



- 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

WATER HEATERS WITH TWO HEAT EXCHANGERS, FOR INSTALLATION ON THE FLOOR [1]

TECHNICAL DATA

Model	...	FV15060S2	FV20060S2	FV30067S2	FV50080S2
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	141	184	258	465
Insulation thickness	mm	75	75	85	80
Gross weight	kg	65	84	99	166
HEAT EXCHANGERS (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
Heat exchanger S1					
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 S1 is off	L	158	286	406	699
Heat exchanger S2					
Surface area	m ²	0.3	0.38	0.86	1.15
Volume	L	1.4	1.8	4.2	7.6
NL [2]	...	---	1	1.8	2.3
Continuous output according DIN 4708	kW	---	10	25	32
Flow rate according DIN 4708	L/min	---	4.2	10	13
Power according EN 12897	kW	7	8.7	18.3	21.4
Heat-up time according EN 12897	min	19.5	23	18.6	29.6
Pressure loss	mbar	80	15	55	55
Maximum amount of drained water MIX 40 °C according EN 12897 when the power S2 is off	L	75	107	175	327
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	--- / 175	--- / 230	--- / 322 / 162 / 108	--- / 570 / 285 / 190
Maximum temperature in the tank of heated with electric resistance heater	°C	75	75	75	75
CONNECTIONS					
1: Thermometer		Yes	Yes	Yes	Yes
2: S2 - Feed		G3/4 F	G3/4 F	G3/4 F	G1 F
3: S2 - Return		G3/4 F	G3/4 F	G3/4 F	G1 F
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
DIMIENSION					
A	mm	210	210	210	265
B	mm	260	260	265	320
C	mm	660	855	840	1000
D	mm	600	600	670	800
E	mm	705	900	885	1045
G	mm	75	75	85	80
H	mm	1150	1430	1605	1765
I	mm	355	550	530	630
J	mm	160	230	400	380
M	mm	690	690	760	890
P	mm	890	1155	1315	1425