



WATER HEATER WITH DOUBLE HEAT EXCHANGER, FOR INSTALLATION ON THE FLOOR [1]				
TECHNICAL DATA				
Model	...	FV20067D1	FV30067D1	FV50080D1
Volume group	...	200	300	500
Energy efficiency class	...	B	B	B
Rated pressure	MPa	0.8	0.8	0.8
Volume	L	182	249	441
Insulation thickness	mm	85	85	80
Gross weight	kg	89	121	192
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
Surface area	m ²	2.07	3.11	5.06
Volume	L	10	15	33.2
NL [2]	...	7	13	25
Continuous output according DIN 4708	kW	59	81	135
Flow rate according DIN 4708	L/min	24	33	55
Power according EN 12897	kW	36	47	65
Heat-up time according EN 12897	min	16.5	16.5	20
Pressure drop	mbar	40	45	65
Maximum amount of drained water MIX 40 °C according EN 12897 when the power S1 is off	L	305	401	675
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: Thermometer		Yes	Yes	Yes
5: S1 - Feed		G1 F	G1 F	G1 1/4 F
6: S1 - Return		G1 F	G1 F	G1 1/4 F
7: Flange with a heating element		Yes	Yes	Yes
8: Socket for thermostat		G1/2 F	G1/2 F	G1/2 F
9: Fresh water inlet - Drain		G3/4 F	G3/4 F	G1 F
10: Recirculation		G3/4 F	G3/4 F	G3/4 F
11: Hot water outlet		G3/4 F	G3/4 F	G1 F
DIMENSION				
A	mm	190	190	230
B	mm	200	200	240
D	mm	670	670	800
G	mm	85	85	80
H	mm	1215	1605	1765
I	mm	560	830	890
M	mm	760	760	890
P	mm	950	1330	1455

- 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