



AHU TECHNICAL DATA SHEET

Nuaire Limited, Western Industrial Estate, Caerphilly, CF83 1NA, United Kingdom. UK Technical Enquiries e-mail: info@nuaire.co.uk

Tel: 02920 858200 Fax: 02920858300

Project Details			
Date	28 Sep 2016	Project number	1253996
Customer		Unit number	Q1253996-15-0
Project Reference	Primark Reading - 16/06981/COM	Revision date	29 Sep 2016
Unit Reference	AHU-07	Unit model	Non-standard
Supply Air Flow	1.714 m ³ /s	Supply External Static	300
Extract Air Flow	1.716 m ³ /s	Extract External Static	150 Pa

Unit Construction			
Panel Thickness [mm]	50mm Thick (Nom.) Double Skinned	Finish	Natural Finish
Panel Insulation	Rockwool 45mm (1000x600) RW3 Semi Rigid Slab	Location	External
Framework	50mm Pentapost Corner Extrusion	Base frame	100x50x1.5 Fabricated Base
Default access	Right	Roof type	Twin Pitched Roof
Thermal Bridging	TB4	Leakage Class	Class B L2
Thermal Transmittance	T4		

Section Weights And Dimensions - (NOT including transport packaging and pallets)				
Section #	Length [mm]	Width [mm]	Height [mm]	Weight [kg]
A	1100	1600	950	217
B	1000	1600	950	129
C	1700	1600	1900	300
D	800	1600	950	180
E	1050	1600	950	245
F	1100	1600	950	230
G	1100	1600	950	217
H	800	1600	950	92
I	1000	1600	950	209
J	1100	1600	950	230

Finished Unit Dimensions And Weight			
Length [mm]	Width [mm]	Height [mm]	Weight [kg]
6750	1600	2098	2050

001 Sound Attenuator									
Frequency	63Hz	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz	Description
Static Insertion Loss(dB)	5	7	14	29	39	28	19	14	

002 Filter Section						
Stage	Air Volume [m ³ /s]	Class	Type	Clean [Pa]	Average [Pa]	Final [Pa]
2	1.7140	G4/F7	Panel + Bag	103.92	201.96	300.00

002 Accessories	
• Magnehelic pressure guage 0-500Pa surface mounted	

002 Access Door	
Type	length
Hinged door	600 mm

003 Plate Heat Exchanger					
Air Side				Efficiency [%]	Total load [kW]
	DB [C]	WB [C]	RH [%]	77.30	43.00
Air On	-5.0	-5.0	100.0	Bypass Fitted	Pressure Drop [Pa]
Air Off	15.90	6.80	22.30	1=Yes, on side	126.27-130.38

003 Accessories					
External Intelli Clamp					
Intelli-clamps x16 for PHX module only. If more are required a quotation can be supplied					

003 Access Door	
Type	length
Removable panel 2HS	1400 mm

003 Drain Pan			
Type	Material	Connection	Length [mm]
Removable	Aluminium 1.5mm	Right	1600.00

004 DX Coil Section						
Air Side				Refrigerant Side		
	DB [C]	WB [C]	RH [%]		Temp [C]	Connection
Air On	33.0	20.0	29.7	Liquid	0.0	2 x 1/2"
Air Off	18.0	14.5	69.2	Suction	9.0	2 x 1,1/8"
Face velocity [m/s]	Pressure Drop [Pa]			Refrigerant		Evaporation Temp [C]
2.08	35.00			R410a		9.00
Sensible load [kW]	Total load [kW]			Mass flow [kg/s]		# Coil Sections
30.29	33.66					2

004 Access Door	
Type	length
Coil Panel	700 mm

004 Drain Pan			
Type	Material	Connection	Length [mm]
Removable	Galvanised Steel	Right	700.00

005 Supply Fan Section															
Fan								Motor							
Volume per Fan		External Static		Efficiency		Fan Speed		Motor Nom. Speed		Motor Poles	THIS FAN SECTION CONTAINS 2 FANS				Inverter Freq
.86 m3/s		300 Pa		72.7 %		1973 rpm		1420 rpm		4		Fan 1	Fan 2	Total	69.5 Hz
Frequency	63Hz	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz	Description	Power Input	0.87 kW	0.87 kW	1.74 kW	VSD	
Inlet	92	85	81	73	64	63	54	48	SWL Inside the Inlet Duct (dB)	Power	1.50 kW	1.50 kW	3.00 kW	Inverter	
Outlet	82	78	81	76	75	75	68	64	SWL Inside the Outlet Duct (dB)	FLC	3.31 A	3.31 A	6.62 A		

005 Accessories					
IP66 Metal terminal box fitted					
VSD required. To be supplied and fitted by others, unless otherwise stated.					
Light and Switch assembly					
Inspection Window (50mm Panel)					

005 Access Door	
Type	length
Hinged door	475 mm

006 Sound Attenuator									
Frequency	63Hz	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz	Description
Static Insertion Loss(dB)	5	7	14	29	39	28	19	14	

007 Sound Attenuator									
Frequency	63Hz	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz	Description
Static Insertion Loss(dB)	5	7	14	29	39	28	19	14	

