

E-HP AW 44 Ace B specification.



KIWA00043/001

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Date: **March 2022**

Performance	44 ACE B
Heating capacity at A7/W35	34.32 kW
Power input at A7/W35	7.81 kW
COP at A7/W35	4.4
Heating capacity at A-7/W35	21.09 kW
Power input at A-7/W35	7.48 kW
COP at A-7/W35	2.82
SCOP average climate low temperature	3.87
SCOP average climate high temperature	2.98
Seasonal efficiency low temperature	152%
Seasonal efficiency high temperature	116%

ERP Data	
Energy label rating average climate	A++
Sound power rating indoors/outdoors LAW	0/65 dB

Refrigerant	
Refrigerant type	R407c
Refrigerant weight	13 kg
Refrigerant GWP	1774
Equivalent CO ₂	23 T

Hydraulics	
Nominal volume flow rate, sink***	1.65 l/s
Minimum volume flow rate, sink***	0.82 l/s
Flow and return ΔT	5-10°C
Pressure drop @ nominal flow rate	15 kPa
Max operating pressure	10 bar
Min operating pressure	2 bar
Max supply temperature	65°C
Flow connection size	1 1/2 Inch
Return connection size	1 1/2 Inch
Circulation pump integrated	No
Pressure relief valve integrated	No
Expansion vessel integrated	No

Source Data	44 ACE B
Operating limits, source [air]	-20 to +35°C
Nominal volume flow rate, source	8500 m ³ /h

Electrical	
Protection class	IP42
	3 + Neutral Phases
Power supply compressor	50 Hz
	400 V
Nominal voltage compressor	400 V
Nominal voltage fans	230 V
Power supply controller 1 phase + neutral	230 V
Number of compressors	1
Number of fans	2
Starting current with soft starter 1st compressor	57.6 A
Starting current with soft starter 2nd compressor**	-
Power input controller	7.9 kW
Max operating current FLC	26.7 A
Nominal current (A7 & W55)*	19.1 A

General	
Sound power level LwA*	65 dB(A)
Sound pressure level LpA	74.5
	2100 Height
Unit dimensions (mm)	1250 Width
	775 Depth
Unit weight dry	460 kg
	2000 Front
	2000 Rear
Service clearances (mm)	1500 Left Side
	1500 Right Side

* In accordance with EN 9614-2 under condition A7/W55.

** The accumulated starting current is calculated with the starting current of the second compressor and the maximum operating current (MCC) of the first compressor, seen as the worst case scenario.

*** The circulating pump for the ASHP must be capable of accepting a 0-10v speed control signal from the appliance, the pump must have sufficient modulation to meet both the nominal and minimum flow rates.

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