



# Technical data / Scope of supply

Performance data				PWZSV 122H3S	PWZSV 162H3S
Heating capacity   COP for B0/W35 to EN14511 for B0/W45 to EN14511 for B0/W55 to EN14511 for B7/W35 flow of B0/W35	Partial load operation	kW   COP	5,06   4,87	9,42   4,92	
	Partial load operation	kW   COP	4,78   3,75	9,15   3,85	
	Partial load operation	kW   COP	4,58   3,13	9,06   3,22	
	Partial load operation	kW   COP	5,92   6,08	11,31   6,05	
Heating capacity for B0/W35 for B0/W45 for B0/W55 for B7/W35	min.   max.	kW   kW	2,48   13,56	3,2   17,20	
	min.   max.	kW   kW	2,24   12,88	2,58   17,00	
	min.   max.	kW   kW	2,54   12,53	2,47   17,00	
	min.   max.	kW   kW	2,94   15,82	4,00   19,10	
Limits of use					
Heating circuit return min.   Heating circuit flow max.		°C	20   65	20   65	
Heat source		min.   max.	-5   30	-5   30	
Additional operating points		...	B-9/W60	B-9/W60	
Sound					
Sound pressure level at 1m distance from edge of unit		min.   max.	29   38	29   36	
Sound power level to EN12102		min.   max.	44   53	44   51	
Heat source					
Volume flow: minimum   nominal analogue B0W35 (50Hz)   maximum		l/h	580   1270   3200	720   2350   3900	
Max. free heat pump pressure $\Delta p$ (with cooling $\Delta p_K$ ***)   Volume flow		bar (bar)   l/h	1,08   1270	0,88   2350	
Approved anti-freeze Monoethylene glycol   Propylene glycol   Methanol   Ethanol			•   •   •   •	•   •   •   •	
Anti-freeze concentration: Minimum frost protection down to		°C	-15	-15	
Max. allowable operating pressure		bar	3	3	
Heating circuit					
Volume flow: minimum   nominal analogue B0W35 (50Hz)   maximum		l/h	460   870   2300	570   1600   2900	
Max. free heat pump pressure $\Delta p$ (with cooling $\Delta p_K$ )   Volume flow		bar   bar   l/h	0,69   870	0,54   1600	
Max. allowable operating pressure		bar	3	3	
General unit data					
Total weight (with cooling)		kg	228	240	
Box weight (with cooling)   Tower weight (with cooling)		kg (kg)   kg (kg)	103   125	115   125	
Refrigerant type   Refrigerant capacity		...   kg	R407c   2,0	R407c   2,20	
Domestic hot water tank					
Net volume		l	186	186	
Impressed current anode		integrated: • yes — no	—	—	
Domestic hot water temperature, heating pump mode   Electric heating element		up to °C	55   65	55   65	
Mixed water quantity according to ErP: 2009/125/EC (at 40°C, draw-off of 10 l/min)		l	240	230	
Standing loss according to ErP: 2009/125/EC (at 65°C)		W	70	70	
Maximum pressure		bar	10	10	
Electrics					
Voltage code   all-pole heat pump fusing **)*)		...   A	3~N/PE/400V/50Hz   C10	3~N/PE/400V/50Hz   C10	
Voltage code   Control voltage fusing **)		...   A	1~N/PE/230V/50Hz   B10	1~N/PE/230V/50Hz   B10	
Voltage code   Electric heating element fusing **)		...   A	3~N/PE/400V/50Hz   B16	3~N/PE/400V/50Hz   B16	
Voltage code   all-pole fusing for connection via a joint supply cable **)*)		...   A	3~N/PE/400V/50Hz   C35	3~N/PE/400V/50Hz   C35	
WP*): effect. Power input B0/W35 (50Hz) EN14511   Power consumption   cos $\phi$		kW   A   ...	1,04   1,7   0,88	1,91   3,1   0,89	
WP*): effective power input B0/W35 to EN14511: min.   max.		kW   kW	0,53   3,29	0,83   4,62	
WP*): Max. machine current   Max. power input within the limits of use		A   kW	9,0   5,5	10   7,3	
Starting current: direct   with soft starter		A   A	< 5   —	< 5   —	
Degree of protection		IP	20	20	
Electric heating element output		kW	9   6   3	0 – 9	
Circulation pump power consumption, heating circuit   heat source		min. — max.	W   W	2 – 60   3 – 180	
Circulation pump power consumption, heating circuit   heat source		min. — max.	W   W	2 – 60   3 – 180	
Other unit information					
Safety valve, heating circuit   Heat source		included in scope of supply: • yes — no	•   —	•   —	
Expansion vessel, heating circuit   Heat source		included in scope of supply: • yes — no	—   —	—   —	
Overflow valve   Changeover valve		integrated: • yes — no	•   •	•   •	
Vibration isolators, heating circuit   Heat source		integrated: • yes — no	•   •	•   •	
*) Only compressor, **) Follow local regulations, ***) Figures for 25% mono-ethylene glycol				813498b	813493b