



## AIR HANDLING UNIT eQ

Project	8323 () / james test	2.0.091020.1
AOC	ACON-00546916	
Unit	5 (1) / EQ008 MAX duty model	2009/10/21
Size	008	Page 1

### SUMMARY

#### Unit

Supply air flow	1.05 m <sup>3</sup> /sec	Installation	Indoor horizontal
Ext. static pressure	100 Pa	Material	
Exhaust air flow	1.05 m <sup>3</sup> /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	75 %	Heat recovery capacity	38 kW
SFPv supply air	1.2 kW/m <sup>3</sup> /s	Total dry weight	442 kg
SFPv exhaust air inlet	1.2 kW/m <sup>3</sup> /s		
SFPv total sum	2.4 kW/m <sup>3</sup> /s	Heaviest block	125 kg
		Largest block	740 x 1472 x 1250 mm

#### Coils

	Capacity [kW]	Air in °C/	Air out °C	Water in/out [°C]	Antifreeze	Water [l/s]	Water [kPa]	Conn [mm]
Air heater	32.9	-5	21	80/60	0 %	0.4	16.1	

#### Motor data

Voltage	3 x 400 V	Frequency	50 Hz
Power, supply flow	1.5 kW	Power, extract flow	1.5 kW
Current, full load, supply flow	3.4 A	Current, full load, extract flow	3.4 A

### SOUND POWER LEVELS AT 0M 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	65	63	67	71	68	67	60	58	73
Supply air connection	66	69	71	77	80	79	74	70	84
Extract connection	66	64	68	72	69	68	61	59	74
Exhaust connection	68	71	73	79	82	80	75	73	86
To surroundings	62	64	60	55	50	57	50	40	61

### 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