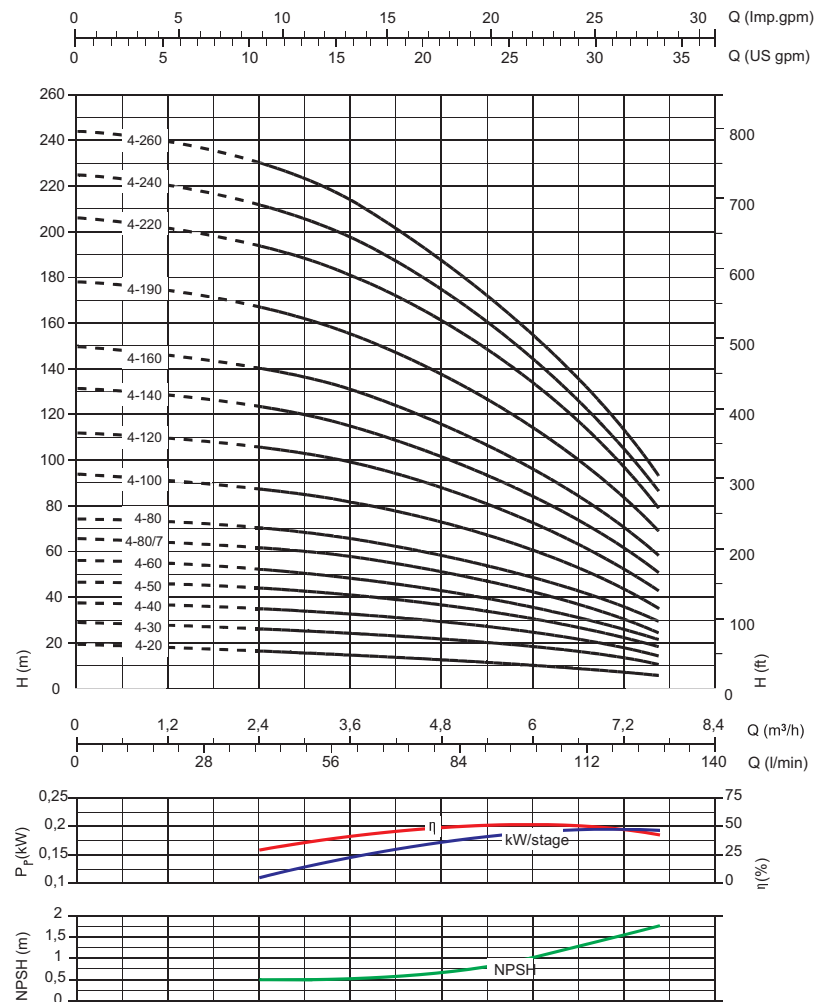
- ❶ Version with oval flanges
VLR 4-20 – VLR 4-160



- ❷ Version with round flanges
PN10 DIN 2534/ISO 7005-2



Hydraulic Performance



Model	Dimensions (mm)						Net Weight (kg)	
	A ₁ ❶	B ₁	L ₁ ❶	A ₂ ❶	L ₂ ❷	D	H	
VLR 4 - 20	238	213	451	—	—	142	109	20
VLR 4 - 30	265	213	478	—	—	142	109	21
VLR 4 - 40	296	237	533	—	—	160	131	23
VLR 4 - 50	323	237	560	—	—	160	131	25
VLR 4 - 60	350	237	587	—	—	160	131	26
VLR 4 - 80/7	423	265	688	—	—	185	130	33
VLR 4 - 80	423	265	688	—	—	185	130	33
VLR 4 - 100	477	265	742	—	—	185	130	36
VLR 4 - 120	531	265	796	—	—	185	130	37
VLR 4 - 140	589	315	904	—	—	200	130	41
VLR 4 - 160	643	315	958	—	—	200	130	43
VLR 4 - 190	—	335	—	749	1084	200	140	61
VLR 4 - 220	—	335	—	830	1165	200	140	63
VLR 4 - 240	—	385	—	911	1298	260	185	87
VLR 4 - 260	—	385	—	965	1350	260	185	89

SURFACE MOUNTED PUMPS

VERTICAL MULTISTAGE CENTRIFUGAL PUMPS

E

The VLR 8's are vertical multistage centrifugal pumps with "in line" suction and delivery points directly connected to an electric motor. They are not self-priming.

Design Features include:

Impellers, diffusers and outer pump chamber in AISI 304 stainless steel, shaft in AISI 316L stainless steel. Base and head casting are cast iron. Tungsten carbide mechanical seal. EPDM o rings. All 'A' versions are complete with 1½" oval counterflanges. All 'F' versions are DN40 round flanges, counterflanges are available upon request.

Liquid temperatures range from -15°C to +120°C

Maximum operating pressures:

Oval flanges 16 bar

DIN flanges 25 bar (maximum pumped liquid temperature 85°C)

21 bar (maximum pumped liquid temperature 120°C)

Maximum inlet pressures:

VLR 8-20 – VLR 8-30 = 6 Bar

VLR 8-40 – VLR 8-200 = 15 Bar

Applications include:

Water supply, pressure increase systems, irrigation, high pressure washers, fire fighting systems, boiler supply and liquid transfers.

The VLR range is also available with stainless steel AISI 304 base – VLRI range.

The VLR range is also available made with AISI 316 stainless steel impellers, diffusers, shaft, outer liner and base – VLRX range.

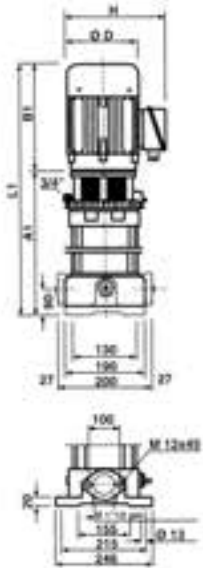


MODEL	Motor Power		VOLTAGE	Amp.	μF.	CODE	PRICE
	HP	KW					
VLR 8 - 20 A M	1	0,75	1 ~ 230 V	5,0	25	N3A0-1020	
VLR 8 - 20 A T			3 ~ 230 ÷ 400 V	3,5-1,9		N3A1-1020	
VLR 8 - 30 A M	1,5	1,1	1 ~ 230 V	7,9	35	N3A0-1030	
VLR 8 - 30 A T			3 ~ 230 ÷ 400 V	4,5-2,6		N3A1-1030	
VLR 8 - 40 A M	2	1,5	1 ~ 230 V	10,5	45	N3A0-1040	
VLR 8 - 40 A T			3 ~ 230 ÷ 400 V	6,1-3,5		N3A1-1040	
VLR 8 - 50 A T	3	2,2	3 ~ 230 ÷ 400 V	8,5-4,9		N3A1-1050	
VLR 8 - 60 A T	3	2,2	3 ~ 230 ÷ 400 V	8,5-4,9		N3A1-1060	
VLR 8 - 80 A T	4	3	3 ~ 230 ÷ 400 V	11,6-6,7		N3A1-1080	
VLR 8 - 100 A T	5,5	4	3 ~ 400 ÷ 690 V	14,3-8,3		N3A1-1100	
VLR 8 - 120 A T	5,5	4	3 ~ 400 ÷ 690 V	14,3-8,3		N3A1-1120	
VLR 8 - 140 F T	7,5	5,5	3 ~ 400 ÷ 690 V	11,3-8,5		N3A2-0140	
VLR 8 - 160 F T	7,5	5,5	3 ~ 400 ÷ 690 V	11,3-8,5		N3A2-0160	
VLR 8 - 180 F T	10	7,5	3 ~ 400 ÷ 690 V	14,3-8,3		N3A2-0180	
VLR 8 - 200 F T	10	7,5	3 ~ 400 ÷ 690 V	14,3-8,3		N3A2-0200	

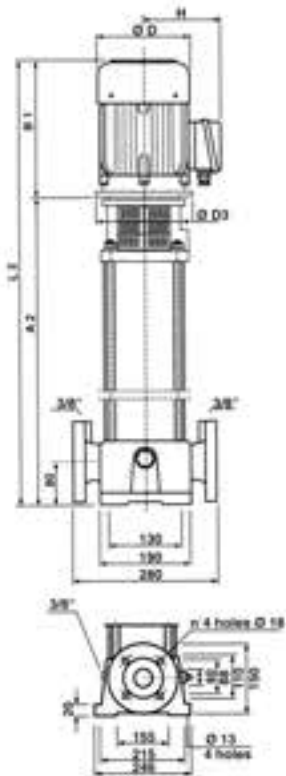
SURFACE MOUNTED PUMPS

VLR 8

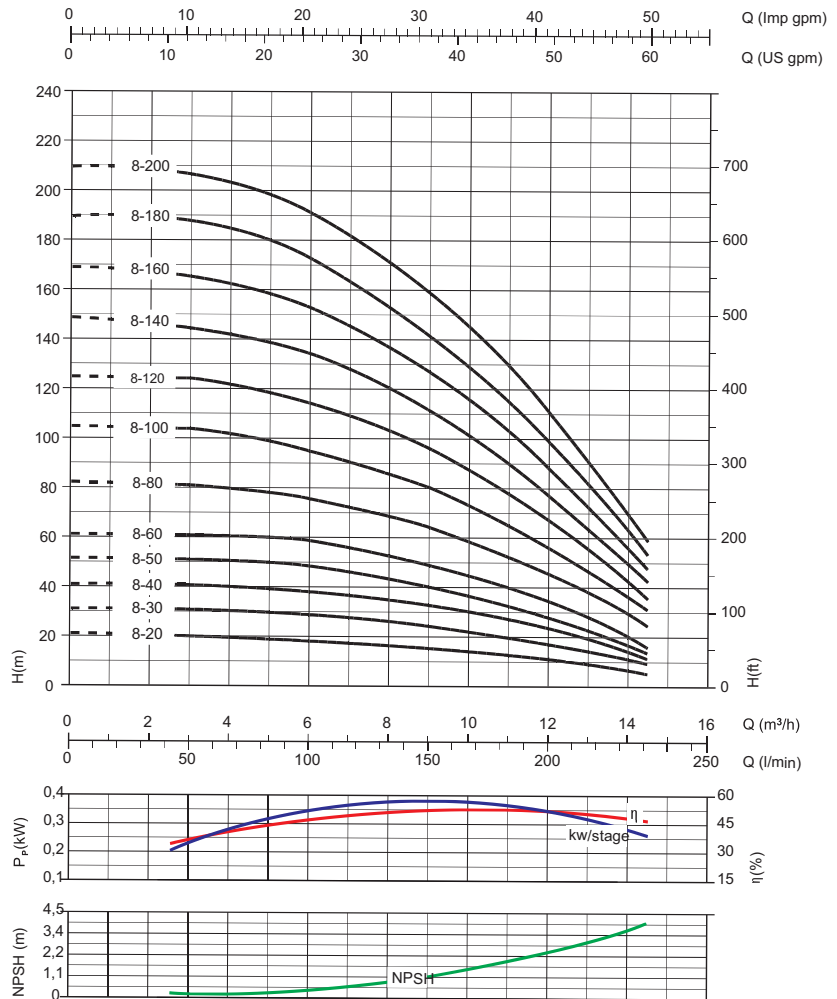
- ❶ Version with oval flanges
VLR 8-20 – VLR 8-120



- ❷ Version with round flanges
PN25 DIN 2534/ISO 7005-2



Hydraulic Performance



VLR8	2900 rpm	50 Hz	ISO 9906 - AnnexA
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Model	Dimensions (mm)						Net Weight (kg)	
	A ₁ ❶	B ₁	L ₁ ❶	A ₂ ❷	L ₂ ❷	D		
VLR 8 - 20	245	237	482	—	—	160	30	—
VLR 8 - 30	375	237	612	—	—	160	32	—
VLR 8 - 40	420	265	685	—	—	185	40	—
VLR 8 - 50	450	265	715	—	—	185	42	—
VLR 8 - 60	480	265	745	—	—	185	43	—
VLR 8 - 80	545	315	860	—	—	200	51	—
VLR 8 - 100	605	335	940	—	—	200	52	—
VLR 8 - 120	665	335	1000	—	—	200	56	—
VLR 8 - 140	—	385	—	745	1130	260	85	—
VLR 8 - 160	—	385	—	805	1190	260	86	—
VLR 8 - 180	—	385	—	865	1250	260	90	—
VLR 8 - 200	—	385	—	925	1310	260	91	—

SURFACE MOUNTED PUMPS

VERTICAL MULTISTAGE CENTRIFUGAL PUMPS

E

The VLR 16's are vertical multistage centrifugal pumps with "in line" suction and delivery points directly connected to an electric motor. They are not self-priming.

Design Features include:

Impellers, diffusers and outer pump chamber in AISI 304 stainless steel, shaft in AISI 316L stainless steel. Base and head casting are cast iron. Silicon carbide mechanical seal. EPDM o rings. These versions are with flanges DN 50 PN 25 DIN 2534/ISO 7005-2 (with 65mm diameter bore).

Counter flanges are available upon request.

Liquid temperatures range from -15°C to +120°C

Maximum operating pressures:

VLR 16-30/2 - VLR 16-100 = 16 Bar

VLR 16-30/2 - VLR 16-100 = 25 Bar (maximum pumped liquid temperature 85°C)

VLR 16-30/2 - VLR 16-30 = 23 Bar (maximum pumped liquid temperature 120°C)

Maximum inlet pressures:

VLR 16-30/2 - VLR 16-30 = 6 Bar

VLR 16-40 - VLR 16-100 = 10 Bar

Applications include:

Water supply, pressure increase systems, irrigation, high pressure washers, fire fighting systems, boiler supply and liquid transfers.

The VLR range is also available with stainless steel AISI 304 base - VLRI range.

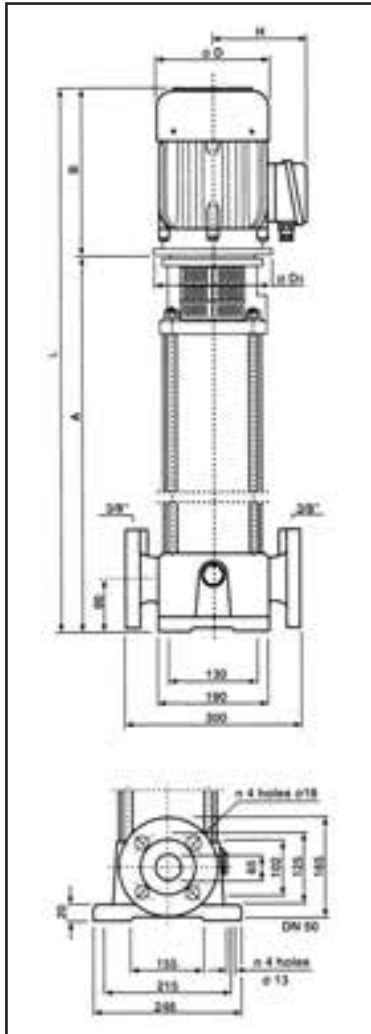
The VLR range is also available made with AISI 316 stainless steel impellers, diffusers, shaft, outer liner and base - VLRX range.



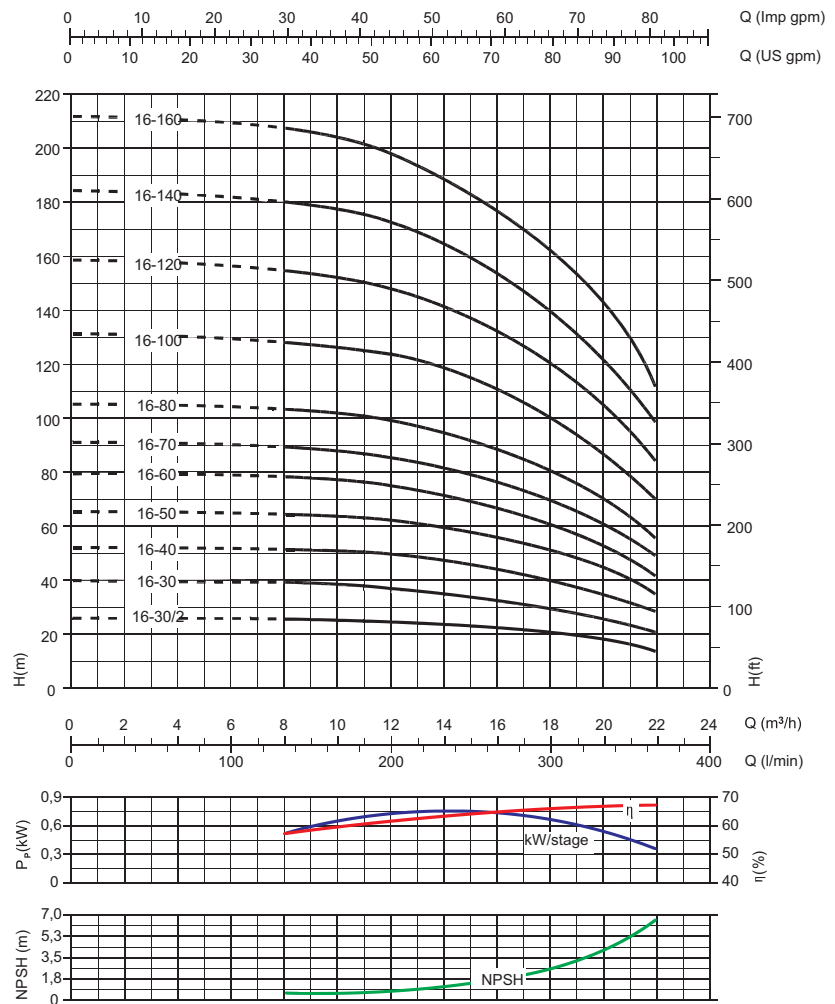
MODEL	Motor Power		VOLTAGE	Amp.	CODE	PRICE
	HP	KW				
VLR 16 - 30/2 F T	3	2,2	3 ~ 230 ÷ 400 V	8,5-4,9	N4A1-0020	
VLR 16 - 30 F T	4	3	3 ~ 230 ÷ 400 V	11,6-6,7	N4A1-0030	
VLR 16 - 40 F T	5,5	4	3 ~ 400 ÷ 690 V	14,3-8,3	N4A1-0040	
VLR 16 - 50 F T	7,5	5,5	3 ~ 400 ÷ 690 V	11,3-8,5	N4A2-0050	
VLR 16 - 60 F T	7,5	5,5	3 ~ 400 ÷ 690 V	11,3-8,5	N4A2-0060	
VLR 16 - 70 F T	10	7,5	3 ~ 400 ÷ 690 V	14,3-8,3	N4A2-0070	
VLR 16 - 80 F T	10	7,5	3 ~ 400 ÷ 690 V	14,3-8,3	N4A2-0080	
VLR 16 - 100 F T	15	11	3 ~ 400 ÷ 690 V	21-12,1	N4A2-0100	
VLR 16 - 120 F T	15	11	3 ~ 400 ÷ 690 V	21-12,1	N4A2-0120	
VLR 16 - 140 F T	20	15	3 ~ 400 ÷ 690 V	28-12,6	N4A2-0140	
VLR 16 - 160 F T	20	15	3 ~ 400 ÷ 690 V	28-12,6	N4A2-0160	

SURFACE MOUNTED PUMPS

VLR 16



Hydraulic Performance



VLR16	2900 rpm	50 Hz	ISO 9906 - AnnexA
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Model	Dimensions (mm)						Net Weight (kg)
	A	B	L	D	H	D ₂	
VLR 16 - 30/2	460	265	725	185	130	140	52
VLR 16 - 30	464	315	779	200	140	250	56
VLR 16 - 40	509	335	844	200	140	250	59
VLR 16 - 50	575	385	960	260	185	300	82
VLR 16 - 60	620	385	1005	260	185	300	84
VLR 16 - 70	665	385	1050	260	185	300	90
VLR 16 - 80	710	385	1095	260	185	300	92
VLR 16 - 100	830	495	1325	260	185	350	136
VLR 16 - 120	920	495	1425	260	185	350	140
VLR 16 - 140	1010	495	1505	310	230	350	181
VLR 16 - 160	1100	495	1595	310	230	350	185

SURFACE MOUNTED PUMPS

VERTICAL MULTISTAGE CENTRIFUGAL PUMPS

E

The VLR 32's are vertical multistage centrifugal pumps with "in line" suction and delivery points directly connected to an electric motor. They are not self-priming.

Design Features include:

Impellers, diffusers and outer pump chamber in AISI 304 stainless steel, shaft in AISI 316L stainless steel. Base and head casting are cast iron. Tungsten carbide mechanical seal. EPDM o rings. These versions are flanged. Counter flanges are not included.

Liquid temperatures range from -15°C to +120°C

Maximum operating pressures:

VLR 32-20 – VLR 32-60 = 16 Bar

VLR 32-70 – VLR 32-120 = 25 Bar (maximum pumped liquid temperature 85°C)

VLR 32-70 – VLR 32-160 = 23 Bar (maximum pumped liquid temperature 120°C)

Maximum inlet pressures:

VLR 32-10 = 3 Bar

VLR 32-20 – VLR 32-40 = 4 Bar

VLR 32-50 – VLR 32-90 = 10 Bar

VLR 32-110 – VLR 32-140 = 15 Bar

Applications include:

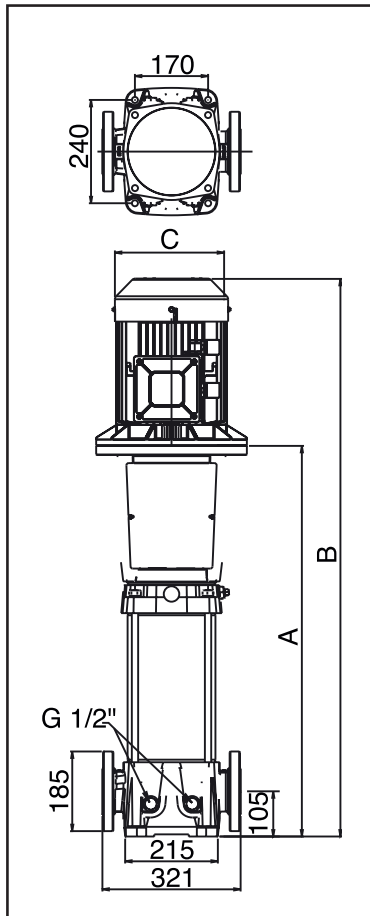
Water supply, pressure increase systems, irrigation, high pressure washers, fire fighting systems, boiler supply and liquid transfers.



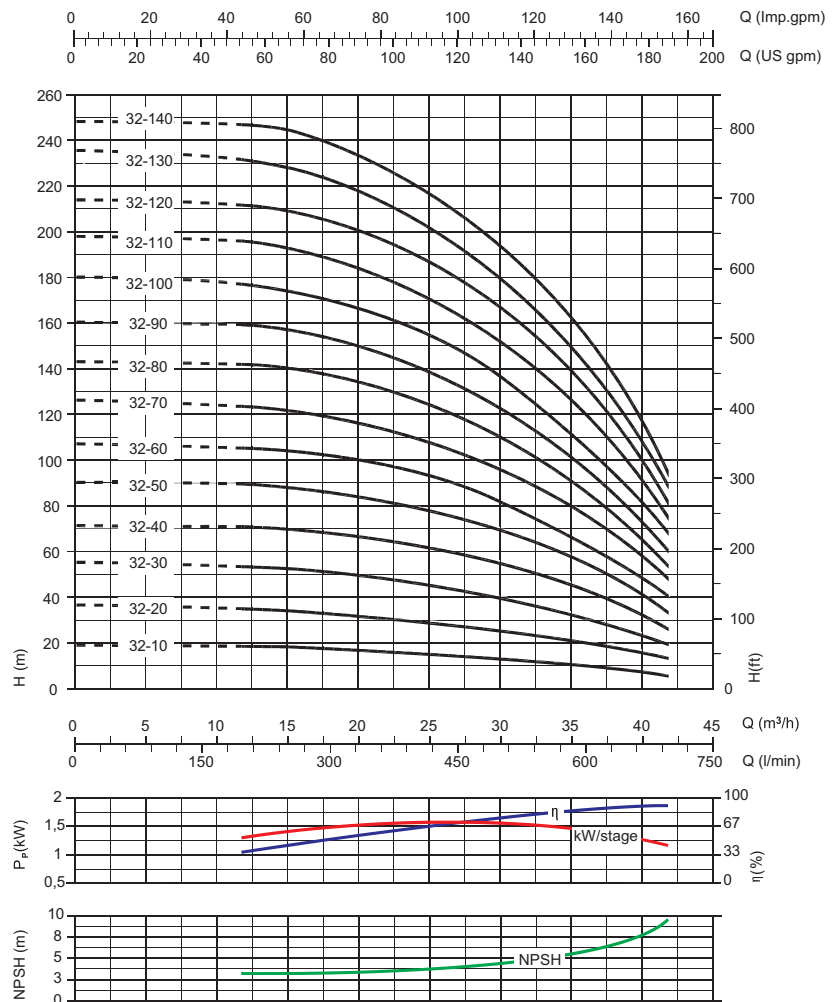
MODEL	Motor Power		VOLTAGE	Amp.	CODE	PRICE
	HP	KW				
VLR 32 – 10	3,00	2,20	3 ~ 230/400 V	8,6 5-5	N5A1-0010	
VLR 32 – 20	5,50	4,00	3 ~ 400/690 V	8,6	N5A1-0020	
VLR 32 – 30	7,50	5,50	3 ~ 400/690 V	10,9	N5A2-0030	
VLR 32 – 40	10,00	7,50	3 ~ 400/690 V	14,7	N5A2-0040	
VLR 32 – 50	15,00	11,00	3 ~ 400/690 V	21,0	N5A2-0050	
VLR 32 – 60	15,00	11,00	3 ~ 400/690 V	21,0	N5A2-0060	
VLR 32 – 70	20,00	15,00	3 ~ 400/690 V	29,0	N5A2-0070	
VLR 32 – 80	20,00	15,00	3 ~ 400/690 V	29,0	N5A2-0080	
VLR 32 – 90	20,00	15,00	3 ~ 400/690 V	35,0	N5A2-0090	
VLR 32 – 100	25,00	18,50	3 ~ 400/690 V	42,0	N5A2-0100	
VLR 32 – 110	25,00	18,50	3 ~ 400/690 V	42,0	N5A2-0110	
VLR 32 – 120	30,00	22,00	3 ~ 400/690 V	55,0	N5A2-0120	
VLR 32 – 130	40,00	30,00	3 ~ 400/690 V	55,0	N5A2-0130	
VLR 32 – 140	40,00	30,00	3 ~ 400/690 V	55,0	N5A2-0140	

SURFACE MOUNTED PUMPS

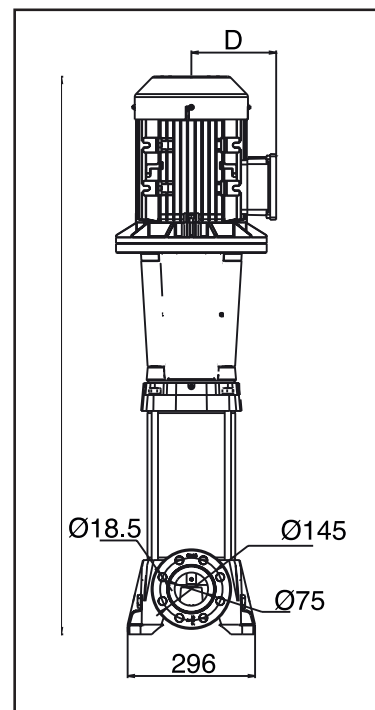
VLR 32



Hydraulic Performance



Model	Dimensions (mm)				Net Weight (kg)
	A	B	C	D	kg
VLR 32 - 10	580	850	185	145	78
VLR 32 - 20	650	950	210	155	93.5
VLR 32 - 30	770	1160	260	200	114
VLR 32 - 40	840	1230	260	200	121
VLR 32 - 50	910	1370	260	215	153
VLR 32 - 60	980	1440	260	215	157.5
VLR 32 - 70	1050	1510	260	215	166.5
VLR 32 - 80	1120	1580	260	215	177.5
VLR 32 - 90	1190	1650	320	245	200
VLR 32 - 100	1260	1800	320	245	218
VLR 32 - 110	1330	1870	320	245	222.5
VLR 32 - 120	1400	1980	320	245	236
VLR 32 - 130	1480	2120	360	275	269
VLR 32 - 140	1550	2190	360	275	280



SURFACE MOUNTED PUMPS

VERTICAL MULTISTAGE CENTRIFUGAL PUMPS

E

The VLR 46's are vertical multistage centrifugal pumps with "in line" suction and delivery points directly connected to an electric motor. They are not self-priming.

Design Features include:

Impellers, diffusers and outer pump chamber in AISI 316L stainless steel, shaft in AISI 316L stainless steel. Base and head casting are cast iron. Silicon carbide mechanical seal. EPDM o rings. These versions are flanged. Counter flanges are not included.

Liquid temperatures range from -30°C to +120°C

Maximum operating pressures, suction head included:

VLR 46-10 - VLR 46-50 = 16 Bar

VLR 46-60 - VLR 46-90 = 25 Bar

VLR 46-100 - VLR 46-120 = 40 Bar

Applications include:

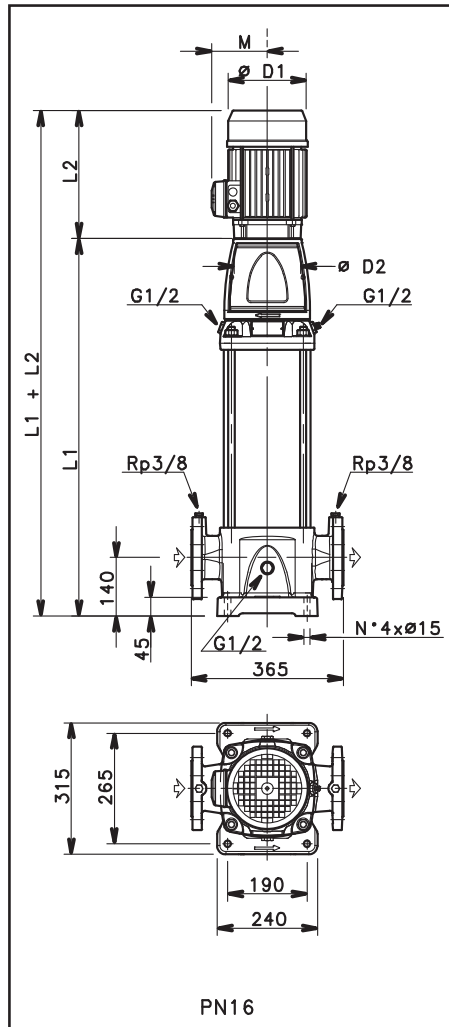
Water supply, pressure increase systems, irrigation, high pressure washers, fire fighting systems, boiler supply and liquid transfers.



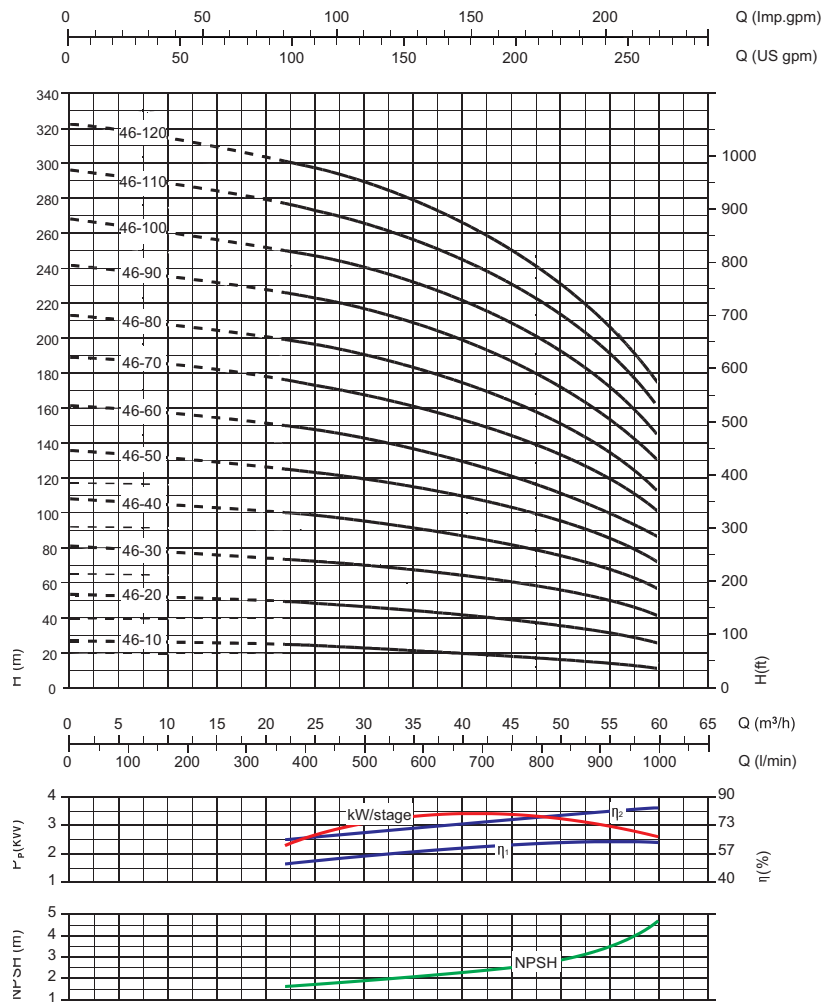
MODEL	Motor Power		VOLTAGE	In(A)	Q	L/1'	367	417	500	583	667	750	900	1000	CODE	PRICE
	HP	KW					22	25	30	35	40	45	54	60		
VLR 46 - 10	5,5	4,0	3 ~ 230/400 V	8,6			24	24	23	21	20	18	14	11	N6A2-010L	
VLR 46 - 20	10,0	7,5	3 ~ 400/690 V	14,7			49	48	46	44	42	39	31	25	N6A2-020L	
VLR 46 - 30	15,0	11,0	3 ~ 400/690 V	21,0			74	73	71	68	65	60	50	41	N6A2-030L	
VLR 46 - 40	20,0	15,0	3 ~ 400/690 V	29,0			100	98	96	92	87	82	68	56	N6A2-040L	
VLR 46 - 50	25,0	18,5	3 ~ 400/690 V	35,0			125	123	120	116	110	103	86	72	N6A2-050L	
VLR 46 - 60	30,0	22,0	3 ~ 400/690 V	42,0			150	148	144	139	132	124	104	86	N6A2-060L	
VLR 46 - 70	40,0	30,0	3 ~ 400/690 V	55,0			176	173	168	162	155	145	122	101	N6A2-070L	
VLR 46 - 80	40,0	30,0	3 ~ 400/690 V	55,0			199	196	191	184	175	164	137	113	N6A2-080L	
VLR 46 - 90	50,0	37,0	3 ~ 400/690 V	65,0			225	222	217	209	199	187	157	130	N6A2-090L	
VLR 46 - 100	50,0	37,0	3 ~ 400/690 V	65,0			250	247	241	232	221	208	174	145	N6A2-100L	
VLR 46 - 110	60,0	45,0	3 ~ 400/690 V	80,0			276	273	266	257	245	230	194	161	N6A2-110L	
VLR 46 - 120	60,0	45,0	3 ~ 400/690 V	80,0			301	297	290	280	267	250	210	175	N6A2-120L	

SURFACE MOUNTED PUMPS

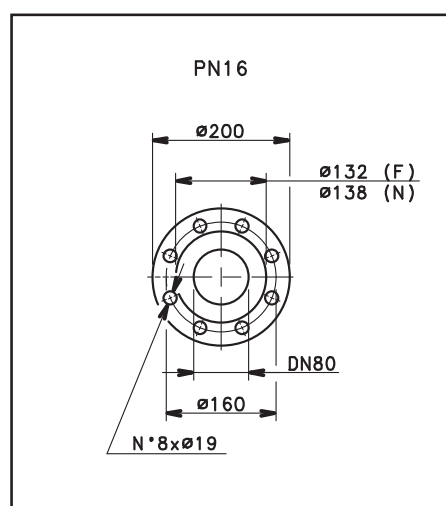
VLR 46



Hydraulic Performance



Model	Dimensions (mm)					Net Weight (kg)
	L ₁	L ₂	D ₁	D ₂	M	kg
VLR 46 - 10	529	319	197	164	154	84,5
VLR 46 - 20	624	367	356	300	191	122
VLR 46 - 30	734	428	256	350	191	144
VLR 46 - 40	809	494	313	350	240	180
VLR 46 - 50	884	494	313	350	240	193
VLR 46 - 60	959	494	313	350	240	208
VLR 46 - 70	1034	613	354	400	278	230
VLR 46 - 80	1109	613	354	400	278	234
VLR 46 - 90	1184	613	354	400	278	238
VLR 46 - 100	1259	613	354	400	278	257
VLR 46 - 110	1334	710	411	450	298	345
VLR 46 - 120	1409	710	411	450	298	350



SURFACE MOUNTED PUMPS

VERTICAL MULTISTAGE CENTRIFUGAL PUMPS

E

The VLR 66's are vertical multistage centrifugal pumps with "in line" suction and delivery points directly connected to an electric motor. They are not self-priming.

