



AIR HANDLING UNIT eQ

Project	8323 () / james test	2.0.091020.1
AOC	ACON-00546768	
Unit	3 (1) / EQ011 MAX duty model	2009/10/21
Size	011	Page 1

SUMMARY

Unit

Supply air flow	1.55 m ³ /sec	Installation	Indoor horizontal
Ext. static pressure	100 Pa	Material	
Exhaust air flow	1.55 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	53 kW
SFPv supply air	1.1 kW/m ³ /s	Total dry weight	614 kg
SFPv exhaust air inlet	1.1 kW/m ³ /s		
SFPv total sum	2.2 kW/m ³ /s	Heaviest block	171 kg
		Largest block	850 x 1672 x 1350 mm

Coils

	Capacity [kW]	Air in °C	Air out °C	Water in/out [°C]	Antifreeze	Water [l/s]	Water [kPa]	Conn [mm]
Air heater	65.6	-5	30	80/60	0 %	0.8	11.2	

Motor data

Voltage	3 x 400 V	Frequency	50 Hz
Power, supply flow	2.2 kW	Power, extract flow	2.2 kW
Current, full load, supply flow	4.7 A	Current, full load, extract flow	4.7 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	65	73	66	66	63	58	55	71
Supply air connection	68	74	79	80	81	78	73	68	85
Extract connection	66	66	74	67	67	64	59	56	72
Exhaust connection	70	76	81	82	83	79	74	71	86
To surroundings	63	66	68	53	51	54	48	37	62

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