



Flow²

Pressure Vents

The High Performance **Flow²** PRD range of
Balanced Weight Pressure Relief Vents.

FOR ALL FIRE SUPPRESSION GASEOUS AGENTS

FEATURES:

- 4 Hour Fire Rated
- 90% Free Vent Area
- Two Way Venting
- Steel Welded Construction
- Life Time Guaranty
- Third Party Tested
- Certified Compliance
- Simple to Install
- Conforms to FIA guidance
- Vertical and Horizontal Mounting
- Made in the UK

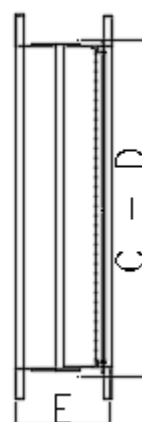
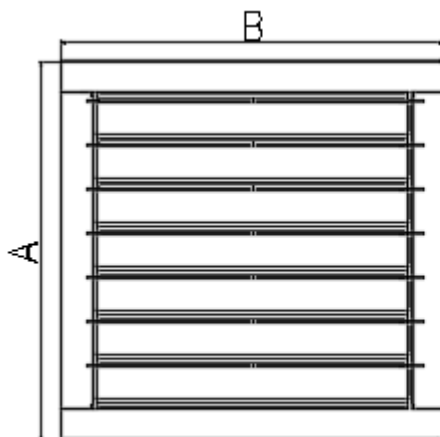


The All New **Flow²** Pressure Relief Vent



We are proud to launch the next generation in Pressure Vents that uses one vent design to provides single flow venting for Inert Gas Fire Suppression system and with the removal of one locking screw, it becomes a two way multi Flow pressure vent for Clean Agent fire suppression systems with Negative and positive pressures

Vent Size	MPV150	MPV300	MPV500	MPV700	MPV1000
A	280	420	700	930	1230
B	430	430	630	920	1220
C	320	310	520	710	1010
D	170	320	590	730	1020
E	(1mm to 375mm Wall thickness)				
Unit Weight	8kg	12kg	20kg	35kg	55kg
FVA @ M ² 100Pa	0.045/0.045	0.083/0.083	0.27/0.27	0.45/0.45	0.9/0.9
WALL CUTOUT SIZE	345Wx210H	345Wx365H	545Wx635H	745Wx765H	1050Wx1065H
Unit Finish	-	RAL9016 White.			
Fire Rating	-	4 Hours to BS EN1364			



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THE Flow² PRESSURE VENTS

TECHNICAL SUPPORT

We offer full technical design support and can calculate your free vent areas and cascade vent requirements

VENT CALCULATOR

We can offer you an excel spreadsheet based on the FIA and ISO standard calculation formulas for you to calculate your FVA for all the main Inert and Chemical agent Gases.

TURNKEY SOLUTIONS

We also offer full design services and can offer the full supply and installation service for all our products.

CONTACT DETAILS

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The new Flow² MPV Range of Pressure Relief Vents is a new development in the world of pressure relief vent for gaseous extinguishing system that provides a greater efficiency factor of free vent area at all pressures than its competitors. The pressure vent blades start to open at above 60 Pascal's and is fully open at 80 Pascal's pressure and can be calibrated using a Room Integrity Test Kit. The special design provides 90% free vent area for positive and up to the MPV1000 90% free vent area for negative pressure. The negative pressure venting is only used when venting Chemical Clean Agent s such as Novec and FM200 and is available by the simpler removal of a securing screw within the vent unit. This means that you need only one vent that can provide all the venting requirements for any type of fire suppression agent.

The range comes with a 4 hour fire rating to EN1364-1 & 2, Third Party Verification of its operation IN LIVE GAS DISCHARGE TESTS by an independent consult. Reports available on request

Features & Benefits

• 4 hour Fire Rated

There is only one other manufacture with its' full range fire rated for 4 hours. (See comparison chart)

• 90% free vent area

We have carried out a number of live gas discharges and venting simulations which have been witnessed by an independent consultant to verify our free vent areas.

• 100mm flanges on MPV700 & 1000

We have increased the flange size over our competitors with 60mm on the MPV150, 300 & 500 vents and 100mm on the MPV700 & 1000 to improve the installation and stability of our vents

• Solid welded construction.

The MPV and MPVB vents have a solid welded construction which eliminates flexing and blades sticking if installed incorrectly even if our vent is dropped it will work

• Aesthetically Pleasing design

Our vents are designed to blend in to the fabric of a risk. We don't have rivets or fixings visible and the unit is powder coated in a white finish (or clients choice of colour) To blend in.

• Manufactured in Britain

All our design and manufacturing is carried out in the UK. Nothing is sourced from China or any other country.

• Multi Flow vent in one vent.

By simply removing a securing screw the MPV vent it becomes a two way pressure vent. Less stock for our distributors and a simple vent to fit all applications.



Vertical and Horizontal Mounting Options



The MPV vents are designed to be vertically and horizontally mounted with no modification required. When mounted horizontally, the unit can only operate for Positive Pressure. If two way venting is required please contact APS for more options.

Delivery

Our PV range of vents are available within 24 to 48 hours of an order being placed. We hold large stock levels and can supply large orders within 2 to 4 working days.

Special Bespoke Sizes

We offer a total solutions package for our clients and will manufacture special vent solutions within 4 to 6 weeks of approval of design.

Special Vent Colours

We can supply our pressure vents in any colour you require. Please contact us for prices.

High-Pro DL Range – Dynamic Louvres



THE HIGH-PRO PRESSURE VENT DYNAMIC LOUVRE

The new High-Pro Range of Pressure Relief Vents is a new development in the world of pressure relief vent for gaseous extinguishing system that provides 100% EFFICACY AT 100 PASCAL'S this equates to a Free Vent Area of 92% with an RTOP of 1.1 at all pressures. This meant that we needed to develop a new Dynamic Louvre that provides a much higher free vent area than industry standard weather louvres and we also wanted to provide an excellent weather and wind seal as well as offering an option for thermal insulation.

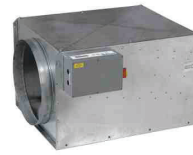
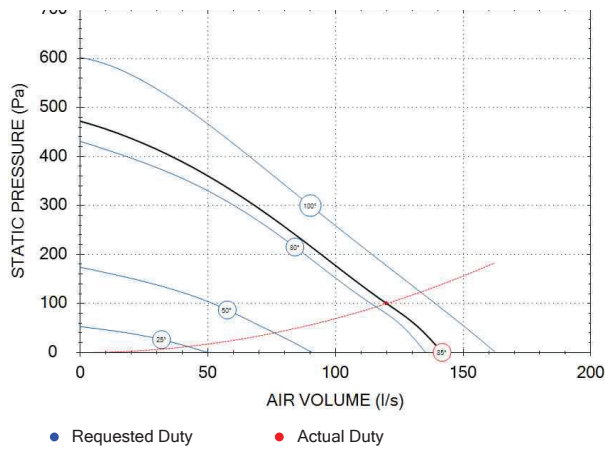
The main problem with standard Louvres is they only provide 50 to 60% free vent area. The new Dynamic Louvre we have developed not only provides 90% free vent area and is over sized to allow a greater FVA than the pressure vent. We have also used lighter blades and others on the market to reduce the differential pressure resistance and increase the free flow characteristics of the unit.

With the new High-Pro DL Dynamic Weather Louvre we can provide a system of pressure venting that is greatly superior to any other offering on the market. We also can provide thermal insulation to the DL to improve the buildings emission level and heat or cooling levels. This can be offered as an option to the standard unit.

The DL Weather Louvre is sized to match our High-Pro PV Pressure Vents in risks requiring a maximum over pressurisation of 100 Pascal's or above.

The New High-Pro DL Range from Air Pressure Solutions Ltd

Performance Chart



SENT125S

Customer Ref: EF/Pantry
Requested Duty: 120 l/s @ 100 Pa
Actual Duty: 100% match
Stock Reference: SENT125S
Product Description: Sentinel D-Box Single Fan
Product Type: Ventilation
Product Range: In-Line Fans
Impeller: Backward Curved
Casing: Aluzinc
Speed: Variable
Airstream Temperature: -25°C to 60°C
Specific Fan Power: 0.4 W/(l/s)
dBA: 33
Specific Fan Power & dB(A) shown are at duty point.

Acoustic Information

	63	125	250	500	1k	2k	4k	8k	Total	dBA@3m
Inlet	55	65	68	65	56	51	44	37	71	47
Outlet	56	68	72	68	65	62	56	47	75	50
Breakout	57	56	58	52	47	41	32	31	62	33

Sound Power Level Spectra dB (re 10^{-12} Watts)

For ducted units, sound power is given as In Duct with end reflections added.

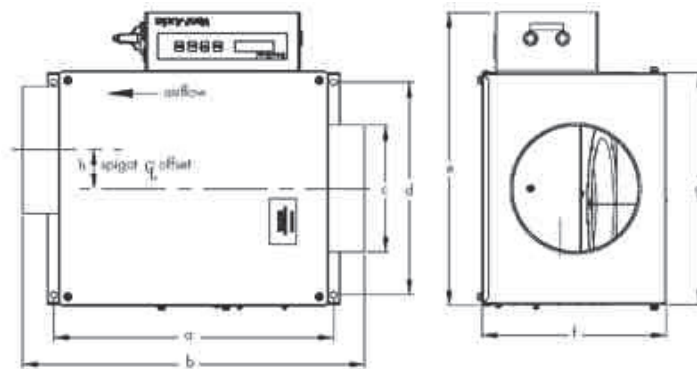
Stated dB(A) levels at 3m with spherical propagation at a reference level of 2×10^{-12} Pa

Warranty: Up to 5 years

Electrical Information

Watts: 59
Supply Voltage: 220-240V/1/50Hz
Full Load Current: 0.72 A
Starting Current: 0.72 A
Insulation: B
Motor IP Rating: IP44
Speed Controllable: In Built

Dimensions



a	b	c	d	e	f	g	h	Weight
380	443	125	275	400	192	306	62	8.5

Dimensions shown in mm
Weights in kg

Air Conditioning

Product Information

PKA-M R410A
Power Inverter Heat Pump
Wall Mounted System

Making a
World of
Difference

Mr.SUM.