Design Features include:

Impellers, diffusers and outer pumps chamber in AISI 316L stainless steel, shaft in AISI 316L stainless steel. Base and head casting are cast iron. Silicon carbide mechanical seal. EPDM o rings. These versions are flanged. Counter flanges are not included.

Liquid temperatures range from -30°C to +120°C

Maximum operating pressures: 16 Bar including Suction head up to VLR 66-50.

25 Bar including Suction head from VLR 66-60 – 66-80

Applications include:

Water supply, pressure increase systems, irrigation, high pressure washers, fire fighting systems, boiler supply and liquid transfers.



VLR – shown as booster set application

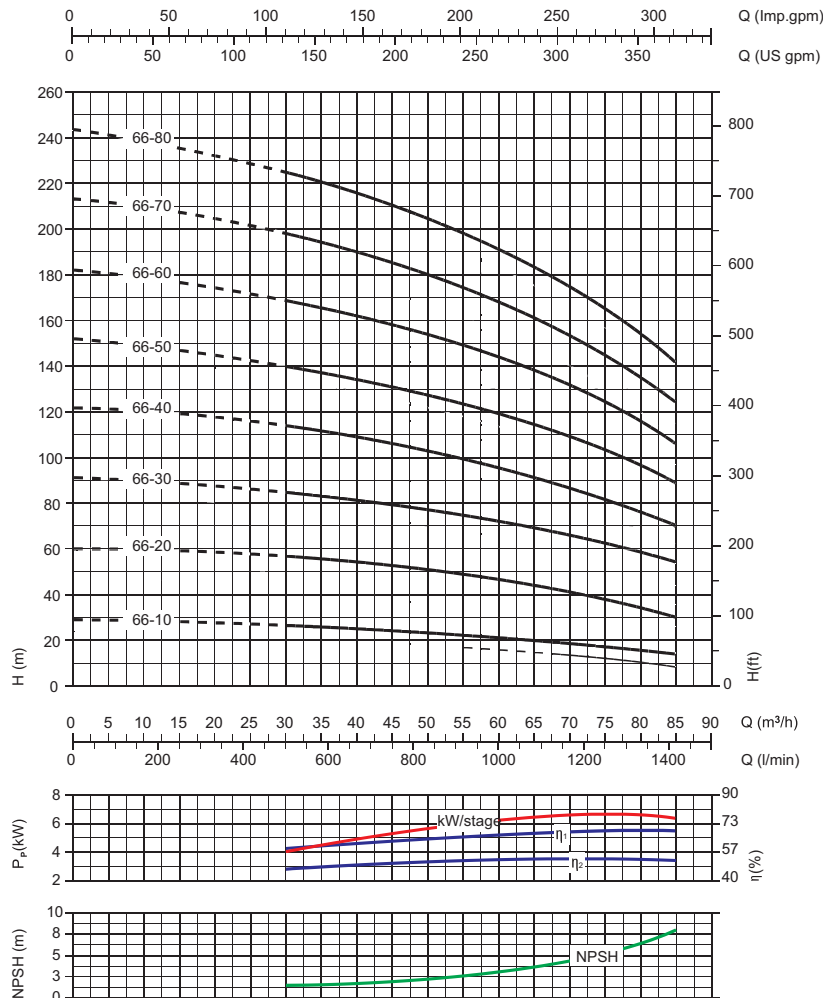


MODEL	Motor Power		VOLTAGE	Amp.	CODE	PRICE
	HP	KW				
VLR 66 – 10 FT	7,50	5,50	3 ~ 400/690 V	10,9	N7A2-0010L	
VLR 66 – 20 FT	15,00	11,00	3 ~ 400/690 V	21,0	N7A2-0020L	
VLR 66 – 30 FT	25,00	18,50	3 ~ 400/690 V	35,0	N7A2-0030L	
VLR 66 – 40 FT	30,00	22,00	3 ~ 400/690 V	42,0	N7A2-0040L	
VLR 66 – 50 FT	40,00	30,00	3 ~ 400/690 V	55,0	N7A2-0050L	
VLR 66 – 60 FT	50,00	37,00	3 ~ 400/690 V	65,0	N7A2-0060L	
VLR 66 – 70 FT	60,00	45,00	3 ~ 400/690 V	80,0	N7A2-0070L	
VLR 66 – 80 FT	60,00	45,00	3 ~ 400/690 V	80,0	N7A2-0080L	

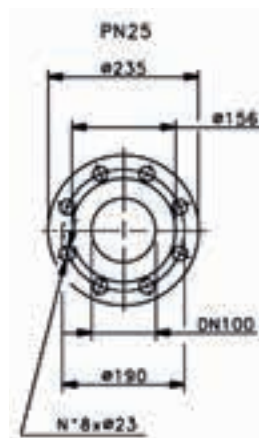
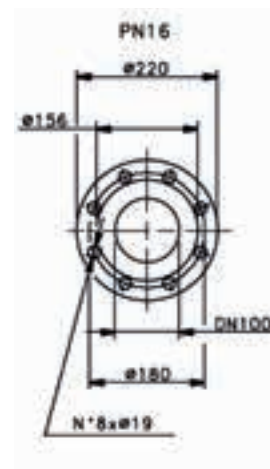
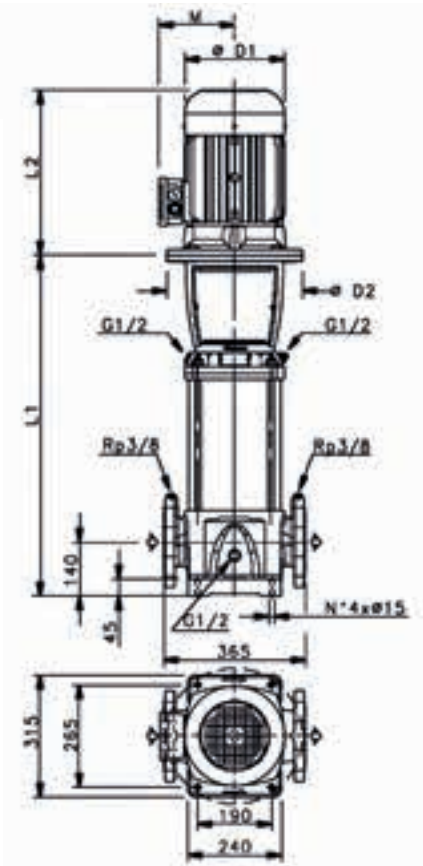
SURFACE MOUNTED PUMPS

VLR 66

Hydraulic Performance



Model	Motor		Flange	Dimensions (mm)					Net Weight (kg)	
	kW	MEC		L ₁	L ₂	D ₁	D ₂	M	Pump-	Total
VLR 66 - 10	5,5	132	16	574	374	220	300	151	72	107
VLR 66 - 20	11	160	16	699	427	257	350	194	81	148
VLR 66 - 30	18,5	160	16	789	532	310	350	244	86	202
VLR 66 - 40	22	180	16	879	532	310	350	244	93	213
VLR 66 - 50	30	200	16	969	613	354	400	278	105	237
VLR 66 - 60	37	200	25	1059	613	354	400	278	113	255
VLR 66 - 70	45	225	25	1149	710	411	450	298	122	341
VLR 66 - 80	45	225	25	1239	710	411	450	298	127	346



SURFACE MOUNTED PUMPS

VERTICAL MULTISTAGE CENTRIFUGAL PUMPS

E

The VLR 92's are vertical multistage centrifugal pumps with "in line" suction and delivery points directly connected to an electric motor. They are not self-priming.

Design Features include:

Impellers, diffusers and outer pump chamber in AISI 316L stainless steel, shaft in AISI 316L stainless steel. Base and head casting are cast iron. Silicon carbide mechanical seal. EPDM o rings. These versions are flanged. Counter flanges are not included.

Liquid temperatures range from -30°C to +120°C

Maximum operating pressures, suction head included:

16 Bar up to VLR92-40

25 Bar from 90-50/2 to 90-70/2

Applications include:

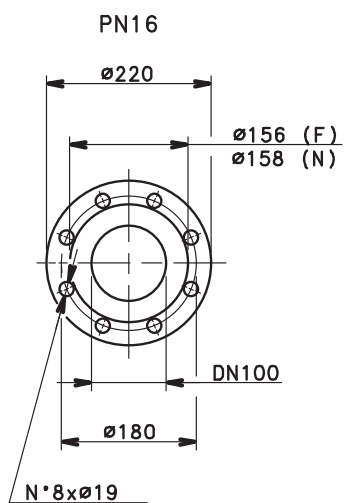
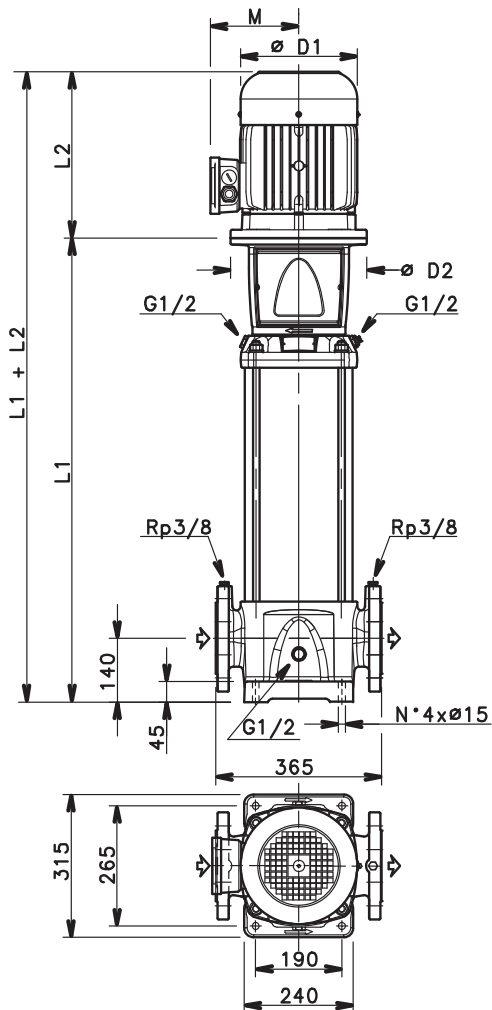
Water supply, pressure increase systems, irrigation, high pressure washers, fire fighting systems, boiler supply and liquid transfers.



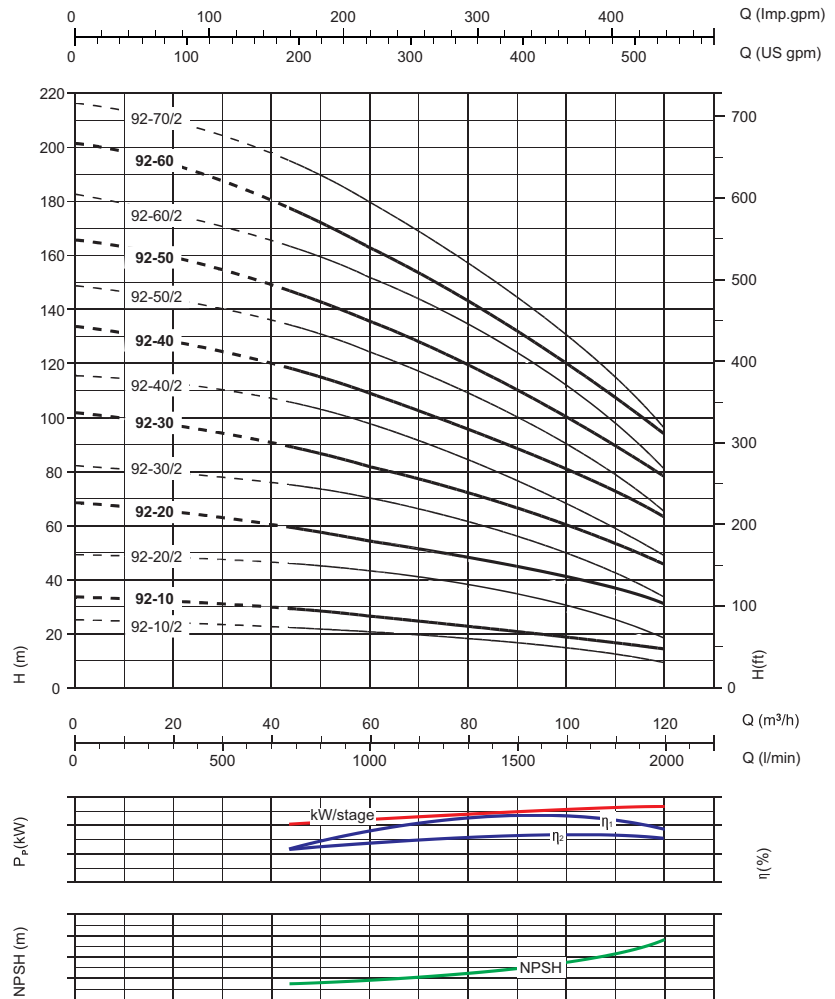
MODEL	Motor Power		VOLTAGE	In(A)	Q	L/1' m³/h	750	900	1000	1200	1300	1417	1600	1800	2000	CODE	PRICE
	HP	KW					45	54	60	72	78	85	96	108	120		
VLR 92 – 10/1	7,5	5,5	3 ~ 400/690 V	10,9		22	22	21	19	19	17	15	12	8		N8A2-011L	
VLR 92 – 10	10	7,5	3 ~ 400/690 V	14,7		29	27	26	24	23	22	20	18	14		N8A2-010L	
VLR 92 – 20/2	15	11	3 ~ 400/690 V	21		45	44	43	40	38	36	31	25	17		N8A2-022L	
VLR 92 – 20	20	15	3 ~ 400/690 V	29		58	55	53	50	48	45	41	36	30		N8A2-020L	
VLR 92 – 30/2	25	18,5	3 ~ 400/690 V	35		74	72	70	65	62	59	52	44	33		N8A2-032L	
VLR 92 – 30	30	22	3 ~ 400/690 V	42		88	84	81	76	73	69	63	56	46		N8A2-030L	
VLR 92 – 40/2	40	30	3 ~ 400/690 V	55		104	100	97	90	87	82	74	63	49		N8A2-042L	
VLR 92 – 40	40	30	3 ~ 400/690 V	55		117	112	108	101	97	92	85	75	63		N8A2-040L	
VLR 92 – 50/2	50	37	3 ~ 400/690 V	65		122	128	124	116	111	105	95	81	65		N8A2-052L	
VLR 92 – 50	50	37	3 ~ 400/690 V	65		146	140	135	126	121	115	106	94	78		N8A2-050L	
VLR 92 – 60/2	60	45	3 ~ 400/690 V	80		163	156	152	141	135	129	117	101	81		N8A2-062L	
VLR 92 – 60	60	45	3 ~ 400/690 V	80		176	168	163	151	146	139	127	113	94		N8A2-060L	
VLR 92 – 70/2	60	45	3 ~ 400/690 V	80		192	184	179	167	160	152	138	120	97		N8A2-072L	

SURFACE MOUNTED PUMPS

VLR 92



Hydraulic Performance



Model	Dimensions (mm)					Net Weight (kg)
	L ₁	L ₂	D ₁	D ₂	M	kg
VLR 92-10/1	574	375	214	300	168	109
VLR 92-10	574	367	256	300	191	127
VLR 92-20/2	699	428	256	350	191	150
VLR 92-20	699	494	313	350	240	182
VLR 92-30/2	789	494	313	350	240	197
VLR 92-30	789	494	313	350	240	208
VLR 92-40/2	879	613	354	400	278	232
VLR 92-40	879	613	354	400	278	232
VLR 92-50/2	969	613	354	400	278	250
VLR 92-50	969	613	354	400	278	250
VLR 92-60/2	1059	710	411	450	298	335
VLR 92-60	1059	710	411	450	298	335
VLR 92-70/2	1149	710	411	450	298	340

A**ACCESSORIES****STAINLESS HOSE CLIPS**

CODE	PRICE
030-269	
030-270	
030-272	
030-274	
030-276	
030-277	
030-278	
030-280	
030-282	

**BOLT CLAMPS**

CODE	PRICE
SEE	
PAGE	
148	

**ALUMINIUM HOSE JOINERS**

CODE	PRICE
-	
060-757*	
060-758	
060-759	
060-750	
-	
060-752	
060-754	
060-756	

* Brass

**HOSE LAYFLAT**

CODE	CUT PRICE
-	
030-300	
030-302	
030-304	
030-306	
030-307	
030-308	
030-310	
030-312	

**SUCTION HOSE**

CODE	CUT PRICE
030-320	
030-322	
030-324	
030-326	
030-328	
030-329	
030-330	
030-332	
030-334	

3/4"
1"
1 1/4"
1 1/2"
2"
2 1/2"
3"
4"
6"

3/4"
1"
1 1/4"
1 1/2"
2"
2 1/2"
3"
4"
6"

E**ACCESSORIES****GATE VALVE**

CODE	PRICE
060-190	
060-192	
060-194	
060-196	
060-198	
060-200	
060-202	
060-204	
060-206	

**BALL VALVES**

CODE	PRICE
060-150	
060-152	
060-154	
060-156	
060-158	
060-160	
060-161	
060-162	
060-164	

**INLINE STRAINER**

CODE	PRICE
060-092	
060-094	
060-096	
060-098	
060-100	
060-102	
060-104	
060-106	
060-108	

**BRASS HOSE TAILS (MALE)**

CODE	PRICE
060-006	
060-008	
060-014	
060-016	
030-223	
030-225	
030-229	
030-234	
030-235	

**BRASS HOSE TAILS (FEMALE)**

CODE	PRICE
060-017	
060-018	
060-020	
030-219	
030-221	
030-227	
-	-
-	-
-	-

1/2"
3/4"
1"
1 1/4"
1 1/2"
2"
2 1/2"
3"
4"

1/2"
3/4"
1"
1 1/4"
1 1/2"
2"
2 1/2"
3"
4"

**SWIFT (FEMALE) BSP**

CODE	PRICE
060-540	
060-542	
060-544	
060-546	
060-548	

**SWIFT (MALE) BSP**

CODE	PRICE
060-554	
060-556	
060-558	
060-560	
060-562	

**SWIFT HOSE BARB**

CODE	PRICE
060-586	
060-588	
060-590	
060-592	
060-594	

**PRESSURE RELIEF VALVES**

CODE	PRICE
060-470	
060-472	
060-474	
060-475	
060-476	
060-477	
-	-
060-479	
-	-

**MALE PLUG**

CODE	PRICE
060-522	
060-524	
060-526	
060-528	
060-530	
060-534	
-	-
-	-
-	-

1/2"
3/4"
1"
1 1/4"
1 1/2"

1/2"
3/4"
1"
1 1/4"
1 1/2"
2"
2 1/2"
3"
4"

SWIFT 3 WAY FITTING

SWIFT REPLACEMENT GASKET

SWIFT BLANKING CAP

STEP ADAPTOR 1 1/4" (Female P.V.C.)
1" - 3/4" - 1/2"STEP ADAPTOR 1 1/4" (Male P.V.C.)
1" - 3/4" - 1/2"

060-576

060-538

060-566

030-241

030-239



Swift 3 Way



Female Step Adapter



Male Step Adapter

ACCESSORIES

A

BARREL SOCKET

CODE	PRICE
060-482	
060-484	
060-486	
060-488	
060-490	
060-492*	
060-493*	
-	-
* GALVANISED	


3 PART UNION

CODE	PRICE
060-495	
060-496	
-	-
060-498	NLA
-	-
-	-
-	-
-	-
-	-


STD TIN CAN STRAINERS

CODE	PRICE
-	-
060-830	
060-832	
060-834	
060-836	
-	-
060-838	
060-840	
060-841	


NON RETURN VALVE

CODE	PRICE
060-130	
060-132	
060-134	
060-136	
060-137	
060-138	
060-139	
060-140	
-	-


SWING CHECK VALVE

CODE	PRICE
-	-
030-025	
030-032	
030-040	
030-050	
030-065	
030-080	
030-100	
030-150	


NIPPLE

CODE	PRICE
060-502	
060-504	
060-506	
060-508	
060-510	
060-514	
060-516	
060-518	
060-519	


ELBOW (M-F)

CODE	PRICE
060-600	
060-602	
060-604	
060-606	
060-608	
060-610	
060-612*	
060-614*	
* GALVANISED	


TEE (F-F-F)

CODE	PRICE
060-640	
060-642	
060-644	
060-646	
060-648	
060-650	
060-652	
060-654*	
* GALVANISED	


RCM MALE PLASTIC ELBOW

CODE	PRICE
-	-
060-064	
060-066	
060-068	
060-070	
-	-
-	-
-	-
-	-


RCF FEMALE PLASTIC ELBOW

CODE	PRICE
-	-
060-072	
060-074	
060-076	
060-078	
060-080	
-	-
-	-
-	-


SCREW-IN FILTERS

CODE	PRICE
060-460	
060-462	
060-464	
060-465	
060-466	
060-467	
060-468	
060-469	
060-651	


FOOT VALVE

CODE	PRICE
-	-
060-110	
060-112	
060-114	
060-116	
060-118	
060-119	
060-120	
060-122	


BRASS REDUCER BUSHES

SIZE	CODE	PRICE
3/4" - 1/2"	060-620	
1" - 3/4"	060-622	
1" - 1/2"	060-624	
1 1/4" - 1"	060-626	
1 1/2" - 1"	060-630	
1 1/2" - 1 1/4"	060-628	
2" - 1"	060-633	
2" - 1 1/4"	060-632	
2" - 1 1/2"	060-634	
2 1/2" - 2"	060-636	
3" - 2"	060-638*	
3" - 2 1/2"	060-639*	
* GALVANISED		


HOSE TAIL MALE (PVC)

CODE	PRICE
-	-
030-203	
030-207	
030-212	
030-215	
030-226	
-	-
030-231	
030-236	


HOSE TAIL FEMALE (PVC)

CODE	PRICE
-	-
030-205	
030-209	
030-214	
030-217	
030-228	
-	-
030-233	
030-238	

A CAM LEVER-LOCK COUPLINGS

Dimensions

CAM PART A													Size	Code	Price
Size	øA	øB	øC	D	E	-	-	-	-	L1	L2				
1"	23.91	29.06	36.73	14.27	39.25	-	-	-	-	33.53	14.50		1"	CAM A 1 AL	
1 1/4"	28.20	35.30	45.50	17.45	49.00	-	-	-	-	39.60	15.00		1 1/4"	CAM A 1 1/4 AL	
1 1/2"	36.26	42.93	53.47	17.45	54.50	-	-	-	-	41.15	15.00		1 1/2"	CAM A 1 1/2 AL	
2"	45.79	52.45	63.09	21.46	65.00	-	-	-	-	47.50	15.00		2"	CAM A 2 AL	
3"	73.15	81.33	91.54	22.66	95.00	-	-	-	-	50.00	19.05		3"	CAM A 3 AL	
4"	98.15	109.40	119.58	22.66	120.00	-	-	-	-	52.28	24.00		4"	CAM A 4 AL	
6"	152.50	161.53	175.93	24.38	185.00	-	-	-	-	57.15	25.40		6"	CAM A 6 AL	

CAM PART B													Size	Code	Price
Size	øA	øB	øC	øD	øE	F	-	-	-	L1	L2				
1"	48.00	42.00	37.24	32.00	40.49	7.00	-	-	-	56.00	38.00		1"	CAM B 1 AL	
1 1/4"	57.00	51.50	46.00	24.00	51.00	8.00	-	-	-	63.00	44.00		1 1/4"	CAM B 1 1/4 AL	
1 1/2"	66.00	59.50	54.00	40.00	57.20	9.00	-	-	-	66.00	46.00		1 1/2"	CAM B 1 1/2 AL	
2"	75.00	70.00	63.80	50.00	68.28	10.00	-	-	-	76.00	52.00		2"	CAM B 2 AL	
3"	104.00	99.00	92.20	76.00	96.04	12.30	-	-	-	87.00	56.00		3"	CAM B 3 AL	
4"	137.00	127.50	120.24	102.00	125.43	13.50	-	-	-	93.50	58.50		4"	CAM B 4 AL	
6"	195.00	187.00	176.50	152.00	182.40	14.00	-	-	-	108.50	62.50		6"	CAM B 6 AL	

CAM PART C													Size	Code	Price
Size	øA	øB	øC	øD	øE	F	øG	øH	-	L1	L2				
1"	48.00	42.00	37.24	19.50	24.80	7.00	27.40	40.49	-	106.00	38.00		1"	CAM C 1 AL	
1 1/4"	57.00	51.00	46.00	25.50	31.00	8.00	34.00	51.00	-	112.00	44.00		1 1/4"	CAM C 1 1/4 AL	
1 1/2"	66.00	59.50	54.00	32.00	37.70	9.00	40.50	57.20	-	106.00	46.00		1 1/2"	CAM C 1 1/2 AL	
2"	75.00	70.00	63.75	44.00	49.60	10.00	53.20	68.28	-	118.00	52.00		2"	CAM C 2 AL	
3"	104.00	99.00	92.20	67.41	75.40	12.30	79.20	96.04	-	147.00	56.00		3"	CAM C 3 AL	
4"	137.00	127.50	120.24	92.00	100.80	13.50	104.70	125.04	-	171.50	58.50		4"	CAM C 4 AL	
6"	195.00	187.00	176.50	144.40	152.40	14.00	155.60	182.40	-	230.00	62.50		6"	CAM C 6 AL	

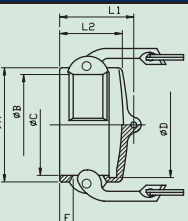
CAM PART D													Size	Code	Price
Size	øA	øB	øC	øD	øE	F	-	-	-	L1	L2				
1"	48.00	42.00	37.24	40.49	39.25	7.00	-	-	-	56.00	38.00		1"	CAM D 1 AL	
1 1/4"	57.00	51.50	46.00	51.00	49.00	8.00	-	-	-	63.00	44.00		1 1/4"	CAM D 1 1/4 AL	
1 1/2"	66.00	59.50	54.00	57.20	54.50	9.00	-	-	-	65.00	46.00		1 1/2"	CAM D 1 1/2 AL	
2"	75.00	70.00	63.80	68.28	65.00	10.00	-	-	-	76.00	52.00		2"	CAM D 2 AL	
3"	104.00	99.00	92.20	96.04	95.00	12.30	-	-	-	87.00	56.00		3"	CAM D 3 AL	
4"	137.00	127.50	120.24	125.43	120.00	13.50	-	-	-	92.00	58.50		4"	CAM D 4 AL	
6"	195.00	187.00	176.50	182.40	-	14.00	-	-	-	108.50	62.50		6"	CAM D 6 AL	

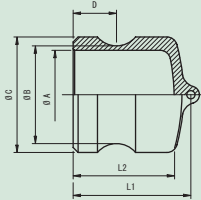
CAM PART E													Size	Code	Price
Size	øA	øB	øC	D	øE	øF	øG	-	-	L1	L2				
1"	23.91	29.06	36.73	14.27	24.80	19.50	27.40	-	-	102.00	41.00		1"	CAM E 1 AL	
1 1/4"	28.20	35.30	45.50	17.45	31.00	25.50	34.00	-	-	108.00	47.00		1 1/4"	CAM E 1 1/4 AL	
1 1/2"	36.26	42.93	53.47	17.45	37.10	32.00	40.50	-	-	113.00	48.00		1 1/2"	CAM E 1 1/2 AL	
2"	45.79	52.45	63.09	21.46	49.60	44.00	53.20	-	-	131.00	57.00		2"	CAM E 2 AL	
3"	73.15	81.33	91.54	22.66	75.40	67.40	79.20	-	-	166.00	60.00		3"	CAM E 3 AL	
4"	98.15	109.40	119.58	22.66	100.80	91.80	104.70	-	-	173.50	61.50		4"	CAM E 4 AL	
6"	152.50	161.53	175.93	24.38	152.40	144.40	155.60	-	-	232.85	57.15		6"	CAM E 6 AL	

CAM PART F															
Size	øA	øB	øC	D	E	øF	-	-	L1	L2	L3		Size	Code	Price
1"	23.91	29.06	36.73	14.27	39.25	24.00	-	-	66.00	33.53	14.50		1"	CAM F 1 AL	
1 1/4"	28.20	35.30	45.50	17.45	46.50	31.00	-	-	73.50	73.50	14.90		1 1/4"	CAM F 1 1/4 AL	
1 1/2"	36.26	42.93	53.47	17.45	54.50	40.00	-	-	76.00	41.15	15.00		1 1/2"	CAM F 1 1/2 AL	
2"	45.79	52.45	63.09	21.46	65.00	50.00	-	-	86.50	47.50	15.00		2"	CAM F 2 AL	
3"	73.15	81.33	91.54	22.66	92.00	76.00	-	-	100.00	50.00	19.05		3"	CAM F 3 AL	
4"	98.15	109.40	119.58	22.66	120.00	102.50	-	-	112.00	52.28	24.00		4"	CAM F 4 AL	
6"	152.50	161.53	175.93	24.38	185.00	152.00	-	-	128.45	57.15	25.40		6"	CAM F 6 AL	

CAM LEVER-LOCK COUPLINGS

A

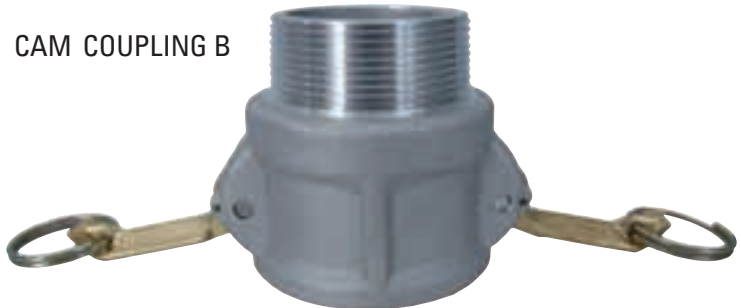
DC CAM														Size	Code	Price
Size	øA	øB	øC	øD	-	-	-	-	L1	L2	F					
1"	48.00	42.00	37.24	40.49	-	-	-	-	46.00	38.00	7.00	1"		CAM DC 1 AL		
1 1/4"	57.00	51.50	46.00	51.00	-	-	-	-	51.00	44.00	8.00	1 1/4"		CAM DC 1 1/4 AL		
1 1/2"	66.00	59.50	54.00	57.20	-	-	-	-	54.00	46.00	9.00	1 1/2"		CAM DC 1 1/2 AL		
2"	77.00	70.00	63.80	68.28	-	-	-	-	63.00	52.00	10.00	2"		CAM DC 2 AL		
3"	106.00	99.00	92.20	96.04	-	-	-	-	64.00	56.00	12.30	3"		CAM DC 3 AL		
4"	137.00	127.50	120.24	125.43	-	-	-	-	70.00	60.00	13.50	4"		CAM DC 4 AL		
6"	195.00	187.00	176.50	181.00	-	-	-	-	72.50	62.50	14.00	6"		CAM DC 6 AL		

DP CAM															
Size	øA	øB	øC		-	-	-	-	L1	L2	D		Size	Code	Price
1"	23.91	29.06	36.73		-	-	-	-	40.00	32.00	14.27		1"	CAM DP 1 AL	
1 1/4"	28.20	35.30	45.50		-	-	-	-	46.00	37.50	17.50		1 1/4"	CAM DP 1 1/4 AL	
1 1/2"	36.26	42.93	53.47		-	-	-	-	45.00	37.00	17.45		1 1/2"	CAM DP 1 1/2 AL	
2"	45.79	52.45	63.09		-	-	-	-	52.00	43.00	21.46		2"	CAM DP 2 AL	
3"	73.15	81.33	91.54		-	-	-	-	58.00	47.00	22.66		3"	CAM DP 3 AL	
4"	98.15	109.40	119.58		-	-	-	-	61.00	50.00	22.66		4"	CAM DP 4 AL	
6"	152.50	161.53	175.93		-	-	-	-	61.15	57.15	24.38		6"	CAM DP 6 AL	

CAM COUPLING A



CAM COUPLING B



CAM COUPLING C



CAM COUPLING E



CAM COUPLING D



CAM CAP



CAM PLUG



CAM COUPLING F



ACCESSORIES

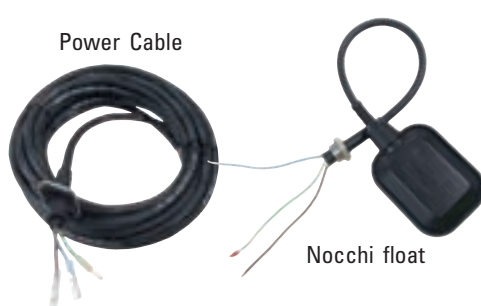
POWER CABLES & FLOAT SWITCHES

A

DESCRIPTION	Kg	CODE	PRICE
Pump Power Cable 10 metre 1.5mm 3 core 110v/230v	1.5	030-705	
Pump Power Cable 10 metre 2.5mm 3 core 110v/230v	2.0	030-707	
Pump Power Cable 10 metre 1.5mm 4 core 415v	1.6	030-720	
Pump Power Cable 10 metre 2.5mm 4 core 415v	2.0	030-721	
Mac 3 Float	1.0	020-001	
Agma 22 Magnetic	1.5	020-003	
Nocchi Pump Power Cable 10 metre 110v/230v	1.5	ZBR20460	
Nocchi Pump Float Switch	0.5	ZBR20450	



Mac-3



Power Cable

Nocchi float



Agma

Nocchi
Power Cable

PETROL ENGINE 4 STROKE & DIESEL ENGINE OIL

A

DESCRIPTION	GRADE	SIZE	Kg	CODE	PRICE
Petrol Engine Oil 4 stroke/ Diesel Engine Oil	5W-30	1 Litre	0,92	710-710	

Semi-synthetic, fuel efficient multigrade engine oil meeting the latest API classifications. This 5W-30 is manufactured from a balanced blend of top quality mineral and synthetic base stocks, producing a high quality engine oil with the properties of semi-synthetic technology.



STAINLESS STEEL HOSE CLIPS, BOLT CLAMPS

A

SIZE APPROX	CODE	PRICE	SIZE APPROX	CODE	PRICE
LAYFLAT & SUCTION HOSE CLIPS			BOLT CLAMPS LAYFLAT		
3/4"	16-25mm	030-269	2"	52-55mm	030-250
1"	22-30mm	030-270	3"	80-85mm	030-252
1 1/4"	30-40mm	030-272	4"	104-112mm	030-254
1 1/2"	35-50mm	030-274	6"	149-161mm	030-256
2"	40-60mm	030-276	BOLT CLAMPS SUCTION HOSE		
2 1/2"	50-70mm	030-277	2"	56-59mm	030-260
3"	70-90mm	030-278	3"	86-91mm	030-262
4"	110-140mm	030-280	4"	104-112mm	030-254
6"	130-160mm	030-282	6"	162-174mm	030-266



Hose Clip



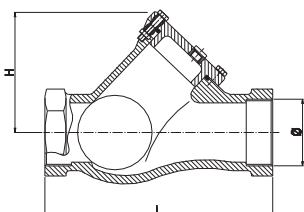
Bolt Hose Clamp

ACCESSORIES

THREADED & FLANGED BALL RETAINING VALVES

E

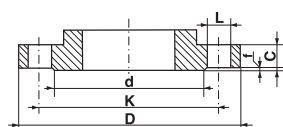
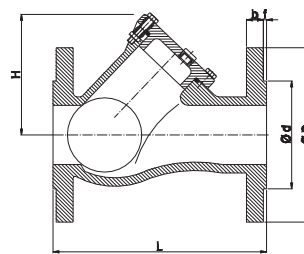
Ball retaining valves for waste water, suitable for heavy duty applications. The special chemical structure of NBR rubber, coating the stainless steel ball, allows the application with liquids of different viscosity and/or chemically aggressive and liquids having temperatures from 0° to 110°C. the use of rubber coating on all available diameters, improves quality and life of valves reducing water hammer problems assuring noiseless installations.



