



## AIR HANDLING UNIT eQ

Project	8323 () / james test	2.0.091020.1
AOC	ACON-00543004	
Unit	2 () / EQ018 MAX duty model	2009/10/21
Size	018	Page 1

### SUMMARY

#### Unit

Supply air flow	2.50 m <sup>3</sup> /sec	Installation	Indoor horizontal
Ext. static pressure	100 Pa	Material	
Exhaust air flow	2.50 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	70 %	Heat recovery capacity	81 kW
SFPv supply air	1.2 kW/m <sup>3</sup> /s	Total dry weight	718 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	669 kg
		Largest block	2350 x 1872 x 1550 mm

#### Coils

	Capacity [kW]	Air in °C	Air out °C	Water in/out [°C]	Antifreeze	Water [l/s]	Water [kPa]	Conn [mm]
Air heater	63.5	-5	20	80/60	0 %	0.75	22.2	

#### Motor data

Voltage	3 x 400 V	Frequency	50 Hz
Power, supply flow	4 kW	Power, extract flow	4 kW
Current, full load, supply flow	8 A	Current, full load, extract flow	8 A

### SOUND POWER LEVELS AT OM 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	67	65	80	71	69	67	61	61	76
Supply air connection	70	75	83	84	85	81	76	72	88
Extract connection	68	66	81	72	70	68	62	62	77
Exhaust connection	72	77	85	86	87	82	77	75	90
To surroundings	65	66	75	58	54	58	51	43	68

### 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