

# Powerstock calorifier technical data

Powerstock calorifiers all models

	Calorifier model	Units	PS160	PS200	PS300	PS400	PS500	PS750	PS1000
General data	ErP class		C	D	D	D	D	C	C
	Storage capacity	l	157	196	299	382	474	751	972
	Top coil surface area	m <sup>2</sup>	N/A	N/A	0.8	1.05	1.3	1.17	1.12
	Top coil volume	l	N/A	N/A	6.6	7.0	8.9	8.2	7.9
	Bottom coil surface area	m <sup>2</sup>	0.75	0.95	1.55	1.8	1.9	1.93	2.45
	Bottom coil volume	l	4.9	6.2	10.4	12.2	13.2	13.5	17.1
	Maximum operating pressure (primary - coil)	bar	10	10	10	10	10	10	10
	Maximum operating pressure (secondary - storage)	bar	10	10	10	10	10	10	10
	Maximum operating temperature (primary - coil)	°C	110	110	110	110	110	110	110
	Maximum operating temperature (secondary - storage)	°C	70	70	70	70	70	70	70
	Weight empty	kg	70	80	130	185	215	253	312
	Standby losses	kW/24hr	1.44	1.92	2.4	2.9	3.12	3.6	4.8
	Bottom coil only in operation	Continuous output*	l/h	501	600	816	976	1109	1062
l/min			8.35	10	13.6	16.2	18.48	17.7	21.35
Heat input		kW	29.2	35.6	48.4	57.9	65.7	63.0	76.0
10 min peak output*		l	250	362	448	615	771	1100	1197
Recovery time		min	20	20	22	24	26	42	46
Top and bottom coil connected in series	Continuous output*	l/h	N/A	N/A	1032	1285	1549	1432	1635
	Heat input	kW	N/A	N/A	61.2	76.2	91.8	85	97
	10 min peak output*	l	N/A	N/A	567	889	1077	1319	1483
	Recovery time	min	N/A	N/A	17	18	18	31	36
Electrical	Destratification pump power supply		230V 50Hz 1 Phase						
	Destratification pump power consumption	W	60	60	60	60	60	60	60
	Destratification pump current	A	0.35	0.35	0.35	0.35	0.35	0.35	0.35
	Electric anode power supply		230V 50Hz 1 Phase						
	Electric anode power consumption	W	23	23	23	23	23	23	23
	Electric anode current	A	0.1	0.1	0.1	0.1	0.1	0.1	0.1

\*Calorifier performance is based on a DHW flow temperature of 60°C, with a cold water inlet temperature of 10°C, and a primary inlet temperature of 80°C. For details of pressure loss and flow rates at different temperatures, please refer to page 6.