The **PKA-M Power Inverter** range is a wall mounted system that blends a host of outstanding features with a sophisticated flat panel, streamlined design. Offering high seasonal efficiency, advanced control options and quiet operation, this range provides extreme flexibility and ease of installation.

Key Features

- Improved airflow control, including adjustable louvres for uniform air distribution
- Internal pipe connection to wall mounted unit for easy and neat installation
- CN22 connector as standard for connection to PAR-33MAA hard wired controller
- Replace Technology available



Cooling | Heating | Ventilation | Controls



Air Conditioning

Product Information

PKA-M R410A Power Inverter Heat Pump Wall Mounted System

Making a
World of
Difference



PKA-M - INDOOR UNITS		PKA-M35HA	PKA-M50HA	PKA-M60KA	PKA-M71KA	PKA-M100KA	PKA-M100KA
CAPACITY (kW)	Heating (nominal)	4.1 (1.6-5.2)	5.0 (2.5-7.3)	7.0 (2.8-8.2)	8.0 (3.5-10.2)	11.2 (4.5-14.0)	11.2 (4.5-14.0)
	Cooling (nominal)	3.6 (1.6-4.5)	4.6 (2.3-5.6)	6.1 (2.7-6.7)	7.1 (3.3-8.1)	9.5 (4.9-11.4)	9.5 (4.9-11.4)
	Heating (UK)	3.5 (1.35-4.4)	4.25 (2.15-6.2)	5.95 (2.4-6.95)	6.8 (3.0-8.65)	9.5 (3.85-11.9)	9.5 (3.85-11.9)
	Cooling (UK)	3.3 (1.45-4.15)	4.23 (2.1-5.15)	5.5 (2.5-6.15)	6.55 (3.05-7.45)	9.2 (4.5-10.5)	9.2 (4.5-10.5)
SHF (nominal)		0.81	0.72	0.86	0.78	0.73	0.73
COP / EER (nominal)		3.83 / 3.83	3.33 / 3.26	3.57 / 3.81	3.65 / 3.94	3.68 / 3.96	3.68 / 3.96
SCOP / SEER (BS EN14825)		3.9 / 5.9	4.0 / 5.4	4.2 / 6.5	4.3 / 6.7	4.1 / 6.3	4.1 / 6.2
ErP ENERGY EFFICIENCY CLASS	Heating/Cooling	A / A+	A+ / A	A+ / A++	A+ / A++	A+ / A++	A+ / A++
AIRFLOW (l/s)	Lo-Mi-Hi	150-175-200	150-175-200	300-333-367	300-333-367	333-383-433	333-383-433
PIPE SIZE mm (in)	Gas	12.7 (1/2")	12.7 (1/2")	15.88 (5/8")	15.88 (5/8")	15.88 (5/8")	15.88 (5/8")
	Liquid	6.35 (1/4")	6.35 (1/4")	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")
SOUND PRESSURE LEVEL (dBA)		36-40-43	36-40-43	39-42-45	39-42-45	41-45-49	41-45-49
SOUND POWER LEVEL (dBA)		60	60	64	64	65	65
DIMENSIONS (mm)	Width x Depth x Height	898 x 249 x 295	898 x 249 x 295	1170 x 295 x 365	1170 x 295 x 365	1170 x 295 x 365	1170 x 295 x 365
WEIGHT (kg)		13	13	21	21	21	21
ELECTRICAL SUPPLY		Fed by Outdoor Unit	Fed by Outdoor Unit	Fed by Outdoor Unit	Fed by Outdoor Unit	Fed by Outdoor Unit	Fed by Outdoor Unit
FUSE RATING (BS88) - HRC (A)		6	6	6	6	6	6
INTERCONNECTING CABLE No. Cores		4	4	4	4	4	4
WIRED REMOTE CONTROLLER REFERENCE		PAR-33MAA	PAR-33MAA	PAR-33MAA	PAR-33MAA	PAR-33MAA	PAR-33MAA
WIRELESS REMOTE CONTROLLER REFERENCE		PAR-FL32MA	PAR-FL32MA	PAR-FL32MA	PAR-FL32MA	PAR-FL32MA	PAR-FL32MA

PUHZ-ZRP - OUTDOOR UNITS		PUHZ-ZRP35VKA2	PUHZ-ZRP50VKA2	PUHZ-ZRP60VHA2	PUHZ-ZRP71VHA2	PUHZ-ZRP100VKA3	PUHZ-ZRP100VKA3 ^③
SOUND PRESSURE LEVEL (dBA)	Heating/Cooling	46 / 44	46 / 44	48 / 47	48 / 47	51 / 49	51 / 49
	Cooling	65	65	67	67	69	69
WEIGHT (kg)		43	46	70	70	116	123
DIMENSIONS (mm)	Width x Depth x Height	809 x 300 x 630	809 x 300 x 630	950 x 330 + 30 x 943	950 x 330 + 30 x 943	1050 x 330 + 40 x 1338	1050 x 330 + 40 x 1338
ELECTRICAL SUPPLY		220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz	380-415v, 50Hz
PHASE		Single	Single	Single	Single	Single	Three
SYSTEM POWER INPUT (kW)	Heating/Cooling (nominal)	1.07 / 0.94	1.50 / 1.41	1.96 / 1.60	2.19 / 1.80	3.04 / 2.40	3.04 / 2.40
	Heating/Cooling (UK)	0.89 / 0.80	1.26 / 1.20	1.64 / 1.36	1.84 / 1.53	2.55 / 2.04	2.55 / 2.04
STARTING CURRENT (A)		4.0	5.0	5.0	6.0	12.0	4.0
SYSTEM RUNNING CURRENT (A)	Heating/Cooling [MAX]	4.22 / 3.94 [13.4]	7.16 / 6.59 [13.4]	9.23 / 8.11 [19.4]	7.75 / 7.79 [19.4]	11.35 / 11.26 [27.1]	4.06 / 4.03 [8.6]
FUSE RATING (BS88) - HRC (A)		16	16	25	25	32	16
MAINS CABLE No. Cores		3	3	3	3	3	5
MAX PIPE LENGTH (m)		50	50	50	50	75	75
MAX HEIGHT DIFFERENCE (m)		30	30	30	30	30	30
CHARGE REFRIGERANT (kg) / CO ₂ EQUIVALENT (t)							
R410A (GWP 2088) - 30m		2.20 / 4.59	2.40 / 5.01	3.50 / 7.31	3.50 / 7.31	5.00 / 10.44	5.00 / 10.44
MAX ADDITIONAL REFRIGERANT (kg) / CO ₂ EQUIVALENT (t)							
R410A (GWP 2088)		0.40 / 0.84	0.40 / 0.84	1.20 / 2.51	1.20 / 2.51	2.40 / 5.01	2.40 / 5.01

③ Three Phase

PRODUCT DIMENSIONS		PKA-M35/50HA	PRODUCT DIMENSIONS		PKA-M60/71/100KA
Upper View			Upper View		
Side View			Side View		
Front View			Front View		



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Note: The fuse rating is for guidance only. Please refer to the relevant databook for detailed specification. It is the responsibility of a qualified electrician/electrical engineer to select the correct cable size and fuse rating based on current regulation and site specific conditions. Mitsubishi Electric's air conditioning equipment and heat pump systems contain a fluorinated greenhouse gas, R410A (GWP:2088), R32 (GWP:675), R407C (GWP:1774) or R134a (GWP:1430). *These GWP values are based on Regulation (EU) No 517/2014 from IPCC 4th edition. In case of Regulation (EU) No.626/2011 from IPCC 3rd edition, these are as follows: R410A (GWP:1975), R32 (GWP: 550), R407C (GWP:1650) or R134a (GWP:1300).



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Effective as of September 2017

TECHNICAL SPECIFICATION SHEETS

Version: AHU SELECT

Version Date: 01/01/2017

PROJECT DETAILS

Date	Project No	Unit No	Project Reference
10/03/2020	SQ075434-0320-2626-RMB	SQ075434-0320-2626-RMB-1-2	Take 2, 30 Cleveland Street
Customer	Rev Date	EN 1886.	Customer Reference
GDM Partnership	10/03/2020	///	AHU01
Supply Flowrate	Supply Velocity	Return Flowrate	Return Velocity
0.860 m ³ /s	1.143 m/s	0.860 m ³ /s	1.337 m/s

UNIT CONSTRUCTION

Unit Location	Framework	Panel Thickness	Panel Internal Sheet
Internal	30mm profile	25 mm	Galv
Unit Model	Frame Coating	Panel External Sheet	Panel Insulation
Non-standard	Natural	Plastisol Merlin Grey	Mineral Wool 25
Access Side	Base Frame	Roof Type	Reinforced Floor
Right	Aluminium 100x30	None	None

SECTION WEIGHTS AND DIMENSIONS

Section No.	Length mm	Width mm	Height mm	Weight kg
A	520	1150	850	37
B	520	1150	850	48
C	620	1150	850	147
D	590	1150	850	93
E	590	1150	850	81
F	610	1150	850	62
G	590	1150	650	47
H	570	1150	650	145
I	290	1150	650	20
J	590	1150	650	37
K	290	1150	650	20
L	590	1150	650	71
M	520	1150	650	30