DESCRIPTION	H	L	Kg	CODE	PRICE
1¼" Threaded	100	170	4	060-740	
1½" Threaded	100	170	4	060-741	
2" Threaded	115	200	6	060-742	
2½" Threaded	140	268	10	060-743	



DESCRIPTION	DN	D	d	b	f	H	L	Kg	CODE	PRICE
DN50 PN16 Flanged	50	165	102	15	3	115	202	9.5	060-744	
DN65 PN16 Flanged	65	185	122	15	3	140	248	13.0	060-745	
DN80 PN16 Flanged	80	200	138	17	3	158	262	16.5	060-746	
DN100 PN16 Flanged	100	220	158	17	3	194	302	23.0	060-747	
DN150 PN16 Flanged	150	285	212	19	3	258	408	49.0	060-748	
DN200 PN10 Flanged	200	340	260	25	3	310	505	97.0	060-749	



FLANGE DATA										
DN	PN	D	K	L	n°	dia	C	d	f	
50	16	165	125	18	4	M16	18	102	3	
65	16	185	145	18	4	M16	18	122	3	
80	16	200	160	18	8	M16	20	138	3	
100	16	220	180	18	8	M16	20	158	3	
150	16	285	240	22	8	M20	22	212	3	
200	16	340	295	22	12	M20	26	-	-	

SPHERE DESCRIPTION

Vulcanised rubber compound (with high contents of acrylic-nitril rubber) suitable for where high resistance to gasolines (butane, propane) and oils is required.



WELL AND BOREHOLE PUMPS

BASIC GUIDE FOR SELECTING A WELL AND BOREHOLE PUMP

Vertical depth of borehole	metres	On site calculation
Extra vertical head from top of borehole	metres	On site calculation
Horizontal run from top of borehole	metres	On site calculation
Amount of water required in litres per min	L/M Litres Per Min	
Pressure required at end of pipe	Bar	
Internal bore of pipe	inches / mm	If possible keep to cartridge outlet size to ensure maximum performance
Pump complete or borehole Cartridge Selection	SCM /	See pages 152 – 164 Also see pipe resistance chart

GUIDE FOR SELECTING A BOREHOLE MOTOR

Voltage Required	230v or 415v	
Kw Required for cartridge = Kw Motor	kW	See Page 159
Length of Cable Required	Metres	
Cable size recommendation	mm	See Page 167

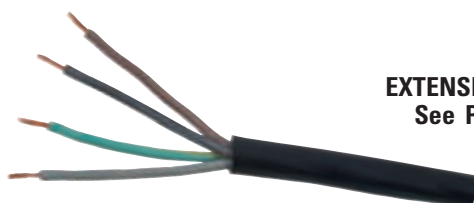
CONTROL PANELS AND ACCESSORIES

Type of control Panel required	Switch/Overload Box	See Page 159
	Basic Control panel	See Page 48
	Pilot Control	See Page 151
	Submatic Q	See Page 52
Cable Joining Kits	1.0mm 4 Core to 4mm 4 Core 6mm 4 core to 10mm 4 core	See Page 167 See Page 167

The more information given to us the more we can assist with your application



CABLE JOINING KITS
See Page 167



EXTENSION CABLE
See Page 167

**CAPACITOR /
OVERLOAD BOXES**
See Page 159



WELL AND BOREHOLE PUMPS

NASTEC PILOT

E

MODEL	Kg	VOLTAGE +/- 10%	MAX AMPS	CODE	PRICE
PILOT 112	2	1 x 230v	12A	PILOT 112	
PILOT 118	2	1 x 230v	18A	PILOT 118	
PILOT 312	2.2	3 x 400v	12A	PILOT 312	
PILOT 325	2.4	3 x 400v	25A	PILOT 325	

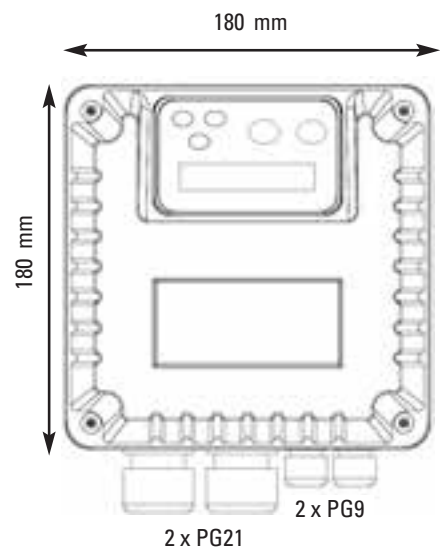
PILOT is an electronic device for the control of single phase and three phase motors (pumps) which provides protection against: dry running, overcurrent, phase loss, excessive number of starts.

The backlit LCD displays the running current and PILOT stops the pump if the maximum value set by the user is exceeded. The maximum number of pump starts is also user selectable and PILOT will stop the pump operation if this value is exceeded.

Dry running

PILOT provides a display of the power factor value (P.F. or $\cos\phi$) and allows the user to set a minimum threshold value for normal operation. PILOT will stop the pump below this value to protect against dry running. PILOT will make up to 5 automatic restart attempts following an alarm condition at time intervals set by the user.

Replaces existing control box and can be wired to a pressure switch or a float.



WELL AND BOREHOLE PUMPS

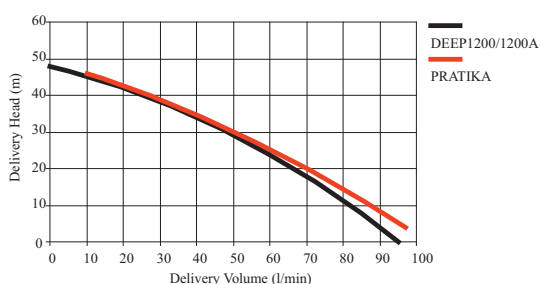
DEEP & PRATIKA – MULTISTAGE PUMPS

230v

D

MODEL	Kg	H x W x L mm	LM/HM	kW	CODE	PRICE
DEEP 1200 AUTO	10.8	400 x 150 x 150	90/45	1.1	022-832	
PRATIKA MANUAL	10.8	406 x 178 x 178	110/45	1.2	022-824	
PRATIKA AUTO	10.8	406 x 178 x 178	110/45	1.2	022-822	

The Pratika (stainless steel, 1 1/4" outlet) and Deep (plastic, 1" outlet) submersible pumps are portable and ready to use for installation in traditional wells, water deposits and collection tanks. Suitable for small scale irrigation systems. CLEAN WATER ONLY with no suspended solids or Abrasive material. Maximum submersion depth 10m. Complete with 15m of HO7 RN-F cable.



Deep 1200



Pratika Auto

MICRA 3"

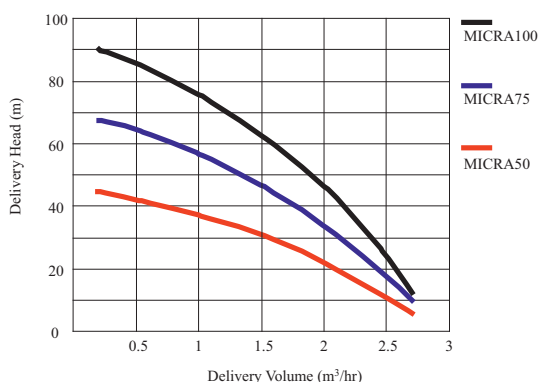
1" OUTLET 230v

E

MODEL	Kg	H x W x L mm	LM/HM	kW	CODE	PRICE
MICRA-50M	9.8	930 x 72 x 72	45/45	0.6	022-910	
MICRA-75M	11	1145 x 72 x 72	45/68	0.9	022-912	
MICRA-100M	12	1390 x 72 x 72	45/90	1.2	022-914	

Micra – complete with capacitor/thermal overload control box. 1.5 metre 4 core cable supplied from motor.

For additional cable and joining kits see page 167. Stainless steel construction with Noryl impellers and diffusers. Non-return valve built into discharge head.



Micra



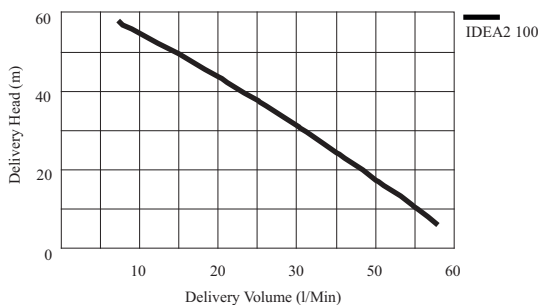
IDEA 4"

1" OUTLET

D

MODEL	Kg	H x W x L mm	LM/HM	kW	CODE	PRICE
IDEA-100M 230v	11.6	385 x 95 x 95	50/55	1.15	022-816	
IDEA-100M 110v	11.6	385 x 95 x 95	50/55	1.15	022-818	

Idea 100 – 10 metre 4 core cable supplied from motor to capacitor/thermal overload control box. For additional cable and joining kits see page 167. Peripheral turbine pump. Examples of use – for clean water boosting, pressure booster sets and sprinkle irrigation.



Idea



WELL AND BOREHOLE PUMPS

DOMINATOR 4"

1 1/4" OUTLET 230v

E

MODEL	Kg	H x W x L mm	LM/HM	kW	CODE	PRICE
DOMINATOR 55/50M	8.8	549 x 98 x 98	55/50	0.65	320-0040	
DOMINATOR 75/56M	9.6	643 x 98 x 98	75/56	0.75	320-0050	
DOMINATOR 115/57	9.9	643 x 98 x 98	115/57	1.1	320-0030	

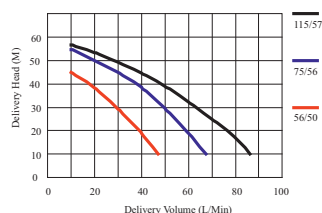
Dominator – c/w 20m 3 core cable.

Internal capacitor. Acetal resin impellers, polycarbonate diffusers. Stainless steel pump casing and suction screen.

Mechanical seal. Integrated non-return valve.

Clean water only. Max water temp 40°C.

Maximum submersion depth 20m.



Dominator 4"

DOMINATOR 5"

1 1/4" OUTLET 230v

E

MODEL	Kg	H x W x L mm	LM/HM	kW	CODE	PRICE
DOMINATOR 70/50 MAN	14	470 x 132 x 132	70/50	0.95	319-1000	
DOMINATOR 70/50 AUTO	14	470 x 132 x 132	70/50	0.95	319-1010	
DOMINATOR 140/65 MAN	16	550 x 132 x 132	140/65	1.7	319-1060	
DOMINATOR 140/65 AUTO	16	550 x 132 x 132	140/65	1.7	319-1070	

Dominator – c/w 20m 3 core cable.

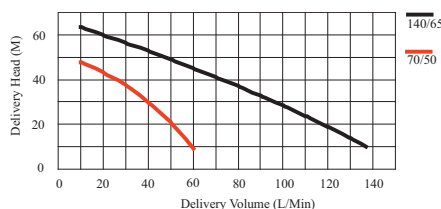
Internal capacitor.

Stainless steel pump casing, suction screen, impellers and diffusers.

Mechanical seal. Integrated non-return valve.

Clean water only. Max water temp 40°C.

Maximum submersion depth 20m.



Dominator 5"

DIVER 5"

1 1/4" OUTLET 230v

D

MODEL	Kg	H x W x L mm	LM/HM	kW	CODE	PRICE
DIVER 100M 230v	13	409 x 127 x 127	80/48	1.1	022-810	
DIVER 150M 230v	13	550 x 127 x 127	90/70	1.6	022-812	
DIVER 200M 230v	16	648 x 127 x 127	90/90	2.3	022-808	
DIVER 200T 415v	16	648 x 127 x 127	90/90	2.7	022-806	

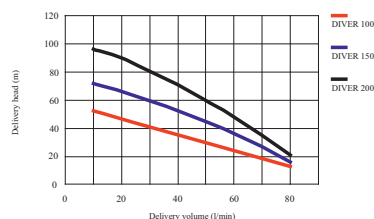
Diver and diver HF – c/w 10m 4 core cable.

Capacitor and thermal overload box.

Stainless steel motor and outer case.

Impellers and diffusers made from Noryl.

Mechanical seal. Clean water only.



Diver Series

DIVER 5" HIGH FLOW

1 1/4" OUTLET 230v

D

MODEL	Kg	H x W x L mm	LM/HM	kW	CODE	PRICE
DIVER HF 100M	13	459 x 127 x 127	280/28	1.2	022-900	
DIVER HF 150M	14	521 x 127 x 127	280/40	1.6	022-902	
DIVER HF 200M	17	604 x 127 x 127	280/55	2.2	022-904	

Diver and diver HF – c/w 10m 4 core cable.

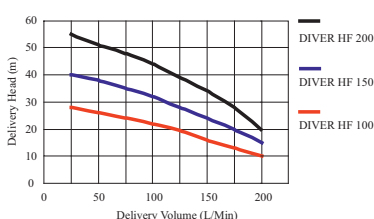
Capacitor and thermal overload box.

Stainless steel motor and outer case.

Impellers and diffusers made from Noryl.

Mechanical seal. Clean water only.

Built for high flow, with low pressure.



WELL AND BOREHOLE PUMPS

4HS THE ELECTRONIC REVOLUTION 4" VARIABLE SPEED SUBMERSIBLE PUMPS

E

MODEL	Kg	W x L mm	MAX Kw	CODE	PRICE
4HS 02/04	19.5	100 x 936	2.1	4HS-0204	
4HS 02/08	22	100 x 1065	3.5	4HS-0208	
4HS 04/03	19.4	100 x 915	2.4	4HS-0403	
4HS 04/05	21.5	100 x 1002	3.5	4HS-0405	
4HS 06/02	19.2	100 x 894	2.2	4HS-0602	
4HS 06/04	21.4	100 x 981	3.8	4HS-0604	

4HS is a range of 4" electric submersible pumps for well applications, featuring:

- Three-phase water-filled asynchronous motor with encapsulated resin stator, fully constructed of AISI 304 stainless steel.
- Built-in integrated inverter controlled by CM control module.
- Multistage pump made of AISI 304 stainless steel.

An Inverter allows 4HS to:

- Change pump speed to maintain set-pressure regard-less of water demand. Thus, the pump is operated only when and as needed without wasting energy, and extending pump life.
- Starts and stops pump gently, thus reducing peak absorption, mechanical stress.
- Protects pump and drive from overload, surges, under/over-voltage, dry running, and any abnormal conditions.

4HS product range matches applications in commercial and residential markets for water supply, water pressurization and irrigation.

Compared to conventional solutions 4HS offers:

- Energy-saving operation.
- Quick and simplified application.
- System reliability.

A ready to use product

The 4HS range of submersible pumps are suitable for drinking water applications and are designed to provide customers a ready to-use product and come packaged in a kit, comprising:

- 4HS pump including 2.5 meter/8 foot flat cable lead (ACS-WRAS - KTM compliant)
- Surface control module (CM)
- Cable junction kit
- Pressure transducer 0-16 bar / 0—250 psi
- Operating Manual



SURFACE CONTROL MODULE CM



WELL AND BOREHOLE PUMPS

4HS THE ELECTRONIC REVOLUTION 4" VARIABLE SPEED SUBMERSIBLE PUMPS

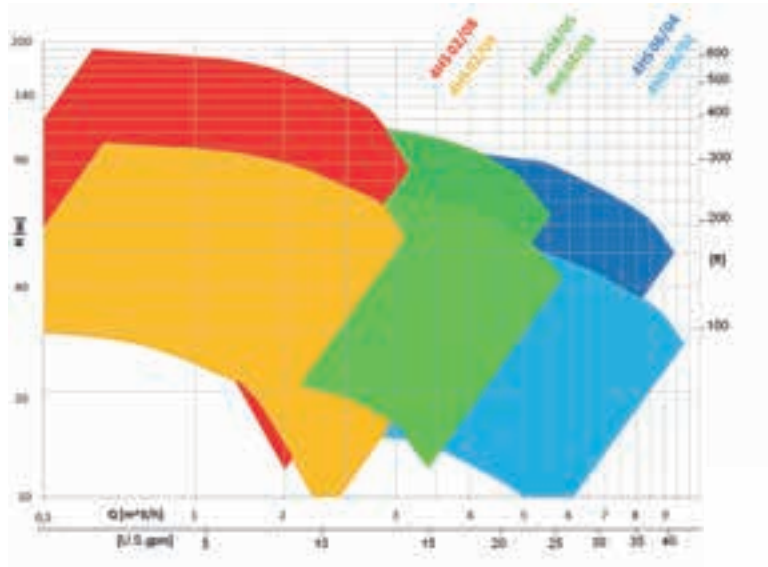
E

CM control module, mounted above-ground, manages the pump operation by changing pump speed to maintain the desired pressure in the system regardless of water demand. Simply connect the pressure transducer, supplied as standard, and perform a quick set-up of the sensor to configure the pressure range in relation to the system. During operation, the CM control unit continuously monitors the electrical, hydraulic and thermal parameters providing complete protection against under/over-voltage, overload and dry-running.

To set-up the system in a constant pressure application simply install the 4HS pump, connect the CM control module and wire the pressure sensor. A small pressure tank is normally used to compensate for water losses while the pump is not running.

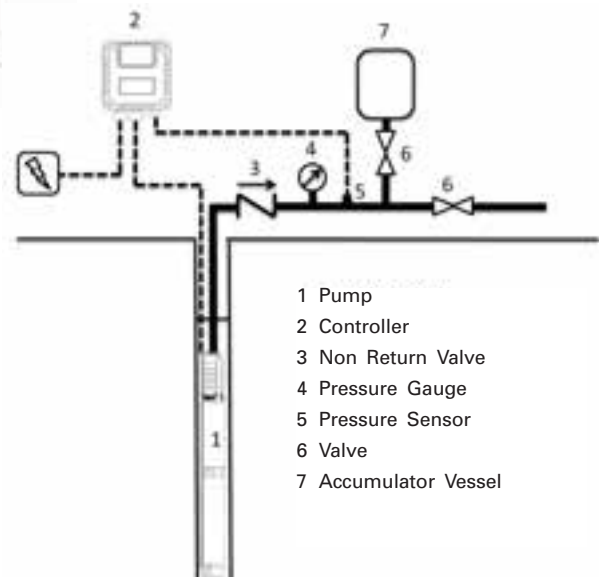


PRESSURE TRANSDUCER



CABLE JOINT KIT

If the water demand decreases, 4HS will reduce the speed to keep constant pressure. As you can note from the chart, a speed reduction corresponds a significant decrease of the power consumption. For example, always keeping the 7 bar, if frequency changes from 110 Hz down to 90 Hz, power drops from 1200W to less than 600 W. 4HS can be used with fixed speed by setting the working frequency. This means that each 4HS model covers the performances given by several standard pumps at fixed speed. Among the parameters to be set in the CM control module, is the use of limiting the maximum current absorbed by the pump. Exceeding this threshold, for example in case of vot drop, the control will reduce the 4HS pump speed to always ensure operation.



- 1 Pump
- 2 Controller
- 3 Non Return Valve
- 4 Pressure Gauge
- 5 Pressure Sensor
- 6 Valve
- 7 Accumulator Vessel

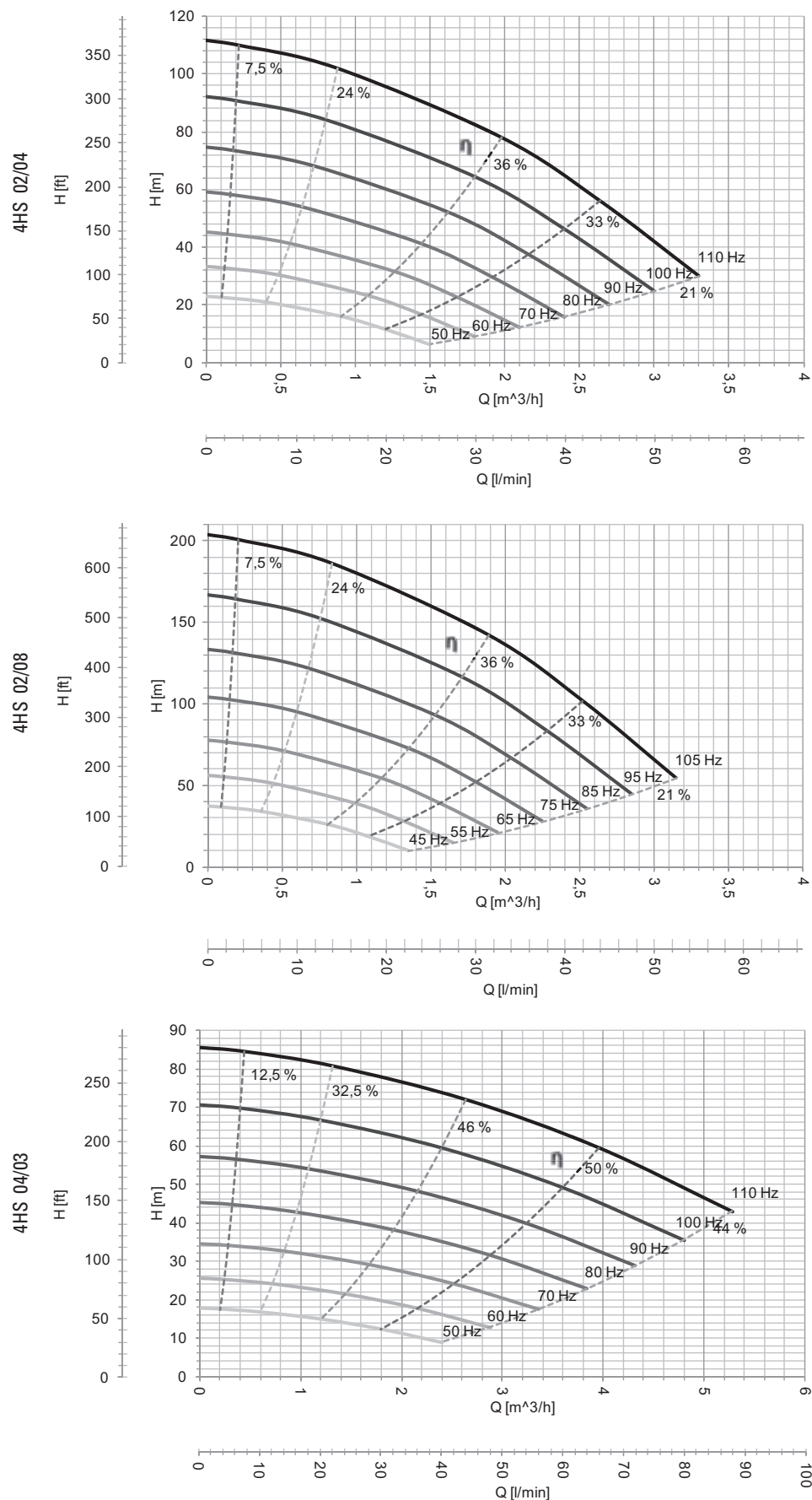
Variable speed allows 4HS to cover a wide range of water flow and heads with only few models; selecting the proper pump model for an application will help maximize the performance and overall efficiency of the application.

Use the flow graphs on the following pages to select the most suitable 4HS pump model for your application.

WELL AND BOREHOLE PUMPS

4HS THE ELECTRONIC REVOLUTION 4" VARIABLE SPEED SUBMERSIBLE PUMPS

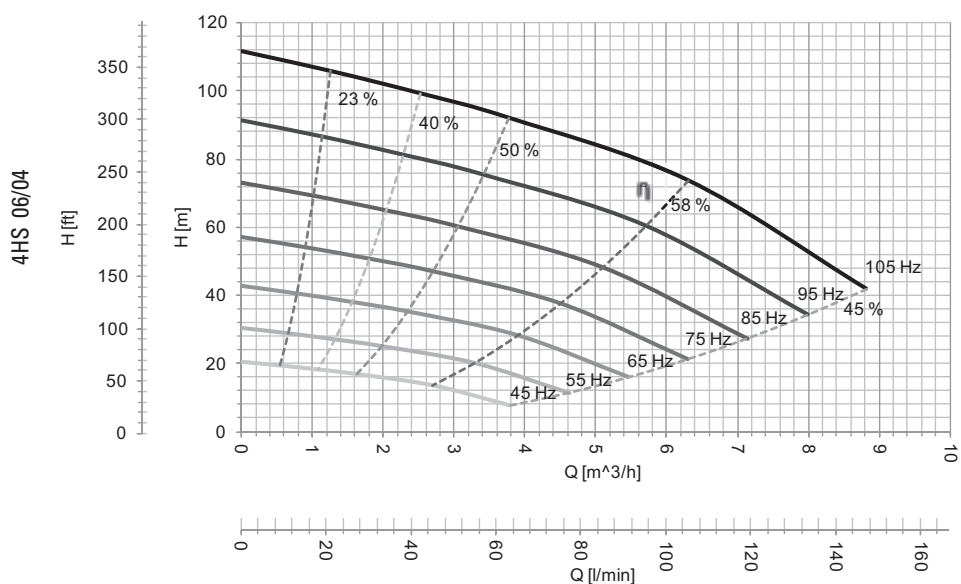
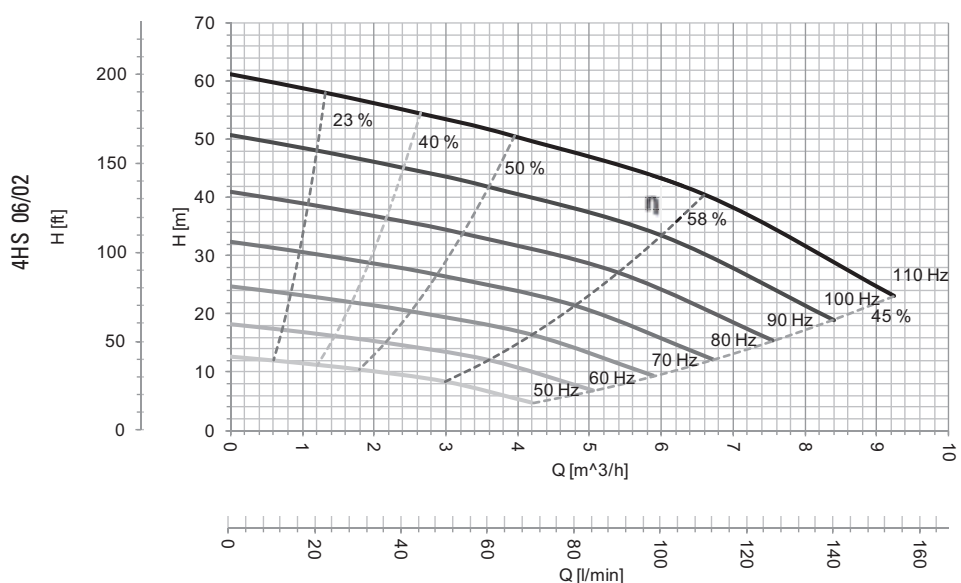
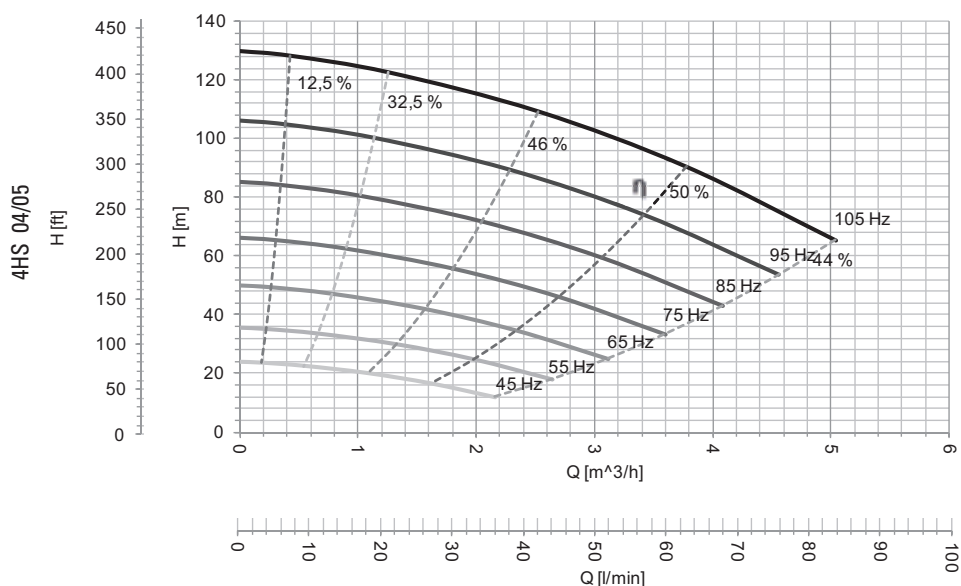
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WELL AND BOREHOLE PUMPS

4HS THE ELECTRONIC REVOLUTION 4" VARIABLE SPEED SUBMERSIBLE PUMPS

E



WELL AND BOREHOLE PUMPS

4" BOREHOLE MOTORS 230v & 415v

4" borehole motors are supplied with a flying lead from the motor to allow for the joining and connection of the required cable. Stainless steel AISI 304 stator shell. Water lubricated rotor. Shaft/rotor made from high grade stainless steel.



CONNECTOR CABLE

All the 4" borehole motors are supplied with a four core watertight removable cable. Ideal for assembly/disassembly of the motor or pump part.

4" SUBMERSIBLE CANNED TYPE MOTOR



Top and bottom brackets made from cast iron with nickel plating treatment with a cover made from stainless steel AISI 304 for a full stainless steel appearance.

Ensure that the well or installation is clean.
Maximum sand content must not exceed 150 gr/m³.

Carbon graphite bushes, thrust bearings with hardened stainless steel pads.
For the different sizes of motors and the loading of the pumps there are different thrust bearing loading systems.



THRUST BEARING SYSTEM 2000N-3000N SERIES

2000N from 0.37kw to 1.1kw
3000N from 1.5kw to 2.2kw

THRUST BEARING SYSTEM 6000N SERIES

from 3.0kw to 7.5kw



WELL AND BOREHOLE PUMPS

4" BOREHOLE MOTORS 230v & 415v

E

4" Borehole motors are supplied with a flying lead from the motor to allow for the joining and connection of the required cable.

Please see page 167 for cable selection chart, cables and joining kits.

If you require capacitor/overload protection please see below & page 48.

Standard nema mounting and shafts CCW rotation.

MODEL	kW	VOLT	UF SIZE	FLC	CODE	PRICE
4" MOTOR	0.37	230	20	3.5	023-400	
4" MOTOR	0.55	230	25	4.8	023-404	
4" MOTOR	0.75	230	35	5.7	023-408	
4" MOTOR	1.1	230	40	8.2	023-412	
4" MOTOR	1.5	230	50	10.5	023-416	
4" MOTOR	2.2	230	70	15.2	023-420	
4" MOTOR	0.37	415	N/A	1.4	023-402	
4" MOTOR	0.55	415	N/A	1.7	023-406	
4" MOTOR	0.75	415	N/A	2.1	023-410	
4" MOTOR	1.1	415	N/A	3.2	023-414	
4" MOTOR	1.5	415	N/A	4.1	023-418	
4" MOTOR	2.2	415	N/A	5.9	023-422	
4" MOTOR	3	415	N/A	7.9	023-424	
4" MOTOR	4	415	N/A	10.1	023-426	
4" MOTOR	5.5	415	N/A	13.9	023-428	
4" MOTOR	7.5	415	N/A	16.9	023-430	



CAPACITOR/OVERLOAD BOXES

4" BOREHOLE MOTORS 230v

E

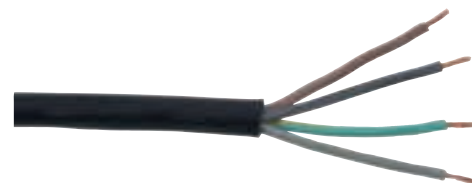
kW	VOLT	CAPACITOR	OVER LOAD	WITH LOW LEVEL CONTROL	CODE	PRICE
0.37	230	20	5	NO	023-546	
0.55	230	25	6	NO	023-548	
0.75	230	35	8	NO	023-550	
1.1	230	40	11	NO	023-552	
1.5	230	55	13	NO	023-554	
2.2	230	70	18	NO	023-556	

For three phase 415v and single phase 230v control panels with built in capacitors, overload and optional low level protection see page 48.



CABLE JOINING KITS

See Page 167



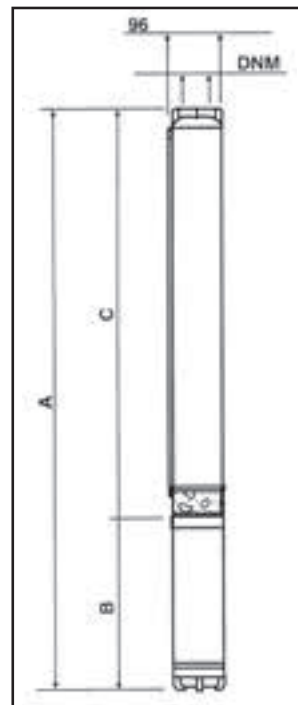
EXTENSION CABLE
See Page 167

WELL AND BOREHOLE PUMPS

SCM 4 PLUS MULTISTAGE BOREHOLE CARTRIDGES

TABLE FOR CALCULATING PUMP LENGTH

MODEL	A Total Length mm	B Motor Length mm	C Pump Length mm	DNM	Total Weight Kg.
SCM 4 PLUS 40/57 M	576	242	334	1 1/4"	11.8
SCM 4 PLUS 40/57 T	557	223	334		10.8
SCM 4 PLUS 40/90 M	717	271	446		14.0
SCM 4 PLUS 40/90 T	688	242	446		12.7
SCM 4 PLUS 40/120 M	857	299	558		16.1
SCM 4 PLUS 40/120 T	829	271	558		14.9
SCM 4 PLUS 40/185 M	1109	327	782		19.2
SCM 4 PLUS 40/185 T	1081	299	782		17.9
SCM 4 PLUS 40/240 M	1339	356	983		22.2
SCM 4 PLUS 40/240 T	1310	327	983		20.8
SCM 4 PLUS 55/50 M	509	242	267		11.3
SCM 4 PLUS 55/50 T	490	223	267		10.3
SCM 4 PLUS 55/80 M	628	271	357		13.1
SCM 4 PLUS 55/80 T	599	242	357		11.8
SCM 4 PLUS 55/105 M	700	299	401		14.9
SCM 4 PLUS 55/105 T	672	271	401		13.7
SCM 4 PLUS 55/160 M	862	327	535		17.3
SCM 4 PLUS 55/160 T	834	299	535		16.0
SCM 4 PLUS 55/200 M	1026	356	670		19.8
SCM 4 PLUS 55/200 T	997	327	670		18.4
SCM 4 PLUS 55/300 T	1317	356	961		22.3
SCM 4 PLUS 75/40 M	545	242	303	1 1/4"	11.2
SCM 4 PLUS 75/40 T	526	223	303		10.2
SCM 4 PLUS 75/56 M	631	271	360		12.9
SCM 4 PLUS 75/56 T	602	242	360		11.6
SCM 4 PLUS 75/75 M	744	299	445		14.8
SCM 4 PLUS 75/75 T	716	271	445		13.6
SCM 4 PLUS 75/110 M	915	327	588		17.1
SCM 4 PLUS 75/110 T	887	299	588		15.8
SCM 4 PLUS 75/140 M	1058	356	702		19.4
SCM 4 PLUS 75/140 T	1029	327	702		18.0
SCM 4 PLUS 75/210 T	1372	356	1016		21.5
SCM 4 PLUS 115/30 M	488	242	246	1 1/4"	11.0
SCM 4 PLUS 115/30 T	469	223	246		10.0
SCM 4 PLUS 115/50 M	602	271	331		12.8
SCM 4 PLUS 115/50 T	573	242	331		11.5
SCM 4 PLUS 115/65 M	687	299	388		14.4
SCM 4 PLUS 115/65 T	659	271	388		13.2
SCM 4 PLUS 115/95 M	829	327	502		16.6
SCM 4 PLUS 115/95 T	801	299	502		15.3
SCM 4 PLUS 115/122 M	973	356	617		18.8
SCM 4 PLUS 115/122 T	944	327	617		17.4
SCM 4 PLUS 115/185 T	1202	356	846		20.8
SCM 4 PLUS 115/245 T	1525	423	1102		25.0
SCM 4 PLUS 150/42 M	652	299	353	2"	14.0
SCM 4 PLUS 150/42 T	624	271	353		12.8
SCM 4 PLUS 150/64 M	790	327	463		16.1
SCM 4 PLUS 150/64 T	762	299	463		14.8
SCM 4 PLUS 150/84 M	929	356	573		18.3
SCM 4 PLUS 150/84 T	900	327	573		16.9
SCM 4 PLUS 150/120 T	1141	356	786		20.1
SCM 4 PLUS 150/170 T	1466	423	1043		24.2
SCM 4 PLUS 150/200 T	1816	590	1226		33.1
SCM 4 PLUS 150/300 T	2407	704	1703		42.3
SCM 4 PLUS 250/53 M	951	356	595		18.0
SCM 4 PLUS 250/53 T	922	327	595		15.6
SCM 4 PLUS 250/78 T	1186	356	830		18.0
SCM 4 PLUS 250/100 T	1550	514	1036		23.9
SCM 4 PLUS 250/127 T	1833	590	1243		29.6
SCM 4 PLUS 250/185 T	2462	704	1758		42.6
SCM 4 HF 400/30 M	914	384	530	2"	21.5
SCM 4 HF 400/30 T	857	327	530		19.0
SCM 4 HF 400/50	1036	356	680		21.5
SCM 4 HF 400/80	1664	584	1080		33.0
SCM 4 HF 400/100	2258	698	1560		39.4



SCM 4 PLUS CARTRIDGE
SHOWN WITH MOTOR

WELL AND BOREHOLE PUMPS

SCM 4 PLUS MULTISTAGE BOREHOLE CARTRIDGES

4" MULTISTAGE CENTRIFUGAL BOREHOLE CARTRIDGES

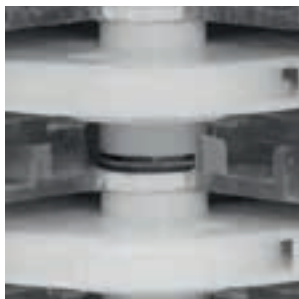
The SCM 4 PLUS submersible cartridges consist of a multistage pumping unit. Especially suitable for pumping from deep 4" (100mm) Ø wells.

