



AIR HANDLING UNIT eQ

Project	8323 () / james test	2.0.091020.1
AOC	ACON-00567885	
Unit	7 (1) / EQ023 MAX duty model	2009/10/21
Size	023	Page 1

SUMMARY

Unit

Supply air flow	3.40 m ³ /sec	Installation	Indoor horizontal
Ext. static pressure	100 Pa	Material	
Exhaust air flow	3.40 m ³ /sec	Thermal insulation	
Ext. static pressure	100 Pa	Condensation insulation	
Dim. temp. summer	30 °C	Leakage class	
Dim. humidity summer	21.6 °C wb	Casing strength	
Dim. temp. winter	-5 °C	Filter grade supply	
Dim. humidity winter	-5 °C wb	Filter grade extract	
Temperature in, supply air, summer	20 °C	Temperature in, extract air, summer	24 °C
Air humidity in, supply air, summer	13.8 °C wb	Air humidity in, extract air, summer	17.1 °C wb
Temperature in, supply air, winter	20 °C	Temperature in, extract air, winter	24 °C
Air humidity in, supply air, winter	12.4 °C wb	Air humidity in, extract air, winter	17.1 °C wb
Heat recovery efficiency	73 %	Heat recovery capacity	116 kW
SFPv supply air	1.0 kW/m ³ /s	Total dry weight	1032 kg
SFPv exhaust air inlet	1.3 kW/m ³ /s		
SFPv total sum	2.4 kW/m ³ /s	Heaviest block	916 kg
		Largest block	2600 x 2172 x 1850 mm

Coils

	Capacity [kW]	Air in °C	Air out °C	Water in/out [°C]	Antifreeze	Water [l/s]	Water [kPa]	Conn [mm]
Air heater	119.2	-5	24	80/41	0 %	0.75	33.2	

Motor data

Voltage	3 x 400 V	Frequency	50 Hz
Power, supply flow	5.5 kW	Power, extract flow	5.5 kW
Current, full load, supply flow	11 A	Current, full load, extract flow	11 A

SOUND POWER LEVELS AT 0 M DISTANCE

(standard: EN13053 ISO/CD 13347-2)

Octave band (Hz)	Lw per octave band (dB)								LwA
	63	125	250	500	1k	2k	4k	8k	dB(A)
Fresh air connection	70	68	84	72	69	65	59	57	77
Supply air connection	72	72	89	85	84	78	72	68	88
Extract connection	73	70	87	76	71	69	62	62	80
Exhaust connection	76	76	92	90	89	83	79	77	93
To surroundings	69	65	78	59	57	55	49	40	70

TOLERANCE

According to EN 13053 the LwA tolerance is 4dB. Octave band tolerances are presented in the tolerance table

Octave band (Hz)	Lw per octave band (dB)								LwA
	63	125	250	500	1k	2k	4k	8k	dB(A)
Tolerance	6	4	4	4	4	4	4	7	4

Frequency converters and motors mounted external are not included in the sound power levels