OVERALL UNIT DIMENSIONS AND CENTRE OF GRAVITY

Length mm	Width mm	Height mm	Weight kg	COG X mm
3450	1150	1500	838	1841

001 INLET SECTION

Air Flow	Air Velocity	Pressure Drop	Depth	Dimension
0.860 m ³ /s	4.250 m/s	0 Pa	None	450 x 450 mm
Damper	Damper Class	Damper Material	Damper Blades	Product
None	None	None	None	Spigot 75

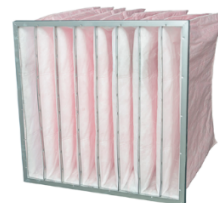
TECHNICAL SPECIFICATION SHEETS

Version: AHU SELECT

Version Date: 01/01/2017

002 PANEL AND BAG FILTER

Class/Type	Clean Pd	Mean Pd	Dirty Pd	Qty/Size1	Qty/Size2	Qty/Size3
G4 / Panel	43.1 Pa	96.6 Pa	150 Pa	1 x 596 x 596 x 44 mm	1 x 296 x 596 x 44 mm	None
Withdrawal	Length	Velocity	Model	Efficiency	Media	
Side	50 mm	1.650 m/s	Perfect Pleat	90% < Am EN779:2012	Synthetic Media - Beverage Board	
Class/ Type	Clean Pd	Mean Pd	Dirty Pd	Qty/Size1	Qty/Size2	Qty/Size3
F7 / Bag	60.1 Pa	130.1 Pa	200 Pa	1 x 592 x 592 x 380 mm	1 x 287 x 592 x 380 mm	None
Withdrawal	Length	Velocity	Model	Efficiency	Media	
Side	380 mm	1.650 m/s	DRIPAK SX	80<Em<90	Synthetic Fibre	



002 ACCESSORIES

Pressure Gauge (Magnehelic) x2

Pressure Switch IP21 x2

002 ACCESS DOOR

Dimension	Type
460 X 690 mm	Hinged door

003 RUN AROUND HOT WATER HEATING COIL - LW -1/2-17-13-11-905(4)R12.82_RHS

Volume	Air On Coil Db	Air Off Coil Db	Duty	Construction	Inlet connection
0.860 m³/s	-5 °C	13 °C	18.8 kW	Copper / Aluminium	1"
Face Velocity	Flow Temp	Return Temp	Medium	Rows/Fins	Outlet connection
1.760 m/s	17.5 °C	0.8 °C	LTHW	13 R / 2.31mm (11/inch) F	1"
Flow Rate	Water Pd	Air Pd	No of Sections		
0.3 l/s	49 kPa	91 Pa	1		



003 ACCESS DOOR

Dimension	Type
560 X 690 mm	Coil Panel

TECHNICAL SPECIFICATION SHEETS

Version: AHU SELECT

Version Date: 01/01/2017

004 DX COOLING COIL - DX -1/2-16-3-8-905(3)R2.76_RHS

Air Volume	Air On Coil Db	Air On Coil Wb	Air On RH	Construction	Inlet connection
0.860 m³/s	30 °C	21 °C	44.8 %	Copper/ Aluminium	1 x 7/8"
Face Velocity	Air OFF Coil Db	Air Off Coil Wb	Air Off RH	Rows/Fins	Outlet connection
1.870 m/s	18 °C	15.9 °C	81.1 %	3 R / 3.18mm (8/10) F	1 x 1/2"
Duty	Medium	Air Pd	No of Sections	Eliminators	Internal Volume
16.7 kW	Refrigerant R410a	22 Pa	1	not needed - Not Incl.	6.20 m³



004 ACCESS DOOR

Dimension	Type
310 X 690 mm	Coil Panel

005 PLENUM

006 SUPPLY PLENUM FAN

Fan Type		Wheel Type		Drive Type				
EC		Backward Curve		DirectDrive				
Model		Impeller Diam.		Abs Power				
GR31I-ZID.DC.CR-116890/A01		315 mm		0.69 kW				
Quantity		Duty % Per Fan		Poles				
1		Single Fan						
Air Flow Volume		Outlet Velocity		Motor Speed				
0.860 m³/s		1.140 m/s		4020 rpm				
Ext Static Pressure		Fan Speed		Power				
150 Pa		2442 rpm		3 kW				
Unit Static Pressure		Static Efficiency		FLC				
502 Pa		62.2%		3.8 A				
Fan Total Pressure		VSD		Volts/Ph/Hz				
521.7 Pa		Inverter		400/3/50				
Frequency	63 Hz	125 Hz	250 Hz	500 Hz	1k Hz	2k Hz	4k Hz	8k Hz
Inlet (1)	69	67	69	68	62	60	59	59
Outlet (2)	69	70	76	73	73	72	67	66
(1) SWL INSIDE The Inlet Duct (dB)					(2) SWL INSIDE The Outlet Duct (dB)			

006 ACCESSORIES

Bulkhead Light
Light Switch

006 ACCESS DOOR

Dimension	Type
520 X 690 mm	Hinged door

TECHNICAL SPECIFICATION SHEETS

Version: AHU SELECT

Version Date: 01/01/2017

007 PLENUM

008 ELECTRIC HEATING COIL -

Air Volume	Air On Coil Db	Air Off Coil Db	Duty	Air Pressure Drop	Voltage	
0.860 m³/s	13 °C	18 °C	5.2 kW	12 Pa	400V 3PH 50HZ	
Number of Steps	Maximum Heater Duty					
1	6 kW					

008 ACCESS DOOR

Dimension	Type
300 X 690 mm	Coil Panel

009 OUTLET SECTION

Air Flow	Air Velocity	Pressure Drop	Depth	Dimension
0.860 m³/s	1.140 m/s	0 Pa	None	1090 x 690 mm
Damper	Damper Class	Damper Material	Damper Blades	Product
None	None	None	None	Spigot 75

010 INLET SECTION

Air Flow	Air Velocity	Pressure Drop	Depth	Dimension
0.860 m³/s	1.340 m/s	0 Pa	None	1090 x 590 mm
Damper	Damper Class	Damper Material	Damper Blades	Product
None	None	None	None	Spigot 75

011 PANEL FILTER

Class/Type	Clean Pd	Mean Pd	Dirty Pd	Qty/Size1	Qty/Size2	Qty/Size3	
G4 / Panel	59.7 Pa	104.8 Pa	150 Pa	1 x 596 x 496 x 94 mm	None	None	
Withdrawal	Length	Velocity	Model	Efficiency	Media		
Side	100 mm	2.910 m/s	Perfect Pleat	90% < Am EN779:2012	Synthetic Media - Beverage Board		

011 ACCESSORIES

Pressure Gauge (Magnehelic)
Pressure Switch IP21/DIM,100,d,100,150

TECHNICAL SPECIFICATION SHEETS

Version:AHU SELECT

Version Date: 01/01/2017

011 ACCESS DOOR

Dimension	Type
300 X 590 mm	Hinged door

Click here to enter text. RUN AROUND CHILLED WATER COOLING COIL - Click here to enter text.

Volume	Air On Coil Db	Air On Coil Wb	Air On RH	Construction	Inlet connection
0.860 m³/s	21 °C	14.6 °C	50.1 %	Copper / Aluminium	1"
Face Velocity	Air OFF Coil Db	Air Off Coil Wb	Air Off RH	Rows/Fins	Outlet connection
1.460 m/s	6.3 °C	6 °C	95.6 %	11 R / 2.12mm (12/inch) F	1"
Duty	Flow Temp	Return Temp	Medium	Eliminators	
20.9 kW	0.8 °C	17.5 °C	Chilled Water	not needed - Not Incl.	
Flow Rate	Water Pd	Air Pd	No of Sections		
0.3 l/s	54 kPa	74 Pa	1		



012 ACCESS DOOR

Dimension	Type
510 X 590 mm	Coil Panel

013 PLENUM

0014 ACCESS

Air Flow	Length
0.860 m³/s	520 mm

014 ACCESS DOOR

Dimension	Type
530 X 590 mm	Hinged door

015 PLENUM

TECHNICAL SPECIFICATION SHEETS

Version: AHU SELECT

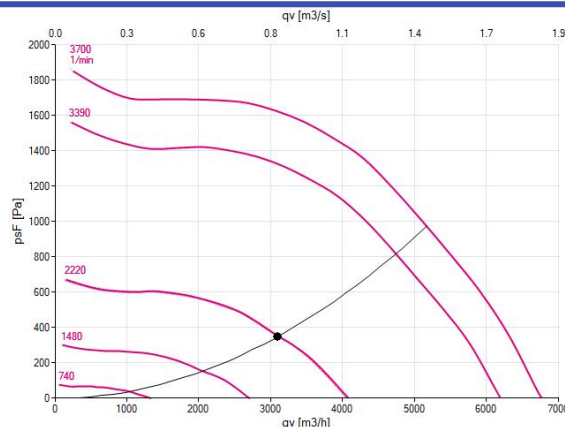
Version Date: 01/01/2017

016 EXHAUST PLENUM FAN

Fan Type	Wheel Type	Drive Type
EC	Backward Curve	DirectDrive
Model	Impeller Diam.	Abs Power
GR31I-ZID.DC.CR-116889/A01	315 mm	0.59 kW
Quantity	Duty % Per Fan	Poles
1	Single Fan	
Air Flow Volume	Outlet Velocity	Motor Speed
0.860 m³/s	1.340 m/s	3700 rpm
Ext Static Pressure	Fan Speed	Power
150 Pa	2346 rpm	2.4 kW
Unit Static Pressure	Static Efficiency	FLC
329 Pa	48.1%	3 A
Fan Total Pressure	VSD	Volts/Ph/Hz
348.7 Pa	Inverter	400/3/50