DESIGN FEATURES

Delivery connection, suction flange, pump casing,
non return valve in AISI 304 stainless steel
Shaft in AISI 303 stainless steel
Acetal resin impellers
Polycarbonate diffusers with ceramic insert at the point of wear
Polycarbonate diffuser caps with stainless steel insert
Thrust ring inserted in every stage



Motor bracket and suction point in microcast AISI 304 stainless steel rigidly welded to the outer stainless steel liner. Stainless steel suction grid.



Floating impeller with suction point shim made of stainless steel, moulded on to the diffuser cover. Carbon thrust bearing inserted between the hub of the impeller and the ceramic running surface.



Shaft guide bearing made with a self-lubricating closed bush in molybdenum bisulphide polyamide and stainless steel shaft with ceramic insert at the point of wear.



Delivery connection point in microcast AISI 304 stainless steel with an internal tapered double profile with a stainless steel non return valve and a double slot for safety cable.

TYPES OF LIQUID

Clean water non aggressive, non explosive and free of solids

Maximum liquid temperature 30°C

APPLICATIONS INCLUDE

Pumping from drilled wells

Automatic systems for garden irrigation

Surface irrigation for agricultural use

Pumping and supply of stored deposits or of booster autoclaves for civil and industrial systems



SCM 4 PLUS CARTRIDGE

WELL AND BOREHOLE PUMPS

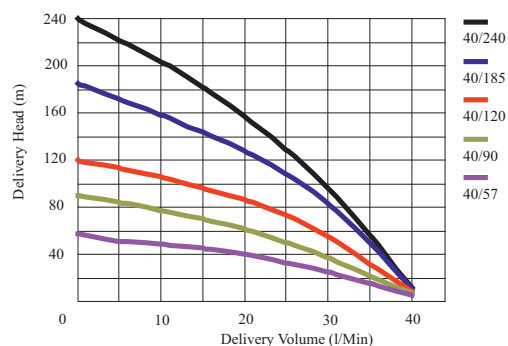
SCM 4 PLUS BOREHOLE CARTRIDGES

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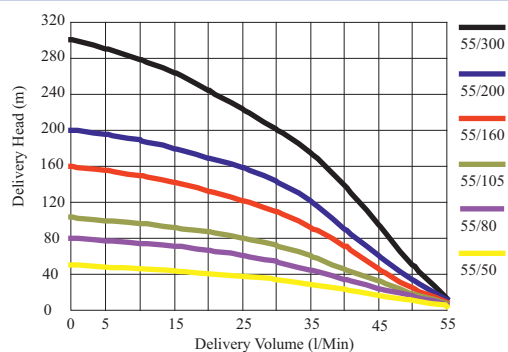
Select required cartridge, note the kw required then choose a motor, 230v or 415v from page 159.
If you require capacitor/overload protection please see pages 48 & 159.

Standard nema mounting, rotation check required if not using our motors.

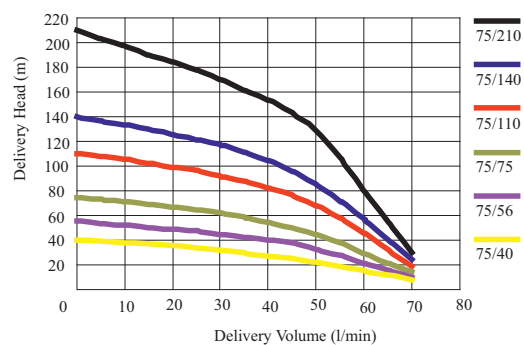
MODEL	kW REQUIRED	OUTLET	LM/HM	CODE	PRICE
4 Plus 40-57	0.37	1 1/4"	40/57	105-0010	
4 Plus 40-90	0.55	1 1/4"	40/90	105-0020	
4 Plus 40-120	0.75	1 1/4"	40/120	105-0030	
4 Plus 40-185	1.1	1 1/4"	40/185	105-0040	
4 Plus 40-240	1.5	1 1/4"	40/240	105-0050	



MODEL	kW REQUIRED	OUTLET	LM/HM	CODE	PRICE
4 Plus 55-50	0.37	1 1/4"	55/50	105-0060	
4 Plus 55-80	0.55	1 1/4"	55/80	105-0070	
4 Plus 55-105	0.75	1 1/4"	55/105	105-0080	
4 Plus 55-160	1.1	1 1/4"	55/160	105-0090	
4 Plus 55-200	1.5	1 1/4"	55/200	105-0100	
4 Plus 55-300	2.2	1 1/4"	55/300	105-0110	



MODEL	kW REQUIRED	OUTLET	LM/HM	CODE	PRICE
4 Plus 75-40	0.37	1 1/4"	75/40	105-0120	
4 Plus 75-56	0.55	1 1/4"	75/56	105-0130	
4 Plus 75-75	0.75	1 1/4"	75/75	105-0140	
4 Plus 75-110	1.1	1 1/4"	75/110	105-0150	
4 Plus 75-140	1.5	1 1/4"	75/140	105-0160	
4 Plus 75-210	2.2	1 1/4"	75/210	105-0170	



WELL AND BOREHOLE PUMPS

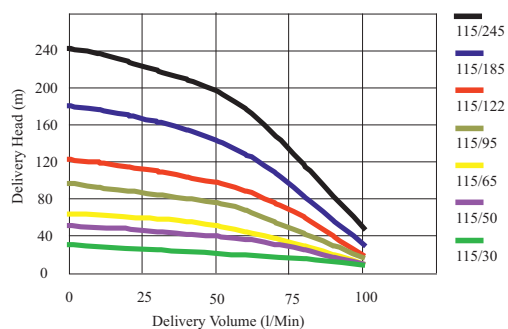
SCM 4 PLUS BOREHOLE CARTRIDGES

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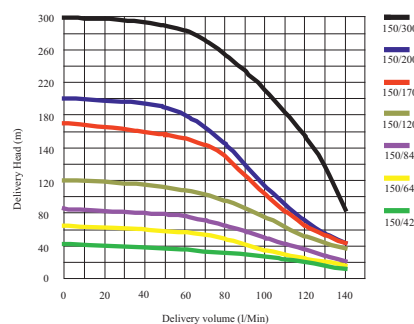
Select required cartridge, note the kw required then choose a motor, 230v or 415v from page 159.
If you require capacitor/overload protection please see pages 48 & 159.

Standard nema mounting, rotation check required if not using our motors.

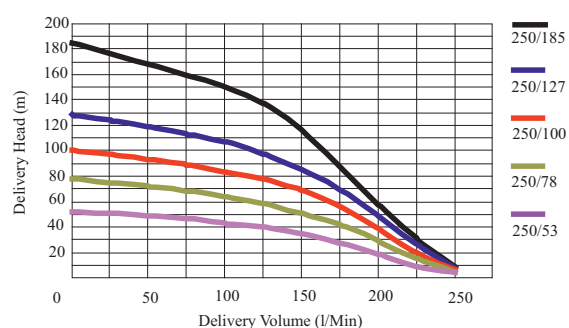
MODEL	kW REQUIRED	OUTLET	LM/HM	CODE	PRICE
4 Plus 115-30	0.37	1 1/4"	115-30	105-0180	
4 Plus 115-50	0.55	1 1/4"	115-50	105-0190	
4 Plus 115-65	0.75	1 1/4"	115-65	105-0200	
4 Plus 115-95	1.1	1 1/4"	115-95	105-0210	
4 Plus 115-122	1.5	1 1/4"	115-122	105-0220	
4 Plus 115-185	2.2	1 1/4"	115-185	105-0230	
4 Plus 115-245	3.0	1 1/4"	115-245	105-0240	



MODEL	kW REQUIRED	OUTLET	LM/HM	CODE	PRICE
4 Plus 150-42	0.75	2"	150-42	105-0250	
4 Plus 150-64	1.1	2"	150-64	105-0260	
4 Plus 150-84	1.5	2"	150-84	105-0270	
4 Plus 150-120	2.2	2"	150-120	105-0280	
4 Plus 150-170	3	2"	150-170	105-0290	
4 Plus 150-200	4	2"	150-200	105-0300	
4 Plus 150-300	5.5	2"	150-300	105-0310	



MODEL	kW REQUIRED	OUTLET	LM/HM	CODE	PRICE
4 Plus 250-53	1.5	2"	250/53	105-0320	
4 Plus 250-78	2.2	2"	250/78	105-0330	
4 Plus 250-100	3	2"	250/100	105-0340	
4 Plus 250-127	4	2"	250/127	105-0350	
4 Plus 250-185	5.5	2"	250/185	105-0360	



WELL AND BOREHOLE PUMPS

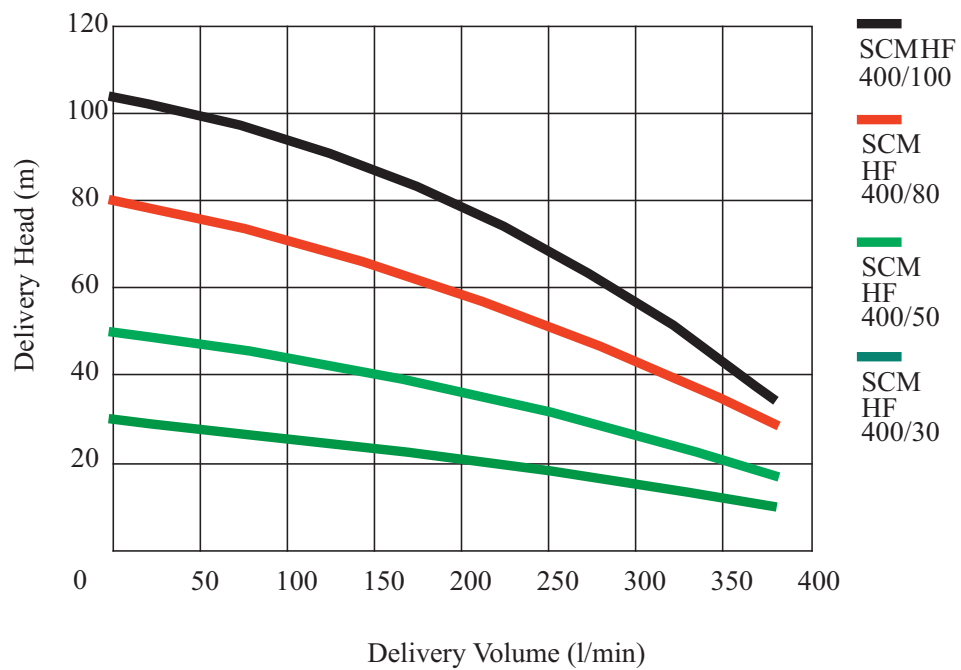
SCM 4 PLUS BOREHOLE CARTRIDGES

E

Select required cartridge, note the kw required then choose a motor, 230v or 415v from page 159.
If you require capacitor/overload protection please see pages 48 & 159.

Standard nema mounting, rotation check required if not using our motors.

MODEL	kW REQUIRED	OUTLET	LM/HM	CODE	PRICE
SCM 4 HF 400-30	1.5	2"	400/30	105-7980	
SCM 4 HF 400-50	2.2	2"	400/50	105-7990	
SCM 4 HF 400-80	4.0	2"	400/80	105-8000	
SCM 4 HF 400-100	5.5	2"	400/100	105-8010	

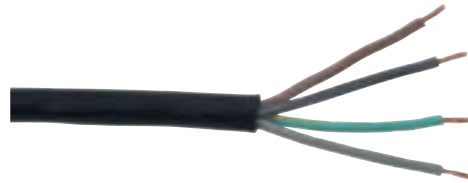


WELL AND BOREHOLE PUMPS

ACCESSORIES



PRESSURE SWITCHES
See Page 118



EXTENSION CABLE
See Page 167



BALL & GATE VALVES
See Page 144



VESSELS
See Page 119



CABLE JOINING KITS
See Page 167



CAPACITOR / OVERLOAD BOXES
See Page 159



HOSE
See Pages 75 – 79



HOSETAILS PLASTIC & BRASS
See Page 144 & 145

WELL AND BOREHOLE PUMPS

PIPE RESISTANCE CHART GUIDE

FLOW LT/MIN	PIPE SIZE											
	½"	¾"	1"	1¼"	1½"	2"	2½"	3"	3½"	4"	5"	6"
30	70	16.5	5.3	1.4	0.7	0.2						
40		28	9	2.3	1.2	0.3						
50		42	13	3.5	1.8	0.5	0.15					
60		58	18	5	3	0.7	0.2					
70		76	24	6.5	3	0.9	0.2	0.1				
80			30	8	4	1.2	0.3	0.16				
90			38	9	5	1.5	0.45	0.23				
100			46	11	6	2	0.5	0.2	0.12			
125			70	17	9	3	0.8	0.3	0.18	0.1		
150				25	12	4	1.2	0.5	0.2	0.14		
175				33	16	6	1.5	0.6	0.33	0.18		
200				42	21	7	2	1	0.4	0.2	0.08	
250				64	32	10	2.8	1.2	0.6	0.3	0.12	
300					45	14	4	2	1	0.45	0.17	
400					78	24	6.8	3	1.5	0.8	0.2	0.12
500						36	11	5	3	1.5	0.5	0.17

BOLD NUMBERS INDICATE EXTRA HEAD CREATED BY PIPE RESISTANCE IN METRES PER 100m RUN

PIPE RESISTANCE CHART EXAMPLES:

300m of 1 1/2" pipe with 70 l/m flow ie: at 70 l/m 1 1/2" pipe requires 3m extra head for each 100m.
Therefore 3 x 3m = 9m extra static head.

500m of 2" pipe with 200l/m ie: @ 200 l/m 2" pipe = 7m head.
Therefore 7 x 5 = 35m extra static head.

CAPACITORS 440v MOTOR RUN

A

PIN TYPE	CODE	PRICE
2uf	072-070	
4uf	072-075	
6uf	—	
8uf	—	
10uf	072-092	
12uf	072-096	
14uf	072-097	
16uf	072-102	
20uf	072-105	
25uf	072-112	
30uf	072-115	
35uf	072-118	
40uf	072-120	
50uf	072-125	
60uf	072-130	
70uf	072-135	
80uf	072-140	

LEAD TYPE	CODE	PRICE
2uf	—	
4uf	—	
6uf	072-080	
8uf	072-085	
10uf	072-090	
12uf	072-095	
14uf	—	
16uf	072-100	
20uf	072-106	
25uf	072-110	
30uf	072-116	
35uf	072-117	
40uf	072-122	
50uf	—	
60uf	—	
70uf	—	
80uf	—	



WELL AND BOREHOLE PUMPS

CABLE RECOMMENDATION SIZE FOR PUMPS – CABLE SIZE 4 CORE IN mm MAXIMUM LENGTH OF CABLE IN METRES

MOTOR (kw)	VOLT	1.5mm	2.5mm	4mm	6mm	10mm	16mm
SINGLE PHASE MOTORS							
0.37	230	80	130	230	350	580	1000
0.55	230	55	90	140	200	350	700
0.75	230	40	65	105	160	300	500
1.1	230	30	50	75	115	190	400
1.5	230	25	35	60	90	145	230
2.2	230	–	30	50	70	120	185
3 PHASE MOTORS							
0.37	415	400	500	600	850	1000	1300
0.55	415	315	430	600	700	900	1200
0.75	415	240	350	500	650	750	1000
1.1	415	180	285	350	450	600	900
1.5	415	135	225	360	470	600	900
2.2	415	100	165	255	390	450	700
3	415	65	110	180	255	420	560
4	415	50	85	135	195	330	500
5.5	415	40	70	110	165	270	390
7.5	415	30	55	90	130	220	495

CABLE RESISTANCE EXAMPLES Max volt drop allowed is 2.5% = 6v @ 230v

1.1kw motor single phase on 150m of cable,
ie: on 1.1kw the maximum you can run is 190m, if you use 10mm.

1.1 kw motor three phase on 150m of cable,
ie: 1.1kw can go up to 180m on 1.5mm cable. Therefore on 10mm it can run up to 600m.

CABLES H07RNF & JOINTS

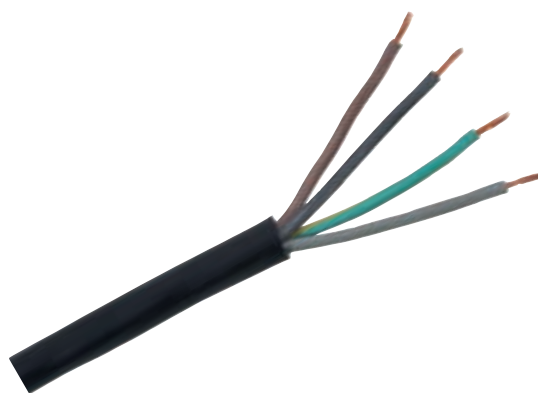
A

ITEM - 4 CORE CABLE	CODE	PRICE	ITEM - 3 CORE CABLE	CODE	PRICE
CABLE					
1.5 x 4C CABLE	023-510		1.5 x 3C CABLE	023-610	
2.5 x 4C CABLE	023-512		2.5 x 3C CABLE	023-612	
4.0 x 4C CABLE	023-514		4.0 x 3C CABLE	023-614	
6.0 x 4C CABLE	023-516		6.0 x 3C CABLE	023-616	
10.0 x 4C CABLE	023-518		10.0 x 3C CABLE	023-620	

JOINT KIT EPOXY 2 PART

0.5-4mm	023-520	6mm +	023-522
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Cut cable cannot be returned for credit unless sent incorrectly.



0.5 – 4mm CABLE JOINING KIT

AD BLUE PUMPS

AD BLUE PUMPS 12/24v

C

MODEL	INLET/ OUTLET	KG	LM/HM	AMPS	CODE	PRICE
AB1 P12/24v	1"	7	30/13	16A (12v) 23A (24v)	050-520	
AB1 P12/24v c/w Manual Nozzle	1"	14	30/13	16A (12v) 23A (24v)	050-522	
AB1 P12/24v c/w Auto Nozzle	1"	14	30/13	16A (12v) 23A (24v)	050-524	
AB1 P12/24v c/w Meter & Manual Nozzle	1"	16	30/13	16A (12v) 23A (24v)	050-526	
AB1 P12/24v c/w Meter & Auto Nozzle	1"	16	30/13	16A (12v) 23A (24v)	050-528	

AB1 P12/24v, suitable for pumping and the transfer of AD Blue. Self priming rotary vane pump with a built in by pass within the pump body. Maximum suction lift three metres. Metal carrying case with handle, on/off switch, inline fuse and one metre of battery cable with clips. Kit versions come with one metre of suction hose complete with CDS coupler, suitable for Schutz type tanks. Pumps are 1" inlet and outlet but come with reducing bushes to accept 3/4" hose that are supplied in the kit versions. Five metres of discharge hose. NOT for pumping petrol, water and products with a low flash point. These models have a running time of approx 20 mins in every hour at 12v and 10 mins at 24v.



AB 1224 cw Manual Nozzle Kit



AB 1224 cw Auto Nozzle Kit



AB 1224 cw Meter & Manual Nozzle Kit



AB1 1224



AB 1224 cw Meter & Auto Nozzle Kit

ACCESSORIES

C

MODEL	FITTING/SIZE	CODE	PRICE
AD Blue Standard Plastic Trigger Gun (Gravity Feed)	3/4"	050-550	
AD Blue Stainless Steel Auto Trigger Gun (Pumped)	3/4"	050-552	
AD Blue Suitable Hose Per Metre	3/4"	050-556	
CDS Coupling with 3/4" Fitting	3/4"	050-558	



Manual Nozzle AB1-P



Auto Nozzle AB1-P



AB1cds Coupler

AD BLUE PUMPS

AD BLUE PUMPS 230v

C

MODEL	INLET/ OUTLET	KG	LM/HM	AMPS	CODE	PRICE
AB1 P230v	1"	6	40/13	2A	050-530	
AB1 P230v c/w Manual Nozzle	1"	12	30/13	2A	050-532	
AB1 P230v c/w Auto Nozzle	1"	12	30/13	2A	050-534	
AB1 P230v c/w Meter & Manual Nozzle	1"	14.5	30/13	2A	050-536	
AB1 P230v c/w Meter & Auto Nozzle	1"	14.5	30/13	2A	050-538	

AB1 P230v, suitable for pumping and the transfer of AD Blue. Self priming rotary vane pump with a built in by pass within the pump body. Maximum suction lift three metres. Kit versions come with one metre of suction hose complete with CDS coupler, suitable for Schutz type tanks. Pumps are 1" inlet and outlet but come with reducing bushes to accept 3/4" hose that are supplied in the kit versions. Five metres of discharge hose. NOT for pumping petrol, water and products with a low flash point.



AB 230v cw Manual Nozzle Kit



AB 230v cw Auto Nozzle Kit



AB 230v cw Meter & Manual Nozzle Kit



AB1 230v



AB 230v cw Meter & Auto Nozzle Kit

ACCESSORIES

C

MODEL	FITTING/SIZE	CODE	PRICE
AD Blue Standard Plastic Trigger Gun (Gravity Feed)	3/4"	050-550	
AD Blue Stainless Steel Auto Trigger Gun (Pumped)	3/4"	050-552	
AD Blue Suitable Hose Per Metre	3/4"	050-556	
CDS Coupling with 3/4" Fitting	3/4"	050-558	



Manual Nozzle AB1-P



Auto Nozzle AB1-P



AB1cds Coupler

FUEL OIL PUMPS

SELF PRIMING TRANSFER PUMPS

D

MODEL	INLET/ OUTLET	KG	H x W x L	LM/HM	WATT	CODE	PRICE
PGA 40-30 230v	3/4"	6.2	141 x 120 x 255	40/30	550	050-310	
PGA 40-30 415v	3/4"	6.2	141 x 120 x 255	40/30	550	050-315	
PGA 60-40 230v	1"	8	148 x 120 x 260	60/40	900	050-320	
PGA 60-40 415v	1"	8	148 x 120 x 260	60/40	900	050-325	

PGA self priming liquid ring series designed for diesel transfer. Cast iron pump body and motor bracket, brass impeller, stainless steel shaft and carbon ceramic seal. Maximum recommended suction height 3 metres with suction valve.

PGA



DELTA

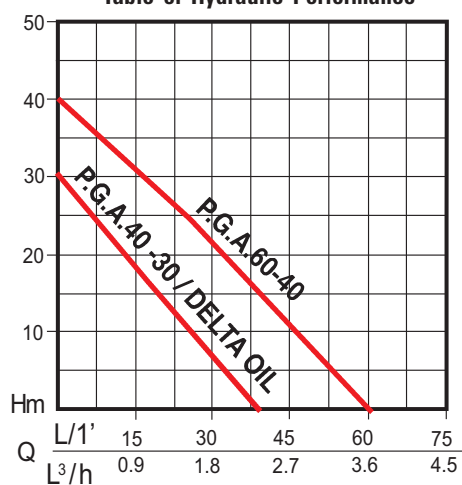
C/W CARRYING HANDLE, SWITCH & LEAD

D

MODEL	INLET/ OUTLET	KG	H x W x L	LM/HM	WATT	CODE	PRICE
DELTA 230v	3/4"	7	141 x 120 x 255	40/30	0.55	050-330	
DELTA 110v	3/4"	7	141 x 120 x 255	40/30	0.55	050-332	

Delta priming liquid ring series designed for diesel transfer. Complete with carrying handle, switch and 1.5m of cable. Cast iron pump body and motor bracket, brass impeller, stainless steel shaft and carbon ceramic seal. Maximum recommended suction height 3 metres with suction valve.

Table of Hydraulic Performance



DELTA



All models listed on this page are NOT for pumping petrol, chemicals, water and products with a low flash point.

DIESEL ENGINE DRIVEN DIESEL TRANSFER PUMPS AVAILABLE – SEE PAGE 69

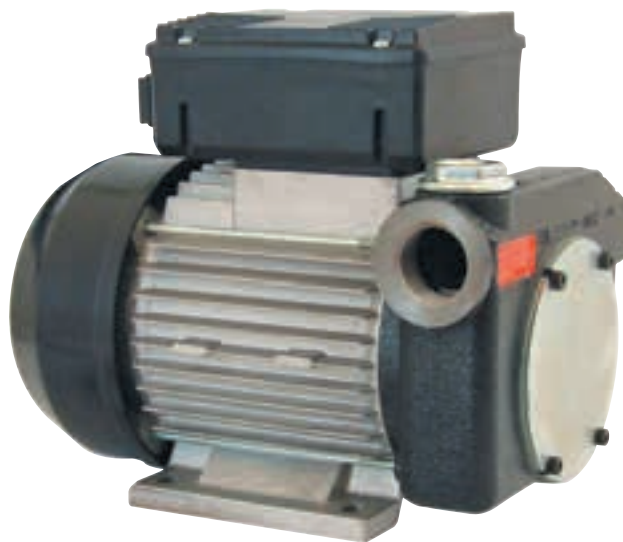
FUEL OIL PUMPS

SELF PRIMING TRANSFER PUMPS

D

MODEL	INLET/ OUTLET	KG	H x W x L	LM/HM	WATT	CODE	PRICE
HE-60 230v	1"	8	250 x 200 x 300	60/20	370	050-358	
HE-100 230v	1"	15.4	250 x 200 x 300	100/25	750	050-360	

HE self priming rotary vane pump. By pass valve and stainless filter incorporated into the cast iron pump casing.



HE100

DIESEL DISPENSING KIT

D

MODEL	INLET/ OUTLET	KG	L/M	WATT/AMPS	CODE	PRICE
Light Pump 60 230v	1"	11	60	370/1.5	050-363	
Light Pump 100 230v	1"	20	100	750/3.7	050-365	

Light pump 60 & 100 self priming vane pump. High flow diesel transfer pump complete with 1 metre of power cable, trigger gun and 4 metres of hose to go between pump outlet and gun. No suction hose is supplied with this model.

Light Pump 60/100



All models listed on this page are NOT for pumping petrol, chemicals, water and products with a low flash point.

DIESEL ENGINE DRIVEN DIESEL TRANSFER PUMPS AVAILABLE – SEE PAGE 69

FUEL OIL PUMPS

VISION CABINET PUMP 230V								D
MODEL	KG	KG WITH PEDESTAL	H x W x L	H x W x L WITH PEDESTAL	L/M	WATTS	CODE	PRICE
VISION 60	22	36	435 x 470 x 410	1335 x 470 x 410	60	370	050-590	
VISION 100	28	42	435 x 470 x 410	1335 x 470 x 410	100	750	050-594	
PEDESTAL	14		900 x 390 x 290				050-596	

Vision 60/100 are vane type pumps complete with 3 digit fuel counter, On/Off switch and built in by pass valve. Complete with 4 metres of discharge hose (3/4" Vision 60, 1" Vision 100) and automatic trigger gun. No suction hose or filter is supplied. For suction hose and accessories see page 179 Vision pumps are designed for diesel transfer only and NOT for pumping petrol, water and chemicals.



VISION 60



VISION 60P



VISION 100



VISION 100P

FUEL OIL PUMPS

SELF PRIMING TRANSFER PUMPS

D

MODEL	INLET/ OUTLET	KG	H x W x L	LM/HM	WATT/AMPS	CODE	PRICE
KPT 12-40 12v	3/4"	3.6	140 x 130 x 200	42/12	130/20	050-335	
KPT 24-40 24v	3/4"	3.6	140 x 130 x 200	40/12	140/15	050-340	

KPT self priming rotary vane pump with a built in by pass within the pump body. Maximum suction lift three metres. Plastic carrying case with handle, on/off switch, fuse, suction filter and one metre of battery cable with clips.



KPT

DIESEL DISPENSING KITS

D

MODEL	KG	LM/HM	WATT/AMPS	CODE	PRICE
BATTERY KIT 12v	7	40/12	130/20	7043	

Battery kit self priming vane pump with a built in by pass within the pump body. Maximum suction lift three metres. Plastic carrying case with handle. Kit includes one metre of battery cable and clips, on/off switch, fuse, trigger gun, two metres of suction hose, three metres of delivery hose, all necessary hose tails, clips and suction filter.
For extra hose and accessories see page 179.

Battery Kit



All models listed on this page are NOT for pumping petrol, chemicals, water and products with a low flash point. All low voltage pumps have a running time of approx twenty minutes in every hour.

DIESEL ENGINE DRIVEN DIESEL TRANSFER PUMPS AVAILABLE – SEE PAGE 69

FUEL OIL PUMPS

DIESEL DISPENSING KITS

D

MODEL	KG	L/M	WATT/AMPS	CODE	PRICE
HI-FI 60 230v	17.5	60	370/1.5	050-298	

HI-FI 60 self priming vane pump fitted in a panel which can be free standing or wall hung. Integral nozzle holder included. Complete with flow meter, trigger gun, 1" brass male hose tail for the discharge connection, 4 metres of hose to go between pump outlet and trigger gun.

High flow diesel transfer pump complete with 1 metre of power cable, trigger gun and 4 metres of hose to go between pump outlet and gun.

No suction hose is supplied with this model.



HI-FI 60

DIESEL DISPENSING KITS

D

MODEL	KG	LM/HM	WATT/AMPS	CODE	PRICE
GTP 1224/45-60 Dual Voltage Model					
12v mode	10	45	192/16	050-294	
24v mode		60	528/22		

GTP 1224/45-60 self priming vane pump. Dual voltage. 12 volt and 24 volt. Complete with flow meter, trigger gun, discharge connection, foot valve and four metres of hose which can be cut to desired length for suction and in between the pump outlet and trigger gun.

For extra hose and accessories see page 179.



GTP

All models listed on this page are NOT for pumping petrol, chemicals, water and products with a low flash point.

DIESEL ENGINE DRIVEN DIESEL TRANSFER PUMPS AVAILABLE – SEE PAGE 69

FUEL OIL PUMPS

DRUM PUMPS

D

MODEL	KG	LM/HM	WATT/AMPS	CODE	PRICE
PTP 12-40/SF 12v	10	40/12	270/18	050-290	
PTP 24-40/SF 24v	10	40/12	270/10	050-292	
FD-12 12v	20	40/6	80/14	050-215	
FD-24 12v	20	50/7	90/7	050-220	
FA-100 230v	20	50/7	100/1	050-225	
FA-100 110v	20	50/7	100/2	050-227	

PTP diesel oil transfer kits includes low voltage self priming electric pump, on/off switch, battery clips, aluminium trigger gun, 4 metres rubber hose, metal telescopic suction tube, suction filter, hose connections and 2" bung connection. Designed to be assembled and directly fitted to drums.

FD diesel oil transfer kits include aluminium trigger gun, 2 metres rubber hose from pump to trigger, metal suction tube, suction filter, 2" bung connection, 5 metres of power cable. Comes pre-assembled.

FA diesel oil transfer kits include aluminium trigger gun, 2 metres rubber hose from pump to trigger, metal suction tube, suction filter, 2" bung connection, 5 metres of power cable. Comes pre-assembled.



All models listed on this page are NOT for pumping petrol, chemicals, water and products with a low flash point.