008 Filter Section															
Stage		Air Volume [m3/s]		Class		Type		Clean [Pa]		Average [Pa]			Final [Pa]		
1		1.7160		F5		Bag		36.51		93.25			150.00		
008 Accessories															
● Magnehelic pressure guage 0-500Pa surface mounted															
008 Access Door															
Type								length							
Hinged door								700 mm							
009 Extract Fan Section															
Fan								Motor							
Volume per Fan		External Static		Efficiency		Fan Speed		Motor Nom. Speed		Motor Poles	THIS FAN SECTION CONTAINS 1 FAN				Inverter Freq
1.716 m3/s		150 Pa		74.6 %		1772 rpm		1440 rpm		4		Fan 1	Fan 2	Total	61.5 Hz
Frequency	63Hz	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz	Description	Power Input	1.17 kW	-	1.17 kW	VSD	
Inlet	84	78	81	76	71	68	64	62	SWL Inside the Inlet Duct (dB)	Power	2.20 kW	-	2.20 kW	Inverter	
Outlet	80	78	84	78	78	75	72	70	SWL Inside the Outlet Duct (dB)	FLC	4.30 A	-	4.30 A		
009 Accessories															
● IP66 Metal terminal box fitted															
● VSD required. To be supplied and fitted by others, unless otherwise stated.															
● Light and Switch assembly															
● Inspection Window (50mm Panel)															
009 Access Door															
Type								length							
Hinged door								425 mm							
0010 Sound Attenuator															
Frequency		63Hz	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz	Description					
Static Insertion Loss(dB)		5	7	14	29	39	28	19	14						
AHU ACOUSTIC DATA SUPPLY SECTION															
Freq	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz	Total A Weighted Sound Power Level (dB re 1pW)		Description					
	62	56	38	23	27	26	18	63		Unit Induct Inlet A Weighted Sound Power Level (dB re 1pW)					
	58	61	47	39	51	53	52	64		Unit Induct Outlet A Weighted Sound Power Level (dB re 1pW)					
	54	58	46	49	53	45	33	61		Unit Casing Radiated A Weighted Sound Power Level (dB re 1pW)					
								44		Weighted dB level @ 3m					
AHU ACOUSTIC DATA EXHAUST SECTION															
Freq	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz	Total A Weighted Sound Power Level (dB re 1pW)		Description					
	53	55	40	29	33	39	38	57		Unit Induct Inlet A Weighted Sound Power Level (dB re 1pW)					
	55	62	46	39	49	54	55	64		Unit Induct Outlet A Weighted Sound Power Level (dB re 1pW)					
	51	59	45	49	51	46	36	61		Unit Casing Radiated A Weighted Sound Power Level (dB re 1pW)					
								43		Weighted dB level @ 3m					
Ahu Sfp															
Supply Filter Conditions		Clean		Extract Filter Conditions		Clean		AHU SFP			1.9 W/l/s				

Project: Primark Reading - 16/06981/COM

Client:

Quote No: 1253996

Supply:

Size: Non-standard

Airflow: 1.7140 m³/s

E.S.P.: 300 Pa

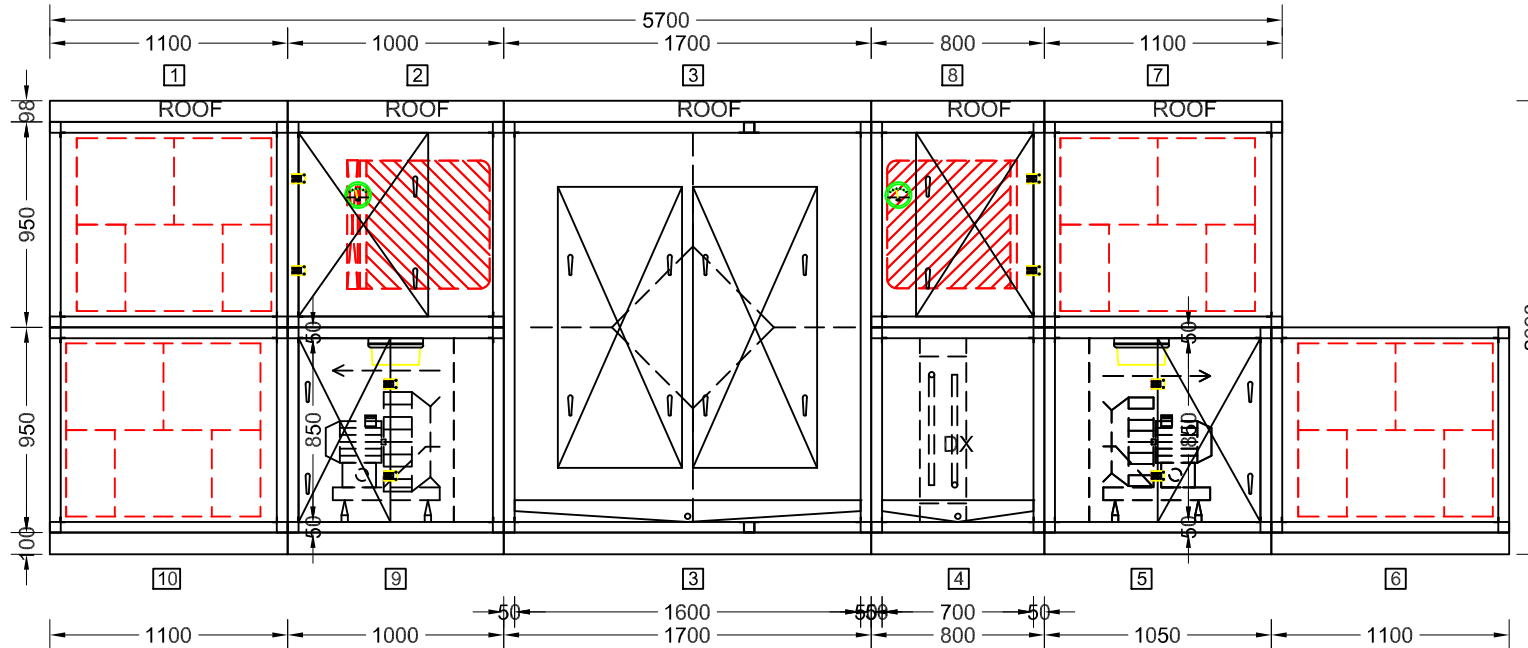
Exhaust:

