



Technical data/scope of supply

LWAV

Performance data				LWAV 82R1/3	LWAV 122R3
Heating capacity COF	At A10/W35 per EN14511	Partial load operation	kW COP	3,00 5,00	5,50 5,10
	At A7/W35 per EN14511	Partial load operation	kW COP	2,75 4,60	5,00 4,80
	At A7/W55 per EN14511	Partial load operation	kW COP	2,50 2,70	4,20 2,60
	At A7/W55 per EN14511	Partial load operation	kW COP	2,50 2,70	4,20 2,60
	At A2/W35 per EN14511	Partial load operation	kW COP	4,30 4,10	6,50 3,90
	At A-7/W35 per EN14511	Full load operation	kW COP	6,00 3,00	9,00 2,80
	At A-7/W55 per EN 14511	Full load operation	kW COP	5,40 2,00	8,00 1,80
Heating capacity	At A10/W35	min. max.	kW kW	3,00 7,00	5,40 11,50
	At A7/W35	min. max.	kW kW	2,75 7,00	5,10 11,50
	At A7/W55	min. max.	kW kW	2,50 7,00	4,60 11,50
	At A2/W35	min. max.	kW kW	2,70 7,00	4,50 11,50
	At A-7/W35	min. max.	kW kW	3,00 6,00	4,80 9,00
	At A-7/W55	min. max.	kW kW	2,70 5,40	4,20 8,10
Cooling capacity EEf	At A35/W18	Partial load operation	kW EER	6,00 3,00	8,50 2,80
	At A35/W7	Partial load operation	kW EER	3,60 1,80	5,00 1,80
Cooling capacity	At A35/W18	min. max.	kW kW	1,00 6,00	2,00 8,50
	At A35/W7	min. max.	kW kW	1,00 4,50	2,00 6,00
Operating limits					
Heating circuit return min. Heating circuit supply flow max. Heating			°C	20 45	20 45
Heat source, heating			min. max.	°C	-22 35
additional operating points			...	A0/W60	A0/W60
Sound					
Sound pressure level at 1 m distance from edge of unit			min. max. inside	dB(A)	— —
Sound pressure level at 1 m distance from edge of unit			min. Night max. outside	dB(A)	— 42 48
Sound power level			min. max. inside	dB(A)	— —
Sound power level			min. Night max. outside	dB(A)	— 52 58
Sound power level per EN12102				dB(A)	52
					53
Heat source					
Air flow rate at maximum external pressure			m³/h	2500	2900
Maximum external pressure			Pa	25	25
Heating circuit					
Volume flow rate: minimum nominal analogue A7W35 (partial load operation) maximum			l/h	600 600 1200	600 850 1900
Free pressing Pressure loss Volume flow rate			bar bar l/h	— 0,14 1200	— 0,2 1900
max. allowable operating pressure			bar	3	3
General unit data					
Total weight			kg	132	148
Weight, heat pump module Compact module Fan module			kg kg kg	88 — 16	104 — 16
Refrigerant type Refrigerant capacity			... kg	R410A 3,00	R410A 3,60
Electrics					
Voltage code all-pole heat pump fuse protection *)**)			... A	1~N/PE/230V/50Hz B16	3~N/PE/400V/50Hz B16
Voltage code Control voltage fuse protection **)			... A	1~N/PE/230V/50Hz B10	1~N/PE/230V/50Hz B10
Voltage code Electric heating element fuse protection **)			... A	—	—
WP*): effect. Power input A7/W35 (partial load operation) EN14511 Current draw cosφ			kW A ...	0,6 3,0 0,8	1,05 3,0 0,8
WP*): effective power input A7/W35 per EN14511: min. max.			kW kW	0,7 2,20	1,0 2,50
WP*): Max. machine current Max. power input within the operating limits			A kW	16 3,5	13 6,0
Starting current: direct with soft starter			A A	< 5 —	< 5 —
Degree of protection			IP	20	20
Electric heating element output			3 2 1 phase	kW kW kW	— — —
Circulation pump power consumption, heating circuit			min. — max.	W	—
Other unit information					
Heating circuit safety valve			included in scope of supply: • yes — no	—	—
Heating circuit expansion vessel			included in scope of supply: • yes — no	—	—
Overflow valve Changeover valve, heating -Domestic hot water			integrated: • yes — no	—	— —
Heating circuit vibration decouplers			integrated: • yes — no	•	•
Controller			integrated: • yes — no	—	—
Heat quantity recording			integrated: • yes — no	•	•
*) Only compressor, **) Observe local regulations.				813581a	813582a