Frequency	63 Hz	125 Hz	250 Hz	500 Hz	1k Hz	2k Hz	4k Hz	8k Hz
Inlet (1)	68	70	71	70	63	59	58	61
Outlet (2)	68	72	75	73	73	71	68	68

(1) SWL INSIDE The Inlet Duct (dB) (2) SWL INSIDE The Outlet Duct (dB)



016 ACCESSORIES

Bulkhead Light

Light Switch

016 ACCESS DOOR

Dimension	Type
520 X 590 mm	Hinged door

017 OUTLET SECTION

Air Flow	Air Velocity	Pressure Drop	Depth	Dimension
0.860 m³/s	4.250 m/s	0 Pa	None	450 x 450 mm
Damper	Damper Class	Damper Material	Damper Blades	Product
None	None	None	None	Spigot 75

AHU ACOUSTIC DATA SUPPLY SECTION

Description	63Hz	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz	Overall dB(A)
Outlet Sound Power(dB)		70	76	73	73	72	67	66	78
Inlet Sound Power(dB)		60	62	61	52	49	41	40	60
Case Breakout sound power (dB)		53	50	35	34	38	35	26	45

TECHNICAL SPECIFICATION SHEETS

Version: AHU SELECT

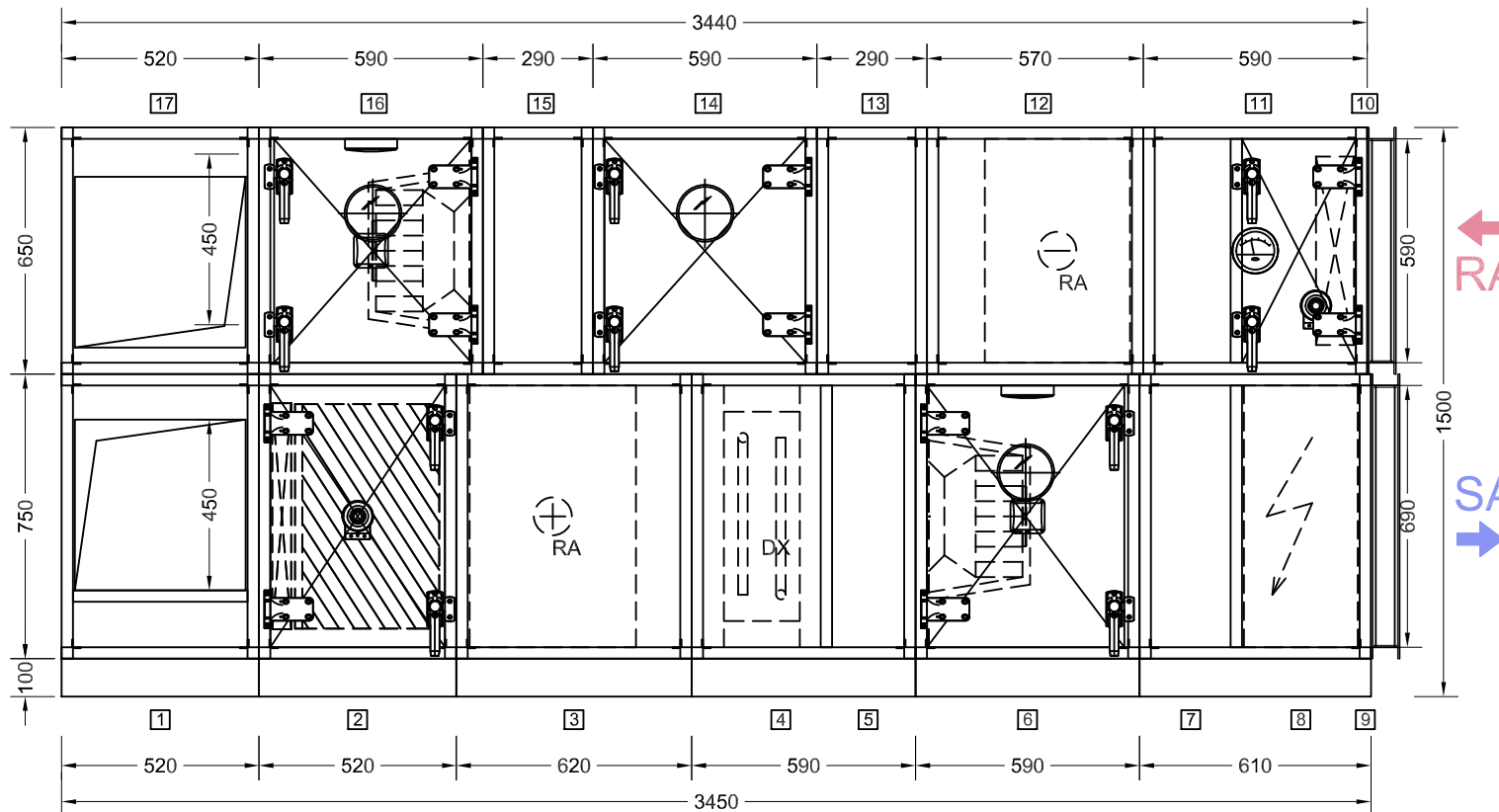
Version Date: 01/01/2017

AHU ACOUSTIC DATA EXHAUST SECTION

Description	63Hz	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz	Overall dB(A)
Outlet Sound Power(dB)		72	75	73	73	71	68	68	78
Inlet Sound Power(dB)		66	67	66	57	50	42	44	66
Case Breakout sound power (dB)		55	48	35	34	38	36	28	45

SPECIFIC FAN POWER

Supply Fan		Extract Fan	
Filter Conditions	Clean	Filter Conditions	Clean
Absorbed Power	.56 Kw	Absorbed Power	.54 Kw
Drive Efficiency	100%	Drive Efficiency	100%
Inverter Efficiency	98%	Inverter Efficiency	100%
Motor Efficiency	100%	Motor Efficiency	100%
Air Volume	.860 m3/s	Air Volume	.860 m3/s
Motor Efficiency Class	EC	Motor Efficiency Class	EC
AHU SFP	1.29 Kw/m3/s		



ELEVATION

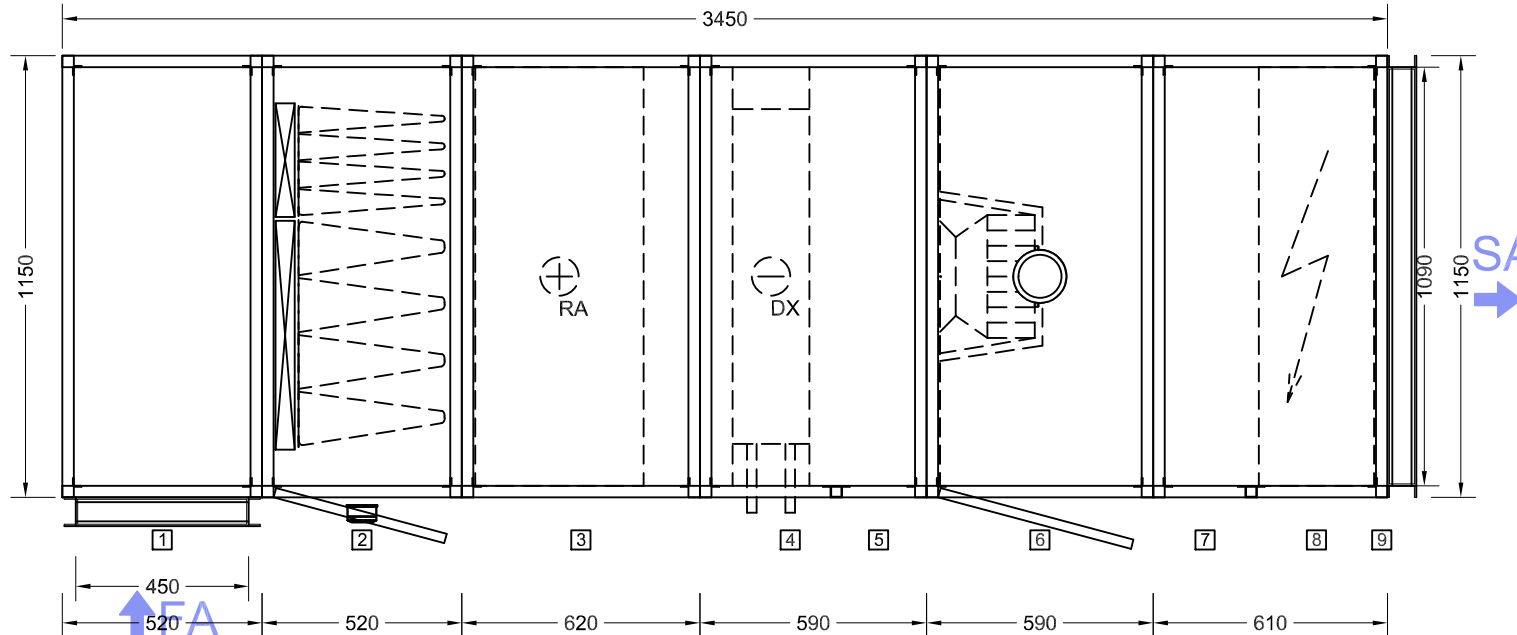
Supply:
 Size: Non-standard
 Airflow: 0.8600 m³/s
 E.S.P.: 150 Pa
 Coil Vel: 1.76 m/s
 Exhaust:
 Size: Non-standard
 Airflow: 0.8600 m³/s
 E.S.P.: 150 Pa
 Coil Vel: 1.76 m/s
 Unit Wgt: 838.18 kg

Section A:	
S.No	Module
1	Inlet Section
2	Panel & Bag Filter
Section B:	
S.No	Module
3	Run Around Heater (Supply)
Section C:	
S.No	Module
4	DX Cooling coil
5	Plenum
Section D:	
S.No	Module
6	Plenum Fan
Section E:	
S.No	Module
7	Plenum
8	Electric Heater Battery
9	Outlet Section
Section F:	
S.No	Module
10	Inlet Section
11	Panel Filter
Section G:	
S.No	Module
12	Run Around Cooler (Exhaust)
Section H:	
S.No	Module
13	Plenum
Section I:	
S.No	Module
14	Access Section
Section J:	
S.No	Module
15	Plenum
Section K:	
S.No	Module
16	Plenum Fan
Section L:	
S.No	Module
17	Outlet Section

Customer		GDM Partnership	AHU No. 1		Model Non-standard		Air flow 0.86 m ³ /s		Location AHU01		Quantity 1		Nos.	
Project		Take 2, 30 Cleveland Street	Not To Scale		All Dimensions shown are in mm		All dimensions shown are estimated. Detailed drawings to be produced on receipt of order.		Selected		Initial		Date	
Location		AHU01	Approved		Dwg No.									



