



Technical data/Scope of supply

Unit designation			LW 160H(L)/V
Heating capacity / COP			813560a
A10/W35	min. / max.	kW	5,8 — 17,4
A7/W35	min. / max.	kW	5,6 — 16,1
A7/W55	min. / max.	kW	6,5 — 17,1
A2/W35	min. / max.	kW	4,9 — 14,2
A-7/W35	min. / max.	kW	4,0 — 13,9
A-7/W55	min. / max.	kW	4,0 — 14,7
A10/W35	Partial load operation	kW COP	10,0 4,87
A7/W35	to EN 14511 Partial load operation	kW COP	5,8 4,33
A7/W55	to EN 14511 Partial load operation	kW COP	9,1 2,73
A7/W55	to EN 14511 Partial load operation	kW COP	12,0 3,31
A2/W35	to EN 14511 Partial load operation	kW COP	8,1 4,20
A-7/W35	to EN 14511 Full load operation	kW COP	13,9 3,21
A-7/W55	to EN 14511 Full load operation	kW COP	14,7 2,41
Limits of use			
Heating capacity, water heating	constant	kW	~ 12kW
Heating circuit	at nominal flow rate	°C	20 ¹ – 60 ²
Additional operating points	at nominal flow rate	°C	A> -15 / 65 ²
Heat source		°C	-20 – 35
Sound			
Sound pressure level	1m distance from edge of unit	min. / max. inside	dB(A) 38 — 49
Sound pressure level	1m distance to the air connection	min. / max. outside	dB(A) 34 — 51
Sound power level	Based on EN 12102	min. / max. inside	dB(A) 46 — 57
Sound power level	Based on EN 12102	min. / max. outside	dB(A) 40 — 57
Heat source			
Air flow rate at maximum external pressure		m ³ /h	4400
Maximum external pressure		Pa	25
Heating circuit			
Flow rate (pipe sizing)		l/h	2000
Free compression Pressure loss Flow rate		bar bar l/h	0,513 0,157 2000
Control range circulating pump heating circuit	min. / max.	l/h	1000 — 2000
max. allowable operating pressure		bar	3,0
General unit data			
Total weight		kg	362
Refrigerant type capacity		... kg	R410A 3,8
Free cross-section, air ducts		mm	—
Electrics			
Voltage code, all-pole fuse protection, heat pump **)		... A	3~/N/PE/400V/50Hz C25
Voltage code, fuse protection, control voltage **)		... A	1~/N/PE/230V/50Hz B16
Voltage code, fuse protection, electric heating element **)		A	3~/N/PE/400V/50Hz B16
Power consumption A7/W35 max (min) speed		kW	4,3 (1,4)
Current input cosφ A7/W35 max (min) speed		A ...	13,5 (4,0) 0,7 (0,7)
Max. machine current max. power consumption		A kW	22 8,0
Starting current: direct with soft starter		A A	5 -
Degree of protection		IP	20
Electric heating element output 3 2 1 phase		kW kW kW	9 6 3
Heating circuit circulation pump power consumption Nom. current input		kW A	0,087 0,71
Other unit information Included in the scope of supply or integrated			
Heating and heat pump controller		• yes — no	•
BUS communication cable to the unit		• yes — no	•
Power cable to unit		• yes — no	—
Circulation pump for heating circuit		• yes — no	•
Overflow valve		• yes — no	—
Heating circuit vibration isolators		• yes — no	—
Safety valve		• yes — no	—
Heating circuit expansion vessel: Scope of supply Volume Initial pressure		• yes — no bar	— — —

¹) Heating water return ²) Heating water flow

*) depending on component tolerances, speed and flow

**) comply with local regulations