



WATER HEATERS WITH ONE HEAT EXCHANGER, FOR INSTALLATION ON THE FLOOR [1]

TECHNICAL DATA

Model	...	FV15060S	FV20060S	FV30067S	FV50080S
Volume group	...	150	200	300	500
Energy efficiency class	...	B	B	B	B
Rated pressure	MPa	0.8	0.8	0.8	0.8
Volume	L	145	186	264	476
Insulation thickness	mm	75	75	85	80
Gross weight	kg	60	74	88	150

HEAT EXCHANGER (main heat)

Operating pressure	MPa	1	1	1	1
Maximum temperature of the heating fluid	°C	110	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	95 / 85
Surface area	m ²	0.67	0.90	1.12	1.85
Volume	L	3.2	4.3	5.4	12.2
NL [2]	...	---	3.6	8	15
Continuous output according DIN 4708	kW	---	25	35	58
Flow rate according DIN 4708	L/min	---	10	14	24
Power according EN 12897	kW	13.7	18.6	19.3	25
Heat-up time according EN 12897	min	21	28.8	39.4	54.9
Pressure loss	mbar	80	120	50	35
Maximum amount of drained water MIX 40 °C according EN 12897 when the power is off	L	158	286	406	699

ELECTRICAL PART (auxiliary heating)

Rated voltage	V	0 / 230~	0 / 230~	0 / 230~ / 400 3N~	0 / 230~ / 400 3N~
Rated electrical power	kW	0 / 3	0 / 3	0 / 3 / 6 / 9	0 / 3 / 6 / 9
Time of heating with electric resistance heater up to 70°C [3]	min	--- / 185	--- / 235	--- / 330 / 165 / 110	--- / 580 / 290 / 195
Maximum temperature in the tank of heated with electric resistance heater	°C	75	75	75	75

CONNECTIONS

1: Thermometer		Yes	Yes	Yes	Yes
4: Additional socket		G1 1/2 F	G1 1/2 F	G1 1/2 F	G1 1/2 F
5: S1 - Feed		G3/4 F	G3/4 F	G3/4 F	G1 F
6: S1 - Return		G3/4 F	G3/4 F	G3/4 F	G1 F
7: Flange with a heating element		Yes	Yes	Yes	Yes
8: Socket for thermostat		G1/2 F	G1/2 F	G1/2 F	G1/2 F
9: Fresh water inlet - Drain		G3/4 F	G3/4 F	G3/4 F	G1 F
10: Recirculation		G3/4 F	G3/4 F	G3/4 F	G3/4 F
11: Hot water outlet		G3/4 F	G3/4 F	G3/4 F	G1 F
12: Hot water outlet		G3/4 F	G3/4 F	G3/4 F	G1 1/4 F

DIMENSION

A	mm	210	210	210	265
B	mm	260	260	265	320
C	mm	660	855	840	1000
D	mm	600	600	670	800
G	mm	75	75	85	80
H	mm	1150	1430	1605	1765
I	mm	355	550	530	630
M	mm	690	690	760	890
P	mm	890	1155	1315	1425

1. All values in the table are approximate.

2. 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.

3. 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