



## Technical data/Scope of supply

Performance data				LWCV 82R1/3	LWCV 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	—   —	—   —
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	-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)	—   35   40	—   39   44
Sound power level		min.   max. inside	dB(A)	—   —	—   —
Sound power level		min.   Night   max. outside	dB(A)	—   40   45	—   44   49
Sound power level per EN12102			dB(A)	40	44
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	0,75   —   1200	0,82   —   1900
max. allowable operating pressure			bar	3	3
General unit data					
Total weight			kg	208	227
Weight, heat pump module   Compact module   Fan module			kg   kg   kg	88   57   16	104   60   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	3~N/PE/400V/50Hz   B10	3~N/PE/400V/50Hz   B16
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	6   4   2
Circulation pump power consumption, heating circuit			min. — max.	W	4 – 75
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,				813579	813580