Size: Non-standard

Airflow: 1.7160 m³/s

E.S.P.: 150 Pa

Unit Wgt: 2049.94 kg



ELEVATION

NOTES:

- 1) Please refer to the Installation & Maintenance manual and the Nuair website www.nuair.co.uk for further information.
2) Please note that double deck sections of AHU's will leave Nuair already assembled where possible.
3) While the overall unit and section dimensions are accurate, the component and access locations are for illustration purposes only and may vary along the length of the unit. *Please contact Nuair if you require more detailed information.*



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AHU No.	15	Quantity	1	This Drawing is property of NUAIRE and should not be re-produced in any form	All dimensions are in mm Do Not Scale
Unit:	Q1253996-15-0			Initial	Date
Location:	AHU-07			Selected	
Model	Non-standard / Non-standard			Approved	

Please Note: This drawing must be signed and returned with the official order for manufacturing to be scheduled. Nuair will then advise delivery detail with order acknowledgement. Approval refers to CAD drawing only and not any other images.

Arrangement Approval

Date: Signature:

Name (please print):

Project: Primark Reading - 16/06981/COM

Client:

Quote No: 1253996

Supply:

Size: Non-standard

Airflow: 1.7140 m³/s

E.S.P.: 300 Pa

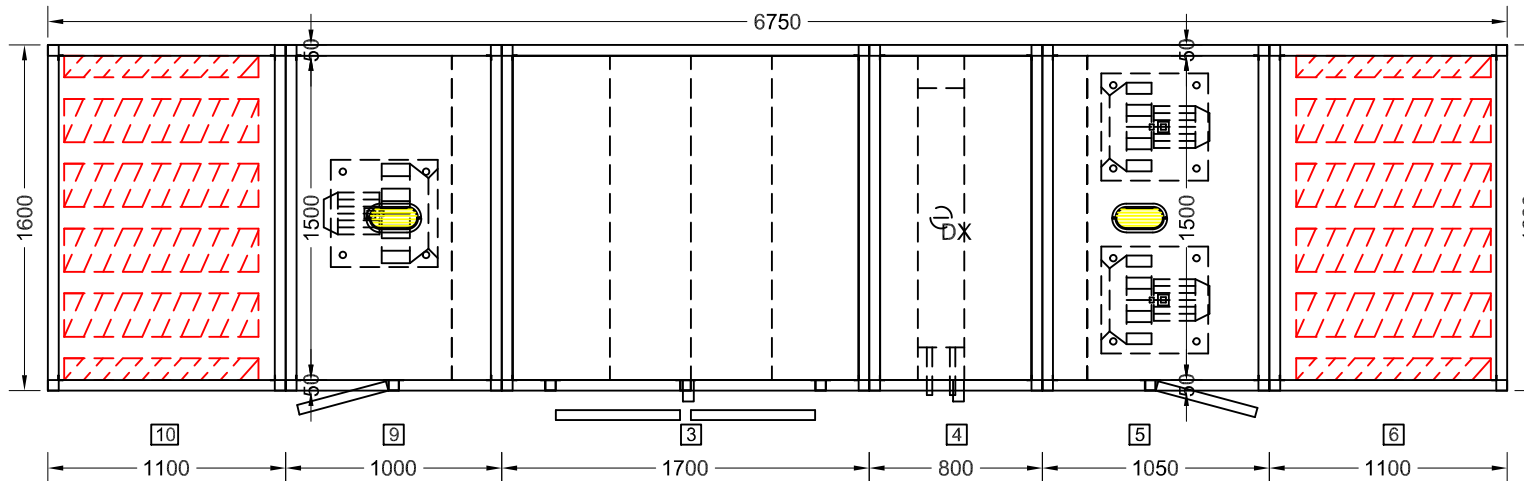
Exhaust:

Size: Non-standard

Airflow: 1.7160 m³/s

E.S.P.: 150 Pa

Unit Wgt: 2049.94 kg



PLAN LOWER DECK

NOTES:

- 1) Please refer to the Installation & Maintenance manual and the Nuair website www.nuair.co.uk for further information.
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AHU No.	15	Quantity	1	This Drawing is property of NUAIRE and should not be re-produced in any form		All dimensions are in mm Do Not Scale	
Unit:	Q1253996-15-0			Initial		Date	
Location:	AHU-07			Selected			
Model	Non-standard / Non-standard			Approved			

Please Note: This drawing must be signed and returned with the official order for manufacturing to be scheduled. Nuair will then advise delivery detail with order acknowledgement. Approval refers to CAD drawing only and not any other images.