Supply:
 Size: Non-standard
 Airflow: 0.8600 m3/s
 E.S.P.: 150 Pa
 Coil Vel: 1.76 m/s
 Exhaust:
 Size: Non-standard
 Airflow: 0.8600 m3/s
 E.S.P.: 150 Pa
 Coil Vel: 1.76 m/s
 Unit Wgt: 838.18 kg



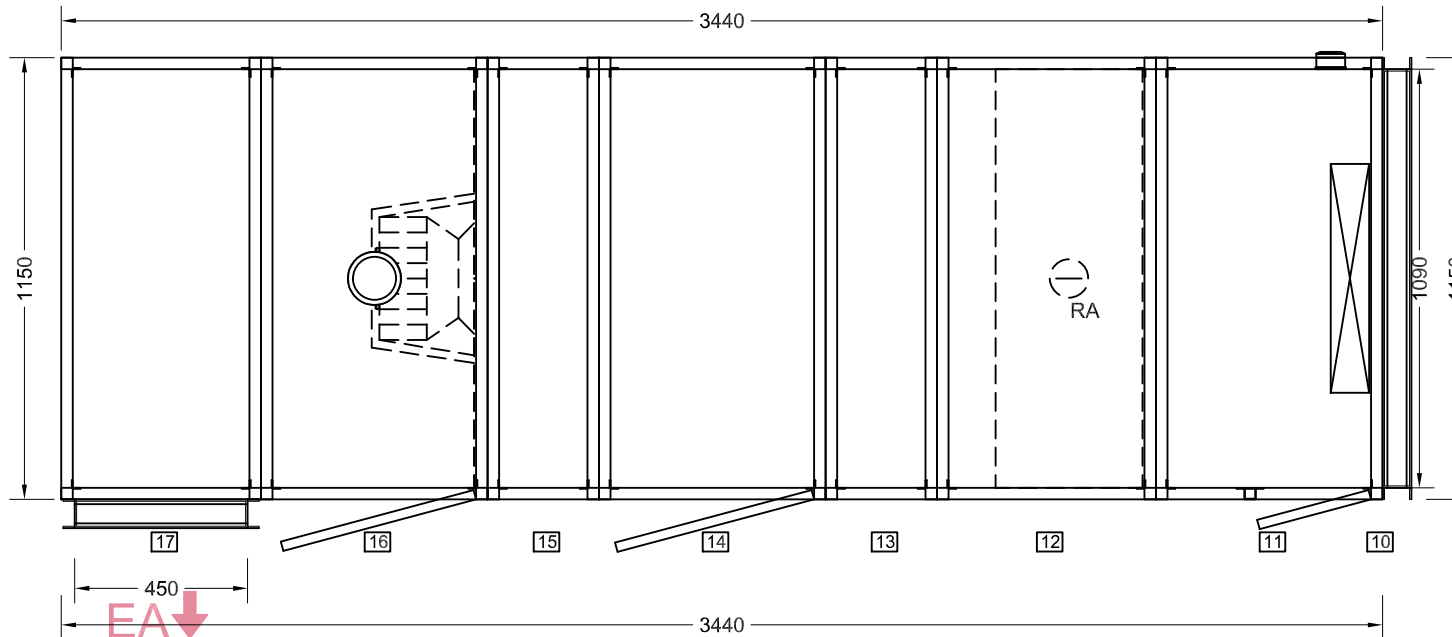
Section A:	
S.NoModule	Length(mm)
1 Inlet Section	490
Section B:	
S.NoModule	Length(mm)
2 Panel & Bag Filter	490
Section C:	
S.NoModule	Length(mm)
3 Run Around Heater (Supply)	560
Section D:	
S.NoModule	Length(mm)
4 DX Cooling coil	340
5 Plenum	220
Section E:	
S.NoModule	Length(mm)
6 Plenum Fan	560
Section F:	
S.NoModule	Length(mm)
7 Plenum	240
8 Electric Heater Battery	340
9 Outlet Section	
Section G:	
S.NoModule	Length(mm)
10 Inlet Section	
11 Panel Filter	560
Section H:	
S.NoModule	Length(mm)
12 Run Around Cooler (Exhaust)	560
Section I:	
S.NoModule	Length(mm)
13 Plenum	260
Section J:	
S.NoModule	Length(mm)
14 Access Section	560
Section K:	
S.NoModule	Length(mm)
15 Plenum	260
Section L:	
S.NoModule	Length(mm)
16 Plenum Fan	560
Section M:	
S.NoModule	Length(mm)
17 Outlet Section	490

PLAN LOWER DECK

Customer		GDM Partnership		AHU No. 1		Model Non-standard		Air flow 0.86 m3/s		Quantity 1 Nos.	
Project		Take 2, 30 Cleveland Street		AHU01		Not To Scale		All Dimensions shown are in mm		All dimensions shown are estimated. Detailed drawings to be produced on receipt of order.	
Location		FOX WAY, LEEDS, LS10 1PS		UNIT B, NATIONAL COURT		Selected		Initial		Date	
						Approved					
						Dwg No.					



Supply:
 Size: Non-standard
 Airflow: 0.8600 m3/s
 E.S.P.: 150 Pa
 Coil Vel: 1.76 m/s
 Exhaust:
 Size: Non-standard
 Airflow: 0.8600 m3/s
 E.S.P.: 150 Pa
 Coil Vel: 1.76 m/s
 Unit Wgt: 838.18 kg



Section A:	
S.No	Module Length(mm)
1	Inlet Section 490
Section B:	
S.No	Module Length(mm)
2	Panel & Bag Filter 490
Section C:	
S.No	Module Length(mm)
3	Run Around Heater (Supply)
Section D:	
S.No	Module Length(mm)
4	DX Cooling coil 340
5	Plenum 220
Section E:	
S.No	Module Length(mm)
6	Plenum Fan 560
Section F:	
S.No	Module Length(mm)
7	Plenum 240
8	Electric Heater Battery 340
9	Outlet Section
Section G:	
S.No	Module Length(mm)
10	Inlet Section
11	Panel Filter 560
Section H:	
S.No	Module Length(mm)
12	Run Around Cooler (Exhaust)
Section I:	
S.No	Module Length(mm)
13	Plenum 260
Section J:	
S.No	Module Length(mm)
14	Access Section 560
Section K:	
S.No	Module Length(mm)
15	Plenum 260
Section L:	
S.No	Module Length(mm)
16	Plenum Fan 560
Section M:	
S.No	Module Length(mm)
17	Outlet Section 490

PLAN UPPER DECK

Customer		GDM Partnership		AHU No. 1		Model Non-standard		Not To Scale All Dimensions shown are in mm		All dimensions shown are estimated. Detailed drawings to be produced on receipt of order.	
Project		Take 2, 30 Cleveland Street		Air flow		0.86 m3/s		Selected		Initial	
Location		AHU01		Quantity		1 Nos.		Approved		Date	
								Dwg No.			



UNIT B, NATIONAL COURT
 FOX WAY, LEEDS, LS10 1PS
 Ph: (+44) 0113 218 6100
 Fax: (+44) 0113 218 6101

TECHNICAL SPECIFICATION SHEETS

Version: AHU SELECT

Version Date: 01/01/2017

PROJECT DETAILS

Date	Project No	Unit No	Project Reference
10/03/2020	SQ075434-0320-2626-RMB	SQ075434-0320-2626-RMB-1-2	Take 2, 30 Cleveland Street
Customer	Rev Date	EN 1886.	Customer Reference
GDM Partnership	10/03/2020	///	AHU02
Supply Flowrate	Supply Velocity	Return Flowrate	Return Velocity
0.840 m ³ /s	1.117 m/s	0.840 m ³ /s	1.306 m/s

UNIT CONSTRUCTION

Unit Location	Framework	Panel Thickness	Panel Internal Sheet
Internal	30mm profile	25 mm	Galv
Unit Model	Frame Coating	Panel External Sheet	Panel Insulation
Non-standard	Natural	Plastisol Merlin Grey	Mineral Wool 25
Access Side	Base Frame	Roof Type	Reinforced Floor
Right	Aluminium 100x30	None	None

SECTION WEIGHTS AND DIMENSIONS

Section No.	Length mm	Width mm	Height mm	Weight kg
A	520	1150	850	37
B	520	1150	850	46
C	570	1150	850	141
D	590	1150	850	96
E	570	1150	850	80
F	610	1150	850	62
G	590	1150	650	47
H	520	1150	650	135
I	245	1150	650	17
J	590	1150	650	37
K	245	1150	650	17
L	590	1150	650	74
M	520	1150	650	30

