



Technical data/Scope of supply

Performance data				WZSV 62(H)(K)3M	WZSV 92(H)(K)3M
Heating capacity COP	for B0W35 to EN14511	Partial load operation	kW COP	3,32 4,86	4,00 4,86
	for B0W45 to EN14511	Partial load operation	kW COP	3,09 3,76	3,82 3,74
	for B0W55 to EN14511	Partial load operation	kW COP	2,95 3,13	3,51 3,02
	for B7/W35 flow of B0/W35	Partial load operation	kW COP	4,18 5,94	4,91 5,74
Heating capacity	for B0W35	min. max.	kW kW	1,25 5,95	1,77 8,65
	for B0W45	min. max.	kW kW	1,16 5,50	1,79 8,42
	for B0W55	min. max.	kW kW	1,00 5,17	1,96 8,18
	for B7/W35	min. max.	kW kW	1,55 7,20	2,31 10,60
Cooling capacity at max. volume flow (B15/W25), units with passive cooling: Identifier K:			kW	5,8	7,8
Limits of use					
Heating circuit return min. Heating circuit flow max.			°C	20 65	20 65
Heat source		min. max.	°C	-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.	dB(A)	29 36	29 39
Sound power level to EN12102		min. max.	dB(A)	44 51	44 54
Heat source					
Volume flow: minimum nominal analogue B0W35 (50Hz) maximum			l/h	300 740 1450	300 1050 2000
Max. free heat pump pressure Δp (with cooling Δp_K ***) Volume flow			bar (bar) l/h	0,76 (0,72) 740	0,94 (0,89) 1050
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	200 520 1050	200 720 1500
Max. free heat pump pressure Δp (with cooling Δp_K) Volume flow			bar bar l/h	0,74 (0,70) 520	0,67 (0,62) 520
Max. allowable operating pressure			bar	3	3
General unit data					
Total weight (with cooling)			kg	240 (248)	244 (252)
Box weight (with cooling) Tower weight (with cooling)			kg (kg) kg (kg)	80 (88) 160 (160)	84 (92) 160 (160)
Refrigerant type Refrigerant capacity			... kg	R407c 1,16	R407c 1,25
Domestic hot water tank					
Net volume			l	178	178
Impressed current anode			integrated: • yes —no	•	•
Domestic hot water temperature, heating pump mode Electric heating element			up to °C	58 65	58 65
Mixed water quantity according to ErP: 2009/125/EC (at 40°C, draw-off of 10 l/min)			l	240	240
Standing loss according to ErP: 2009/125/EC (at 65°C)			W	60	60
Maximum pressure			bar	10	10
Electrics					
Voltage code all-pole heat pump fusing *)**)			... A	—	—
Voltage code all-pole heat pump fusing *) + electric heating element **)				3~N/PE/400V/50Hz C16	3~N/PE/400V/50Hz C16
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	—	—
WP*): effect. Power input B0/W35 (50Hz) EN14511 Power consumption cos ϕ			kW A ...	0,68 3,0 0,97	0,82 3,7 0,97
WP*): effective power input B0/W35 to EN14511: min. max.			kW kW	0,24 2,10	0,24 2,40
WP*): Max. machine current Max. power input within the limits of use			A kW	12 2,6	12 2,9
Starting current: direct with soft starter			A A	< 5 —	< 5 —
Degree of protection			IP	20	20
Electric heating element output			kW	6 3	6 3
Circulation pump power consumption, heating circuit heat source		min. —max.	W W	2 – 60 5 – 87	2 – 60 3 – 140
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					
				813486c	813504



Performance data				WZSV 122(H)(K)3M	WZSV 162(H)(K)3M
Heating capacity COP	for B0/W35 to EN14511	Partial load operation	kW COP	5,06 4,87	9,42 4,92
	for B0/W45 to EN14511	Partial load operation	kW COP	4,78 3,75	9,15 3,85
	for B0/W55 to EN14511	Partial load operation	kW COP	4,58 3,13	9,06 3,22
	for B7/W35 flow of B0/W35	Partial load operation	kW COP	5,92 6,08	11,31 6,05
Heating capacity	for B0/W35	min. max.	kW kW	2,48 13,56	3,2 17,20
	for B0/W45	min. max.	kW kW	2,24 12,88	2,58 17,00
	for B0/W55	min. max.	kW kW	2,54 12,53	2,47 17,00
	for B7/W35	min. max.	kW kW	2,94 15,82	4,00 19,10
Cooling capacity at max. volume flow (B15/W25), units with passive cooling: Identifier K:			kW	12,3	14,9
Limits of use					
Heating circuit return min. Heating circuit flow max.			°C	20 65	20 65
Heat source		min. max.	°C	-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.	dB(A)	29 38	29 36
Sound power level to EN12102		min. max.	dB(A)	44 53	44 51
Heat source					
Volume flow: minimum nominal analogue B0/W35 (50Hz) maximum			l/h	580 1270 3200	720 2350 3900
Max. free heat pump pressure Δp (with cooling ΔpK) *** Volume flow			bar (bar) l/h	1,08 (1,03) 1270	0,88 (0,80) 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 B0/W35 (50Hz) maximum			l/h	460 870 2300	570 1600 2900
Max. free heat pump pressure Δp (with cooling ΔpK) Volume flow			bar bar l/h	0,69 (0,65) 870	0,54 (0,50) 1600
Max. allowable operating pressure			bar	3	3
General unit data					
Total weight (with cooling)			kg	263 (271)	275 (283)
Box weight (with cooling) Tower weight (with cooling)			kg (kg) kg (kg)	103 (111) 160 (160)	115 (123) 160 (160)
Refrigerant type Refrigerant capacity			... kg	R407c 2,0	R407c 2,20
Domestic hot water tank					
Net volume			l	178	178
Impressed current anode			integrated: • yes —no	•	•
Domestic hot water temperature, heating pump mode Electric heating element			up to °C	58 65	58 65
Mixed water quantity according to ErP: 2009/125/EC (at 40°C, draw-off of 10 l/min)			l	240	240
Standing loss according to ErP: 2009/125/EC (at 65°C)			W	60	60
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 all-pole heat pump fusing *) + electric heating element **)				—	—
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
WP*): effect. Power input B0/W35 (50Hz) EN14511 Power consumption cos ϕ			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	9 6 3
Circulation pump power consumption, heating circuit heat source		min. —max.	W W	2 – 60 3 – 180	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				813496a	813489c