Arrangement Approval

Date: Signature:

Name (please print):

SECTION A-Q1253996-15-0-A:

Component	Length(mm)
1 Attenuator	1100

SECTION B-Q1253996-15-0-B:

Component	Length(mm)
2 Panel & Bag Filter	1000

SECTION C-Q1253996-15-0-C:

Component	Length(mm)
3 PHX	1700

SECTION D-Q1253996-15-0-D:

Component	Length(mm)
4 DX Cooling Coil	800

SECTION E-Q1253996-15-0-E:

Component	Length(mm)
5 Plenum Fan	1050

SECTION F-Q1253996-15-0-F:

Component	Length(mm)
6 Attenuator	1100

SECTION G-Q1253996-15-0-G:

Component	Length(mm)
7 Attenuator	1100

SECTION H-Q1253996-15-0-H:

Component	Length(mm)
8 Bag Filter	800

SECTION I-Q1253996-15-0-I:

Component	Length(mm)
9 Plenum Fan	1000

SECTION J-Q1253996-15-0-J:

Component	Length(mm)
10 Attenuator	1100

Project: Primark Reading - 16/06981/COM

Client:

Quote No: 1253996

Supply:

Size: Non-standard

Airflow: 1.7140 m³/s

E.S.P.: 300 Pa

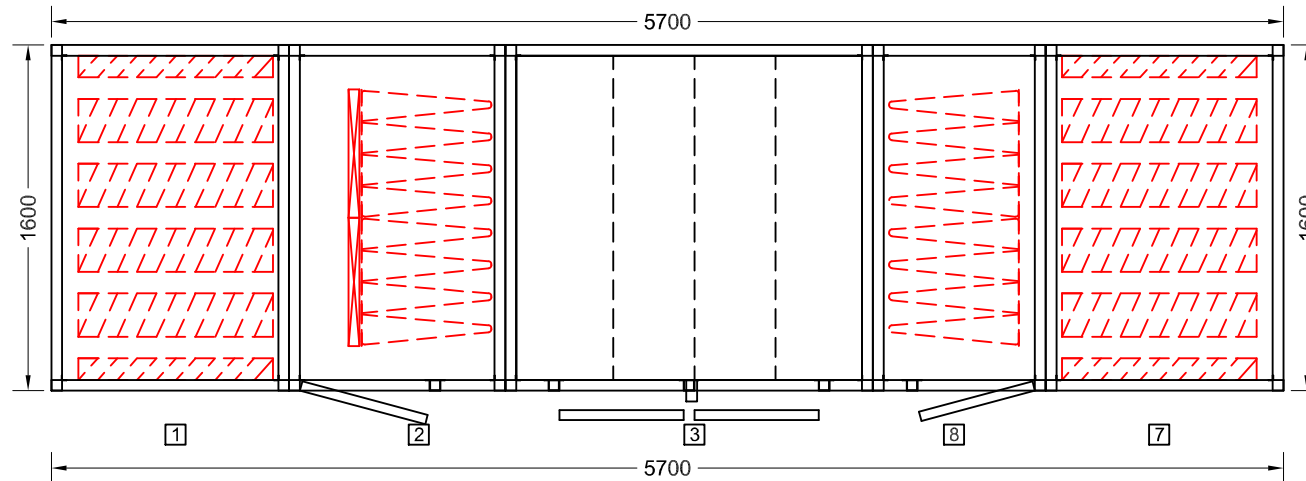
Exhaust:

Size: Non-standard

Airflow: 1.7160 m³/s

E.S.P.: 150 Pa

Unit Wgt: 2049.94 kg



PLAN UPPER DECK

NOTES:

1) Please refer to the Installation & Maintenance manual and the Nuair website www.nuair.co.uk for further information.

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AHU No.	15	Quantity	1	This Drawing is property of NUAIRE and should not be re-produced in any form	All dimensions are in mm Do Not Scale
Unit:	Q1253996-15-0	Initial		Date	
Location:	AHU-07	Selected			
Model	Non-standard / Non-standard	Approved			

Please Note: This drawing must be signed and returned with the official order for manufacturing to be scheduled. Nuair will then advise delivery detail with order acknowledgement. Approval refers to CAD drawing only and not any other images.

Arrangement Approval

Date: Signature:

Name (please print):

SECTION A-Q1253996-15-0-A:

Component	Length(mm)
1 Attenuator	1100

SECTION B-Q1253996-15-0-B:

Component	Length(mm)
2 Panel & Bag Filter	1000

SECTION C-Q1253996-15-0-C:

Component	Length(mm)
3 PHX	1700

SECTION D-Q1253996-15-0-D:

Component	Length(mm)
4 DX Cooling Coil	800

SECTION E-Q1253996-15-0-E:

Component	Length(mm)
5 Plenum Fan	1050

SECTION F-Q1253996-15-0-F:

Component	Length(mm)
6 Attenuator	1100

SECTION G-Q1253996-15-0-G:

Component	Length(mm)
7 Attenuator	1100

SECTION H-Q1253996-15-0-H:

Component	Length(mm)
8 Bag Filter	800

SECTION I-Q1253996-15-0-I:

Component	Length(mm)
9 Plenum Fan	1000

SECTION J-Q1253996-15-0-J:

