

WALL MOUNTED SPLIT AIR CONDITIONERS

**MARVIN SERIES**

MODEL			SIH+SOH-09BIM	SIH+SOH-12BIM	SIH+SOH-18BIM	SIH+SOH-24BIM	
Capacity cooling / heating 1)	Nominal (min-max)	kW	2,7 (0,8-3,8) / 3,0 (0,9-4,3)	3,5 (0,9-4,4) / 3,8 (0,9-4,7)	5,3 (0,9-6,3) / 5,4 (1,1-7,0)	7,1 (1,8-7,8) / 7,3 (1,5-9,4)	
Power supply		Hz / V	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240	
Power supply			outdoor	outdoor	outdoor	outdoor	
Power input cooling / heating 1)		W	670 / 680	989 / 977	1528 / 1393	2030 / 1870	
Maximal power input 2)		W	1400	1650	2350	3500	
Power current cooling / heating		A	3,1 / 3,2	4,4 / 4,4	7,2 / 6,3	9,0 / 9,3	
Maximal power current 2)		A	6,2	7,4	10,5	14,0	
Energy class cooling 3)			A+++	A++	A++	A++	
Pdesign cooling		kW	2,7	3,5	5,3	7,1	
SEER			8,5	7,2	7,3	7,0	
Annual power consumption		kWh / annum	111	170	254	355,0	
Energy class heating 3)	Aver. / Warm. / Cool.		A++ / A+++ / A	A+ / A+++ / B	A+ / A+++ / A	A+ / A+++ / A	
Pdesign heating	Average climate	kW	2,7	3,2	4,2	5,6	
SCOP	Average climate		4,6	4,1	4,2	4,3	
Annual power consumption	Average climate	kWh / annum	822	1093	1380	1823,0	
Air flow of ID	SH/MH/H/ML/ML/SL	m³ / h	610/570/540/470/440/420/390	680/620/560/490/450/420/390	1000/850/760/650/580/520/450	1000/850/760/580/520/450/400	
Airflow of OD	H	m³ / h	1950	1950	2200	3600	
Sound pressure level of ID at 1m 4)	SH/MH/H/ML/ML/SL	dB(A)	38/37/34/31/26/23/22/19	41/38/36/33/30/27/25/19	45/42/40/37/34/29/26/23	48/44/41/40/38/36/33/27	
Sound pressure level of OD at 1m 4)	H	dB(A)	50	52	56	59	
Sound power of ID 4)	SH/MH/H/ML/ML/SL	dB(A)	58/51/48/45/40/37/36	60/52/50/47/44/41/39	60/55/53/50/47/42/39	65/59/56/55/53/51/48	
Sound power of OD 4)	H	dB(A)	61	63	65	70	
Dehumidifying volume		l / h	0,8	1,4	1,9	2,4	
Refrigerant type / charge	Type / kg / t eq. CO <sub>2</sub>		R32 / 0,53 / 0,36	R32 / 0,57 / 0,38	R32 / 0,85 / 0,57	R32 / 1,40 / 0,94	
Additional refrigerant	g / m		16	16	16	40	
Pipe diameter - liquid side 5)	inch / mm		¼ / 6,0	¼ / 6,0	¼ / 6,0	¼ / 6,0	
Pipe diameter - gas side 5)	inch / mm		¾ / 9,5	¾ / 9,5	½ / 12,0	¾ / 16,0	
Max pipe length without additional refrigerant 6)		m	5	5	5	5	
Allowed pipe length 7)	min. / max.	m	3 / 15	3 / 15	3 / 25	3 / 25	
Max. elevation / Drop height		m	10	10	10	10	
Dimension of ID	w × h × d	mm	837 × 293 × 200	837 × 293 × 200	993 × 311 × 222	993 × 311 × 222	
Dimensions of outdoor unit	w × h × d	mm	732 × 555 × 330	732 × 555 × 330	802 × 555 × 350	958 × 660 × 402	
Package dimension of ID	w × h × d	mm	896 × 373 × 272	896 × 373 × 272	1055 × 385 × 298	1055 × 385 × 298	
Package dimensions of outdoor unit	w × h × d	mm	794 × 376 × 615	794 × 376 × 615	872 × 398 × 620	1032 × 456 × 737	
Weight of ID	netto / brutto	kg	9,5 / 11,5	9,5 / 11,5	12,5 / 15,0	13,0 / 15,5	
Weight of OD	netto / brutto	kg	25,0 / 27,5	25,5 / 28,0	31,5 / 34,0	45,0 / 49,5	
Set temperature range	cooling / heating	°C	16-30 / 8-30	16-30 / 8-30	16-30 / 8-30	16-30 / 8-30	
Operating temperature range cooling 8)		°C	-15-50	-15-50	-15-50	-15-50	
Operating temperature range heating 8)		°C	-25-30	-25-30	-25-30	-25-30	
<b>ADDITIONAL TECHNICAL INFORMATION</b>							
Screw holes distance of OD	w × d	mm	455 × 310	455 × 310	512 × 332	570 × 371	
Communication cable		mm <sup>2</sup>	4-wire cable *				
Recommended power cable		mm <sup>2</sup>	3 × 1,5	3 × 1,5	3 × 2,5	3 × 4,0	
Recommended air switch		A	13	13	16	20	
<b>EQUIPMENT</b>							
UV-C technology	indoor		✓	✓	✓	✓	
Plasma generator			✓	✓	✓	✓	
WiFi module			✓	✓	✓	✓	
Drain pump			-	-	-	-	
Max. lift (from bottom of ID unit)		mm		-	-	-	-
Door contact				✓	✓	✓	✓
Alarm contact			-	-	-	-	
Left-right guide louvres	outdoor		✓	✓	✓	✓	
Throttling method			Capillary	EXV	EXV	EXV	
Bottom chassis heater			Heating belt	Heating belt	Heating belt	Heating belt	
Crankcase heater			Preheating	Preheating	Preheating	Preheating	
Bottom plugs for OD				-	-	-	-
Drain pipe connector				✓	✓	✓	✓
<b>STANDARD ACCESSORIES</b>							
Standard health filter			SAF-OPWC4, SAF-OPWB4				
Remote controller (IR)			YBE1F				
Wired controller			-	-	-	-	
<b>OPTIONAL ACCESSORIES</b>							
Optional health filters			SAF-OPWA4, SAF-OPWK4, SAF-OPWM4, SAF-OPWP4, SAF-OPWS4				
Wired controller			SWC-02C, SWC-04C				
Central controller			SCC-36				
Other			G2S-T, SAI-01, SBG-01				

The specification of products is subject to change based on further development of the units by the producer and can be changed without prior notice. Refer to rating label.

R32 (single component refrigerant HFC), GWP of refrigerant used: 675. Contains fluorinated greenhouse gases covered by the Kyoto Protocol.

Explanatory notes on the very last page of the catalogue.

The device is being sold as a set (indoor + outdoor unit).

\* Cross-section of each wire must correspond to the IEC 60364