DIESEL ENGINE DRIVEN DIESEL TRANSFER PUMPS AVAILABLE – SEE PAGE 69

FUEL OIL PUMPS

FUEL OIL "RED" COMPLETE WITH FLAME PROOF MOTOR							B
MODEL	PORT	KG	H x W x L mm	LM/HM	kW	CODE	
RED EAZ3★ 230v	1½"	15.5	300 x 255 x 495	325/15	0.75	070-EAZ3	
RED EA9D★ 230v	2"	27	300 x 280 x 520	500/15	1.5	070-EA9D	
RED EA9E★ 230v	3"	50	300 x 280 x 550	700/15	2.2	070-EA9E	
RED 2140★ 415v	1½"	40	300 x 255 x 495	325/15	0.75	070-2140	
RED 2141★ 415v	2"	27	300 x 280 x 520	500/15	1.5	070-2141	
RED 2138★ 415v	3"	30	300 x 280 x 550	700/15	2.2	070-2138	
RED 2139★ 415v	3"	59	400 x 335 x 685	900/22	4	070-2139	

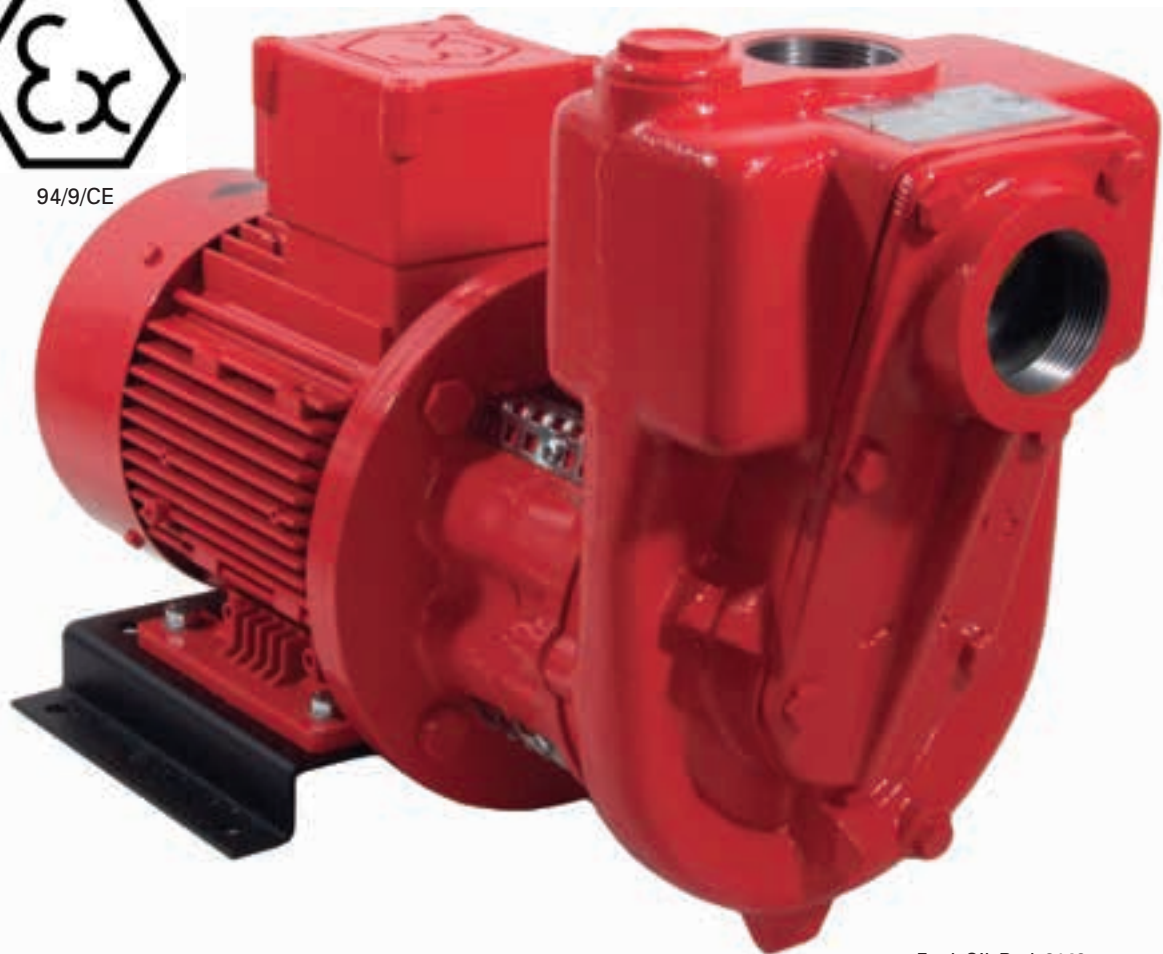
Self priming electric pump with flame proof motor for the transfer of fuels. Open impeller suitable for pumping diesel, gas oil, paraffin. NOT FOR PUMPING PETROL. A non-return valve is fitted on the inlet of the pump body to avoid the loss of liquid after the pump has stopped, making it easier to prime when the pump starts again. Maximum suction depth of 6 metres and a maximum liquid temperature of 40°C. Pump casing, inlet flange and impeller are made from cast iron. Stainless steel shaft. Viton mechanical seal and Viton check valve.

Manufactured in accordance with standards ATEX 94/9/CE. (II 2G Ex d IIC T4)

★ *Available upon request*



94/9/CE



Fuel Oil Red 2140

All models listed on this page are NOT for pumping petrol, chemicals, water and products with a low flash point.

DIESEL ENGINE DRIVEN DIESEL TRANSFER PUMPS AVAILABLE – SEE PAGE 69

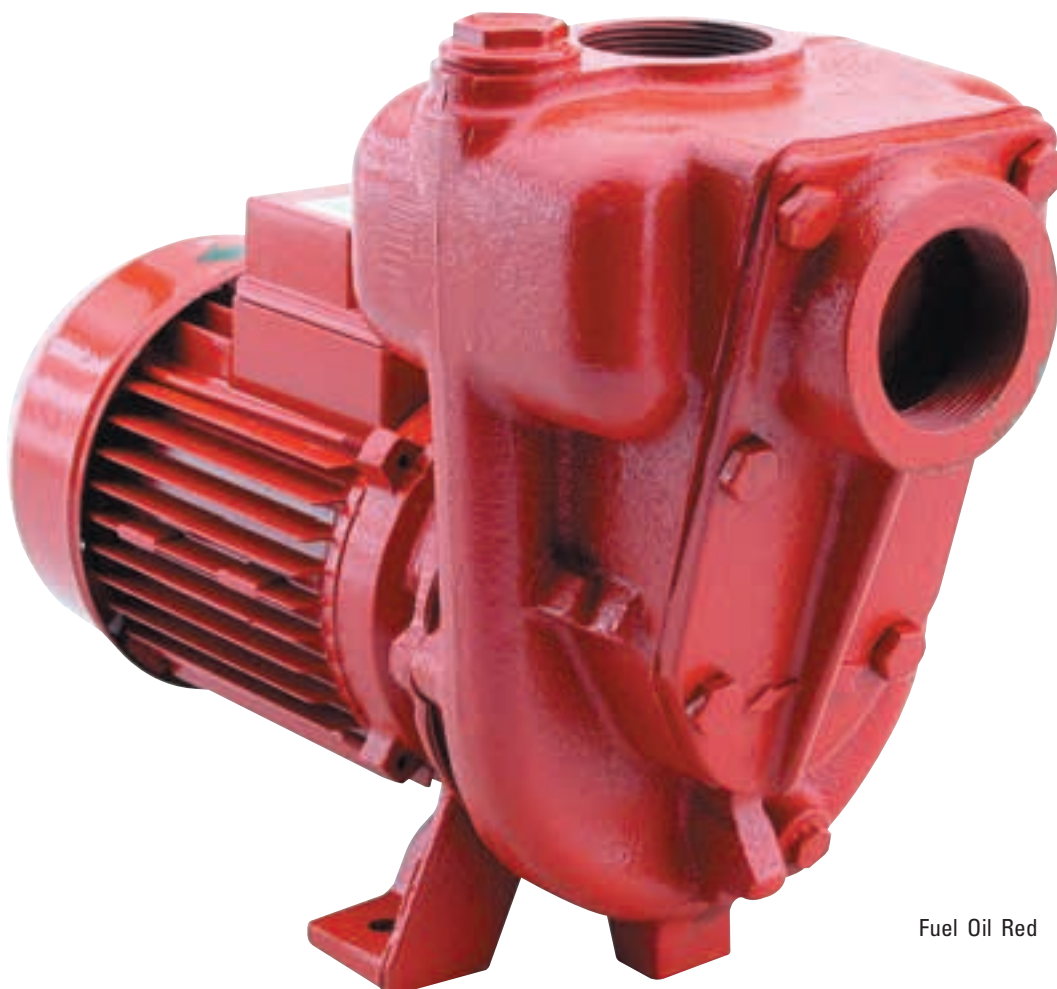
FUEL OIL PUMPS

FUEL OIL "RED" HIGH VOLUME DIESEL FUEL OIL TRANSFER PUMP

B

MODEL	INLET/ OUTLET	KG	H x W x L	LM/HM	kW	CODE	PRICE
RED EA2L 230v	1"	15	285 x 216 x 375	120/12	0.55	070-168	
RED 3516 230v	1½"	15	300 x 180 x 375	325/15	0.75	070-3516	
RED EA2V 230v	2"	21	300 x 185 x 410	500/15	1.5	070-166	
RED EB49 110v	2"	25	300 x 185 x 410	390/16	2.2	070-159	
RED EA9C 230v	3"	30	300 x 185 x 445	700/15	2.2	070-EA9C	
RED EA2M 415v	1"	15	285 x 216 x 375	120/12	0.55	070-169	
RED 3501 415v	1½"	20	300 x 180 x 375	325/15	0.75	070-163	
RED EA1S 415v	2"	21	300 x 185 x 410	500/15	1.5	070-167	
RED EAM7 415v	3"	30	300 x 185 x 445	700/15	2.2	070-165	
RED EANS 415v	3"	74	400 x 280 x 635	900/22	4.0	070-EANS	

Self priming electric pump with open impeller to transfer fuels. Suitable for pumping diesel, gas oil, paraffin. NOT FOR PUMPING PETROL. A non-return valve is fitted on the inlet of the pump body to avoid the loss of liquid after the pump has stopped, making it easier to prime when the pump starts again. Maximum suction depth of 6 metres and a maximum liquid temperature of 40°C. Pump casing, inlet flange and impeller are made from cast iron. Stainless steel shaft. Viton mechanical seal and Viton check valve.



Fuel Oil Red

All models listed on this page are NOT for pumping petrol, chemicals, water and products with a low flash point.

DIESEL ENGINE DRIVEN DIESEL TRANSFER PUMPS AVAILABLE – SEE PAGE 69

FUEL OIL PUMPS

KOSHIN GEAR PUMPS FOR HEAVY LIQUIDS – BARE SHAFT

C

MODEL	KG	PULLEY	LM	BAR	kW	CODE	PRICE
GC13	4.2	125 x 1A	20	1-3	0.2	050-410	
GC20	5.8	150 x 1A	37	1-3	0.4	050-414	
GC25	10.2	200 x 1A	55	1-3	0.75	050-416	

KOSHIN GEAR PUMPS FOR LIGHT LIQUIDS – BARE SHAFT

C

MODEL	KG	PULLEY	LM	BAR	kW	CODE	PRICE
GL13-5	8.2	BARE	18	1-5	0.4	050-440	
GL20-5	8.2	BARE	31	1-5	0.75	050-444	
GL25-5	8.2	BARE	48	1-5	1.5	050-448	

ECOIL – ENGINE OIL REMOVAL PUMP & KIT SUCTION PUMP WITH OIL STORAGE VESSEL & FOUR ASSORTED PROBES TO SUIT DIPSTICK TUBES

D

MODEL	KG	H x W x L	WATT/AMPS	CODE	PRICE
ECOIL 12v	22	900 x 300 x 300	370/25	050-264	
ECOIL 24v	22	900 x 300 x 300	370/15	050-266	
ECOIL 230v	22	900 x 300 x 300	370/1.5	050-262	



Koshin GC



Koshin GL



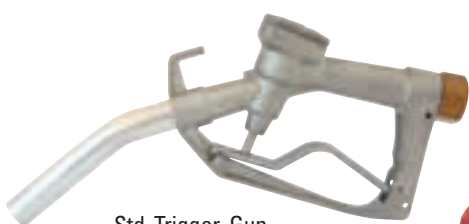
ECOIL

All models listed on this page are NOT for pumping petrol, chemicals, water and products with a low flash point. All low voltage pumps have a running time of approx twenty minutes in every hour.

DIESEL ENGINE DRIVEN DIESEL TRANSFER PUMPS AVAILABLE – SEE PAGE 69

FUEL OIL PUMPS ACCESSORIES

ACCESSORIES				D
MODEL	HOSE	SIZE	CODE	PRICE
Std Trigger Gun (Gravity Feed)	/	1"	050-300	
Auto Trigger Gun HSK-50 (Pumped)	/	1"	050-302	
Fuel Oil Counter	/	1"	050-355	
Fuel Oil Presscontrol 230v only	/	1"	050-304	
Diesel Suction Kit Inc Strainer	4 metres	3/4"	050-352	
Diesel Suction Kit Inc Strainer	4 metres	1"	050-352B	
Diesel Discharge Kit Hose & Gun Auto	4 metres	3/4"	050-350 AUTO	
Diesel Discharge Kit Hose & Gun Man	4 metres	3/4"	050-350 MAN	
Diesel Discharge Kit Hose & Gun Auto	4 metres	1"	050-350B AUTO	
Diesel Discharge Kit Hose & Gun Man	4 metres	1"	050-350B MAN	



Std Trigger Gun



Auto Trigger Gun



Fuel Oil Presscontrol



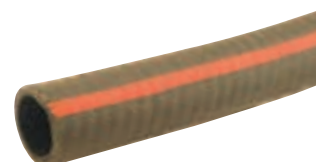
Fuel Oil Counter

FUEL OIL HOSE FUEL OIL SUCTION HOSE PVC BLUE

SIZE	KG P/METRE	CODE	PRICE P/METRE
3/4"	0.42	050-370	
1"	0.55	050-372	
1 1/4"	0.7	050-374	
1 1/2"	0.8	050-376	
2"	1.2	050-378	
3"	2	050-380	

HEAVY DUTY FUEL OIL/PETROLEUM SUCTION/DELIVERY HOSE CURRENTLY NOT AFFECTED BY DIESEL FUEL ADDITIVES 2007

SIZE	KG P/METRE	CODE	PRICE P/METRE
3/4"	0.48	050-382	
1"	0.66	050-384	
1 1/4"	0.89	050-386	
1 1/2"	1	050-388	
2"	1.6	050-390	
3"	2.7	050-392	



HAND PUMPS

HAND PUMPS TRANSFER & DECANTING FOR VARIOUS USES

C

MODEL	KG	OPERATION	LENGTH OF TUBE (mm)	LITRES	CODE	PRICE
S-25	1	Hand Reciprocating	1pt Tube 500mm	0.2/stroke	050-200	
RP-94	6	Hand Rotating	3pt Tube 1000mm	0.3 per rev	050-210	
RP-96	2	Hand Rotating	3pt Tube 1000mm	0.3 per rev	050-212	
RP-98	3	Hand Rotating	3pt Tube 1000mm	0.3 per rev	050-214	
RP-88	6	Hand Rotating	1pt Tube 1000mm	0.9 per rev	050-204	

S-25 suitable for small oil containers. Made from zinc plated steel.

RP-94 – c/w 2" bung adapter. Cast iron body with stainless inlet/outlet tubing. Ideal for heavy oils, machine oils and non-corrosive liquids.

RP-96 – c/w 2" bung adapter. All polypropylene plastic, hand rotary pump. Suitable for pumping most chemicals. Teflon seal.

RP-98 – c/w 1½" and 2" bung adapter. Polypropylene pump body, Teflon seal, stainless steel tubes. Used for diesel oil, corrosive and volatile chemicals, edible liquids (juices, milk, wine, water).

RP-88 – c/w 2" bung adapter. Versatile drum pump offers a varied application for oil from low viscosity fluids such as diesel to heavy crude and machine oil. Not for waste oil containing debris or chemical pumping.



RP-94



RP-96



RP-98

RP-88

SEMI ROTARY HAND PUMPS

C

MODEL	KG	INLET/OUTLET	AVERAGE LITRES PER CYCLE	AVERAGE LITRES PER MIN	CODE	PRICE
Excar - K0	6	½"	0.174	24	050-500	
Excar - K1	7	¾"	0.34	35	050-502	
Excar - K2	9	1"	0.665	50	050-504	
Excar - K3	12	1¼"	0.85	70	050-506	
Excar - K4	13	1½"	1.41	90	050-508	
Excar - K5	16	1½"	1.63	105	050-510	

Semi Rotary hand pump with stuffing packing type seal. Suitable for the transfer of clean water, petrol, diesel fuels, oils and alcohol. Pump casing in cast iron and internal parts in brass. Steel shaft and wooden handle.



EXCAR

PRESSURE TEST PUMPS

D

MODEL	KG	H x W x L	LM/PRESSURE	TANK SIZE	CODE	PRICE
IDRO 70	10	540 x 150 x 650	0.6/70 BAR	16 LITRES	090-091	
IDRO 100	22	830 x 390 x 800	1.0/100 BAR	38 LITRES	090-093	
IDRO 1000*	50	800 x 500 x 950	0.7/1000 BAR	100 LITRES	090-094	
IDRO 70		2 Metre Hose Kit ½"			090-096	
IDRO 100		2 Metre Hose Kit ½"			—	
IDRO 1000		2 Metre Hose Kit ½"			—	

★ Available upon request



IDRO 70

HAND PUMPS

PATAY HAND PUMPS

C

MODEL	KG	OPERATION	LENGTH OF TUBEmm	LITRES	CODE	PRICE
Challenger Nitrile		Hand Reciprocating	500mm	0.25/stroke	050-180	
Challenger Viton		Hand Reciprocating	500mm	0.25/stroke	050-182	
Extension Tube		/	500mm	/	050-184	

The Challenger Drum Pump is made from strong polypropylene and a strong operating rod. Only plastic parts come into contact with the liquid, allowing a range of fluids to be transferred. Each version is supplied with a 2" (59mm) Trisure Drum fitting, which is suitable for most applications. Accessories included are hose outlet and a tap fitting. A 500mm extension tube is available which can be screwed on to the existing tube which then allows it to be suitable for 200 litre barrels.

MODEL	KG	DIAPHRAGM	OPERATION	LM/HM	CODE	PRICE
SD-60	2	Single Nitrile	Hand Reciprocating	60/4.5	050-186	
SD-60 CHEM	2	Single Viton	Hand Reciprocating	60/4.5	050-187	
BE-45	2.6	Single Nitrile	Hand Reciprocating	45/4.5	050-188	
DD-70C	3	Double Nitrile	Hand Reciprocating	70/6	050-190	
DD-100C	3	Double Nitrile	Hand Reciprocating	100/6	050-191	
DD-120C	4.5	Double Nitrile	Hand Reciprocating	120/6	050-192	
DD-100C SITE	4.9	Double Nitrile	Hand Reciprocating	100/6	050-194	
DD-120C SITE	6.4	Double Nitrile	Hand Reciprocating	120/6	050-196	

SD60 – Lightweight design, constructed with strong aluminium handle and can be bench or wall mounted. Can handle solids and can be used for water, oils and diesel.

SD-60 CHEM. Chemical pump, suitable for many applications including nitric acid (20%), sodium hypochlorite and white spirit. For other applications please ask to see the chemical compatibility chart. Splash guard fitted, hastalloy internal parts. 1" BSP male ports.

BE-45 – Barrel emptying hand pump. Single action diaphragm pump designed to fit oil barrels. Comes complete with barrel bung, two-piece riser tube, suitable for 25 or 250 litre barrels.

DD70-120 – High flow double diaphragm. Used in the construction and marine industry. Suction lift of up to 6 metres. Cast aluminium construction.

Nitrile diaphragms fitted as standard but can be supplied with higher Aceto Nitrile diaphragms, specifically for pumping diesel at extra cost. Site models come complete with foot plate.

DD-100C



SD-60



BE-45



DD-120C SITE

SURFACE MOUNTED PUMPS

FLEXIBLE IMPELLER PUMPS

JABSCO & GMP

C

MODEL	INLET/ OUTLET	KG	H x W x L	LM/HM	kW	CODE	PRICE
FLEXA 230v	1/2"	9.5	185 x 180 x 265	25/20	0.37	014-166	
UTILITY 20 230v	3/4"	7.1	171 x 170 x 275	18/15	0.18	014-153	
UTILITY 40 230v	1"	10.5	240 x 210 x 300	30/15	0.25	014-157	
UTILITY 80 230v	1 1/2"	17	234 x 142 x 323	80/16	0.55	014-159	
UTILITY 40 110v	1"	10.5	222 x 182 x 300	30/15	0.25	014-167	
UTILITY 80 110v	1 1/2"	17	234 x 142 x 323	80/16	0.55	014-156	

Flexa and Utility are flexible impeller pumps. Supplied with Nitrile oil resistant rubber as standard. Neoprene impeller versions available for the Utility models only. Flexa and Utility 20 have rapid self-priming up to 2 metres, Utility 40, 3 metres and the Utility 80, 4 metres. Pump body made from bronze, carbon ceramic mechanical seal.



Flexa

STANDARD SPARES FOR UTILITY PUMPS

C

PART	CODE	PRICE	PART	CODE	PRICE
Utility 20 Impeller	014-168		Utility 20 Service Kit	014-174	
Utility 40 Impeller	014-163		Utility 40 Service Kit	014-176	
Utility 80 Impeller	014-165		Utility 80 Service Kit	014-178	
Flexa Impeller	9396				

Service kits for the utility pumps include impeller, mechanical seal and gasket/o ring.



Utility

MONO GRIFTER INDIVIDUAL PUMP UNIT

C

MODEL	VOLTS	kW	INLET/ OUTLET	H x W x L	LM/HM	CODE	PRICE
M12B280	230v	0.75	1 1/2"	300 x 325 x 879	65/30	014-144	
M12B480	415v	0.75	1 1/2"	300 x 325 x 879	65/30	014-146	

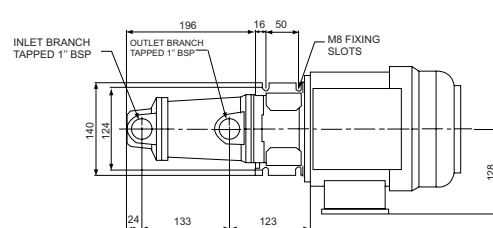
The Grifter has been designed to meet the 'domestic' users requirements for handling raw sewage at remote cottages and service facilities. Consisting of a tri-hammer macerator and Mono CP pump, this product is available as a pump unit only or as a packaged pump system. The use of a single motor drive directly coupled to the pump gives lowest possible design/construction costs.



Grifter

SURFACE MOUNTED PUMPS

B



SURFACE MOUNTED PUMPS

VOLUMETRIC SELF PRIMING ELECTRIC DRIVE GEAR PUMPS WITH BUILT IN BYPASS VALVE

D

MODEL	PORT	KG	H x W x L	LM/HM	kW	CODE	PRICE
SINGLE PHASE							
GEAR 300GM-GE03	1/2"	11	210 x 170 x 390	5/100	0.26	050-462	
GEAR 600GM-GE09	3/4"	14	210 x 170 x 410	10/100	0.37	050-466	
GEAR 1000GM-GE15	3/4"	15	210 x 170 x 450	16/100	0.55	050-470	
GEAR 1500GM-GE21	3/4"	18	210 x 170 x 460	25/100	0.75	050-474	
GEAR 2000GM-GE27	1"	22	210 x 170 x 465	33/100	1.1	050-478	
GEAR 3000GM-GE33	1"	24	210 x 170 x 525	50/100	1.5	050-482	
GEAR 3600GM-GE39	1 1/4"	28	210 x 170 x 525	60/100	1.8	050-486	
THREE PHASE							
GEAR 300GT-GE04	1/2"	11	210 x 170 x 390	5/100	0.26	050-464	
GEAR 600GT-GE10	3/4"	14	210 x 170 x 410	10/100	0.37	050-468	
GEAR 1000GT-GE16	3/4"	15	210 x 170 x 450	16/100	0.55	050-472	
GEAR 1500GT-GE22	3/4"	18	210 x 170 x 460	25/100	0.75	050-476	
GEAR 2000GT-GE28	1"	22	210 x 170 x 465	33/100	1.1	050-480	
GEAR 3000GT-GE34	1"	24	210 x 170 x 525	50/100	1.5	050-484	
GEAR 3600GT-GE40	1 1/4"	28	210 x 170 x 525	60/100	1.8	050-488	

Volumetric self priming gear pumps with built in bypass valve. Performances will vary depending on media being pumped. Declared performances have been obtained pumping liquids with a viscosity of 8° Engler.

Maximum viscosity for the gear pumps is up to 10° Engler. For higher viscosities of more than 10° Engler 6 pole motors are available as special orders.

Maximum self priming depth 3 metres.

Viton mechanical seal. Bypass is adjustable between 0-10 bar.

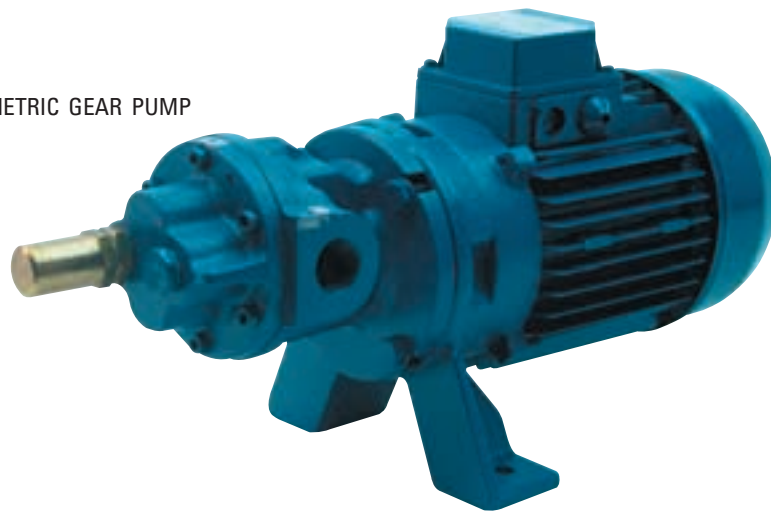
Casing made from cast iron, gears made from C40 steel. 1440 rpm motor.

Suitable for pumping viscous liquids without suspended particles – hydraulic oil, vegetable oil, diesel fuel oil, varnishes and foodstuffs are examples.

Not suitable for liquids that have water within them.

Gear pumps are available in bronze. Bronze pump casing, gears made from AISI 316 stainless steel. For special orders they can be made in all AISI 316 stainless steel upon request.

VOLUMETRIC GEAR PUMP



SELF PRIMING LOW VOLTAGE GEAR PUMPS WITH BUILT IN BYPASS VALVE

C

MODEL	PORTS	KG	H x W x L	LM/HM	kW/AMPS	CODE	PRICE
GM 2524 24 VOLT	1" in/3/4" out	9.4	210 x 140 x 300	20/30	0.2/9	050-250	



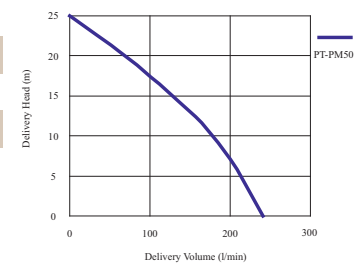
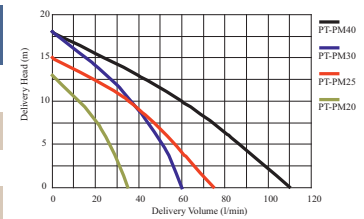
GM 2524

SURFACE MOUNTED PUMPS

SELF PRIMING REVERSING PUMPS

D

MODEL	VOLT	INLET/ OUTLET	KG	H x W x L	LM/HM	kW	CODE	PRICE
PM-20	230v	3/4"	6.5	200 x 215 x 265	25/14	0.37	070-040	
PM-25	230v	1"	11.5	200 x 225 x 295	55/19	0.75	070-042	
PM-25	110v	1"	11.5	200 x 225 x 295	55/19	0.75	070-043	
PM-25-F	110v	1"	13.2	265 x 300 x 365	55/19	0.75	070-043-F	
PM-30	230v	1 1/4"	13.2	180 x 230 x 330	70/18	1.1	070-044	
PM-40	230v	1 1/2"	18.8	180 x 230 x 360	100/18	1.3	070-046	
PM-50	230v	2"	27.6	230 x 240 x 420	200/25	1.5	070-048	
PT-25	415v	1"	10.2	200 x 225 x 295	55/19	0.75	070-060	
PT-30	415v	1 1/4"	13.2	180 x 230 x 330	70/18	1.3	070-062	
PT-40	415v	1 1/2"	18.8	180 x 230 x 360	100/18	1.3	070-064	
PT-50	415v	2"	27.6	230 x 240 x 420	200/25	1.5	070-066	



PM/PT brass self priming pumps.
Reversible so the suction/delivery can be swapped
by means of a reversing switch.

PM20 – stainless steel pump body, brass impeller
and 3/4" BSP threads.

PM25 – stainless steel pump body, brass impeller and
unique connection thread to itself.

PM25 110v – brass pump body, brass impeller and
1" BSP threads.

Models PM/PT30-50, Pump body, impeller, cover and
hose tails made of brass. Stainless steel shaft.
Inlet/outlets are food grade threads not BSP.

Six metres max suction depth. Clean liquids only with no
solids or abrasives. Can be used for pumping juice, vinegar
and diesel oil. Bare shaft models 'P' and bare shaft with
clutch models 'PF' are available upon request.



PM



PM-25-F 110v shown in carry frame



Reversing Switch

Diesel Hoses & Trigger Guns available on page 179.

SURFACE MOUNTED PUMPS

ELECTRIC DIAPHRAGM PUMP MULTI PURPOSE

D

MODEL	KG	H x W x L	LM/HM	kW	CODE	PRICE
PVM 12v	25	370 x 250 x 480	70/5	0.37	050-276	
PVM 24v	25	370 x 250 x 480	70/5	0.37	050-278	
PVM 230v	25	370 x 250 x 480	70/5	0.37	050-270	
PVM 110v	25	370 x 250 x 480	70/5	0.37	050-272	
PVM 415v	25	370 x 250 x 480	70/5	0.37	050-274	

STANDARD SPARES FOR ELECTRIC DIAPHRAGM PUMPS

PART	CODE	PRICE	PART	CODE	PRICE
Main Diaphragm	PVM 0.5-10		Inlet Fitting	PVM 0.5-3	
Upper Diaphragm	PVM 0.5-11		Outlet Fitting	PVM 0.5-7	
Inlet/Outlet Valve	PVM 0.5-4		Inlet/Outlet Clamp	PVM 0.5-8	

PVM electric diaphragm pumps have special advantages of pumping liquids containing particles of solid matter in suspension including sand, mud, stones, saw dust, seeds, sludge, hairs and cotton are just a few examples. Can run dry and prime from dry. As this pump is of the volumetric type, the outlet pipe must not be reduced in size, in addition taps, valves that regulate the flow must not be used on the delivery or suction hose. Supplied as standard with nitrile rubber diaphragm and check valves, upon request they can be supplied as viton at additional cost. 1½" hose inlet/1½" hose outlet.

Must be used with overload protection set up correctly



ACCESSORIES

WATER FILTERS

E

MODEL 5"

MODEL	MATERIAL	MICRON	WASHABLE	APPLICATION	CODE	PRICE
FT-5	PLASTIC			HOLDER 5"	015-012	
CA	CARBON	60	NO	ODOUR & CHEMICALS	015-027	
FA	POLYPROPYLENE	20	NO	GENERAL DIRT	015-037	
NY	NYLON	60	YES	FINE PARTICLES	015-042	



FT - HOLDER



FA - POLY



NY - NYLON

1" Inlet 1" Outlet. Max 105 L/M, Min 60 L/M, Min +5°C Max +50°C Max 8 Bar

MODEL 10"

MODEL	MATERIAL	MICRON	WASHABLE	APPLICATION	CODE	PRICE
FT-10	PLASTIC			HOLDER 10"	015-010	
PL	PHOSPHATE	NONE	NO	DEMINERALISES	015-015	
CA	CARBON	60	NO	ODOUR & CHEMICALS	015-025	
FA	POLYPROPYLENE	20	NO	GENERAL DIRT	015-035	
NY	NYLON	60	YES	FINE PARTICLES	015-040	



CA - CARBON



PL - PHOSPHATE

LOW VOLTAGE PUMPS

SUBMERSIBLE LOW VOLTAGE PUMP 24v

A

MODEL	KG	OUTLET	H x W x L	LM/HM	AMPS	CODE	PRICE
PONDY SK2524	5.5	1"	250 x 150 x 150	80/6	9.8	010-032	
NCC 24	5	1"	320 x 130 x 150	180/6.5	13	022-344	

Low voltage submersible pumps. Suitable for clean and dirty water drainage applications. Pondy c/w 5 metres of power cable. NCC c/w 3 metres of power cable. NOT CONTINUOUSLY RATED. FOR INTERMITTENT USE ONLY. All the low voltage motors have brushes and a duty cycle of approximately twenty minutes in every hour. Panel switch see page 190.



PONDY

LOW VOLTAGE PUMPS 12v & 24v SURFACE MOUNTED PUMPS

D

MODEL	KG	OUTLET	H x W x L	LM/HM	AMPS	CODE	PRICE
PM25 12v	9	1"	140 x 175 x 320	35/10	32	070-082	
PM25 24v	9	1"	140 x 175 x 320	35/10	20	070-080	

PM model is mainly used for clean water boosting.

NOT CONTINUOUSLY RATED. FOR INTERMITTENT USE ONLY.

All the low voltage motors have brushes and a duty cycle of approximately twenty minutes in every hour.



PM



STUART TURNER 12/50

STUART TURNER

STUART TURNER 12/50 RANGE 12 VOLT

C

MODEL	KG	H x W x L	IMPELLER	SEAL	WATTS/AMPS	CODE	PRICE
12/50 12v	3.4	117 x 105 x 229	PLASTIC	Nit/Car/Cer	228/19.0	STU-46164	
12/50 12v	3.4	117 x 105 x 229	BRASS	Nit/Car/Cer	228/19.0	STU-46166	
12/50 12v	3.4	117 x 105 x 229	BRASS	Nit/Car/Sil	228/19.0	STU-46167	

STUART TURNER 12/50 RANGE 24 VOLT

C

MODEL	KG	H x W x L	IMPELLER	SEAL	WATTS/AMPS	CODE	PRICE
12/50 24v	3.4	117 x 105 x 229	PLASTIC	Nit/Car/Cer	196/8.2	STU-46212	
12/50 24v	3.4	117 x 105 x 229	BRASS	Nit/Car/Cer	196/8.2	STU-46168	
12/50 24v	3.4	117 x 105 x 229	BRASS	Nit/Car/Sil	196/8.2	STU-46169	

12/50 Peripheral pumps provide compact and robust 12 or 24v dc motors with a choice of material options making them suitable for a range of applications. Ideal for wash down on vehicles, marine applications etc. Flows from 60 litres per min maximum and a 13 metre head maximum. Maximum suction lift of 4.6 metres. Liquid temperature 4° – 80°. 3/4" Female BSP Inlet & Outlet.

All data sheets, flow curves can be found at www.stuart-turner.co.uk

LOW VOLTAGE PUMPS

MASCONTROL LOW VOLTAGE PRESSCONTROL

E

MODEL	KG	SIZE	H x W x L	MAX KW/AMP	CODE	PRICE
MASCONTROL 12v	1.4	1"	165 x 210 x 250	0.18/20	060-432	
MASCONTROL 24v	1.4	1"	165 x 210 x 250	0.37/20	060-434	

Available in 12v and 24v, the Mascontrol will turn on the power to run the pump the moment that the outlet is opened.

The Mascontrol will turn off when the outlet is shut and in the case of no water supply to protect the pump from dry running. Minimum pump pressure of 2.5 bar required.

A solenoid must be installed if the pump being used has a high wattage/current rating.



MASCONTROL

SUBMERSIBLE LOW VOLTAGE BILGE PUMPS C/W 1 METRE OF POWER CABLE

C

MODEL	KG	OUTLET	H x W x L	LM/HM	AMPS	CODE	PRICE
0231 12v	0.5	3/4"	120 x 80 x 105	25/5	3	020-955	
03302 12v	0.5	3/4"	135 x 90 x 115	37/5	4	020-960	
03602 12v	1.4	1"	165 x 120 x 145	88/5	7	020-965	
03603 12v	1.5	1"	165 x 120 x 145	116/5	10	020-970	
06601 12v	3	1 1/4"	195 x 135 x 170	126/5	13	020-975	
0231 24v	0.5	3/4"	120 x 80 x 105	25/5	1.8	020-957	
03302 24v	0.5	3/4"	135 x 90 x 115	37/5	2	020-962	
03602 24v	1.4	1"	165 x 120 x 145	88/5	3	020-968	
03603 24v	1.5	1"	165 x 120 x 145	116/5	5	020-972	
06601 24v	3	1 1/4"	195 x 135 x 170	126/5	6	020-977	

Bilge pumps. Suitable for clean, dirty, boat bilge water drainage applications.

NOT CONTINUOUSLY RATED. FOR INTERMITTENT USE ONLY.

All the low voltage motors have brushes and a duty cycle of approximately twenty minutes in every hour. Panel switch see page 190.



BILGE PUMP

LOW VOLTAGE PUMPS

TMC CARAVAN PUMP

C

MODEL	KG	LM/HM	AMPS	CODE	PRICE
TMC-04301 12v	0.17	7.5/5	2	020-930	
TMC-04301 24v	0.17	7.5/5	1	020-932	

Tmc caravan pump - compact design with a wide variety of uses including emptying and filling, transfer of clean and nuisance water containing no solid matter.

TMC FLEXIBLE IMPELLER PUMP

C

MODEL	KG	LM/HM	AMPS	CODE	PRICE
TMC-06203 12v	2.8	20/4	8.0	020-938	
TMC-06203 24v	2.8	20/4	4.0	020-940	
TMC-06211 Replacement Impeller for above				020-950	

Tmc flexible impeller pump designed to transfer clean and dirty water with the advantage of being self priming from 0.5 metres vertically from dry. 1" hose inlet / 1" hose outlet. 10amp fused. Do not run dry.