Component	Length(mm)
10 Attenuator	1100



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Project Details			
Date	28 Sep 2016	Project number	1253996
Customer		Unit number	Q1253996-16-0
Project Reference	Primark Reading - 16/06981/COM	Revision date	29 Sep 2016
Unit Reference	AHU-08	Unit model	Non-standard
Supply Air Flow	1.842 m ³ /s	Supply External Static	300
Extract Air Flow	3.279 m ³ /s	Extract External Static	150 Pa

Unit Construction			
Panel Thickness [mm]	50mm Thick (Nom.) Double Skinned	Finish	Natural Finish
Panel Insulation	Rockwool 45mm (1000x600) RW3 Semi Rigid Slab	Location	External
Framework	50mm Pentapost Corner Extrusion	Base frame	100x50x1.5 Fabricated Base
Default access	Right	Roof type	Twin Pitched Roof
Thermal Bridging	TB4	Leakage Class	Class B L2
Thermal Transmittance	T4		

Section Weights And Dimensions - (NOT including transport packaging and pallets)				
Section #	Length [mm]	Width [mm]	Height [mm]	Weight [kg]
A	1100	1600	1000	225
B	900	1600	1000	123
C	2000	1600	2000	353
D	800	1600	1000	186
E	1100	1600	1000	252
F	1100	1600	1000	238
G	1100	1600	1000	225
H	800	1600	1000	94
I	900	1600	1000	246
J	1100	1600	1000	238

Finished Unit Dimensions And Weight			
Length [mm]	Width [mm]	Height [mm]	Weight [kg]
7000	1600	2198	2180

001 Sound Attenuator									
Frequency	63Hz	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz	Description
Static Insertion Loss(dB)	5	7	14	29	39	28	19	14	

002 Filter Section						
Stage	Air Volume [m ³ /s]	Class	Type	Clean [Pa]	Average [Pa]	Final [Pa]
2	1.8420	G4/F7	Panel + Bag	84.98	192.49	300.00

002 Accessories	
• Magnehelic pressure guage 0-500Pa surface mounted	

002 Access Door	
Type	length
Hinged door	600 mm

003 Plate Heat Exchanger					
Air Side				Efficiency [%]	Total load [kW]
	DB [C]	WB [C]	RH [%]	92.60	55.00
Air On	-5.0	-5.0	100.0	Bypass Fitted	Pressure Drop [Pa]
Air Off	20.00	8.80	17.20	1=Yes, on side	70.50-207.06

003 Accessories					
External Intelli Clamp					
Intelli-clamps x16 for PHX module only. If more are required a quotation can be supplied					

003 Access Door	
Type	length
Removable panel 2HS	1550 mm

003 Drain Pan			
Type	Material	Connection	Length [mm]
Removable	Aluminium 1.5mm	Right	1900.00

004 DX Coil Section						
Air Side				Refrigerant Side		
	DB [C]	WB [C]	RH [%]		Temp [C]	Connection
Air On	33.0	20.0	29.7	Liquid	0.0	2 x 1/2"
Air Off	18.0	14.5	69.3	Suction	9.0	2 x 1,1/8"
Face velocity [m/s]	Pressure Drop [Pa]			Refrigerant		Evaporation Temp [C]
2.03	34.00			R410a		9.00
Sensible load [kW]	Total load [kW]			Mass flow [kg/s]		# Coil Sections
32.54	36.16					2

004 Access Door	
Type	length
Coil Panel	700 mm

004 Drain Pan			
Type	Material	Connection	Length [mm]
Removable	Galvanised Steel	Right	700.00

005 Supply Fan Section															
Fan								Motor							
Volume per Fan		External Static		Efficiency		Fan Speed		Motor Nom. Speed		Motor Poles	THIS FAN SECTION CONTAINS 2 FANS				Inverter Freq
.92 m3/s		300 Pa		75.3 %		1911 rpm		1420 rpm		4		Fan 1	Fan 2	Total	67.3 Hz
Frequency	63Hz	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz	Description	Power Input	0.82 kW	0.82 kW	1.64 kW	VSD	
Inlet	80	73	77	71	67	67	58	53	SWL Inside the Inlet Duct (dB)	Power	1.50 kW	1.50 kW	3.00 kW	Inverter	
Outlet	77	72	79	76	75	74	67	62	SWL Inside the Outlet Duct (dB)	FLC	3.31 A	3.31 A	6.62 A		

005 Accessories					
IP66 Metal terminal box fitted					
VSD required. To be supplied and fitted by others, unless otherwise stated.					
Light and Switch assembly					
Inspection Window (50mm Panel)					

005 Access Door	
Type	length
Hinged door	525 mm

006 Sound Attenuator									
Frequency	63Hz	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz	Description
Static Insertion Loss(dB)	5	7	14	29	39	28	19	14	

