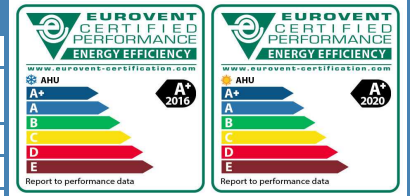
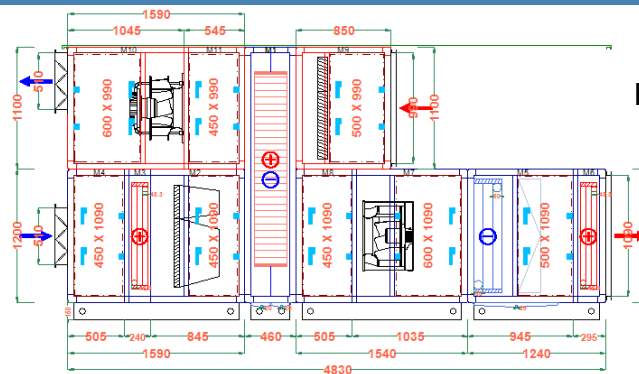


TECHNICAL DATA

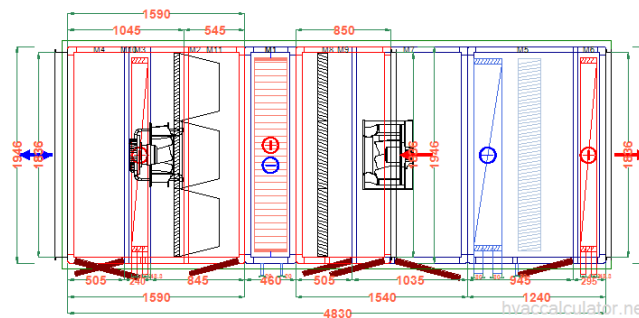
Date	23-06-2022	Rev. Date	02-07-2022
Project ID	10237	Tracking Number	
Project Name	Deansgate Manchester - S02		
AHU Name	AHU-02 - Alternative - (1 QTY)		
AHU Model	ATC Comfort Line 4 H x 6 W [1080 RHE CWC HWC]		



RIGHT VIEW



Front Elevation



Top Elevation

TOP VIEW

GENERAL SPECIFICATIONS

Air Flow	Return Air Flow	Frame	Dimensions (mm)(Size+Pedestal+Dampers+Pipes)	
10,800 m³/h	7,200 m³/h	P 155/45PS	W 2,096 x H 2,450 x L 4,995	
Air Velocity	Return Air Velocity	Insulation Material	Total Weight	Altitude
1.5 m/s	1 m/s	45 mm Rockwool 70 kg/m³	2,301 kg	78 m
Coil Air Velocity	Air Density	Outside Sheet Material	Base Height	Roof (Outside)
1.94 m/s	1.3021 kg/m³	0.8 mm Painted Galvanized	150 mm	Sheet
Design Outdoor Temp.(W-S)	HRS Capacity (W-S)	Inside Sheet Material	Motor Power	
(-5°C/100%)-(28°C/50%/WB:20.32°C% /DP:16.61°C)(MANCHESTER)	79.5 kW - 15.7 kW	0.8 mm Galvanized	4.5 kW / 3 kW	
Total Heating Capacity	Total Cooling Capacity	Total Sensible Capacity	Total Absorbed Power	
137.5 kW	84.6 kW	55.47 kW	5.28 kW	
Specific Fan Power(SFP Total)	ErP Compliance	ErP Code	External Static Pressure	Return External Static Pressure
1,614 W/(m³/s)	2016 & 2018	NRVU - BVU	200 Pa	450 Pa

SOUND POWER LEVEL (dB)

Frequency Hz	125	250	500	1000	2000	4000	8000	LwA-tot	
Airborne Sound Power Level	74.4	79.8	70.4	68.3	62.2	65.3	85.5	84.5	dB
Air Outlet Induct Sound Power Level	68.3	79.6	85.9	86.3	83.9	82.5	85.5	91.3	dB
Air Inlet Induct Sound Power Level	62.3	65.2	59.0	55.6	39.4	14.9	22.9	60.7	dB
Return Air Outlet Induct Sound Power Level	66.2	72.5	75.8	78.0	75.5	75.7	68.2	82.0	dB
Return Air Inlet Induct Sound Power Level	65.4	62.0	54.4	56.6	37.9	14.9	18.0	59.6	dB

MB MECHANICAL PROPERTY CLASSIFICATIONS

Model	CS Class	CAL Class -400 Pa (M) -400 Pa (R)	CAL Class +700 Pa (M) +400 Pa (R)	FBL Class	TT Class	TBF Class	CASING ACOUSTICAL INSULATION [dB]						
							125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
Model Box RW 45	D1 (M)	L1 (M)/L1 (R)	L1 (M)/L1 (R)	F9	T4	TB4	16	22	29	32	34	39	46

ACCESSORIES

Manometer Pressure Gauge_Dwyer Magnehelic 500 (x3),Pressure Measurement Tap Set (x4),Maintenance Switch (x2)