TMC MACCERATOR PUMP C/W FLEXIBLE IMPELLER

C

MODEL	KG	LM/HM	AMPS	CODE	PRICE
TMC-06205 12v	2.8	20/4	12	020-942	
TMC-06205 24v	2.8	20/4	6	020-944	
TMC-06211 Replacement Impeller for above				020-950	

Tmc flexible impeller pump with a macerator before the impeller. Used to transfer clean and dirty water containing domestic sewage and soft toilet paper. Can prime 0.5 metres vertically from dry. Not designed for macerating sanitary towels, nappies, towels etc. 1½" hose inlet / 1" hose outlet. 25amp fused. Do not run dry.

PANEL SWITCH

C

MODEL	KG	H x W mm	AMPS	CODE	PRICE
PANEL SWITCH 12v	0.5	87 x 117	5-30	020-980	
PANEL SWITCH 24v	0.5	87 x 117	5-15	020-982	

These panel switches are used to control bilge pumps in conjunction with a float switch. Built in relay circuit protects the float against instant high current. Three way rocker switch Auto - Off - Man positions. LED illumination when pump operates in auto selection. Range of fuses supplied. Designed to be fitted to a bulkhead or dashboard.

TMC LOW LEVEL FLOAT SWITCH

C

MODEL	KG	LM/HM	AMPS	CODE	PRICE
TMC-08121	0.18	/	10A MAX	020-948	

Tmc float switch to adapt to low voltage 12v or 24v bilge pumps for automatic on and off operation. Complete with 1 metre of lead.

Switches on at approx 40mm and off at 5mm water levels.

All models listed are not for pumping chemicals, oils, petrol etc. Not continuously rated, for intermittent use only. Light duty use. All the low voltage motors have brushes and a duty cycle of approximately twenty minutes in every hour.



PRESSURE BOOSTING SYSTEMS

PRESSCONTROL & CONTROLPRESS

E

MODEL	KG	SIZE	H x W x L	MAX kW/AMP	CODE	PRICE
PRESSCONTROL 230v	1.4	1"	165 x 170 x 230	1.5/8	060-430	
PRESSCONTROL 110v	1.4	1"	165 x 170 x 230	0.75/8	060-429	
CONTROLPRESS 230v	2.6	1 1/4"	175 x 210 x 300	2.2/16	060-438	

Presscontrol and Controlpress are electronic pressure switch and protection devices. They can be fitted to almost any pump with an outlet pressure of two bar minimum to ten bar maximum with a flow rate of between 40-200 litres per min. The Presscontrol and Controlpress will turn off in the case of no water to protect the pump from dry running. Suitable for most water systems from well, tank or low pressure mains. Two versions allow small and larger motors to be installed. Controlpress is also pressure adjustable.



Presscontrol



Controlpress



Fuel Oil Presscontrol

FUEL OIL PRESSCONTROL

E

MODEL	KG	SIZE	H x W x L	MAX kW/AMP	CODE	PRICE
FUEL OIL PRESSCONTROL 230v	1.4	1"	165 x 170 x 230	1.5/8	050-304	

Fuel oil Presscontrol has the same characteristics as above and is suitable for controlling pumps that are used for diesel fuel oil.

MASCONTROL LOW VOLTAGE

E

MODEL	KG	SIZE	H x W x L	MAX kW/AMP	CODE	PRICE
MASCONTROL 12v	1.4	1"	165 x 210 x 250	0.14/12	060-432	
MASCONTROL 24v	1.4	1"	165 x 210 x 250	0.37/22	060-434	

Mascontrol has the same features as the Presscontrol and Mascontrol but is used to control low voltage twelve and twenty four volt pumps. In the case of the Mascontrol not being big enough in Kw/Amps a solenoid must be used to reduce the current. Minimum pump pressure of 2.6 bar required



Mascontrol



SURFACE MOUNTED PUMPS

TRADITIONAL VERTICAL SUMP PUMPS DRY MOTOR – FOR CLEAN WATER – 1¼" OUTLET

E

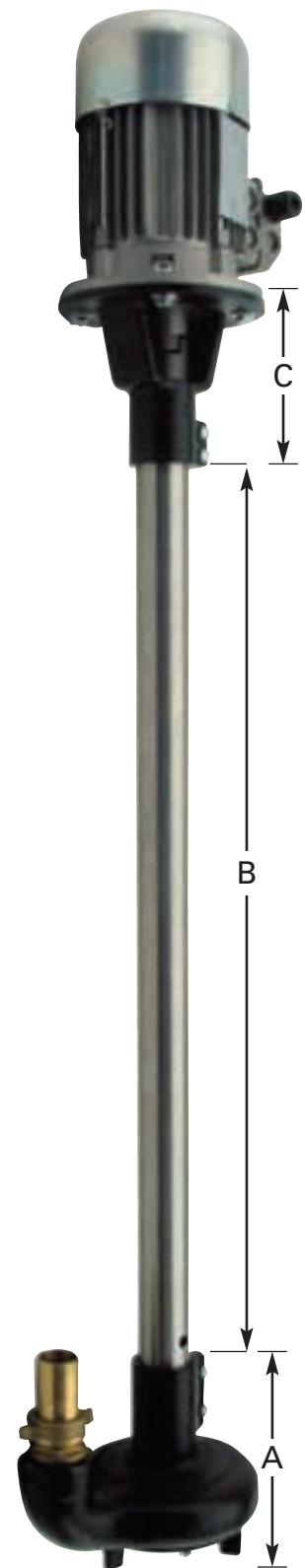
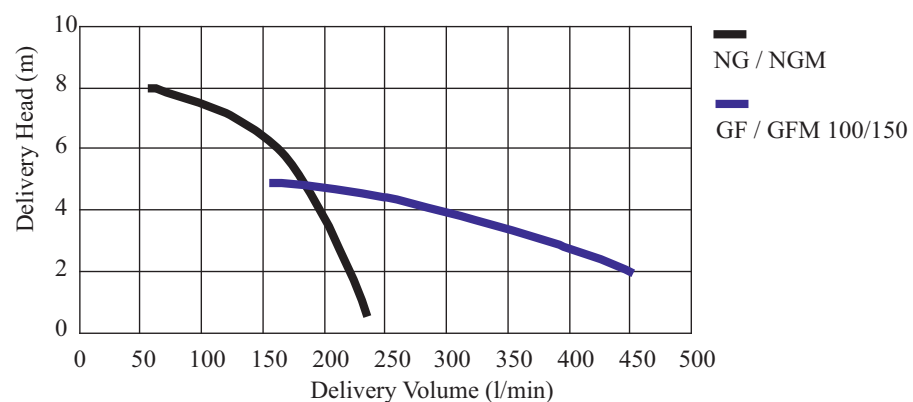
MODEL	VOLTAGE	KG	A x B x C	LM/HM	kW	CODE	PRICE
NGM-80	230v	10.2	A-165 B-800 C-130	240/8	0.55	075-050	
NGM-100	230v	11.4	A-165 B-1000 C-130	240/8	0.55	075-052	
NGM-120	230v	12.2	A-165 B-1200 C-130	240/8	0.55	075-054	
NG-80	415v	10.2	A-165 B-800 C-130	240/8	0.55	075-056	
NG-100	415v	11.4	A-165 B-1000 C-130	240/8	0.55	075-058	
NG-120	415v	12.2	A-165 B-1200 C-130	240/8	0.55	075-060	

TRADITIONAL VERTICAL SUMP PUMPS DRY MOTOR – DIRTY WATER – 2" OUTLET

E

MODEL	VOLTAGE	KG	A x B x C	LM/HM	kW	CODE	PRICE
GFM-100	230v	21	A-165 B-1000 C-160	500/5	1.1	011-780	
GFM-150	230v	23	A-165 B-1500 C-160	500/5	1.1	011-782	
GF-100	415v	21	A-165 B-1000 C-160	500/5	1.1	011-788	
GF-150	415v	23	A-165 B-1500 C-160	500/5	1.1	011-790	

NG and NGM vertical motor driven stem pumps for pumping liquid that is not particularly dense such as cellar and waste water with no abrasives. GF and GFM vertical, motor driven stem pumps for pumping dirty water with no abrasives. Motor support, pump body, volute and impeller are made from cast iron. Stainless steel shaft, with brass shaft guide bushes. Maximum liquid temperature 90°C. 15mm maximum solids handling. During operation the pump must be submerged up to the first hole on the stem to allow the shaft guide bush to be lubricated by the pumped liquid.



SURFACE MOUNTED PUMPS

MACHINE TOOL COOLANT (SUDS) PUMPS

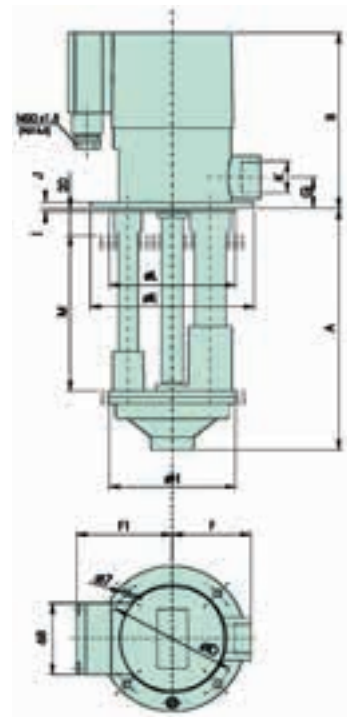
E

MODEL	KG	VOLTAGE	LM/HM	WATT	CODE	PRICE
NT-120	4	415	24/4	90	075-010	
NT-170	4	415	24/4	90	075-012	
NT-220	4	415	24/4	90	075-014	
NT-270	4	415	24/4	90	075-016	
NU-120	4.2	415	40/4	120	075-020	
NU-170	4.2	415	40/4	120	075-022	
NU-220	4.2	415	40/4	120	075-024	
NU-270	4.2	415	40/4	120	075-026	
NV-120	4.2	415	63/4	155	075-028	
NV-170	5	415	63/4	155	075-030	
NV-220	5	415	63/4	155	075-032	
NV-270	5	415	63/4	155	075-034	
NZ-270	9	415	100/4	360	075-036	
NZ-350	9	415	100/4	360	075-038	
415v to 230v Single Phase conversion					075-040	

Machine tool suds pumps designed for the pumping of cooling liquids, cutting compounds and cutting oil. Flanged designed for vertical assembly directly on top of the coolant vessels. Minimum and maximum temperatures are 0-60°C. Not for pumping abrasives, so the liquid being pumped has to be filtered to stop impurities entering the pump chamber. Plastic impeller.



TYPE	A	B	D	E	F	F1	G	H	I	J	K	L	M
NT-120	120												80
NT-170	170	150	115	130	70	90	25	99.5	2.5	5	G 3/4"	100	130
NT-220	220												180
NT-270	270												230
NU-120	120												80
NU-170	170	156	115	130	70	90	25	99.5	2.5	5	G 3/4"	100	130
NU-220	220												180
NU-270	270												230
NV-120	120												80
NV-170	170	171	115	130	70	90	25	99.5	2.5	5	G 3/4"	100	130
NV-220	220												180
NV-270	270												230
NZ-270	270	231	160	180	100	100	32	130	4	8	G 3/4"	140	210
NZ-350	350												290



GENERATORS

GUIDE FOR CHOOSING THE CORRECT GENERATOR FOR YOUR NEEDS

1. First of all decide whether you want to run a petrol, diesel or LPG gas converted petrol generator.
2. Determine the power (Kw) required to run all of your equipment at any one time. All electrical products will have a data label with the power usage.
See notes below if there are appliances with electric motors or sensitive power equipment eg computers.
3. Calculate the total amount of power required.
4. Choose a generator that either meets this total – or exceeds it, to allow for extra scope.

Notes

ELECTRIC MOTORS

Items with electrical motors for example washing machines, water pumps, fridges, freezers require a greater starting up wattage.

A normal guideline rule for example is a water pump of 750watts with a capacitor start circuit will require three times of power on start up. So 750watts x 3 times = 2250 watts, a generator of minimum 2.3 kw power is then required.

Most hand held power tools using universal commutator motors do not require additional starting up power

SENSITIVE EQUIPMENT

It is not advisable to run for example, computers from a standard generator. A generator that has AVR – Automatic Voltage Regulation, like the Villiers series on page 197, have a more stable electricity output, but, it is still advisable to use an anti surge device as recommended by computer manufacturers.

If you have any other questions, or need help and advice, please call our sales team who will be glad to help.

POWER GUIDE

APPLIANCE	WATTS	APPLIANCE	WATTS
Light bulb	100	Lawnmower	1000
Palm Sander	175	5" Circular Saw	1000
Strimmer 10"	350	Router	1000
Radio / HiFi	200	Belt Sander	1020
Colour TV	250	Vacuum Cleaner	1100
Flood Lamp	500	Coffee Maker	1200
13mm Drill	450	Cement Mixer	1320
Water Pump 750w	2250	Chain Saw 10–16"	1500
Jig Saw	400	600W Microwave	1500
Bench Grinder	400	Arc Welder 130A	3500
Computer	400	Hot Air gun	1500
Orbital Sander	450	Hairdryer	1000
Hedge Trimmer	500	Compressor	2200
Planer	700	12" Grinder	250
4" Angle grinder	550	Hammer Drill	2500
1/3 HP Sprayer	600	Kettle	2500
5" Angle Grinder	750	Fan Heater	3000
Fridge	700	Hammer / Breaker	3000

GENERATORS

VILLIERS INVERTER GENERATORS

A


Need help in choosing which size generator is best suited for your needs? See page 194 for a guide.

Model No.	G1000i	G2000i
Rated Voltage (V)	230V	230V
Outlets	1 x 230V 13A Domestic	2 x 230V 13A Domestic
Rated output (kW)	0.85kW	1.7kW
Max output (kW)	0.95kW	1.9kW
DC output	12 Volt 6 Amps	12 Volt 6 Amps
Engine	4-stroke OHC single cylinder	4-stroke OHC single cylinder
Horse Power (HP)	1.8	2.9
Oil alert	YES	YES
Fuel capacity (L)	2.1L	3.5L
Continuous running time (hours@rated output)	3.5 hours	3.7 hours
Noise level dB @ 7m	64dB	64dB
Dimensions (H x W x Lmm)	410 x 280 x 505	460 x 305 x 555
Net weight (Kg)	15Kg	25KGg
Starting system	Recoil starter	Recoil starter
Recommended Lube Oil type	SAE 10W30, 15W40	SAE 10W30, 15W40
Fuel type	Unleaded petrol	Unleaded petrol
CODE	G1000i	G2000i
PRICE		

GENERATORS

CHANGFA DIESEL ENGINE GENERATORS

A


Need help in choosing which size generator is best suited for your needs? See page 194 for a guide.

Model No.	CED2500XE	CED4000XE	CED6500XE
Rated Voltage (v)	110/230v		
Outlets	1 x 230v 16A Industrial 1 x 110v 32A Industrial		
Rated Output	1.8kW	2.6kW	4.2kW
Max Output	2.0kW	3.0kW	4.5kW
DC Output	12 volt 8.3 Amps		
Engine	CF170F	CF178F	CF186F
H/Power	5HP	7HP	10HP
Oil Alert	YES		
Fuel Tank Capacity (L)	12.5L		
Continuous Run Time (h @ 50% load)	22	14	7.5
Noise Level dB @ 7m	79	79	79
Dimensions (H x W x L)	655 x 540 x 620	725 x 530 x 640	790 x 535 x 675
Net Weight Kg	79	97	114
Starting System	Recoil Starter & Electric Start – (battery included)		
Oil Capacity (Litres)	0.45	0.6	0.6
Recommended Lube Oil Type	SAE 10W30, 15W40		
Fuel Type	Diesel		
Wheel Kit	Optional Extra 090-886	Optional Extra 090-886	Yes, supplied, not fitted
Code	CED2500XE	CED4000XE	CED6500XE
Price			

GENERATORS

VILLIERS V SERIES PETROL ENGINE GENERATORS

C/W AVR – AUTOMATIC VOLTAGE REGULATOR

A



V2800



V3500



V6000

Need help in choosing which size generator is best suited for your needs? See page 194 for a guide.

Model No.	V2800	V3500	V6000
Rated Voltage (V)	110/230V		
Outlets {	1 x 230V 13A Domestic 1 x 110V 16A Industrial	1 x 230V 32A Industrial 2 x 110V 16A Industrial	1 x 230V 32A Industrial 1 x 110V 32A Industrial 1 x 110V 16A Industrial
Rated output (kW)	2.2kW	3.0kW	5.5kW
Max output (kW)	2.5kW	3.5kW	6.0kW
DC output	12 Volt 8.3 Amps		
Engine	4-stroke OHC single cylinder		
Horse Power (HP)	6.5	8	13
Oil alert	YES		
Fuel capacity (Litres)	15L	25L	25L
Continuous run time (h@50% Load)	12 hours	13 hours	11 hours
Noise level dB @ 7m	69dB		
Dimensions (H x W x Lmm)	465 x 475 x 594	559 x 562 x 684	559 x 562 x 684
Net weight (Kg)	55Kg	78Kg	96Kg
Starting system	Recoil starter & Electric start (battery included)		
Recommended Lube Oil type	SAE 10W30, 15W40		
Fuel type	Unleaded petrol		
Wheel Kit	Yes, supplied not fitted		
CODE	V2800	V3500	V6000
PRICE			

NEW PRODUCTS

INTRODUCING THE DRENO RANGE NEW FOR THE 2013/14 SEASON



DRENO Compatta



See pages 28-47

GENERATORS

VILLIERS EN SERIES PETROL ENGINE GENERATORS

A

- Hire Performance Industrial Generators
- High quality Loncin petrol engines c/w low oil level shutdown
- World class Mecc-Alte brushless alternators
- Top mounted dual voltage control box with voltage selector and circuit breaker protection
- Heavy duty 32mm powder coated tubular frame c/w anti vibration mounts



■ Available mid-September 2013

Model No.	EN2500V	EN3500V	EN4100V	EN6500V
Rated Voltage (v)	110/230v			
Outlets	1 x 110v 16A Ind 1 x 230v 16A Ind	1 x 110v 16A Ind 1 x 230v 16A Ind	2 x 110v 16A Ind 2 x 230v 16A Ind	1 x 110v 16A Ind 1 x 230v 16A Ind 1 x 110v 32A Ind 1 x 230v 32A Ind
Rated Output kW	2.5kW	2.8kW	4.1kW	6.5kW
Maximum Output kW	2.5kW	2.8kW	4.1kW	6.5kW
DC Output	NO			
Engine	G200VG	G200VG	G270VG	G390VG
Horse Power	6.5	6.5	9.0	13.0
Oil Alert	YES			
Fuel Capacity (Litres)	3	3	5	6
Continuous Run Time (h @ 50% load)	2.8	2.8	2.6	2.3
Noise Level (dBA) ≤ 7 Metres	96	96	98	99
Dimensions (H x W x L)	460 x 480 x 640	460 x 480 x 640	560 x 530 x 720	560 x 520 x 850
Net Weight (Kg)	42	44	59	69
Starting System	Recoil Start Only			
Recommended Lube Oil Type	SAE 10W30, 15W40			
Fuel Type	Unleaded Petrol			
Wheel Kit	Optional Extra – Code 090-886			
Code	EN2500V	EN3500V	EN4100V	EN6500V
Price				

Need help in choosing which size generator is best suited for your needs? See page 194 for a guide.

GENERAL PURPOSE REPLACEMENT ENGINES

VILLIERS PETROL

A


G152VFQ



G160VFQ

Parallel key way Q shaft

Generator shaft



Model No.	G152V	G160V	G200V
Engine Type	Single Cylinder 4-stroke HV Forced Air Cooling		
H/P	2.5	5.5	6.5
Max Torque (N • m/rpm)	5.7 / 3600	10.5 / 3000	13.0 / 3000
Bore x Stroke	52 x 56	68 x 45	68 x 54
Displacement	98	163	196
Compression Ratio	8.5:1	8.5:1	8.5:1
Oil Capacity (Litres)	0.45	0.6	0.6
Noise Level (dBA) ≤ 7 Metres	80	70	70
Lubrication System	Splash	Splash	Splash
Oil Alert	No	Yes	Yes
PTO° Shaft Rotation	Anti clockwise (from PTO side) <i>all models</i>		
Ignition System	Transistorised magneto <i>all models</i>		
Air Cleaner	Semi dry, oil bath, dual element type <i>all models</i>		
Fuel Consumption (g/kW Hour)	≤ 435	≤ 395	≤ 395
Idle Speed (r/min)	1400 ± 150 <i>all models</i>		
Speed Fluctuating Ratio	≤ 10% <i>all models</i>		
Dimension	275 x 270 x 345	312 x 362 x 335	312 x 376 x 335
Dry Weight Kg (Packing)		15 (18)	16 (19)

Model / Version	Code	Price	Code	Price	Code	Price
Q Shaft Recoil Start	G152VFQ		G160VFQ		G200VFQ	
Q Shaft Electric Start					G200VFQES	
Generator Taper Shaft Recoil Start			G160VFG		G200VFG	

For dimensions see page 202

GENERAL PURPOSE REPLACEMENT ENGINES

VILLIERS PETROL

A


G200VFQES



G270VFQ

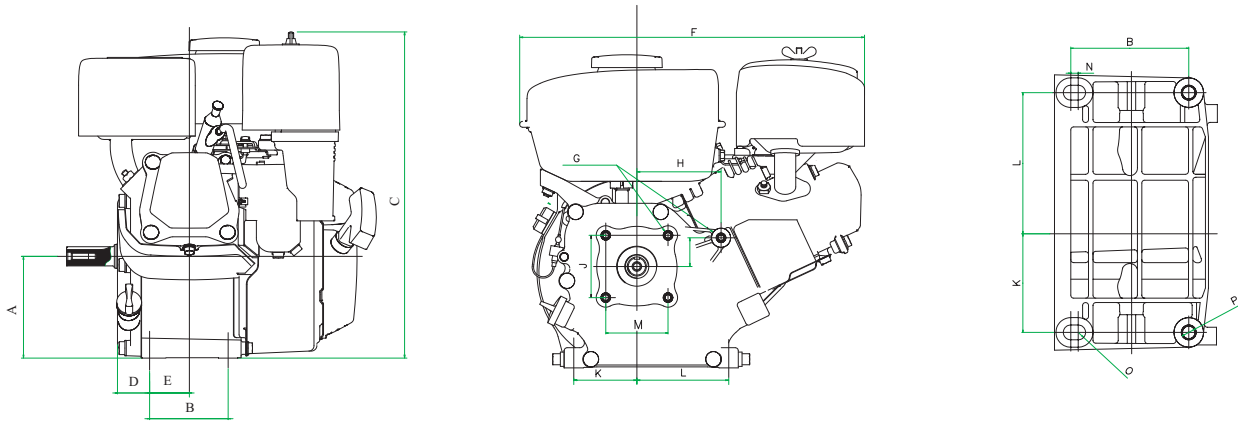


Model No.	G270V	G390V	G420V
Engine Type	Single Cylinder 4-stroke HV Forced Air Cooling <i>all models</i>		
H/P	9	13	15
Max Torque (N • m/rpm)	19.0 / 3000	26.5 / 3000	9.8 / 4000
Bore x Stroke	77 x 58	88 x 64	90 x 66
Displacement	270	389	420
Compression Ratio	8.2:1	8.1:1	8.3:1
Oil Capacity (Litres)	1.1	1.1	1.1
Noise Level (dBA) ≤ 7 Metres	80	80	80
Lubrication System	Splash	Splash	Splash
Oil Alert	Yes	Yes	Yes
PTO° Shaft Rotation	Anti clockwise (from PTO side) <i>all models</i>		
Ignition System	Transistorised magneto <i>all models</i>		
Air Cleaner	Semi dry, oil bath, dual element type <i>all models</i>		
Fuel Consumption (g/kW Hour)	≤ 395 <i>all models</i>		
Idle Speed (r/min)	1400 ± 150 <i>all models</i>		
Speed Fluctuating Ratio	≤ 10% <i>all models</i>		
Dimension	380 x 430 x 410	405 x 450 x 443	405 x 452 x 443
Dry Weight Kg (Packing)	26 (29)	31 (34)	32 (35)

Model / Version	Code	Price	Code	Price	Code	Price
Parallel Shaft Recoil Start	G270VFQ		G390VFQ			
Parallel Shaft Electric Start	G270VFQES		G390VFQES		G420VFQES	
Generator Taper Shaft Recoil Start	G270VFG		G390VFG			
Generator Taper Shaft Electric Start			G390VFGES		G420VFGES	

For dimensions see page 202

GENERAL PURPOSE ENGINE DIMENSIONS



Model No.	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
G152	11	79	345	35.8	28.0	270	M8 x 13mm deep	-	-	-	-	-	-	ø9	ø9	-
G120	106	80	330	35.7	39.5	340	M8 x 13mm deep	-	-	-	-	-	-	-	-	-
G160	106	80	341	35.7	39.5	362	M8 x 15mm deep	88	30	65.1	66	96	65.1	5	10 x 14	ø9
G200	106	80	341	35.7	39.5	362	M8 x 15mm deep	88	30	65.1	66	96	65.1	5	10 x 14	ø9
G270	135.5	103	423	57.5	34.5	430	M8 x 18mm deep	103	35	89.8	90	106	89.9	17	12 x 23	ø12
G390	135.5	103	443	73.0	27.0	456	M8 x 18mm deep	103	35	89.8	90	106	89.9	17	12 x 23	ø12
G420	135.5	103	443	73.0	27.0	456	M8 x 18mm deep	103	35	89.8	90	106	89.9	17	12 x 23	ø12

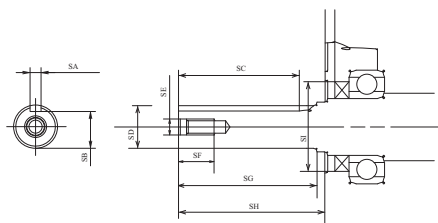
PARALLEL KEY WAY

Model No.	SA	SB	SC	SD	SE	SF	SG	SH	SI
G152	4.78	13.06	58.5	15.80 (5/8")	1/4-28 UNF	22	58.5	59.8	41.25
G120	4.78	13.06	58.5	19.05 (3/4")	1/4-28 UNF	22	58.5	59.8	41.25
G160	4.78	16.36	45.5	19.05 (3/4")	5/16-24 UNF	17	58.5	61.7	41.25
G200	4.78	16.36	45.5	19.05 (3/4")	5/16-24 UNF	17	58.5	61.7	41.25
G270	6.30	21.82	56.0	25.40 (1")	7/16-20 UNF	28	72.2	88.5	N/A
G390	6.30	21.82	56.0	25.40 (1")	3/8-24 UNF	28	72.2	88.5	N/A
G420	6.30	21.82	56.0	25.40 (1")	3/8-24 UNF	28	72.2	88.5	N/A

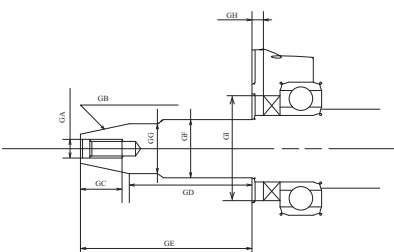
GENERATOR SHAFT

Model No.	GA	GB	GC	GD	GE	GF	GG	GH	GI
G160	M8 x 1	TAP 1:5	23	39.1	55.6	20	19.2	5.5	41.25
G200	M8 x 1	TAP 1:5	23	39.1	55.6	20	19.2	5.5	41.25
G270	M10 x 1.25	TAP 1:5	30	13.1	47.6	26	110		
G390	M10 x 1.25	TAP 1:5	30	19.0	48.0	26	110		
G420	M10 x 1.25	TAP 1:5	30	19.0	48.0	26	110		

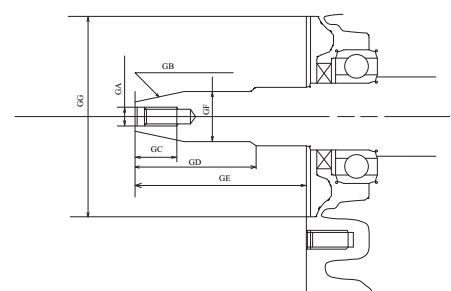
Key Shaft for G160 – G420F



Generator Shaft for G160 – G200F



Generator Shaft for G270 – G420F



GENERAL PURPOSE REPLACEMENT ENGINES

PETROL ENGINES – REDUCTION & CLUTCH SERIES

A

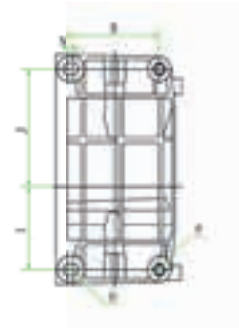
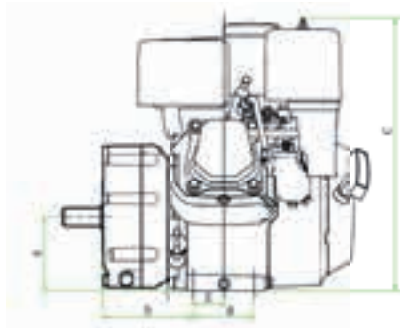

G200VFS-C



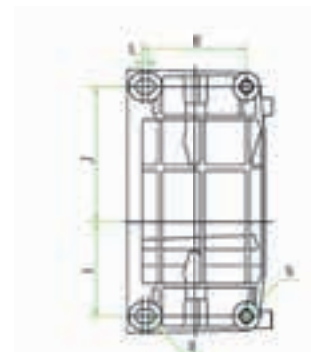
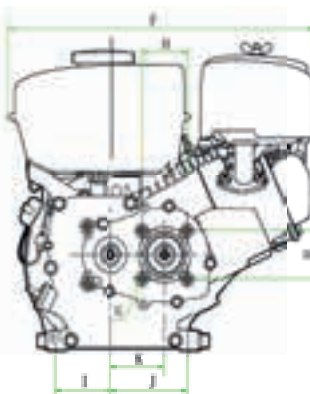
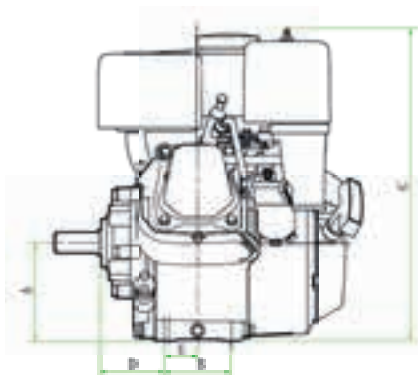
G160VFS-B

Model	Hp	Shaft Size	Code	Price
G160VFS-C	5.5 Hp	20 mm	G160VFS-C RED CH	
G200VFS-C	6.5 Hp	20 mm	G200VFS-C RED CH	
G270VFS-C	9 Hp	25 mm	G270VFS-C RED CH	
G390VFS-C	13 Hp	25 mm	G390VFS-C RED CH	

Model	Hp	Shaft Size	Code	Price
G160VFS-B	5.5 Hp	20 mm	G160VFS-B CLU	
G200VFS-B	6.5 Hp	20 mm	G200VFS-B CLU	
G270VFS-B	9 Hp	22 mm	G270VFS-B CLU	



Model No.	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
G160VFS-B	92	80	335	87.0	39.5	362	M8 x 15mm deep	35	66	96	90.5	92	106	5	10 x 15	ø9
G200VFS-B	92	80	335	87.0	39.5	362	M8 x 15mm deep	35	66	96	90.5	92	106	5	10 x 15	ø9
G270VFS-B	133.5	110	423	87.7	34.5	430	M8 x 16mm deep	35	90	105.5	90.5	133.5	133.5	13	12 x 25	ø12



Model No.	A	B	C	D	E	F	G	H	I	J	K	L	M	N
G160VFS-C	106	80	335	75.0	39.5	362	M8 x 15mm deep	54	66	96	65.9	5	10 x 15	ø9
G200VFS-C	106	80	335	75.0	39.5	362	M8 x 15mm deep	54	66	96	65.9	5	10 x 15	ø9
G270VFS-C	133.5	110	423	87.7	34.5	430	M8 x 15mm deep	70	90	105.5	68.2	13	12 x 25	ø12
G390VFS-C	133.5	103	440	\	\	465	M8 x 15mm deep	70	\	\	\	13	12 x 25	ø12

For a full dimensional drawing on the G390VFS-C please contact us

GENERAL PURPOSE REPLACEMENT ENGINES

CHANGFA DIESEL



CF170
Recoil Start



CF170E
Electric Start with Charging Circuit

Model No.	CF170F(E)	CF178F(E)	CF186F(E)
Engine Type	Vertical, Single Cylinder 4-stroke Air Cooled Diesel		
H/Power	5HP	7HP	8.5HP
Combustion System	Direct Injection		
Bore x Stroke (mm x mm)	70 x 55	78 x 62	86 x 70
Shaft Size	3/4" Q Shaft	1" Q Shaft	1" Q Shaft
Displacement (L)	0.211	0.296	0.406
Max Torque (N • m/rpm)	5.7 / 3600	7.5	10.5 / 3000
Compression Ratio	20	20	20
Recommended Power (kW/3600 rpm)	2.8	4.0	6.5
Max Output	3.1	4.4	7.3
Cooling System	Forced Air Cooling		
Oil Capacity (Litres)	0.45	0.6	0.6
Lubrication System	Pressure Lubrication		
Starting System	Recoil or Electric Options		
PTO° Shaft Rotation	Anti clockwise (from PTO side)		
Air Cleaner	Dry type with paper element filter		
Volume of Fuel Tank (L)	2.5	3.5	5.5
Volume of Engine Oil (L)	0.75	1.1	1.65
Fuel Consumption (g/kW Hour)	274 g/kW-h	268 g/kW-h	279 g/kW-h
Dimension (L x W x H)	332 x 376 x 415	383 x 421 x 450	417 x 470 x 494
Weight Kg	27	33	55

Model / Version	Code	Price	Code	Price	Code	Price
Q Shaft Recoil Start	CF170F					
Q Shaft Electric Start	CF170FE		CF178FE		CF186FE	
Generator Taper Shaft Electric Start	-	-	-	-	CF186 GEN ES	

