



Technical data/Scope of supply

Performance data				SWCV 62(H)(K)3	SWCV 122(H)(K)3M	
Heating capacity COP for B0/W35 to EN14511	Partial load operation	kW COP	3,32 4,86	5,06 4,87		
	Partial load operation	kW COP	3,09 3,76	4,78 3,75		
	Partial load operation	kW COP	2,95 3,13	4,58 3,13		
	Partial load operation	kW COP	4,18 5,94	5,92 6,08		
Heating capacity	for B0/W35 to EN14511	min. max.	kW kW	1,25 5,95	2,48 13,56	
	for B0/W45 to EN14511	min. max.	kW kW	1,16 5,50	2,24 12,88	
	for B0/W55 to EN14511	min. max.	kW kW	1,00 5,17	2,54 12,53	
	for B7/W35 to EN14511	min. max.	kW kW	1,55 7,20	2,94 15,82	
Cooling capacity at max. volume flow (B15/W25), units with passive cooling: Identifier K:			kW	6,7	8,0	
Limits of use						
Heating circuit return min. Heating circuit flow max.			°C	20 65	20 65	
Heat source		min. max.	°C	-5 25	-5 25	
Additional operating points			...	—	—	
Additional operating points				—	—	
Sound						
Sound pressure level at 1m distance from edge of unit		min. max.	dB(A)	29 36	29 38	
Sound power level to EN12102		min. max.	dB	44 51	44 53	
Heat source						
Volume flow: minimum nominal analogue B0W35 (Partial load operation) maximum			l/h	300 740 1450	580 1270 3200	
Max. free heat pump pressure Δp (with cooling Δp_K ***) Volume flow			bar (bar) l/h	0,76 (0,72) 740	1,08 (1,03) 1270	
Approved anti-freeze				• • • •	• • • •	
Anti-freeze concentration: Minimum frost protection down to			°C	-13	-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	460 870 2300	
Max. free heat pump pressure Δp (with cooling Δp_K) Volume flow			bar bar l/h	0,74 (0,70) 520	0,69 (0,65) 870	
Max. allowable operating pressure			bar	3	3	
General unit data						
Total weight (with cooling)			kg	145 (153)	168 (176)	
Box weight (with cooling) Tower weight (with cooling)			kg (kg) kg (kg)	80 (88) 65 (65)	103 (111) 65 (65)	
Refrigerant type Refrigerant capacity			... kg	R407c 1,16	R407c 2,0	
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	
Voltage code all-pole heat pump fusing *) + electric heating element **)			... A	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	—	3~N/PE/400V/50Hz B16	
WP*): effect. Power input B0/W35 (Partial load operation) EN14511 Power consumption $\cos\phi$			kW A ...	0,67 3,0 0,95	1,04 2,1 0,88	
WP*): effective power input B0/W35 to EN14511: min. max.			kW kW	0,24 2,10	0,53 3,29	
WP*): Max. machine current Max. power input within the limits of use			A kW	12 2,6	9,0 5,5	
Starting current: direct with soft starter			A A	< 5 —	< 5 —	
Degree of protection			IP	20	20	
Electric heating element output			kW	6 3	9 6 3	
Circulation pump power consumption, heating circuit heat source			min. —max.	W W	2 – 60 5 – 87	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				813488b	813497	



Performance data				SWCV 162(H)(K)3	
Heating capacity COP for B0/W35 to EN14511	Partial load operation	kW COP	9,42 4,92		
	for B0/W45 to EN14511	Partial load operation	kW COP	9,15 3,85	
	for B0/W55 to EN14511	Partial load operation	kW COP	9,06 3,22	
	for B7/W35 flow of B0/W35	Partial load operation	kW COP	11,31 6,05	
Heating capacity	for B0/W35 to EN14511	min. max.	kW kW	3,2 17,20	
	for B0/W45 to EN14511	min. max.	kW kW	2,58 17,00	
	for B0/W55 to EN14511	min. max.	kW kW	2,47 17,00	
	for B7/W35 to EN14511	min. max.	kW kW	4,00 19,10	
Cooling capacity at max. volume flow (B15/W25), units with passive cooling: Identifier K:			kW	8,8	
Limits of use					
Heating circuit return min. Heating circuit flow max.			°C	20 65	
Heat source		min. max.	°C	-5 25	
Additional operating points			...	—	
Additional operating points				—	
Sound					
Sound pressure level at 1m distance from edge of unit		min. max.	dB(A)	29 36	
Sound power level to EN12102		min. max.	dB	44 51	
Heat source					
Volume flow: minimum nominal analogue B0W35 (Partial load operation) maximum			l/h	720 2350 3900	
Max. free heat pump pressure Δp (with cooling ΔpK ***) Volume flow			bar (bar) l/h	0,88 (0,80) 2350	
Approved anti-freeze			Monoethylene glycol Propylene glycol Methanol Ethanol	• • • •	
Anti-freeze concentration: Minimum frost protection down to			°C	-13	
Max. allowable operating pressure			bar	3	
Heating circuit					
Volume flow: minimum nominal analogue B0W35 (Partial load operation) maximum			l/h	570 1600 2900	
Max. free heat pump pressure Δp (with cooling ΔpK) Volume flow			bar bar l/h	0,54 (0,50) 1600	
Max. allowable operating pressure			bar	3	
General unit data					
Total weight (with cooling)			kg	180 (188)	
Box weight (with cooling) Tower weight (with cooling)			kg (kg) kg (kg)	115 (123) 65 (65)	
Refrigerant type Refrigerant capacity			... kg	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		
Voltage code all-pole heat pump fusing **) + electric heating element **) ... A			—		
Voltage code Control voltage fusing **) ... A			1~N/PE/230V/50Hz B10		
Voltage code Electric heating element fusing **) ... A			3~N/PE/400V/50Hz B16		
WP*): effect. Power input B0/W35 (Partial load operation) EN14511 Power consumption $\cos\phi$ kW A ...			1,91 2,6 0,60		
WP*): effective power input B0/W35 to EN14511: min. max.			kW kW	0,83 4,62	
WP*): Max. machine current Max. power input within the limits of use			A kW	10 7,3	
Starting current: direct with soft starter			A A	< 5 —	
Degree of protection			IP	20	
Electric heating element output			kW	9 6 3	
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

813489b