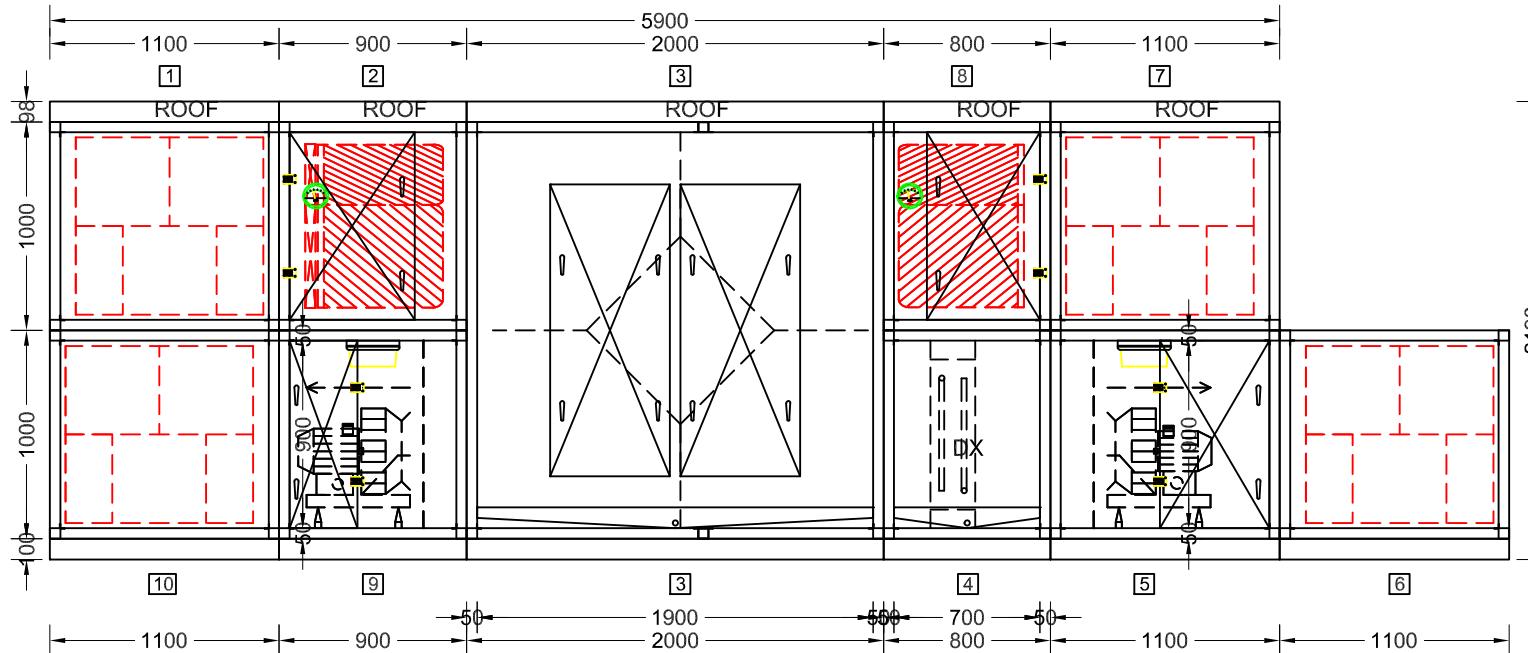
007 Sound Attenuator									
Frequency	63Hz	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz	Description
Static Insertion Loss(dB)	5	7	14	29	39	28	19	14	

008 Filter Section															
Stage		Air Volume [m3/s]		Class		Type		Clean [Pa]		Average [Pa]			Final [Pa]		
1		3.2790		F5		Bag		59.61		104.80			150.00		
008 Accessories															
● Magnehelic pressure guage 0-500Pa surface mounted															
008 Access Door															
Type								length							
Hinged door								700 mm							
009 Extract Fan Section															
Fan								Motor							
Volume per Fan		External Static		Efficiency		Fan Speed		Motor Nom. Speed		Motor Poles	THIS FAN SECTION CONTAINS 2 FANS				Inverter Freq
1.64 m3/s		150 Pa		73.6 %		2323 rpm		2880 rpm		2		Fan 1	Fan 2	Total	40.3 Hz
Frequency	63Hz	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz	Description		Power Input	1.53 kW	1.53 kW	3.06 kW	VSD
Inlet	85	77	75	79	72	70	64	61	SWL Inside the Inlet Duct (dB)		Power	3.00 kW	3.00 kW	6.00 kW	Inverter
Outlet	84	79	80	86	83	80	76	74	SWL Inside the Outlet Duct (dB)		FLC	5.88 A	5.88 A	11.76 A	
009 Accessories															
● IP66 Metal terminal box fitted															
● VSD required. To be supplied and fitted by others, unless otherwise stated.															
● Light and Switch assembly															
● Inspection Window (50mm Panel)															
009 Access Door															
Type								length							
Hinged door								325 mm							
0010 Sound Attenuator															
Frequency		63Hz	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz	Description					
Static Insertion Loss(dB)		5	7	14	29	39	28	19	14						
AHU ACOUSTIC DATA SUPPLY SECTION															
Freq	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz	Total A Weighted Sound Power Level (dB re 1pW)		Description					
	49	52	35	26	31	30	22	54		Unit Induct Inlet A Weighted Sound Power Level (dB re 1pW)					
	52	59	47	39	50	52	50	61		Unit Induct Outlet A Weighted Sound Power Level (dB re 1pW)					
	48	56	46	49	52	44	31	59		Unit Casing Radiated A Weighted Sound Power Level (dB re 1pW)					
								41		Weighted dB level @ 3m					
AHU ACOUSTIC DATA EXHAUST SECTION															
Freq	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz	Total A Weighted Sound Power Level (dB re 1pW)		Description					
	55	52	46	33	38	42	40	58		Unit Induct Inlet A Weighted Sound Power Level (dB re 1pW)					
	59	60	56	47	56	61	62	67		Unit Induct Outlet A Weighted Sound Power Level (dB re 1pW)					
	55	57	55	57	58	53	43	64		Unit Casing Radiated A Weighted Sound Power Level (dB re 1pW)					
								46		Weighted dB level @ 3m					
Ahu Sfp															
Supply Filter Conditions		Clean		Extract Filter Conditions		Clean		AHU SFP			1.6 W/l/s				