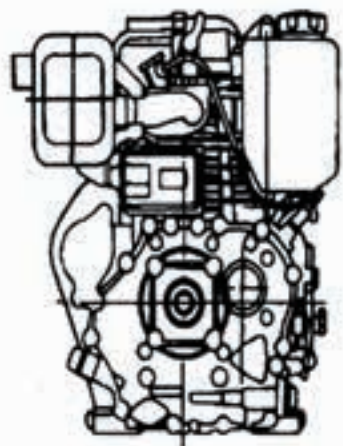
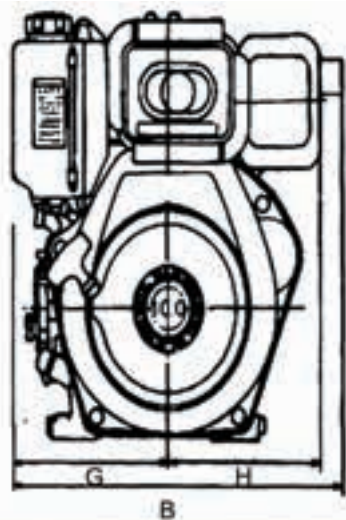
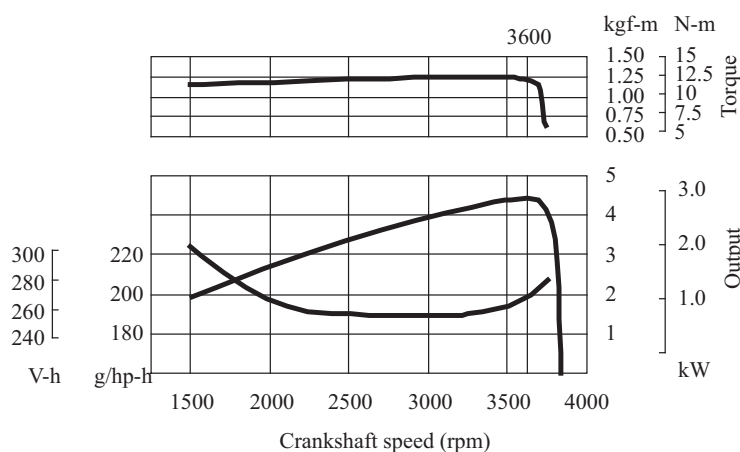
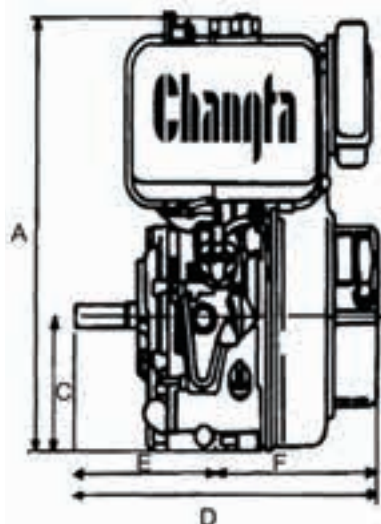
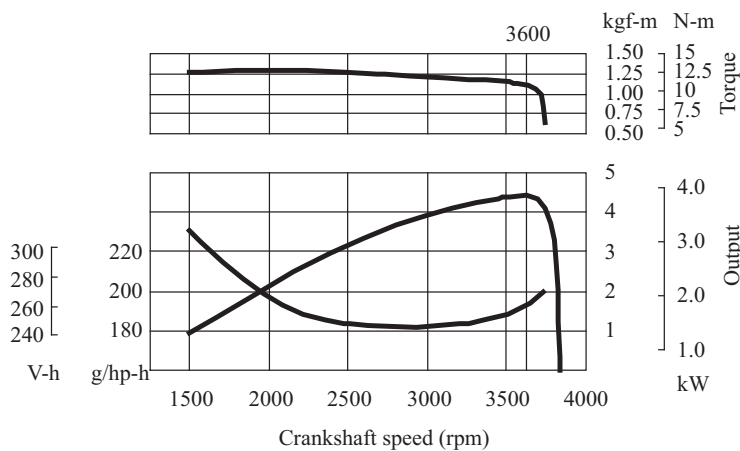
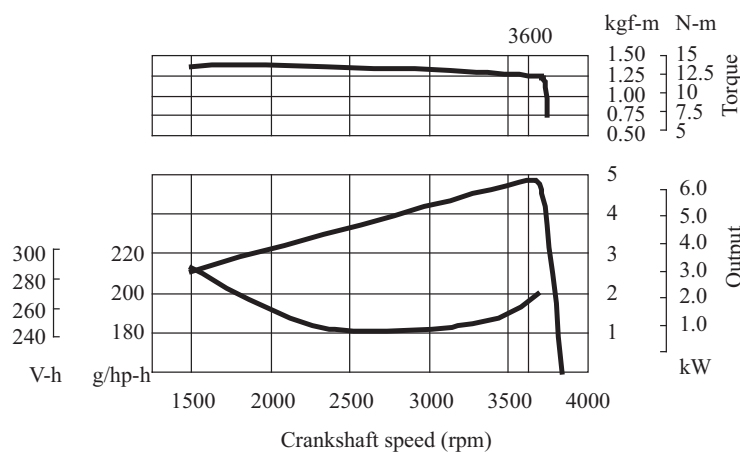
GENERAL PURPOSE REPLACEMENT ENGINES

CHANGFA DIESEL

A

DIMENSIONS mm

MODEL	A	B	C	D	E	F	G	H	SHAFT
CF170	415	376	130	332	140	192	190	186	3/4"
CF178	450	421	145	383	184.5	199	203	193	1"
CF186	494	441	155	417	193	224	223	218	1"


CF170F series

CF178F series

CF186F series


SURFACE MOUNTED PUMPS

SWIMMING POOL PUMPS SELF-PRIMING

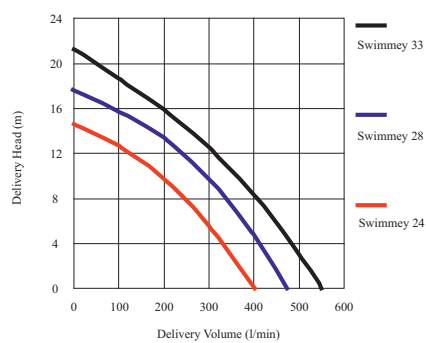
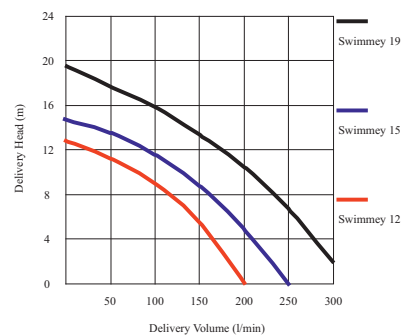
E

SWIMMEY 230v RANGE

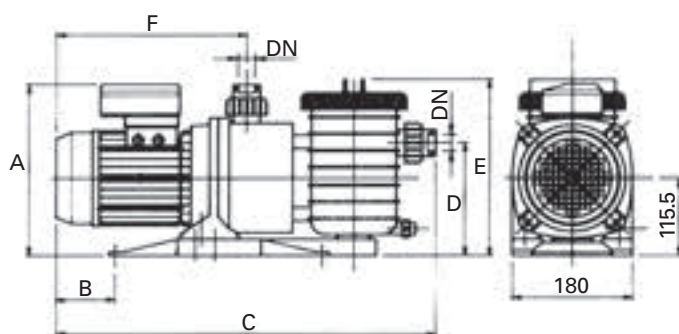
MODEL	KG	kW	HP	LM/HM	CODE	PRICE
SWIMMEY 12M	8	0.37	1/2	210/13	014-010	
SWIMMEY 15M	8.5	0.5	3/4	250/15	014-012	
SWIMMEY 19M	10.2	0.75	1	310/20	014-014	
SWIMMEY 24M	11	1	1.3	400/15	014-016	
SWIMMEY 28M	13	1.13	1.5	480/17	014-038	
SWIMMEY 33M	14.5	1.5	2	550/20	014-040	

SWIMMEY 415v RANGE

MODEL	KG	kW	HP	LM/HM	CODE	PRICE
SWIMMEY 12T	8	0.37	1/2	210/13	014-011	
SWIMMEY 15T	8.5	0.5	3/4	250/15	014-013	
SWIMMEY 19T	10.2	0.75	1	310/20	014-015	
SWIMMEY 24T	11	1	1.3	400/15	014-017	
SWIMMEY 28T	13	1.13	1.5	480/17	014-039	
SWIMMEY 33T	14.5	1.5	2	550/20	014-041	



SW12-33



Model	Dimensions mm							Weight Kg
	A	B	C	D	E	F	DN	
SWIMMEY 12*	230	35	565 (590)	183	280	240 (265)	48.5mm/50mm/1 1/2" BSP	8
SWIMMEY 15*	230	35	565 (590)	183	280	240 (265)	48.5mm/50mm/1 1/2" BSP	8.5
SWIMMEY 19*	240	58	590 (610)	183	280	255 (290)	48.5mm/50mm/1 1/2" BSP	10.2
SWIMMEY 24	240	87	610	183	280	285	48.5mm/50mm/1 1/2" BSP	11
SWIMMEY 28	260	112	635	183	280	310	48.5mm/50mm/1 1/2" BSP	13
SWIMMEY 33	260	112	635	183	280	310	48.5mm/50mm/1 1/2" BSP	14.5

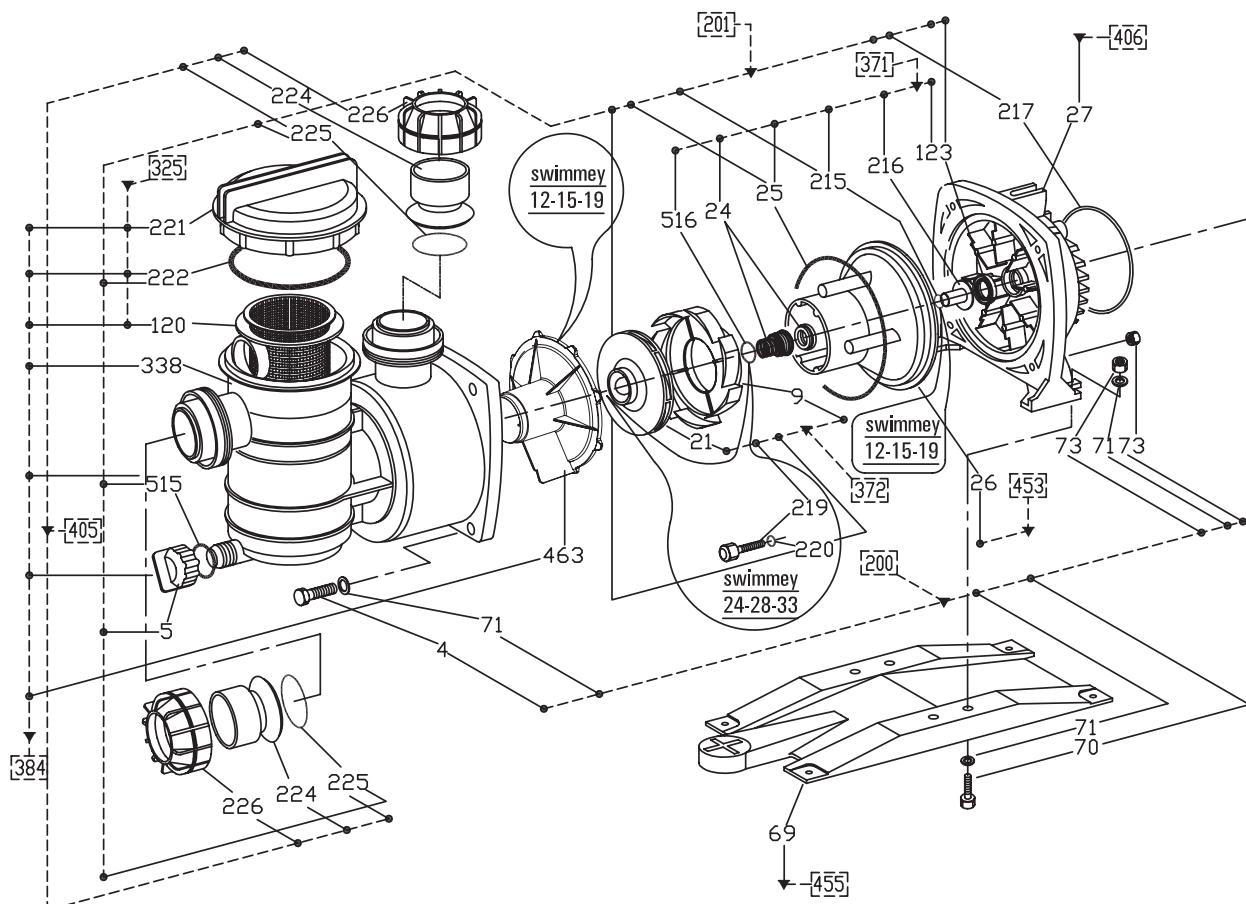
*subject to change – new version

SURFACE MOUNTED PUMPS

SWIMMEY – COMMON PARTS

E

Kit Ref	Kit Desc	Part Ref	Desc	SW12 M&T	SW15 M&T	SW19 M&T	SW24 M	SW24 T	SW28 M	SW28 T	SW33 M	SW33 T	
201	Gasket Kit	123	Seal Ring	ZBR40640			ZBR40650				ZBR40660		
		503	V Guard										
		217	Gasket										
		215	O Ring Shaft										
		25	O Ring Pump Body										
		220	O Ring Imp Screw										
		515	O Ring Plug										
		225	O Ring Inlet/Outlet										
		222	O Ring Filter										
		5	Plug										
325	Filter Complete	221	Cover Filter										
		222	O Ring Filter Cover										
		120	Filter										
371	Mech Seal Kit	123	Seal Ring	ZBR40670							ZBR40680		
		216	Shaft Sleeve										
		215	O Ring Shaft										
		25	O Ring Pump Body										
		24	Mechanical Seal										
		516	O ring Impeller										
372	Hydraulic Kit	9	Diffuser	ZBR 40740	ZBR 40750	ZBR 40760	ZBR 40770	ZBR 40780	ZBR 40790	ZBR 40800	ZBR 40810	ZBR 40820	
		220	O Ring Imp Screw										
		219	Screw Imp Lock										
		21	Impeller										
384	Pump Body Kit	463	Adapter Flange	ZBR41020							ZBR41030		
		515	O Ring Plug										
		120	Filter										
		221	Cover Filter										
		222	O Ring Filter Cover										
		5	Plug										
		338	Pump Body										
		226	Union Nut x2										
405	Coupling Kit	224	Coupling Joint x2	ZBR41010 + 48.5mm / 50mm / 1½"									
		225	O Ring Inlet/Outlet x2										
		406	Flange	27	Flange Bracket	ZBR40690	ZBR36000	ZBR40700	ZBR40710				
453	Flange B/P	26	Flange Backplate	ZBR40720			ZBR40730						
455	Base Kit	69	Base	ZBR41040									



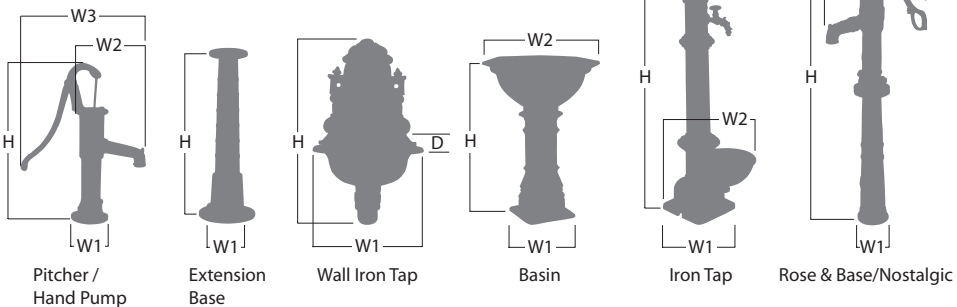
GARDEN PUMPS

CAST IRON "VILLAGE" PUMPS

IDEAL GARDEN DECORATION – HAND WORKING – 7m SUCTION IF USED WITH FOOTVALVE

E

MODEL	Kg	Hmm	W1mm	W2mm	W3mm	CODE	PRICE
PITCHER PUMP (SINK TYPE)	6	390	165	190	340	050-230	
HAND PUMP	16	640	160	330	650	050-232	
EXTENSION BASE HAND PUMP	19	690	240	–	–	050-234	
90° WALL FLANGE FOR HAND PUMP	2	–	–	–	–	050-236	
ROSE PUMP	17	640	160	330	650	050-11404	
ROSE BASE	19	690	240	–	–	050-11405	
TEAPOT PUMP	82	1180	300	400	600	050-11408	
STANDING IRON TAP	47	1220	260	400	–	050-15121	
WALL IRON TAP	17	700	430	230 deep	–	050-15131E	
IRON NOSTALGIC BASIN	32	645	210	430	–	050-15104	
NOSTALGIC HAND PUMP	50	1540	150	600	750	050-11409	



COMMON SPARE PARTS FOR CAST IRON VILLAGE PUMPS

E

PART	TO SUIT	CODE	PRICE
LEATHER WASHER 75mm	Pitcher, Hand, Rose & Nostalgic Pump	050-245	
LEATHER WASHER 90mm	Teapot Pump	050-11018	
PLUNGER c/w 75mm WASHER	Pitcher, Hand, Rose & Nostalgic Pump	050-11015	
PLUNGER c/w 90mm WASHER	Teapot Pump	050-11045	

Plunger c/w
Leather Washer



Leather Washer

GARDEN PUMPS

VERSAILLES STAINLESS STEEL WATER FEATURE PUMPS

E

MODEL	Kg	H x W x L mm	LM/HM	kW	CODE	PRICE
VERSAILLES 160/8	7	178 x 178 x 425	160/7	0.45	555-072	
VERSAILLES 250/10	7.8	178 x 178 x 620	250/10	0.9	555-074	
VERSAILLES 350/12	9.3	178 x 178 x 620	350/12	1.2	555-076	
ACCESSORIES						
VULCANO FOUNTAIN HEAD					010-002	
GAISER FOUNTAIN HEAD					010-004	
CAMPANA FOUNTAIN HEAD					010-006	
FILTER CARTRIDGE FOR 160/8					010-021	
FILTER CARTRIDGE FOR 250/10 & 350/12					010-023	

Versailles stainless steel water feature pumps. Supplied with 1/4"-1" plastic reducer to accept the fountain head optional accessories. 10 metres of power cable. The sponge filters are optional accessories and should be used where impurities in the water are less than 1.5mm. Maximum submersion depth is 7 metres.



Filter



Campana



Vulcano



Gaiser

APPROX DIAMETER & HEIGHT OF WATER FEATURES IN CM

MODEL	VULCANO	GAISER	CAMPANA
VERSAILLES 160/8	Ø 180 - H 360	Ø 20 - H 110	Ø 90 - H 45
VERSAILLES 250/10	Ø 230 - H 500	Ø 30 - H 180	Ø 95 - H 45
VERSAILLES 350/12	Ø 300 - H 600	Ø 50 - H 250	Ø 100 - H 45

LEO SUBMERSIBLE IRRIGATION WATER BUTT PUMP 16MM OUTLET 230v

MODEL	Kg	H x W x L mm	LM/HM	kW	CODE	PRICE
LEO XKS 230v	4.0	406 x 178 x 178	37/11	0.3	LEO XKS304P	

Submersible water butt pump ideal for garden irrigation



WATER BUTT PUMP

GARDEN PUMPS

PRATIKA – STAINLESS STEEL MULTISTAGE PUMP

1 1/4" OUTLET 230v

D

MODEL	Kg	H x W x L mm	LM/HM	kW	CODE	PRICE
PRATIKA MANUAL	10.8	406 x 178 x 178	110/45	1.2	022-824	
PRATIKA AUTO	10.8	406 x 178 x 178	110/45	1.2	022-822	

The Pratika pumps are portable and ready to use for installation in traditional wells, water deposits and collection tanks. Also suitable for small scale irrigation systems. CLEAN WATER ONLY with no suspended solids or abrasive material. All stainless steel apart from the impellers and diffusers which are made from Noryl. NBR lip sealed followed by a carbon ceramic seal. Supplied with 15 metres of power cable and a hoesail. Maximum submersion depth 10 metres.



Pratika Auto

DEEP 1200 AUTOMATIC

1" OUTLET 230v

D

MODEL	Kg	H x W x L mm	LM/HM	kW	CODE	PRICE
DEEP 1200 AUTO	10.8	400 x 150 x 150	95/48	1.1	022-832	

Deep is mainly of plastic construction. This submersible pump is portable and ready to use for installation in traditional wells, water deposits and collection tanks. Suitable for small scale irrigation systems. CLEAN WATER ONLY with no suspended solids or Abrasive material. Maximum submersion depth 10m. Complete with 15m of cable, non-return valve and hose tail.



DEEP 1200

ECOPOND

230v 1" INLET & OUTLET

E

MODEL	Kg	H x W x L	LM/HM	WATT	CODE	PRICE
ECOPOND 60	3.8	175 x 195 x 250	60/5	180	022-070	
ECOPOND 100	3.8	175 x 195 x 250	100/7	260	022-072	
ECOPOND 180	5.6	175 x 195 x 250	180/10	650	022-073	

Ecopond – complete with on/off switch, 1 metre of power cable and plug. **Not** self priming and must not be allowed to run dry. Maximum suction height of 2 metres with a footvalve. Suitable for pond circulation and chlorinated water.



ECOPOND

GARDENJET KITS 230v

C/W SUCTION KIT, HANDLE AND LEAD

E

MODEL	Kg	H x W x L	LM/HM	kW	CODE	PRICE
GARDEN JETINOX 1000	10	190 x 178 x 351	60/46	0.8	022-422	

Garden Jetinox – c/w handle, on/off switch and power cable. 1" inlet/outlet. Impeller, diffuser/venturi system made from technopolymer. Stainless steel pump body. Clean water only with a maximum temperature of 50°C. Maximum suction height of 7 metres. Jetinox c/w 7 metre suction kit with footvalve for the inlet. Hoesail supplied for the outlet. Can be used to draw water from wells, waterbutts etc to operate sprinklers and waterguns for irrigation purposes. For hoses see page 76.



GARDEN JETINOX 1000

SUCTION KITS

COMPLETE WITH FOOTVALVE

E

MODEL	KG	CODE	PRICE
KA-4 1" 4 Metres c/w Footvalve	3	060-380	
KA-7 1" 7 Metres c/w Footvalve	4	060-382	
KA-4 Max 1 1/4" 4 Metres c/w Footvalve	3	060-384	
KA-7 Max 1 1/4" 7 Metres c/w Footvalve	4	060-386	

KA Suction Kits complete with plastic footvalve and plastic strainer. KA Max Kits complete with plastic footvalve and plastic strainer. Both kits have plastic nipple to connect to the pump.



KA SUCTION KIT

GARDEN PUMPS

NINPHAEA MINI FOUNTAIN PUMPS

E

MODEL	LH/HM	WATT	CODE	PRICE
700	700/1.45	13	010-040	
1100	1100/1.90	20	010-050	
2500	2500/2.35	45	010-060	
3800	3800/2.60	75	010-070	
5000	4800/3.70	95	010-090	

Approx Diameter & Height of Water Features

MODEL	Fig 1 (H1/Ø cm)	Fig 2 (H1/H2/Ø cm)	Fig 3 (H1/H2/H3/Ø cm)	Fig 4 (Ø cm)	Fig 5 (H/Ø cm)
700	90/102	-	-	19	13/27
1100	73/86	105/75/90	-	35	-
2500	82/86	170/110/138	141/102/92/132	79	-
3800	155/210	210/180/250	208/125/113/155	75	-
5000	170/235	245/180/250	208/140/125/180	90	-

Applications – For ponds and filters, designed for private leisure purposes in garden ponds for example. Unsuitable for prolonged industrial type use.

Model 700 is for fountain use only. Models 1100-5000 can be used as fountains and/or to filter systems. Maximum submersion depth 3 metres.

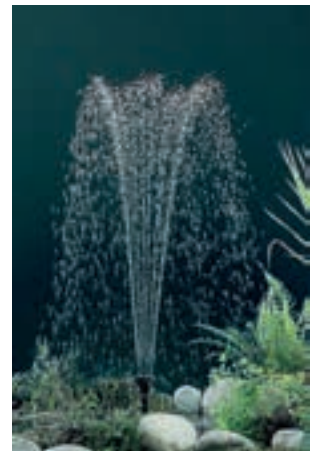


Fig 1 One Way

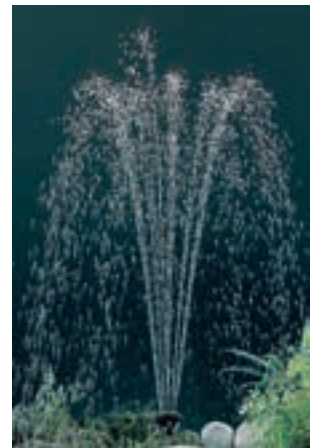


Fig 2 Two Way

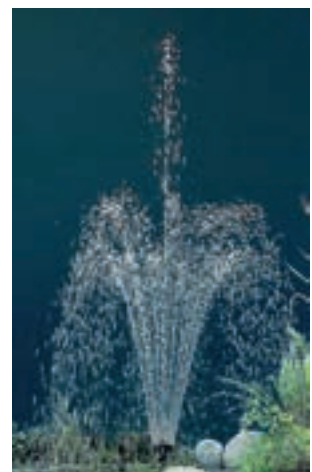


Fig 3 Three Way



Fig 4 Bell



Fig 5 Cone



ECO DOMESTIC LINE

PERIPHERAL PUMPS

A

MODEL	KG	H x W x L	LM/HM	kW	CODE	PRICE
LEO XKM60	6.2	152 x 130 x 260	40/40	0.37	LEO XKM60	
LEO XKM80	9.0	180 x 140 x 295	60/70	0.75	LEO XKM80	
LEO APSM37	7.2	235 x 170 x 239	40/28	0.37	LEO APSM37	

Peripheral turbine pumps, made to develop high pressure with limited flow rates. Clean water only with a maximum temperature of 70°. Used mainly for water pressure boosting of small scale booster systems and washing systems. Pump impeller made of brass, pump body cast iron. APS version is self priming. 1" Female BSP inlet/outlets.



LEO XKM60

LEO APSM37

SUBMERSIBLE VORTEX – PLASTIC

A

MODEL	KG	H x W x L	LM/HM	kW	CODE	PRICE
XKS-400PW	4.8	332 x 158 x 213	150/5.5	0.4	LEO XKS 400PW	

Suitable for light duty drainage, clean and black water drainage in ponds, sumps etc. Mechanical seal. Complete with 10 metres of power cable. Maximum submersion depth 7m. Not suitable for continuous use in fishponds or permanent installations.



LEO XKS 400PW

SUBMERSIBLE VORTEX – STAINLESS STEEL

A

MODEL	KG	H x W x L	LM/HM	kW	CODE	PRICE
XKS-1000SW	8.6	355 x 170 x 215	250/10.5	1.0	LEO XKS 1000SW	

Applications include waste water transfer, light sewage, dirty water. Complete with float switch. 10 metres of power cable. Not suitable for continuous use in fishponds or permanent installations.



LEO XKS 1001SW

SUBMERSIBLE MULTISTAGE

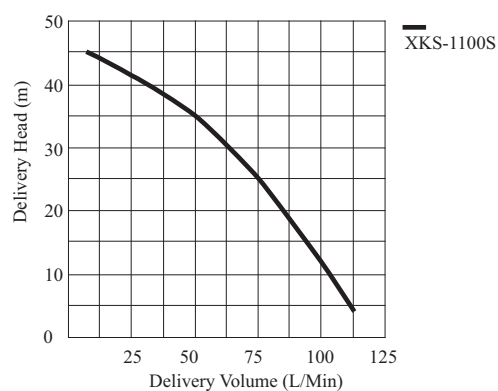
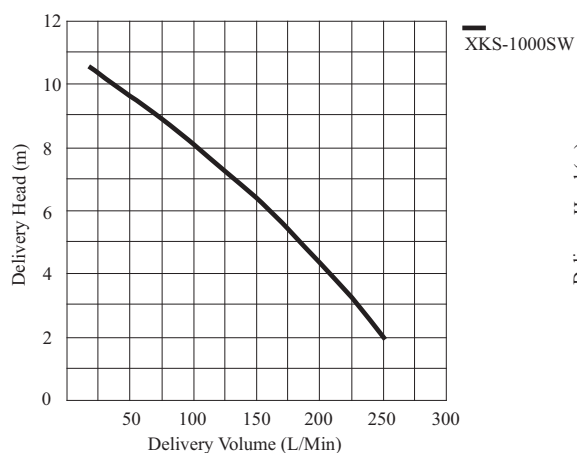
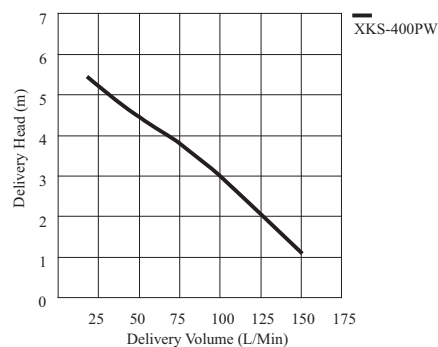
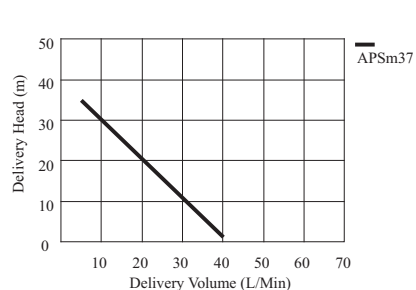
A

MODEL	KG	H x W x L	LM/HM	kW	CODE	PRICE
XKS-1100S	11	428 x 150 x 170	94/48	1.1	XKS 1100S	

Suitable for use in traditional wells, water deposits and collection tanks. Main uses include water supply for garden irrigation. Not suitable for continuous use in fishponds or permanent installations.



LEO XKS 1100S



ECO DOMESTIC LINE

LEO SUBMERSIBLE WATER BUTT PUMP

A

MODEL	KG	H x W x L	LM/HM	kW	CODE	PRICE
XKS-304P	4	406 x 178 x 178	37/11	0.3	LEO XKS 304P	

Submersible water butt pump ideal for garden irrigation. Easily connect a hosepipe to the snap on connector. 10 metres of power cable. Supplied with aluminium swan neck extension pipe.

WATER BUTT
PUMP XKS-304P

JET PUMP 230v

A

MODEL	KG	H x W x L	LM/HM	kW	CODE	PRICE
XKJ-800P	8	184 x 174 x 360	60/40	0.8	LEO XKJ 800P	

Self-priming jet pump complete with handle and 4 Metres of power cable. Plastic pump body, impeller and diffuser/venturi system. Clean water only with a maximum temp of 50°C. Maximum suction height of 7 metres with footvalve.



LEO XKS 1001SW

SINGLE PUMP BOOSTER C/W MILD STEEL TANK

A

MODEL	KG	H x W x L	LM/HM	kW	CODE	PRICE
LKJ-800PA5	10	470 x 260 x 510	55/35	0.8	LEO LKJ 800PA5	

Self-priming single pump complete with pressure switch guage and accumulator vessel. Designed to boost the pressure of the water supply and deliver the correct amount of water to outlets. The pre-set pressure switch enables it to automatically start and stop the pump.



SINGLE PUMP BOOSTER
LKJ-800PA5

4" SUBMERSIBLE PROGRESSIVE CAVITY PUMP 230v

A

MODEL	KG	H x W	LM/HM	kW	CODE	PRICE
4DWGM-1.2/50	9	540 x 98	25/94	0.37	LEO 4DWGM 1.2	
4DWGM-1.8/100	13	550 x 98	45/190	1.1	LEO 4DWGM 1.8	

For water supply from wells or reservoirs, domestic use, for garden use and irrigation. Screw rod type impeller/shaft. Maximum immersion 15 metres. 1" Female BSP outlet. Complete with 10 Metres of power cable and capacitor/overload control box. Mostly of a stainless steel construction. Shaft made of stainless steel AISI304. Mechanically sealed.



4DWG

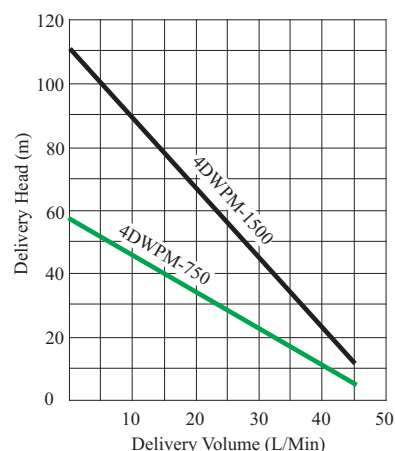
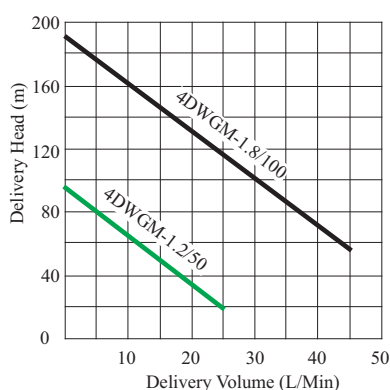
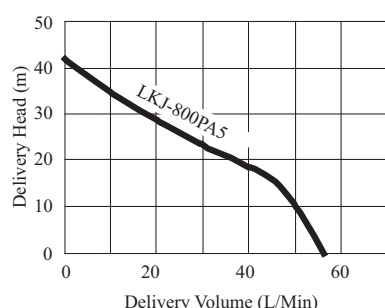
4DWPM

4" SUBMERSIBLE PERIPHERAL TURBINE 230v

A

MODEL	KG	H x W	LM/HM	kW	CODE	PRICE
4DWPM-750S	10	436 x 98	45/57	0.75	LEO 4DWPM 750S	
4DWPM-1500S	14	529 x 98	45/110	1.5	LEO 4DWPM 1500S	

For water supply from wells or reservoirs, domestic use, for garden use and irrigation. Peripheral turbine type impeller. Maximum immersion 50 metres. 1½" Female BSP outlet. Complete with 10 Metres of power cable and capacitor/overload control box. Mostly of a stainless steel construction, cast pump body and cover. Mechanically sealed.



WASTE & DRAINAGE

SUPERSUB

C

MODEL	Kg	H x W x L mm	LM/HM	W	CODE	PRICE
SUPERSUB 150VA	4.6	320 x 158 x 260	150/6.5	275	STU-46538	
SUPERSUB 250VA	5.4	320 x 158 x 260	250/8.5	508	STU-46539	
SUPERSUB 230A	5.7	320 x 158 x 260	250/8.0	466	STU-46540	



SUPERSUB 250VA

SUPERVORT

C

MODEL	Kg	H x W x L mm	LM/HM	W	CODE	PRICE
SUPERVORT 140A	5.0	334 x 158 x 260	150/5.0	320	STU-46541	
SUPERVORT 240A	5.1	334 x 158 x 260	240/7.0	513	STU-46542	



SUPERSUB 230A



SUPERVORT 240A

The Supersub and Supervort models are designed for the transference of non foul water and are suitable for use with both clean and grey water. The entire range feature stainless steel motor shells, are compact in design, easy to install and come with float switches. 1½" Female outlet, complete with stepped hose connector (25mm, 32mm, 38mm). Supersub VA models are complete with integral float switch. Approximate on level at 150mm and off level 75mm. Other automatic models have an externally fitted float switch. Plastic impellers and double lip sealed. 10 metre power cable.

DIVER PUMPS

C

MODEL	Kg	H x W x L mm	LM/HM	W	CODE	PRICE
DIVER 35	8.5	350 x 164 x 164	85/33	774	STU-46585	
DIVER 45	9.2	350 x 164 x 164	95/42	1012	STU-46586	
DIVER 35 BOOSTAMATIC	9.7	350 x 164 x 164	85/33	774	STU-46611	
DIVER 45 BOOSTAMATIC	10.4	350 x 164 x 164	95/42	1012	STU-46412	

Diver pumps are ideal for applications where pressure is needed such as sprinklers or pumping up to storage tanks. Diver pumps are suitable for clean water only. All Diver pumps include externally fitted float switches, 1" female outlet and 25mm hose connector. Boostamatic options are supplied with a control module, located remotely, to provide automatic control. Carbon ceramic mechanical seal. 15 metre power cable



DIVER 35

STUART TURNER



DIVER BOOSTAMATIC

All data sheets, flow curves can be found at www.stuart-turner.co.uk

PRESSURE BOOSTING SYSTEMS

MONSOON EXTRA UNIVERSAL SINGLE

C

MODEL	Kg	H x W x L mm	LM/HM	kW	CODE	PRICE
U2.6 BAR SINGLE	14	272 x 155 x 394	120/25	0.78	STU-46593	
U3.6 BAR SINGLE	15.9	272 x 155 x 418	120/37	1.13	STU-46594	
U5.0 BAR SINGLE	19.9	297 x 187 x 469	120/50	1.63	STU-46595	

The Monsoon Extra Universal single pump is designed for use in larger domestic and light commercial applications. Installed into an open vented hot or cold water system, where the outlets are either above or below the level of the cold water cistern.

MONSOON EXTRA PRESSURE SET

C

MODEL	Kg	H x W x L mm	LM/HM	kW	CODE	PRICE
2.6 BAR PS	20.3	602 x 300 x 541	120/25	0.77	STU-46601	
3.6 BAR PS	22.3	602 x 300 x 541	120/37	1.13	STU-46602	

The Monsoon Extra Pressure Sets are designed to meet the system demands in larger domestic and light commercial applications. The Monsoon Extra pump is mounted on to a 24 litre diaphragm tank providing a buffer of pressurised stored water. Ideally suited to boost stored cold water supplies to un-vented hot water cylinders/combination boilers where there is low or no mains water supply.