OVERALL UNIT DIMENSIONS AND CENTRE OF GRAVITY

Length mm	Width mm	Height mm	Weight kg	COG X mm
3380	1150	1500	820	1783

001 INLET SECTION

Air Flow	Air Velocity	Pressure Drop	Depth	Dimension
0.840 m ³ /s	4.150 m/s	0 Pa	None	450 x 450 mm
Damper	Damper Class	Damper Material	Damper Blades	Product
None	None	None	None	Spigot 75

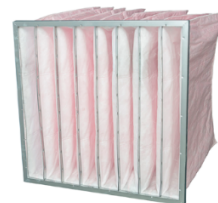
TECHNICAL SPECIFICATION SHEETS

Version: AHU SELECT

Version Date: 01/01/2017

002 PANEL AND BAG FILTER

Class/Type	Clean Pd	Mean Pd	Dirty Pd	Qty/Size1	Qty/Size2	Qty/Size3
G4 / Panel	42.1 Pa	96.1 Pa	150 Pa	1 x 596 x 596 x 44 mm	1 x 296 x 596 x 44 mm	None
Withdrawal	Length	Velocity	Model	Efficiency	Media	
Side	50 mm	1.610 m/s	Perfect Pleat	90% < Am EN779:2012	Synthetic Media - Beverage Board	
Class/ Type	Clean Pd	Mean Pd	Dirty Pd	Qty/Size1	Qty/Size2	Qty/Size3
F7 / Bag	44.8 Pa	247.4 Pa	450 Pa	1 x 592 x 592 x 380 mm	1 x 287 x 592 x 380 mm	None
Withdrawal	Length	Velocity	Model	Efficiency	Media	
Side	380 mm	1.610 m/s	Soft Pocket Bag Filter	epm2.5 70%	100% Synthetic	



002 ACCESSORIES

Pressure Gauge (Magnehelic) x2

Pressure Switch IP21 x2

002 ACCESS DOOR

Dimension	Type
460 X 690 mm	Hinged door

003 RUN AROUND HOT WATER HEATING COIL - LW -1/2-17-12-12-905(4)R11.33_RHS

Volume	Air On Coil Db	Air Off Coil Db	Duty	Construction	Inlet connection
0.840 m³/s	-5 °C	13.2 °C	18.5 kW	Copper / Aluminium	1"
Face Velocity	Flow Temp	Return Temp	Medium	Rows/Fins	Outlet connection
1.720 m/s	17.6 °C	0.8 °C	LTHW	12 R / 2.12mm (12/inch) F	1"
Flow Rate	Water Pd	Air Pd	No of Sections		
0.3 l/s	41 kPa	80 Pa	1		



003 ACCESS DOOR

Dimension	Type
510 X 690 mm	Coil Panel

TECHNICAL SPECIFICATION SHEETS

Version: AHU SELECT

Version Date: 01/01/2017

004 DX COOLING COIL - DXR-1/2-16-3-8-905(3)R2.75_RHS

Air Volume	Air On Coil Db	Air On Coil Wb	Air On RH	Construction	Inlet connection
0.840 m³/s	30 °C	21 °C	44.8 %	Copper/ Aluminium	1 x 7/8"
Face Velocity	Air OFF Coil Db	Air Off Coil Wb	Air Off RH	Rows/Fins	Outlet connection
1.830 m/s	18 °C	15.9 °C	81.1 %	3 R / 3.18mm (8/10) F	1 x 1/2"
Duty	Medium	Air Pd	No of Sections	Eliminators	Internal Volume
16.3 kW	Refrigerant R410a	21 Pa	1	not needed - Not Incl.	6.20 m³



004 ACCESS DOOR

Dimension	Type
310 X 690 mm	Coil Panel

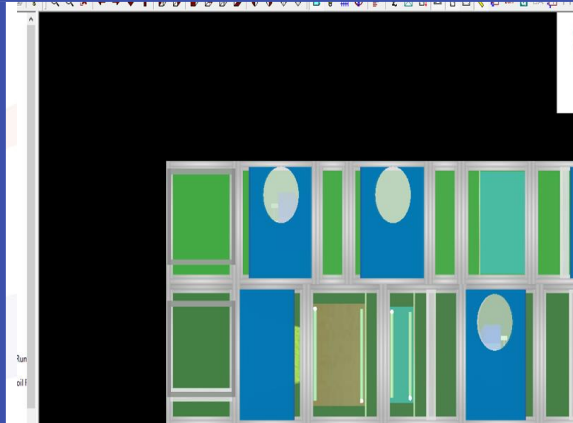
005 PLENUM

006 SUPPLY PLENUM FAN

Fan Type	Wheel Type	Drive Type
EC	Backward Curve	DirectDrive
Model	Impeller Diam.	Abs Power
GR31I-ZID.DC.CR-116890/A01	315 mm	0.91 kW
Quantity	Duty % Per Fan	Poles
1	Single Fan	
Air Flow Volume	Outlet Velocity	Motor Speed
0.840 m³/s	1.120 m/s	4020 rpm
Ext Static Pressure	Fan Speed	Power
250 Pa	2672 rpm	3 kW
Unit Static Pressure	Static Efficiency	FLC
706 Pa	65.3%	3.8 A
Fan Total Pressure	VSD	Volts/Ph/Hz
724.8 Pa	Inverter	400/3/50

Frequency	63 Hz	125 Hz	250 Hz	500 Hz	1k Hz	2k Hz	4k Hz	8k Hz
Inlet (1)	65	63	70	68	64	62	59	57
Outlet (2)	67	68	77	74	76	74	69	66

(1) SWL INSIDE The Inlet Duct (dB) (2) SWL INSIDE The Outlet Duct (dB)



006 ACCESSORIES

Bulkhead Light
Light Switch

006 ACCESS DOOR

Dimension	Type
500 X 690 mm	Hinged door

TECHNICAL SPECIFICATION SHEETS

Version: AHU SELECT

Version Date: 01/01/2017

007 PLENUM

008 ELECTRIC HEATING COIL -

Air Volume	Air On Coil Db	Air Off Coil Db	Duty	Air Pressure Drop	Voltage	
0.840 m³/s	13 °C	18 °C	5.1 kW	12 Pa	400V 3PH 50HZ	
Number of Steps	Maximum Heater Duty					
1	6 kW					

008 ACCESS DOOR

Dimension	Type
300 X 690 mm	Coil Panel

009 OUTLET SECTION

Air Flow	Air Velocity	Pressure Drop	Depth	Dimension
0.840 m³/s	1.120 m/s	0 Pa	None	1090 x 690 mm
Damper	Damper Class	Damper Material	Damper Blades	Product
None	None	None	None	Spigot 75

010 INLET SECTION

Air Flow	Air Velocity	Pressure Drop	Depth	Dimension
0.840 m³/s	1.310 m/s	0 Pa	None	1090 x 590 mm
Damper	Damper Class	Damper Material	Damper Blades	Product
None	None	None	None	Spigot 75

011 PANEL FILTER

Class/Type	Clean Pd	Mean Pd	Dirty Pd	Qty/Size1	Qty/Size2	Qty/Size3	
G4 / Panel	58.3 Pa	104.1 Pa	150 Pa	1 x 596 x 496 x 94 mm	None	None	
Withdrawal	Length	Velocity	Model	Efficiency	Media		
Side	100 mm	2.840 m/s	Perfect Pleat	90% < Am EN779:2012	Synthetic Media - Beverage Board		

011 ACCESSORIES

Pressure Gauge (Magnehelic)
Pressure Switch IP21/DIM,100,d,100,150

TECHNICAL SPECIFICATION SHEETS

Version: AHU SELECT

Version Date: 01/01/2017

011 ACCESS DOOR

Dimension	Type
300 X 590 mm	Hinged door

Click here to enter text. RUN AROUND CHILLED WATER COOLING COIL - Click here to enter text.

Volume	Air On Coil Db	Air On Coil Wb	Air On RH	Construction	Inlet connection
0.840 m³/s	21 °C	14.6 °C	50.1 %	Copper / Aluminium	1"
Face Velocity	Air OFF Coil Db	Air Off Coil Wb	Air Off RH	Rows/Fins	Outlet connection
1.430 m/s	7.4 °C	6.9 °C	93.7 %	10 R / 2.12mm (12/inch) F	1"
Duty	Flow Temp	Return Temp	Medium	Eliminators	
18.5 kW	0.8 °C	17.6 °C	Chilled Water	not needed - Not Incl.	
Flow Rate	Water Pd	Air Pd	No of Sections		
0.3 l/s	39 kPa	63 Pa	1		



012 ACCESS DOOR

Dimension	Type
460 X 590 mm	Coil Panel

013 PLENUM

0014 ACCESS

Air Flow	Length
0.840 m³/s	520 mm

014 ACCESS DOOR

Dimension	Type
530 X 590 mm	Hinged door

015 PLENUM

TECHNICAL SPECIFICATION SHEETS

Version: AHU SELECT

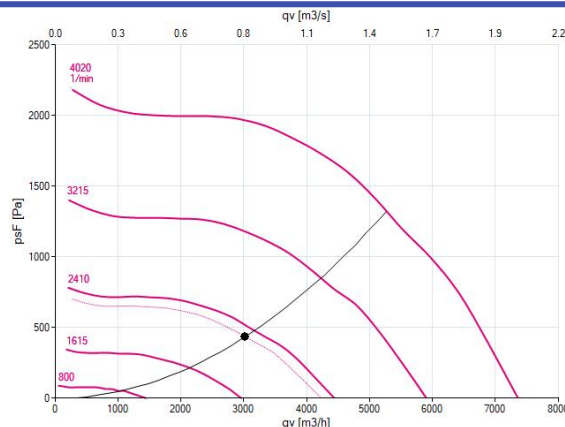
Version Date: 01/01/2017

016 EXHAUST PLENUM FAN

Fan Type	Wheel Type	Drive Type
EC	Backward Curve	DirectDrive
Model	Impeller Diam.	Abs Power
GR31I-ZID.DC.CR-116890/A01	315 mm	0.67 kW
Quantity	Duty % Per Fan	Poles
1	Single Fan	
Air Flow Volume	Outlet Velocity	Motor Speed
0.840 m³/s	1.310 m/s	4020 rpm
Ext Static Pressure	Fan Speed	Power
250 Pa	2425 rpm	3 kW
Unit Static Pressure	Static Efficiency	FLC
417 Pa	52.4%	3.8 A
Fan Total Pressure	VSD	Volts/Ph/Hz
435.8 Pa	Inverter	400/3/50