Project: Primark Reading - 16/06981/COM

Client:

Quote No: 1253996



ELEVATION

Supply:

Size: Non-standard

Airflow: 1.8420 m³/s

E.S.P.: 300 Pa

Exhaust:

Size: Non-standard

Airflow: 3.2790 m³/s

E.S.P.: 150 Pa

Unit Wgt: 2180.02 kg

SECTION A-Q1253996-16-0-A:

Component	Length(mm)
1 Attenuator	1100

SECTION B-Q1253996-16-0-B:

Component	Length(mm)
2 Panel & Bag Filter	900

SECTION C-Q1253996-16-0-C:

Component	Length(mm)
3 PHX	2000

SECTION D-Q1253996-16-0-D:

Component	Length(mm)
4 DX Cooling Coil	800

SECTION E-Q1253996-16-0-E:

Component	Length(mm)
5 Plenum Fan	1100

SECTION F-Q1253996-16-0-F:

Component	Length(mm)
6 Attenuator	1100

SECTION G-Q1253996-16-0-G:

Component	Length(mm)
7 Attenuator	1100

SECTION H-Q1253996-16-0-H:

Component	Length(mm)
8 Bag Filter	800

SECTION I-Q1253996-16-0-I:

Component	Length(mm)
9 Plenum Fan	900

SECTION J-Q1253996-16-0-J:

Component	Length(mm)
10 Attenuator	1100

NOTES:

1) Please refer to the Installation & Maintenance manual and the Nuair website www.nuair.co.uk for further information.

2) Please note that double deck sections of AHU's will leave Nuair already assembled where possible.

3) While the overall unit and section dimensions are accurate, the component and access locations are for illustration purposes only and may vary along the length of the unit. *Please contact Nuair if you require more detailed information.*

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www.nuair.co.uk
(+44) 2920 858 200

AHU No.	16	Quantity	1	This Drawing is property of NUAIRE and should not be re-produced in any form	All dimensions are in mm Do Not Scale
Unit:	Q1253996-16-0	Initial		Date	
Location:	AHU-08	Selected			
Model	Non-standard / Non-standard	Approved			

Please Note: This drawing must be signed and returned with the official order for manufacturing to be scheduled. Nuair will then advise delivery detail with order acknowledgement. Approval refers to CAD drawing only and not any other images.

Arrangement Approval

Date: Signature:

Name (please print):

Project: Primark Reading - 16/06981/COM

Client:

Quote No: 1253996

Supply:

Size: Non-standard

Airflow: 1.8420 m³/s

E.S.P.: 300 Pa

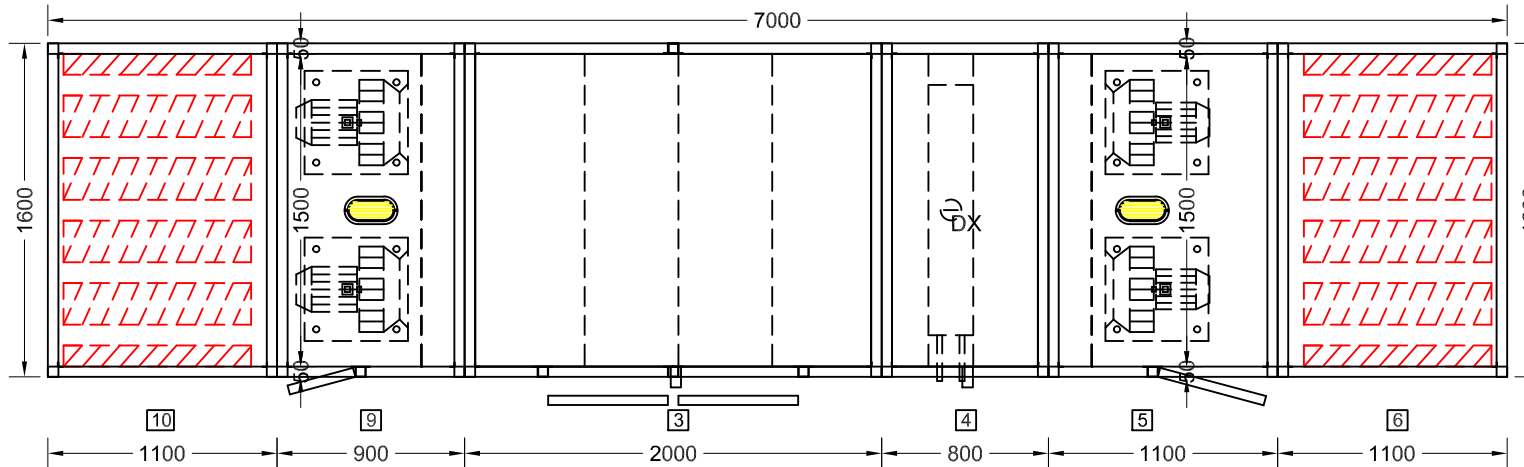
Exhaust:

Size: Non-standard

Airflow: 3.2790 m³/s

E.S.P.: 150 Pa

Unit Wgt: 2180.02 kg



PLAN LOWER DECK

NOTES:

- 1) Please refer to the Installation & Maintenance manual and the Nuair website www.nuair.co.uk for further information.
2) Please note that double deck sections of AHU's will leave Nuair already assembled where possible.
3) While the overall unit and section dimensions are accurate, the component and access locations are for illustration purposes only and may vary along the length of the unit. *Please contact Nuair if you require more detailed information.*

	Nuair Limited Western Industrial Estate Caerphilly CF83 1NA United Kingdom www.nuair.co.uk (+44) 2920 858 200	AHU No.	16	Quantity	1	This Drawing is property of NUAIRE and should not be re-produced in any form		All dimensions are in mm Do Not Scale		Please Note: This drawing must be signed and returned with the official order for manufacturing to be scheduled. Nuair will then advise delivery detail with order acknowledgement. Approval refers to CAD drawing only and not any other images.	<u>Arrangement Approval</u>	
		Unit:	Q1253996-16-0			Initial		Date			Date:	Signature:
		Location:	AHU-08			Selected					Name (please print):	
		Model	Non-standard / Non-standard			Approved						

Project: Primark Reading - 16/06981/COM

Client:

Quote No: 1253996

Supply:

Size: Non-standard

Airflow: 1.8420 m³/s

E.S.P.: 300 Pa

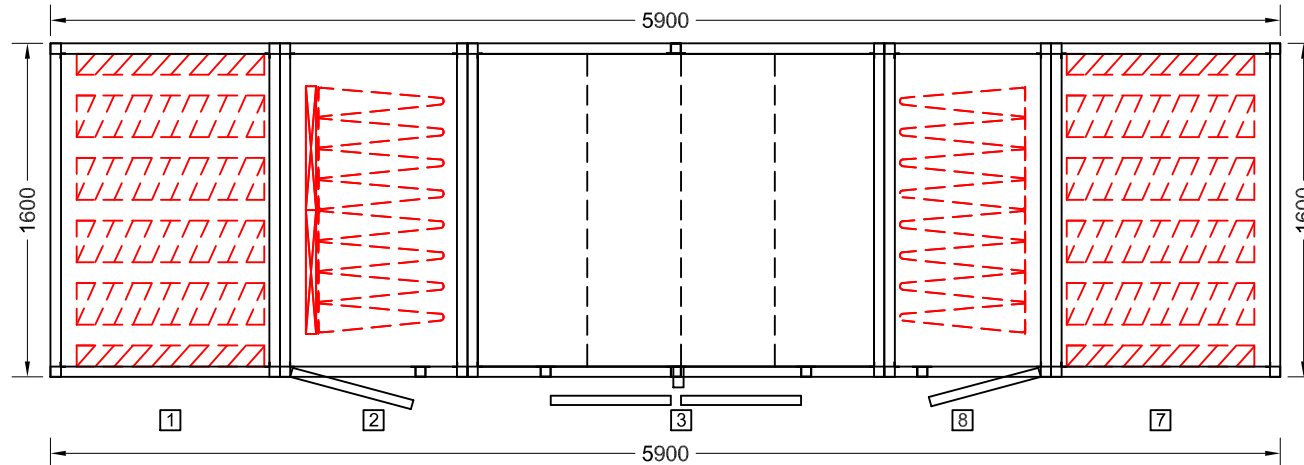
Exhaust:

Size: Non-standard

Airflow: 3.2790 m³/s

E.S.P.: 150 Pa

Unit Wgt: 2180.02 kg



PLAN UPPER DECK

NOTES:

1) Please refer to the Installation & Maintenance manual and the Nuair website www.nuair.co.uk for further information.

2) Please note that double deck sections of AHU's will leave Nuair already assembled where possible.

3) While the overall unit and section dimensions are accurate, the component and access locations are for illustration purposes only and may vary along the length of the unit. *Please contact Nuair if you require more detailed information.*

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AHU No.	16	Quantity	1	This Drawing is property of NUAIRE and should not be re-produced in any form		All dimensions are in mm Do Not Scale	
Unit:	Q1253996-16-0			Initial		Date	
Location:	AHU-08			Selected			
Model	Non-standard / Non-standard			Approved			

Please Note: This drawing must be signed and returned with the official order for manufacturing to be scheduled. Nuair will then advise delivery detail with order acknowledgement. Approval refers to CAD drawing only and not any other images.

Arrangement Approval

Date: Signature:

Name (please print):

SECTION A-Q1253996-16-0-A:

Component	Length(mm)
1 Attenuator	1100

SECTION B-Q1253996-16-0-B:

Component	Length(mm)
2 Panel & Bag Filter	900

SECTION C-Q1253996-16-0-C:

Component	Length(mm)
3 PHX	2000

SECTION D-Q1253996-16-0-D:

Component	Length(mm)
4 DX Cooling Coil	800

SECTION E-Q1253996-16-0-E:

Component	Length(mm)
5 Plenum Fan	1100

SECTION F-Q1253996-16-0-F:

Component	Length(mm)
6 Attenuator	1100

SECTION G-Q1253996-16-0-G:

Component	Length(mm)
7 Attenuator	1100

SECTION H-Q1253996-16-0-H:

Component	Length(mm)
8 Bag Filter	800

SECTION I-Q1253996-16-0-I:

Component	Length(mm)
9 Plenum Fan	900

SECTION J-Q1253996-16-0-J:

Component	Length(mm)
10 Attenuator	1100