



Technical data/Scope of supply

Performance data				SWCV 62(H)(K)3	SWCV 92(H)(K)3	
Heating capacity COP for B0/W35 to EN14511	Partial load operation	kW COP	3,32 4,86	4,00 4,86		
	for B0/W45 to EN14511	Partial load operation	kW COP	3,09 3,76		
	for B0/W55 to EN14511	Partial load operation	kW COP	2,95 3,13		
	for B7/W35 flow of B0/W35	Partial load operation	kW COP	4,18 5,94		
Heating capacity	for B0/W35 to EN14511	min. max.	kW kW	1,25 5,95	1,77 8,65	
	for B0/W45 to EN14511	min. max.	kW kW	1,16 5,50	1,79 8,42	
	for B0/W55 to EN14511	min. max.	kW kW	1,00 5,17	1,96 8,18	
	for B7/W35 to EN14511	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	44 51	44 54	
Heat source						
Volume flow: minimum nominal analogue B0W35 (Partial load operation) 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 (Partial load operation) 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	145 (153)	149 (157)	
Box weight (with cooling) Tower weight (with cooling)			kg (kg) kg (kg)	80 (88) 65 (65)	84 (92) 65 (65)	
Refrigerant type Refrigerant capacity			... kg	R407c 1,16	R407c 1,25	
Domestic hot water tank						
Net volume			l	—	—	
Impressed current anode			integrated: • yes — no	—	—	
Domestic hot water temperature, heating pump mode Electric heating element			up to °C	— —	— —	
Mixed water quantity according to ErP: 2009/125/EC (at 40°C, draw-off of 10 l/min)			l	—	—	
Standing loss according to ErP: 2009/125/EC (at 65°C)			W	—	—	
Maximum pressure			bar	—	—	
Electrics						
Voltage code all-pole heat pump fusing *)**)			... A	—	—	
Voltage code all-pole heat pump fusing *) + electric heating element **)			... A	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 (Partial load operation) EN14511 Power consumption $\cos\phi$			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				813488c	813502	



Performance data				SWCV 122(H)(K)3M	SWCV 162(H)(K)3	
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		
	for B0/W55 to EN14511	Partial load operation	kW COP	4,58 3,13		
	for B7/W35 flow of B0/W35	Partial load operation	kW COP	5,92 6,08		
Heating capacity	for B0/W35 to EN14511	min. max.	kW kW	2,48 13,56	3,2 17,20	
	for B0/W45 to EN14511	min. max.	kW kW	2,24 12,88	2,58 17,00	
	for B0/W55 to EN14511	min. max.	kW kW	2,54 12,53	2,47 17,00	
	for B7/W35 to EN14511	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	44 53	44 51	
Heat source						
Volume flow: minimum nominal analogue B0W35 (Partial load operation) maximum			l/h	580 1270 3200	720 2350 3900	
Max. free heat pump pressure Δp (with cooling Δp_K) *** 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 B0W35 (Partial load operation) maximum			l/h	460 870 2300	570 1600 2900	
Max. free heat pump pressure Δp (with cooling Δp_K) 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	168 (176)	180 (188)	
Box weight (with cooling) Tower weight (with cooling)			kg (kg) kg (kg)	103 (111) 65 (65)	115 (123) 65 (65)	
Refrigerant type Refrigerant capacity			... kg	R407c 2,0	R407c 2,20	
Domestic hot water tank						
Net volume			l	—	—	
Impressed current anode			integrated: • yes — no	—	—	
Domestic hot water temperature, heating pump mode Electric heating element			up to °C	— —	— —	
Mixed water quantity according to ErP: 2009/125/EC (at 40°C, draw-off of 10 l/min)			l	—	—	
Standing loss according to ErP: 2009/125/EC (at 65°C)			W	—	—	
Maximum pressure			bar	—	—	
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 **)			... A	—	—	
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 (Partial load operation) 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	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				813497a	813489c	