Frequency	63 Hz	125 Hz	250 Hz	500 Hz	1k Hz	2k Hz	4k Hz	8k Hz
Inlet (1)	71	69	70	69	63	60	59	62
Outlet (2)	71	72	77	74	74	72	67	68

(1) SWL INSIDE The Inlet Duct (dB) (2) SWL INSIDE The Outlet Duct (dB)



016 ACCESSORIES

Light Switch
Bulkhead Light

016 ACCESS DOOR

Dimension	Type
520 X 590 mm	Hinged door

017 OUTLET SECTION

Air Flow	Air Velocity	Pressure Drop	Depth	Dimension
0.840 m³/s	4.150 m/s	0 Pa	None	450 x 450 mm
Damper	Damper Class	Damper Material	Damper Blades	Product
None	None	None	None	Spigot 75

AHU ACOUSTIC DATA SUPPLY SECTION

Description	63Hz	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz	Overall dB(A)
Outlet Sound Power(dB)		68	77	74	76	74	69	66	80
Inlet Sound Power(dB)		56	63	61	54	51	41	38	61
Case Breakout sound power (dB)		51	50	36	36	41	37	26	47

TECHNICAL SPECIFICATION SHEETS

Version: AHU SELECT

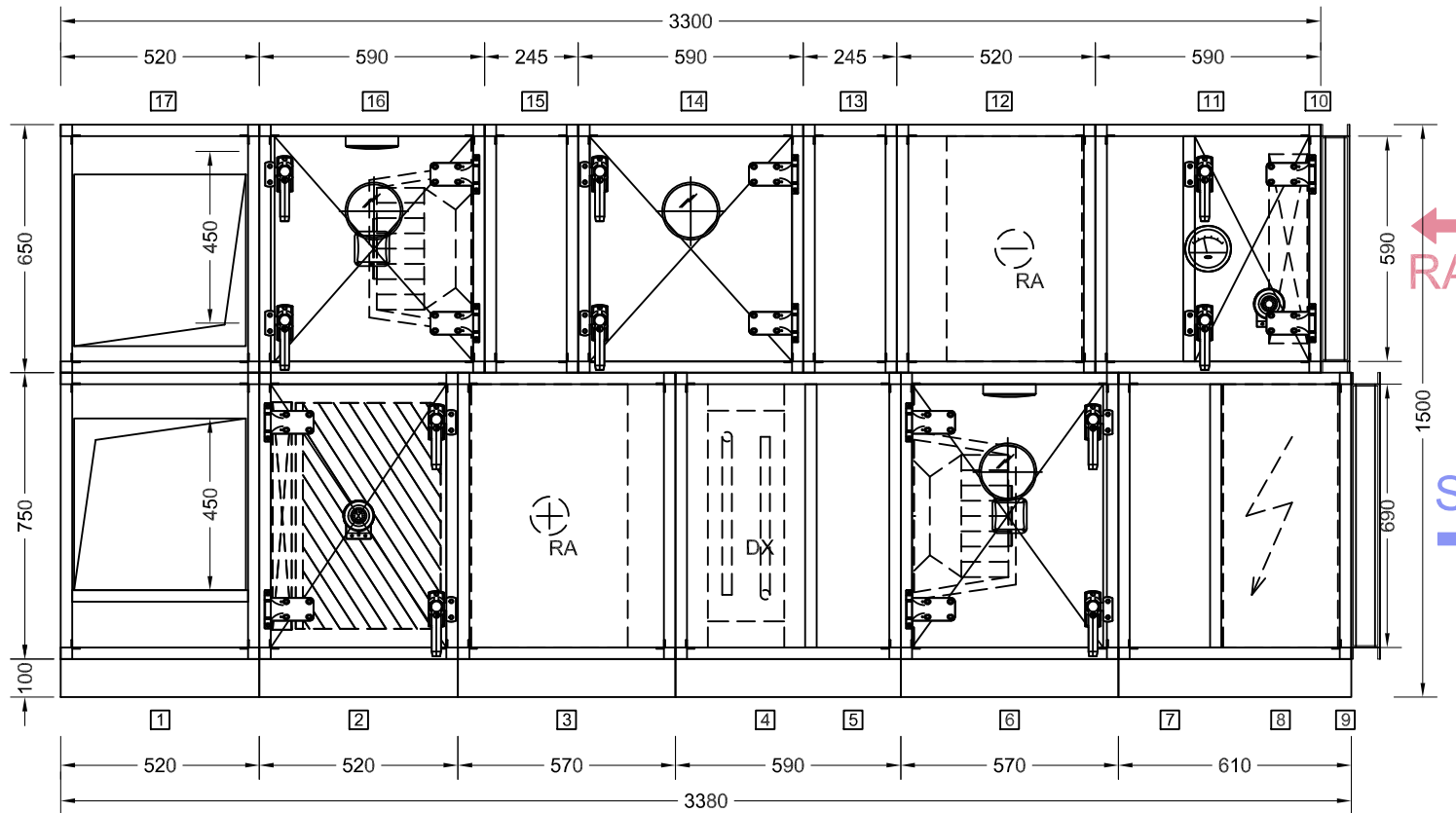
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AHU ACOUSTIC DATA EXHAUST SECTION

Description	63Hz	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz	Overall dB(A)
Outlet Sound Power(dB)		72	77	74	74	72	67	68	79
Inlet Sound Power(dB)		65	66	65	57	51	43	45	65
Case Breakout sound power (dB)		55	50	36	35	38	35	28	46

SPECIFIC FAN POWER

Supply Fan		Extract Fan	
Filter Conditions	Clean	Filter Conditions	Clean
Absorbed Power	.62 Kw	Absorbed Power	.62 Kw
Drive Efficiency	100%	Drive Efficiency	100%
Inverter Efficiency	98%	Inverter Efficiency	98%
Motor Efficiency	100%	Motor Efficiency	100%
Air Volume	.840 m3/s	Air Volume	.840 m3/s
Motor Efficiency Class	EC	Motor Efficiency Class	EC
AHU SFP	1.51 Kw/m3/s		



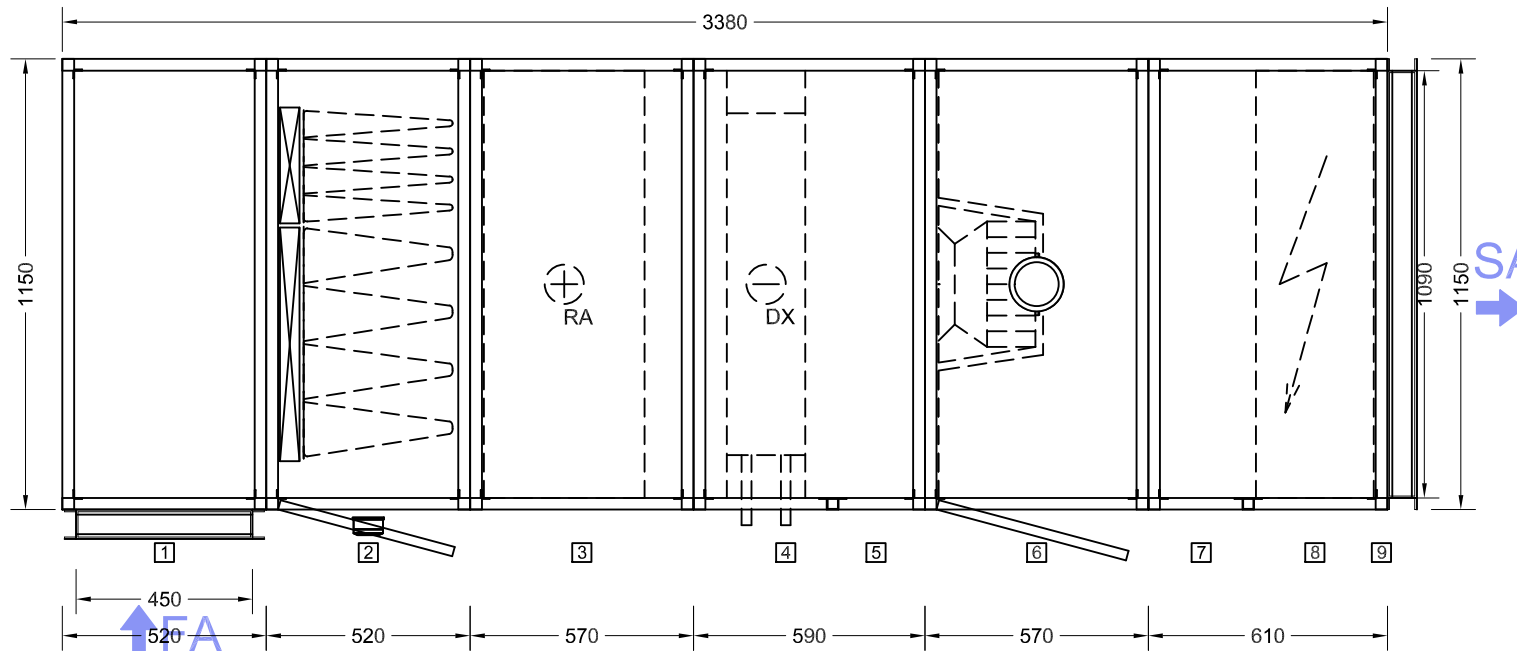
ELEVATION

Supply:
 Size: Non-standard
 Airflow: 0.8400 m3/s
 E.S.P.: 250 Pa
 Coil Vel: 1.72 m/s
 Exhaust:
 Size: Non-standard
 Airflow: 0.8400 m3/s
 E.S.P.: 250 Pa
 Coil Vel: 1.72 m/s
 Unit Wgt: 820.28 kg

