



- All values in the table are approximate.
- The declared values of the NL coefficient are determined according to DIN 4708 under the following conditions:
 - Water temperature entering inlet pipe of the appliance heat exchanger - 80 °C.
 - Cold water temperature entering the appliance - 10 °C.
 - Water heating temperature in the appliance - 60 °C.
- The heat-up time with the electric resistance heater is for actual capacity.

Note : Transformation of the coefficient of performance at different water temperatures in the tank:

- 65 °C - 1,0*NL
- 55 °C - 0,75*NL
- 50 °C - 0,55*NL
- 45 °C - 0,3*NL

HOT WATER STORAGE TANKS WITH HEAT EXCHANGERS, FOR INSTALLATION ON THE FLOOR [1]

TECHNICAL DATA

| Model | ... | FV20060S21 | FV30067S21 | FV50080S21 |
|--|----------------|------------|-----------------------|-----------------------|
| Volume group | ... | 200 | 300 | 500 |
| Energy efficiency class | ... | B | B | B |
| Standing loss heat | W | 52 | 51 | 76 |
| Rated pressure | MPa | 0,8 | 0,8 | 0,8 |
| Volume | L | 184 | 256 | 465 |
| Insulation thickness | mm | 75 | 85 | 80 |
| Gross weight | kg | 81 | 104 | 170 |
| HEAT EXCHANGERS (main heat) | | | | |
| Operating pressure | MPa | 1 | 1 | 1 |
| Maximum temperature of the heating fluid | °C | 110 | 110 | 110 |
| Maximum temperature in the tank heated by a heat exchanger. Unit without / with back-up immersion electric heater. | °C | 95 / 85 | 95 / 85 | 95 / 85 |
| Heat exchanger S1 | | | | |
| Surface area | m ² | 0,89 | 1,33 | 1,71 |
| Volume | L | 4,3 | 6,5 | 11,2 |
| NL [2] | ... | 3,6 | 8 | 14 |
| Continuous output according DIN 4708 | kW | 25 | 43 | 56 |
| Flow rate according DIN 4708 | L/min | 10 | 18 | 23 |
| Power according EN 12897 | kW | 17,3 | 22,5 | 23 |
| Heat-up time according EN 12897 | min | 24 | 24 | 57 |
| Pressure loss | mbar | 60 | 55 | 35 |
| Maximum amount of drained water MIX 40 °C according EN 12897 when the power S1 is off | L | 229 | 290 | 670 |
| Heat exchanger S2 | | | | |
| Surface area | m ² | 0,67 | 1,07 | 1,28 |
| Volume | L | 3,2 | 5,2 | 8,4 |
| NL [2] | ... | 2 | 3 | 4 |
| Continuous output according DIN 4708 | kW | 18 | 28 | 34 |
| Flow rate according DIN 4708 | L/min | 7,5 | 11,5 | 14 |
| Power according EN 12897 | kW | 14 | 19,5 | 21,5 |
| Heat-up time according EN 12897 | min | 28,5 | 25,5 | 45 |
| Pressure loss | mbar | 50 | 50 | 55 |
| Maximum amount of drained water MIX 40 °C according EN 12897 when the power S2 is off | L | 220 | 275 | 495 |
| ELECTRICAL PART (auxiliary heating) | | | | |
| Rated voltage | V | 0 / 230~ | 0 / 230~ / 400 3N~ | 0 / 230~ / 400 3N~ |
| Rated electrical power | kW | 0 / 3 | 0 / 3 / 6 / 9 | 0 / 3 / 6 / 9 |
| Time of heating with electric resistance heater up to 70°C [3] | min | --- / 230 | --- / 320 / 161 / 107 | --- / 570 / 285 / 190 |
| Maximum temperature in the tank of heated with electric resistance heater | °C | 75 | 75 | 75 |
| CONNECTIONS | | | | |
| 1: Hot water outlet | | G3/4 F | G3/4 F | G1 F |
| 2: Fresh water inlet - Drain | | G3/4 F | G3/4 F | G1 F |
| 3: Recirculation | | G3/4 F | G3/4 F | G3/4 F |
| 4: S1 - Feed | | G3/4 F | G3/4 F | G1 F |
| 5: S1 - Return | | G3/4 F | G3/4 F | G1 F |
| 6: S2 - Feed | | G3/4 F | G3/4 F | G1 F |
| 7: S2 - Return | | G3/4 F | G3/4 F | G1 F |
| 8: Socket for thermostat | | G1/2 F | G1/2 F | G1/2 F |
| 9: Thermometer | | Yes | Yes | Yes |
| 10: Flange with a heating element | | Yes | Yes | Yes |
| 11: Hot water outlet | | G3/4 F | G3/4 F | G1 1/4 F |
| DIMENSION | | | | |
| H | mm | 1430 | 1605 | 1765 |
| H1 | mm | 1170 | 1315 | 1425 |
| H2 | mm | 805 | 840 | 1000 |
| H3 | mm | 365 | 370 | 455 |
| H4 | mm | 210 | 210 | 265 |
| H5 | mm | 260 | 265 | 320 |
| H6 | mm | 910 | 1050 | 1105 |
| H7 | mm | 700 | 840 | 835 |
| D | mm | 600 | 670 | 800 |
| l | mm | 75 | 85 | 80 |
| W | mm | 690 | 760 | 890 |