MONSOON EXTRA UNIVERSAL SINGLE

C

MODEL	Kg	H x W x L mm	LM/HM	kW	CODE	PRICE
U1.4 BAR SINGLE	9.0	329 x 159 x 269	120/12	0.4	STU-46349	

The Monsoon Extra Pressure Sets are designed to meet the system demands in larger domestic and light commercial applications. The Monsoon Extra pump is mounted on to a 24 litre diaphragm tank providing a buffer of pressurised stored water. Ideally suited to boost stored cold water supplies to un-vented hot water cylinders/combination boilers where there is low or no mains water supply.

MONSOON EXTRA STANDARD SINGLE

C

MODEL	Kg	H x W x L mm	LM/HM	kW	CODE	PRICE
S1.4 BAR SINGLE	6.9	269 x 133 x 279	120/12	0.4	STU-46387	

The Monsoon Extra Standard Single pump is designed for use in larger domestic and light commercial applications. Installed into an open vented hot or cold water systems where the outlets are below the level of the cold water cistern.

FLOW-MATE

C

MODEL	Kg	H x W x L mm	MAX LM	kW	CODE	PRICE
FLO-MATE	5.75	291 x 159 x 271	12	0.5	STU-46574	

Flo-mate offers a simple solution to boost mains water pressure without the need for a cold water break tank and is designed to be connected directly to the incoming mains. Flo-mate is fully WRAS approved and operates within the current UK Water Regulations.

Application:- At times when there is insufficient mains water pressure Flo~mate is designed to ensure that the pump will deliver an additional 1.5 bar to any existing mains pressure at a maximum flow rate of 12 l/min, meeting the requirements of most combination boilers. The pump also features a built-in bypass, meaning that when the mains pressure exceeds 1.5 bar, the additional performance is not restricted. The pump will automatically start when a flow rate of 0.6 l/min or more exists. The following ancillary items must be fitted to complete any installation (not supplied with the Flo-mate pump). Type EC - verifiable double check valve Pressure regulator (set at 3.0 bar) 2 off G ¾ > 22 mm full bore isolating valves Pressure relief valve (set to 6.5 bar) Plumbing fittings.

All data sheets, flow curves can be found at www.stuart-turner.co.uk

**monsoon
extra**



Monsoon Extra Universal Single



Monsoon Extra Pressure Set



Monsoon Extra Universal



Monsoon Extra Standard Single

flo~mate



Monsoon Mains Booster

PRESSURE BOOSTING SYSTEMS

CHM – BASE UNIT

C

MODEL	Kg	H x W x L mm	LM/HM	kW	CODE	PRICE
CHM 160-30	11	190 x 155 x 360	140/25	0.85	STU-46613	
CHM 160-40	13	190 x 155 x 384	160/38	1.18	STU-46614	
CHM 160-50	17	210 x 187 x 431	160/50	1.64	STU-46615	
CHM 160-60	19	210 x 187 x 456	160/62	1.96	STU-46616	

CHM – AUTOMATIC FLOW SWITCH

C

MODEL	Kg	H x W x L mm	LM/HM	kW	CODE	PRICE
CHM 160-30 FL	12	190 x 153 x 360	130/25	0.85	STU-46603	
CHM 160-40 FL	13	190 x 153 x 384	140/38	1.21	STU-46604	
CHM 160-50 FL	18	210 x 186 x 431	140/50	1.64	STU-46605	
CHM 160-60 FL	20	210 x 186 x 456	140/62	1.98	STU-46606	

CHM – BOOSTERMATIC PRESSURE SWITCH

C

MODEL	Kg	H x W x L mm	LM/HM	kW	CODE	PRICE
CHM 160-30 B	13	199 x 155 x 360	130/25	0.8	STU-46607	
CHM 160-40 B	15	199 x 155 x 384	140/38	1.19	STU-46608	
CHM 160-50 B	19	318 x 187 x 431	140/50	1.65	STU-46609	
CHM 160-60 B	21	318 x 187 x 456	140/62	1.98	STU-46610	

CHM Range. Centrifugal horizontal multistage pumps. The CHM range of brass and stainless steel pumps provide a high quality and reliable solution for applications that require high flow rates and high heads. The range includes Automatic Flow Switch and Boostermatic Pressure Switch versions. 2-5 stage pumps are available providing flow rates of up to 160 litres/minute and heads up to 62 metres. Pump connection sizes : Inlet G1½ Female, Outlet G1½ Female. Suitable for hot and cold water pumping. Model FL is for use in positive head applications, Model B is for use in either positive or negative head applications.

KENNET

C

MODEL	Kg	H x W x L mm	LM/HM	kW	CODE	PRICE
K7-2	6.1	170 x 131 x 242	130/9	0.23	STU-46372	
K9-2	6.3	170 x 131 x 242	160/9	0.33	STU-46374	
K12-2	8.2	170 x 131 x 277	210/14	0.59	STU-46379	

Kennet range of centrifugal pumps are designed for liquid transfer, pressure boosting or distribution of clean, fresh water. Other clean, non aggressive, non explosive liquids with similar characteristics to water may be pumped. 1" Female connections.

KENNET AUTOMATIC FLOW SWITCH

C

MODEL	Kg	H x W x L mm	LM/HM	kW	CODE	PRICE
KLF9-2	6.5	231 x 133 x 242	130/9	0.26	STU-46384	
KLF12-2	6.5	231 x 133 x 242	160/14	0.49	STU-46385	

Ideal for the pressurisation of water to outlets in a positive head application. 1" Female connections.

KENNET BOOSTERMATIC PRESSURE SWITCH

C

MODEL	Kg	H x W x L mm	LM/HM	kW	CODE	PRICE
K7-2 Boostermatic	8.9	302 x 159 x 242	130/14	0.45	STU-46525	

Designed to provide a pressurised water supply from a break tank in either positive or negative head application, as it does not rely on gravity flow to activate.

All data sheets, flow curves can be found at www.stuart-turner.co.uk

STUART TURNER



CHM Base Unit



CHM – Automatic Flow Switch



CHM Boostermatic



Kennet



Kennet Auto Flow Switch



Kennet Boostermatic

SURFACE MOUNTED PUMPS

JET – BASE UNIT

C

MODEL	Kg	H x W x L mm	LM/HM	kW	CODE	PRICE
JET 55-45	8.0	238 x 217 x 341	55/45	0.7	STU-46587	
JET 80-45	10.2	238 x 224 x 368	80/45	0.9	STU-46588	

Ideal for the high pressure delivery of clean non-potable water from a water tank / cistern. Jet pumps will self prime (once pump body has been primed with water) up to 5 metres and are supplied with a carry handle, a manual on/off switch and power lead fitted with a 13 amp fused plug.

JET – BOOSTERMATIC

C

MODEL	Kg	H x W x L mm	LM/HM	kW	CODE	PRICE
JET 55-45 B	9.4	322 x 207 x 341	55/45	0.6	STU-46619	
JET 80-45 B	11.5	322 x 214 x 368	80/45	0.9	STU-46618	

Jet Boostamatic pumps provide fully automatic pressure/flow switch control and are supplied with a power lead fitted and plug. Suitable for either a positive or negative head application.

JET PRESSURE SET

C

MODEL	Kg	H x W x L mm	LM/HM	kW	CODE	PRICE
JET 55-45 PS	16.2	654 x 290 x 537	55/45	0.6	STU-46617	
JET 80-45 PS	18.5	654 x 290 x 537	80/45	0.9	STU-46618	

Jet pressure set includes a 24 litre diaphragm tank providing a buffer of 12 litres of pressurised stored water and are supplied with a power lead fitted and plug.

Jet pumps provide a cost effective solution where high flow and high pressure is required and are ideal for a host of general purpose applications. Pump connections – Inlet G1" Female, Outlet G1" Female.

RG STAINLESS STEEL

C

MODEL	SEAL	Kg	H x W x L mm	LM/HM	kW	CODE	PRICE
RG 550-2	Nit/Car/Sil	6.3	180 x 126 x 241	38/40	0.5	STU-46455	
RG 550-2	Vit/Car/Sil	6.3	180 x 126 x 241	38/40	0.5	STU-46469	

Designed for continuous use, the stainless steel peripheral range is ideal for handling non abrasive liquids and is developed specially for beer, lager or cider dispensing. Also used for pumping demineralised water. 3/4" Male Inlet & Outlet.

RG BRASS

C

MODEL	SEAL	Kg	H x W x L mm	LM/HM	kW	CODE	PRICE
RG 4000	Nit/Car/Cer	4.6	170 x 126 x 201	34/30	0.3	STU-46443	
RG 4000	Nit/Car/Sil	4.6	170 x 126 x 201	34/30	0.3	STU-46444	
RG 4000	Vit/Car/Sil	4.6	170 x 126 x 201	34/30	0.3	STU-46445	
RG 6000	Nit/Car/Cer	5.2	170 x 126 x 201	44/42	0.5	STU-46495	
RG 6000	Nit/Car/Sil	5.2	170 x 126 x 201	44/42	0.5	STU-46447	
RG 6000	Vit/Car/Sil	5.2	170 x 126 x 201	44/42	0.5	STU-46448	

The RG range is suitable to pump clean, fresh water. Other clean non aggressive, non explosive liquids with similar characteristics to water may be pumped. 3/4" Female Inlet & Outlet. Various seals for different applications.

RG AUTOMATIC FLOW SWITCH

C

MODEL	SEAL	Kg	H x W x L mm	LM/HM	kW	CODE	PRICE
RG FL 4000	Nit/Car/Cer	5.1	200 x 126 x 201	32/30	0.29	STU-46522	
RG FL 6000	Nit/Car/Cer	5.7	200 x 126 x 201	42/40	0.4	STU-46530	

Ideal for the pressurisation of water to outlets in a positive head application, where an instant boosted supply is required from a simple to install package. For pumping hot or cold water. 3/4" Female Inlet & Outlet.

All data sheets, flow curves can be found at www.stuart-turner.co.uk

STUART TURNER



JET



JET Boostermatic



JET Pressure Set



RG Stainless Steel



RG Brass



RG Auto Flow Switch

PRESSURE BOOSTING SYSTEMS

ES BRASS PUMPS

C

MODEL	SEAL	KG	H x W x L	LM/HM	kW	CODE	PRICE
ES 4000	Nit/Car/Cer	5.2	170 x 126 x 232	32/30	0.36	STU-46449	
ES 4000	Nit/Car/Sil	5.2	170 x 126 x 232	32/30	0.36	STU-46450	
ES 4000	Vit/Car/Sil	5.2	170 x 126 x 232	32/30	0.36	STU-46451	
ES 6000	Nit/Car/Cer	5.8	170 x 126 x 232	40/42	0.56	STU-46452	
ES 6000	Nit/Car/Sil	5.8	170 x 126 x 232	40/42	0.56	STU-46453	
ES 6000	Vit/Car/Sil	5.8	170 x 126 x 232	40/42	0.56	STU-46454	

The ES range is suitable to pump clean, fresh water. Other clean non aggressive, non explosive liquids with similar characteristics to water may be pumped. 1" Female Inlet & Outlet. Various seals for different applications.

ES AUTOMATIC FLOW SWITCH

C

MODEL	SEAL	KG	H x W x L	LM/HM	kW	CODE	PRICE
ES FL 4000	Nit/Car/Cer	5.6	220 x 126 x 232	32/30	0.32	STU-46521	
ES FL 6000	Nit/Car/Cer	5.9	220 x 126 x 232	40/42	0.4	STU-46520	

Ideal for the pressurisation of water to outlets in a positive head application, where an instant boosted supply is required from a simple to install package. For pumping hot or cold water. 1" Female Inlet & Outlet.

ES BOOSTAMATIC PRESSURE SWITCH

C

MODEL	SEAL	KG	H x W x L	LM/HM	kW	CODE	PRICE
ES Boostermatic 4000	Nit/Car/Cer	7.1	292 x 132 x 232	32/30	0.32	STU-46523	
ES Boostermatic 6000	Nit/Car/Cer	7.1	292 x 132 x 232	40/42	0.45	STU-46524	

This range has been designed to provide a pressurised water supply from a break tank and does not rely on gravity flow to activate. For pumping hot or cold water. 1" Female Inlet & Outlet.

SHOWERMATE ECO SINGLE & TWIN PUMPS

C

MODEL	KG	CODE	PRICE
S2.0 BAR SINGLE	3.2	STU-46503	
S1.5 BAR TWIN	4	STU-46502	
S2.0 BAR TWIN	4	STU-46500	

Eco pumps are designed to improve vented water supplies to single taps or to pump blended water from a shower mixer. Twin pumps are designed to boost the vented incoming hot and cold water supply to an individual shower, bath, shower mixer or mixer tap. Units are suitable for positive head applications only.

SHOWERMATE UNIVERSAL PUMPS

C

MODEL	KG	CODE	PRICE
U2.6 BAR SINGLE	5.3	STU-46534	
U1.8 BAR TWIN	6.6	STU-46532	
U2.6 BAR TWIN	7.4	STU-46533	

Universal single pumps used to boost a single water supply as required. Twin pumps designed to boost the vented incoming hot and cold water supply to an individual shower, bath, shower mixer or mixer tap. Single and twin pumps suitable for both positive and negative head applications. Domestic use only.

SHOWERMATE STANDARD PUMPS

C

MODEL	KG	CODE	PRICE
S2.6 BAR SINGLE	4.2	STU-46429	
S1.8 BAR TWIN	4.9	STU-46407	
S2.6 BAR TWIN	5.8	STU-46431	

Standard single and twin pumps are designed to boost the incoming vented water supply to an individual shower, bath, shower mixer or mixer tap. Suitable for positive head applications only.

All data sheets, flow curves can be found at www.stuart-turner.co.uk

**STUART
TURNER**


ES 6000 Brass Pump



ESFS 4000-6000



ES Boostermatic 4000-6000

**showermate
eco**


Showermate Eco Single

showermate


Showermate Universal Twin



Showermate Standard Twin

PRESSURE BOOSTING SYSTEMS

MONSOON UNIVERSAL TWIN PUMPS

C

MODEL	KG	CODE	PRICE
U1.5 BAR TWIN	9.2	STU-46505	
U2.0 BAR TWIN	9.2	STU-46480	
U3.0 BAR TWIN	10.4	STU-46410	
U4.0 BAR TWIN	12.5	STU-46411	
U4.5 BAR TWIN	13.3	STU-46412	

Universal twin pumps are designed for installation into vented systems to pump both the hot and cold water supplies - boosting both equally. Suitable for both positive and negative head duties



Monsoon Universal Twin

MONSOON UNIVERSAL SINGLE PUMPS

C

MODEL	KG	CODE	PRICE
U2.0 BAR SINGLE	7.8	STU-46498	
U3.0 BAR SINGLE	7.8	STU-46413	
U4.5 BAR SINGLE	8.4	STU-46414	

Universal single pumps can be used in pairs to boost vented systems to pump hot and cold water supplies independently, or as a single pump to boost a water supply as required. Suitable for both positive and negative head applications.



Monsoon Universal Single

MONSOON STANDARD TWIN PUMPS

C

MODEL	KG	CODE	PRICE
S1.5 BAR TWIN	8.4	STU-46506	
S2.0 BAR TWIN	8.4	STU-46415	
S3.0 BAR TWIN	8.7	STU-46416	
S4.0 BAR TWIN	10.7	STU-46417	
S4.5 BAR TWIN	11.4	STU-46418	

Standard twin pumps are designed for installation into vented systems to pump both the hot and cold water supplies - boosting both equally. Suitable for positive head applications only.



Monsoon Standard Twin

MONSOON STANDARD SINGLE PUMPS

C

MODEL	KG	CODE	PRICE
S2.0 BAR SINGLE	6.5	STU-46497	
S3.0 BAR SINGLE	6.5	STU-46419	
S4.5 BAR SINGLE	7.1	STU-46420	

Standard single pumps are ideal for boosting a water supply in vented systems. Suitable for positive head applications only.



Monsoon Standard Single

STUART TURNER

All data sheets, flow curves can be found at www.stuart-turner.co.uk

WASTE PUMPING UNITS

WASTEFLO			C
MODEL	Kg	CODE	PRICE
SWP ASSY + 52mm SHOWER TRAY GULLY	6.8	STU-46600	
SWP ASSY + 90mm SHOWER TRAY GULLY	6.8	STU-46599	
SWP ASSY + SHEET VINYL FLOOR GULLY	6.8	STU-46598	
SWP ASSY + TILED FLOOR GULLY	6.8	STU-46597	

STUART TURNER

wasteflo

When gravity flow is insufficient Wasteflo's shower waste pump and auto gullies offer the perfect solution to quietly remove waste water from any shower, wet room or level access bathroom. Wasteflo shower waste and auto gullies are supplied complete with each of the following components: control module, variable speed pump and cover, offering all you need for a variety of showering applications.



Variable Speed Pump.

Non-handed pump to ease installation. Simple push fit onto wall bracket. Complete with non-return valves. 22mm inlet and outlet. Extracts up to 12 litres/minute. Pumps up to 1m vertically and 4m horizontally

Wasteflo SWP assembly with 52mm shower trap gully.

Suitable for use with a traditional step in shower tray. Extracts up to 9 litres/minute. The gully is 52mm in diameter and 90mm deep



Wasteflo SWP assembly with 90mm shower trap gully.

Suitable for use with a low level shower tray. Extracts up to 12 litres/minute. The gully is 90mm in diameter and 77mm deep



Control Module.

Senses flow rates and adjusts pump accordingly using 'smart' technology. Pre-programmed to provide a final system purge leaving the shower area drained. Safety Extra Low Voltage Transformer 230AC – 24v DC supply. IP55 Rated

Wasteflo SWP assembly with tiled floor gully.

Suitable for use in wet room environments. Extracts up to 12 litres/minute. The gully is 116mm in diameter and 83mm deep



Cover.

White high gloss. Easy clean. Easy fit.



Wasteflo SWP assembly with sheet Vinyl floor gully.

Suitable for use with level access flooring. Extracts up to 12 litres/minute. The gully is 116mm in diameter and 83mm deep.

All data sheets, flow curves can be found at www.stuart-turner.co.uk

WASTE PUMPING UNITS

WASTEFLLO						C
MODEL	Kg	WASTE WATER	SEWAGE WASTE	POWER	CODE	PRICE
WC2	9.3	YES	YES	0.5kW	STU-46575	
WC3	9.5	YES	YES	0.5kW	STU-46576	
LS5	8.9	YES	NO	0.46kW	STU-46577	

WC2 Macerator, ideal for converting almost any area into a simple cloakroom with a toilet and a basin. WC3 Macerator, super slim design, ideal for transforming almost any area into a complete bathroom or en-suite, with a toilet, basin, shower or even a bidet. Wasteflo LS5 lifting station allows you to create a shower room, kitchen or utility room almost anywhere. A shower, basin, sink, washing machine and dishwasher can all be connected. LS5 for Grey Water only – this unit does not macerate.

STUART
TURNER



WASTEFLOW WC2

WASTEFLOW WC3
Slimfit



WASTEFLOW LS5



WASTEFLOW WC3
exploded assembly

WASTEFLOW LS

WASTEFLOW WC



All data sheets, flow curves can be found at www.stuart-turner.co.uk

FLOOD PROTECTION

FLOODSAX – THE SANDLESS SANDBAG

A

MODEL	Kg	CODE	PRICE
FLOODSAX (pack of 5)	1	FLOODSAX 20	

Manage all flood and water damage events in any situation. Carry to the required location, take out of the bag, soak up the spilled water or use the flood-water to energise the bag and then stack if required. No tools required, will work in doorways of all sizes, you can build walls up to a metre high, you can also soak up water and divert water flow. Five vacuum packed bags weigh just over 1 kilo.

Floodsax® absorb 20 litres of water in just over three minutes weighing 20 kilo's. Biodegradable and so can be disposed of in landfill sites. Easy to store and are vacuum packed to save even more room. Floodsax last for 5 years in storage.



Before 3min soak
(0.2kg) H 2cm W 45cm D 50cm



After 3min soak
(20-23kg) H 15cm W 42cm D 46cm



FloodSax® can even be put down the toilet to contain overflow and dirty water.



20 **Floodsax®** can be stored in a box and can be deployed in minutes to protect your business or home from flood water

FLOOD PROTECTION

FLOODBOX PUMPING KITS

A

MODEL	Kg	PUMP	BOX SIZE mm	CODE	PRICE
FLOODBOX 1	9.5	Simer Submersible 230v	350 x 420 x 620	FLOODBOX 1	
FLOODBOX 2	20	SEH25 Engine Pump	350 x 420 x 620	FLOODBOX 2	
FLOODBOX 3	26	RSD Residue Pump 230v	350 x 420 x 620	FLOODBOX 3	
FLOODBOX 4	24	PXL Residue Pump 230v	350 x 420 x 620	FLOODBOX 4	
FLOODBOX 5	28	Ponstar PB Pump 230v	350 x 420 x 620	FLOODBOX 5	

Floodbox pumping kits are ideal for defending properties – both domestic and commercial – in the event of flooding. Complete with water pump, electric or engine driven, quick fit hoses, floodsax and easy carry cage basket which can be used to filter out debris and leaves. These pumping kits are ready to use. (Engine pump will require oil for engine and petrol before use, electric pumps will require a power source, mains electricity or a generator).

Floodbox 1 SIMER 1 x Simer 230v submersible low level pump, 20 metres of 1" layflat hose both fitted with quick release cam fittings, 5 x Floodsax. For full data on pump see page 226.

Floodbox 2 SEH25 1 x SEH25 Honda powered engine pump, 5 metres of suction hose with footvalve, 20 metres of layflat discharge hose all fitted with quick release cam fittings, 5 x Floodsax. For full data on pump see page 60.

Floodbox 3 RSD 1 x RSD Residue 230v submersible low level pump, 20 metres of 1" layflat hose both fitted with quick release cam fittings, 5 x Floodsax. For full data on pump see page 12.

Floodbox 4 PXL 1 x PXL Residue 230v submersible low level pump, 20 metres of 1" layflat hose both fitted with quick release cam fittings, 5 x Floodsax. For full data on pump see page 13.

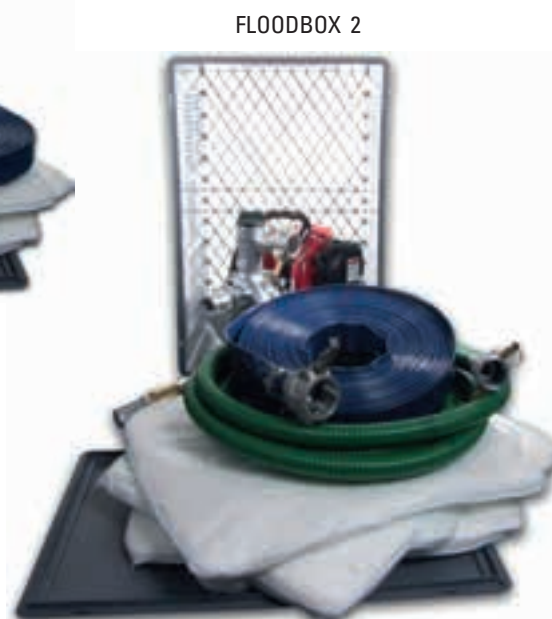
Floodbox 5 PB 1 x Ponstar PB 230v submersible, 20 metres of 2" layflat hose both fitted with quick release cam fittings, 5 x Floodsax. For full data on pump see page 15.



FLOODBOX 1



FLOODBOX 3



FLOODBOX 2



FLOODBOX 4



FLOODBOX 5

ELECTRIC MOTORS

SINGLE AND THREE PHASE METRIC MOTORS B3, B5 AND B14



Model B3



Model B5



Model B14

SINGLE PHASE PERMANENT CAPACITOR 2800 RPM 230v 50Hz

D

Model/Code	kW	HP	RPM	AMP	uF	L x W x H	Shaft	KG	Price B3
MM 71 A2	0.37	0.5	2800	2.9	14	242 x 135 x 160	14mm	5.7	
MM 71 B2	0.55	0.75	2800	4.2	16	242 x 135 x 160	14mm	7.1	
MM 80 A2	0.75	1.0	2800	5.1	25	278 x 152 x 228	19mm	10.5	
MM 80 B2	1.1	1.5	2800	7.2	30	278 x 152 x 228	19mm	12	
MM 90 S2	1.5	2.0	2800	9.1	40	303 x 170 x 242	24mm	14	
MM 90 L2	2.2	3.0	2800	13	50	328 x 170 x 242	24mm	17.5	

SINGLE PHASE PERMANENT CAPACITOR 1400 RPM 230v 50Hz

D

Model/Code	kW	HP	RPM	AMP	uF	L x W x H	Shaft	KG	Price B3
MM 71 B4	0.37	0.5	1400	2.6	12.5	242 x 135 x 160	14mm	6.8	
MM 80 A4	0.55	0.75	1400	4.5	20	278 x 152 x 228	19mm	9	
MM 80 B4	0.75	1.0	1400	6.1	25	278 x 152 x 228	19mm	10.7	
MM 90 S4	1.1	1.5	1400	7.1	35	303 x 170 x 242	24mm	14	
MM 90 L4	1.5	2.0	1400	9.2	40	328 x 170 x 242	24mm	17	
MM 100 L4	2.2	3.0	1400	13.5	60	370 x 192 x 265	28mm	21.5	

THREE PHASE ELECTRIC MOTORS 2800 RPM 400v 50Hz

D

Model/Code	kW	HP	RPM	AMP	Voltage	L x W x H	Shaft	KG	Price B3
MT 71 A2	0.37	0.5	2800	0.98	220-400	242 x 135 x 180	14mm	5.7	
MT 71 B2	0.55	0.75	2800	1.4	220-400	242 x 135 x 180	14mm	7.1	
MT 80 A2	0.75	1.0	2800	2	220-400	278 x 152 x 202	19mm	7.6	
MT 80 B2	1.1	1.5	2800	2.4	220-400	278 x 152 x 202	19mm	6	
MT 90 S2	1.5	2.0	2800	3.2	220-400	303 x 170 x 214	24mm	12.5	
MT 90 L2	2.2	3.0	2800	4.5	220-400	328 x 170 x 214	24mm	15.3	
MT 100 L2	3.0	4.0	2800	6.4	220-400	370 x 192 x 236	28mm	19.8	
MT 112 M2	4.0	5.5	2800	8	220-400	388 x 220 x 262	28mm	28	
MT 132 SA2	5.5	7.5	2800	10.5	400-690	459 x 260 x 310	38mm	41.5	
MT 132 SB2	7.5	10	2800	13.8	400-690	459 x 260 x 310	38mm	44.5	
MT 160 MA2	11	15	2800	20.6	400-690	605 x 318 x 382	42mm	75	
MT 160 MB2	15	20	2800	27.4	400-690	605 x 318 x 382	42mm	86	

ELECTRIC MOTORS

THREE PHASE ELECTRIC MOTORS 1400 RPM 400v 50Hz

D

Model/Code	kW	HP	RPM	AMP	Voltage	L x W x H	Shaft	KG	Price B3
MT 71 B4	0.37	0.5	1400	1.06	220-400	242 x 135 x 180	14mm	6.6	
MT 80 A4	0.55	0.75	1400	1.6	220-400	278 x 152 x 202	19mm	9	
MT 80 B4	0.75	1.0	1400	2	220-400	278 x 152 x 202	19mm	10.6	
MT 90 S4	1.1	1.5	1400	2.7	220-400	303 x 170 x 214	24mm	12.6	
MT 90 L4	1.5	2.0	1400	3.4	220-400	328 x 170 x 214	24mm	14.7	
MT 100 LA4	2.2	3.0	1420	4.9	220-400	370 x 192 x 236	28mm	20	
MT 100 LB4	3.0	4.0	1400	6.5	220-400	370 x 192 x 236	28mm	21	
MT 112 M4	4.0	5.5	1400	8.2	220-400	388 x 220 x 262	28mm	31	
MT 132 S4	5.5	7.5	1400	11.6	400-690	459 x 260 x 310	38mm	43	
MT 132 MA4	7.5	10	1400	15.7	400-690	497 x 260 x 310	38mm	50.5	
MT 160 M4	11	15	1400	22.5	400-690	605 x 318 x 382	42mm	82	
MT 160 L4	15	20	1400	30.5	400-690	648 x 318 x 382	42mm	97	

LARGER MOTORS AVAILABLE ON REQUEST



Model B3



Model B5



Model B14

FLANGES

D

Flanges B5						Flanges B14					
Code	Frame	Dia	PCD	Holes	Price	Code	Frame	Dia	PCD	Holes	Price
FL71B5	71	160	130	9mm		FL71B14	71	105	85	M6	
FL80B5	80	200	165	11mm		FL80B14	80	120	100	M6	
FL90B5	90	200	165	11mm		FL90B14	90	140	115	M8	
FL100B5	100	250	215	14mm		FL100B14	100	160	130	M8	
FL112B5	112	250	215	14mm		FL112B14	112	200	165	M10	
FL132B5	132	300	265	14mm		FL132B14	132	250	215	M12	
FL160B5	160	350	300	18mm							

MOTOR STARTERS

PLASTIC CASED IP 65 D.O.L./N.V.R STARTERS

Code	Phase	Amp	Price	Code	Phase	Amp	Price
040-006	1	1.8 - 2.7		040-020	3	1.4 - 2.1	
040-007	1	2.4 - 3.6		040-021	3	1.8 - 2.7	
040-008	1	3.5 - 5.0		040-022	3	2.4 - 3.6	
040-009	1	4.0 - 6.0		040-023	3	3.5 - 5.0	
040-010	1	5.5 - 8.5		040-024	3	4.0 - 6.0	
040-011	1	8.5 - 12.5		040-025	3	5.5 - 8.0	
040-012	1	12.5 - 18		040-026	3	8.5 - 12.5	

GENERAL PURPOSE DRAINAGE / RESIDUE PUMP

SIMER SUBMERSIBLE RESIDUE PUMP

A

SIMER SIMO GEYSER 230 VOLT 50HZ WITH ANTI AIRLOCK

MODEL	KG	H x W x L mm	LM/HM	kW	AMP	CODE	PRICE
SIMER 230 V	4.5	245 x 160 x 160	80/6.0	0.4	1.0	020-100	

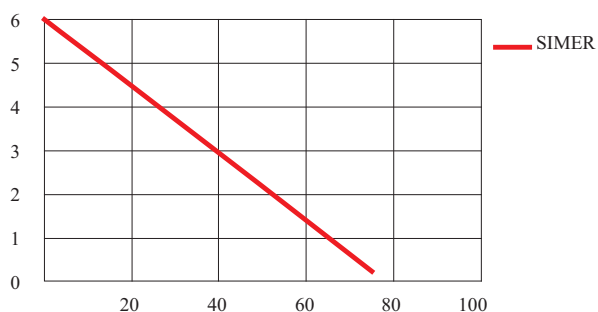
Simer Simo Geyser Pump

This oil-filled, thermally protected, low level suction pump with built-in anti-airlock valve, drains down to 3 mm and can be run partially submerged or fully submerged for use in applications from pool covers and gutters to floods and general drainage.



Simer 230 Volt 50Hz

- Multiway hose outlet supplied for 25 mm, 19 mm and 15 mm hoses
- Supplied with 10 m power lead
- Not recommended for ornamental pond use as it is oil filled
- Heavy duty aluminium construction maximises pump life
- Maximum pumping capacity to 4,800 litres per hour / (1,055 gallons per hour)
- Portable 400W pump can be used in a variety of areas: sumps, basements, rooftops and large flat areas
- Easy to use, lightweight and tough
- Manual pump only, not available in automatic



WASTE & DRAINAGE

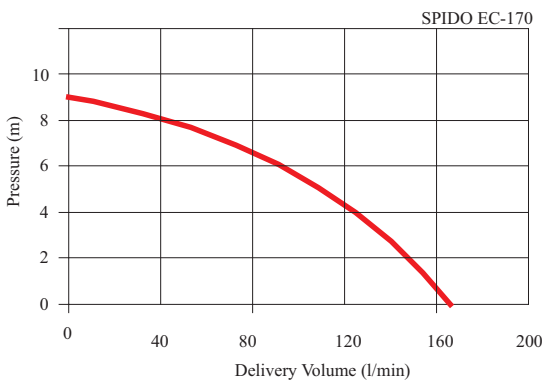
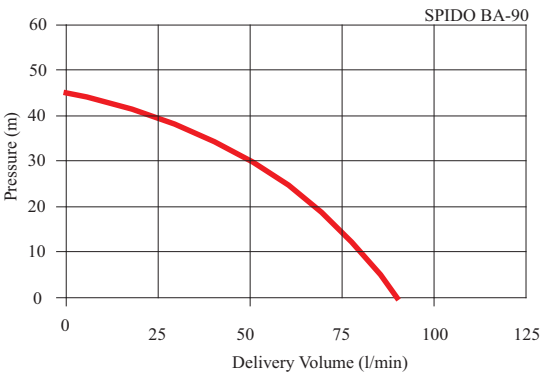
SPIDO SUBMERSIBLE PUMPS



MODEL	KG	LM/HM	kW	CODE	PRICE
SPIDO BA 90/5	11	90/45	1.1	TH 002508	
SPIDO EC 170	5	166/9	0.6	TH 002243	



Spido BA 90/5



Spido EC 170

COUPLING STORZ



(FEMALE) BSP		(MALE) BSP		(FEMALE) BSP	
2"	STORZ NOK66X2F	2"	STORZ NOK66X2M	2"	STORZ NOK66X2T
2"	STORZ NOK81X2F	2"	STORZ NOK81X2M	2"	STORZ NOK81X2T
3"	STORZ NOK81X3F	3"	STORZ NOK81X3M	3"	STORZ NOK81X3T

WASTE & DRAINAGE

UW400 SUBMERSIBLE PUMP WITH AGITATOR

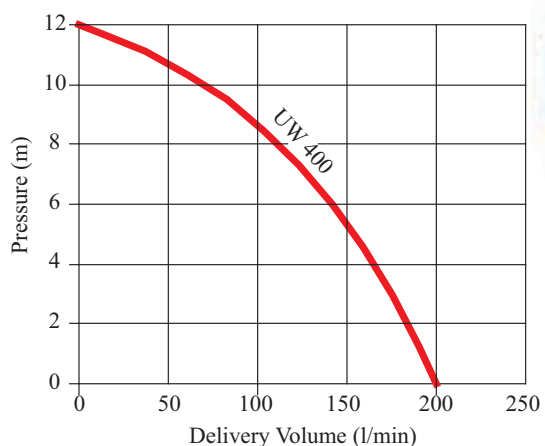
A

MODEL	VOLT	KG	H x W x L mm	P1	P2	LM/HM	kW	OUTLET	AMP	CODE	PRICE
UW-400 M	230V	18.0	370 x 230 x 230	0.60	0.40	200/12	0.40	2"	2.60	UW400	
UW-400 A	230V	18.0	370 x 230 x 230	0.60	0.40	200/12	0.40	2"	2.60	UW400A	
UW-400 MA	230V	18.0	370 x 230 x 230	0.60	0.40	200/12	0.40	2"	2.60	UW400AG	
UW-400 RE	230V	18.0	370 x 230 x 230	0.60	0.40	200/12	0.40	2"	2.60	UW400RE	

LM/HM	MODEL	VOLT	KG	H x W x L mm	P1	P2	kW	OUTLET	AMP	CODE	PRICE
WITH STORZ COUPLING NOK66											
UW-400	230V	18.0	343 x 215 x 215	0.60	0.40	200/12	0.40	2"	2.60	UW400KS	
UW-400	INCLUDING 10 METERS FLAT HOSE + STORZ + BOLT CLAMP									UW400CS	
UW-400	PUMP KIT		340 x 400 x 600	IN TRANSPORT BOX						UW400KIT	



- With agitator
- Polyurethane strainer and impeller



REKA2000 CAPACITATIVE LEVEL CONTROLLERS

A

MODEL	KG	H x W x L mm	VOLT	MAX	USES	CODE	PRICE
REKA2000ML	2	270 x 80 x 35	230	1.0 PH	EMPTY	REKA2000ML	
REKA2000MV	2	270 x 80 x 35	230	1.0 PH	FILLING	REKA2000MV	
REKA2000DC	2	270 x 80 x 35	12/24		EMPTY	REKA2000DC	
REKA2000PH	2	270 x 80 x 35	400	4KW	EMPTY	REKA2000PH	