Section A:	
S.No	Module Length(mm)
1	Inlet Section 490
Section B:	
S.No	Module Length(mm)
2	Panel & Bag Filter 490
Section C:	
S.No	Module Length(mm)
3	Run Around Heater (Supply)
Section D:	
S.No	Module Length(mm)
4	DX Cooling coil 340
5	Plenum 220
Section E:	
S.No	Module Length(mm)
6	Plenum Fan 540
Section F:	
S.No	Module Length(mm)
7	Plenum 240
8	Electric Heater Battery 340
9	Outlet Section
Section G:	
S.No	Module Length(mm)
10	Inlet Section
11	Panel Filter 560
Section H:	
S.No	Module Length(mm)
12	Run Around Cooler (Exhaust)
Section I:	
S.No	Module Length(mm)
13	Plenum 215
Section J:	
S.No	Module Length(mm)
14	Access Section 560
Section K:	
S.No	Module Length(mm)
15	Plenum 215
Section L:	
S.No	Module Length(mm)
16	Plenum Fan 560
Section M:	
S.No	Module Length(mm)
17	Outlet Section 490

Customer		GDM Partnership		AHU No. 1		Model Non-standard		Air flow 0.84 m3/s		Quantity 1 Nos.	
Project		Take 2, 30 Cleveland Street		AHU02		Not To Scale		All Dimensions shown are in mm		All dimensions shown are estimated. Detailed drawings to be produced on receipt of order.	
Location		UNIT B, NATIONAL COURT, FOX WAY, LEEDS, LS10 1PS		Ph: (+44) 0113 218 6100		Fax: (+44) 0113 218 6101		Selected		Initial	
								Approved		Date	
								Dwg No.			





Supply:
 Size: Non-standard
 Airflow: 0.8400 m3/s
 E.S.P.: 250 Pa
 Coil Vel: 1.72 m/s
 Exhaust:
 Size: Non-standard
 Airflow: 0.8400 m3/s
 E.S.P.: 250 Pa
 Coil Vel: 1.72 m/s
 Unit Wgt: 820.28 kg

Section A:	
S.No	Module Length(mm)
1	Inlet Section 490
Section B:	
S.No	Module Length(mm)
2	Panel & Bag Filter 490
Section C:	
S.No	Module Length(mm)
3	Run Around Heater (Supply) 540
Section D:	
S.No	Module Length(mm)
4	DX Cooling coil 340
5	Plenum 220
Section E:	
S.No	Module Length(mm)
6	Plenum Fan 540
Section F:	
S.No	Module Length(mm)
7	Plenum 240
8	Electric Heater Battery 340
9	Outlet Section
Section G:	
S.No	Module Length(mm)
10	Inlet Section
11	Panel Filter 560
Section H:	
S.No	Module Length(mm)
12	Run Around Cooler (Exhaust) 490
Section I:	
S.No	Module Length(mm)
13	Plenum 215
Section J:	
S.No	Module Length(mm)
14	Access Section 560
Section K:	
S.No	Module Length(mm)
15	Plenum 215
Section L:	
S.No	Module Length(mm)
16	Plenum Fan 560
Section M:	
S.No	Module Length(mm)
17	Outlet Section 490

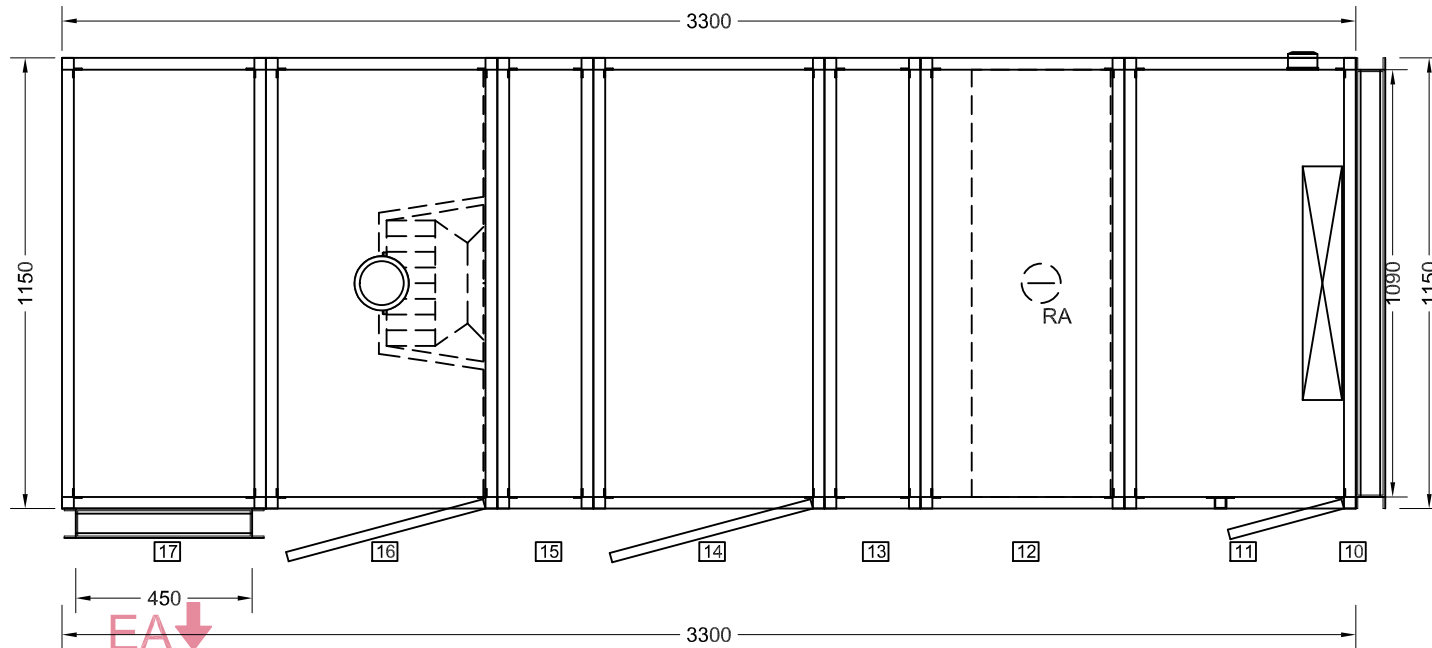
PLAN LOWER DECK

Customer		GDM Partnership		AHU No. 1		Model Non-standard		Air flow 0.84 m3/s		Location AHU02	
Project		Take 2, 30 Cleveland Street		Quantity 1		Nos.		Not To Scale		All Dimensions shown are in mm	
Location		AHU02		Quantity 1		Nos.		Selected		Initial	
								Approved		Date	
								Dwg No.			

SOVEREIGN AIR MOVEMENT

UNIT B, NATIONAL COURT
 FOX WAY, LEEDS, LS10 1PS

Ph: (+44) 0113 218 6100
 Fax: (+44) 0113 218 6101



PLAN UPPER DECK

Supply:
 Size: Non-standard
 Airflow: 0.8400 m³/s
 E.S.P.: 250 Pa
 Coil Vel: 1.72 m/s
 Exhaust:
 Size: Non-standard
 Airflow: 0.8400 m³/s
 E.S.P.: 250 Pa
 Coil Vel: 1.72 m/s
 Unit Wgt: 820.28 kg

Section A:	
S.No	Module Length(mm)
1	Inlet Section 490
Section B:	
S.No	Module Length(mm)
2	Panel & Bag Filter 490
Section C:	
S.No	Module Length(mm)
3	Run Around Heater (Supply)
Section D:	
S.No	Module Length(mm)
4	DX Cooling coil 340
5	Plenum 220
Section E:	
S.No	Module Length(mm)
6	Plenum Fan 540
Section F:	
S.No	Module Length(mm)
7	Plenum 240
8	Electric Heater Battery 340
9	Outlet Section
Section G:	
S.No	Module Length(mm)
10	Inlet Section
11	Panel Filter 560
Section H:	
S.No	Module Length(mm)
12	Run Around Cooler (Exhaust)
Section I:	
S.No	Module Length(mm)
13	Plenum 215
Section J:	
S.No	Module Length(mm)
14	Access Section 560
Section K:	
S.No	Module Length(mm)
15	Plenum 215
Section L:	
S.No	Module Length(mm)
16	Plenum Fan 560
Section M:	
S.No	Module Length(mm)
17	Outlet Section 490

Customer		GDM Partnership		AHU No. 1		Model Non-standard		Air flow 0.84 m ³ /s		Quantity 1		Nos.	
Project		Take 2, 30 Cleveland Street		AHU02		Not To Scale		All Dimensions shown are in mm		All dimensions shown are estimated. Detailed drawings to be produced on receipt of order.		Selected	
Location		FOX WAY, LEEDS, LS10 1PS		UNIT B, NATIONAL COURT		Initial		Date		Approved		Dwg No.	

