

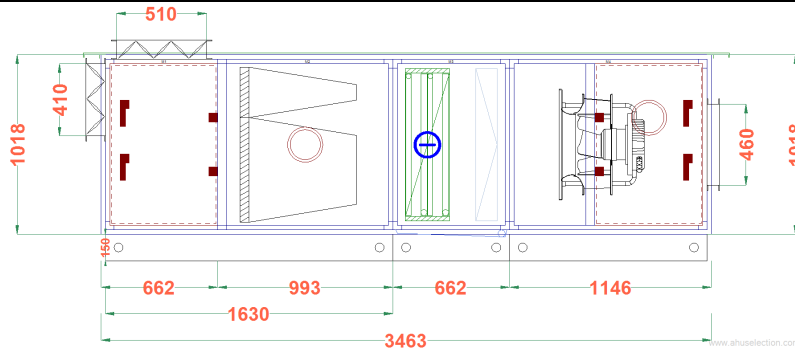


TECHNICAL DATA

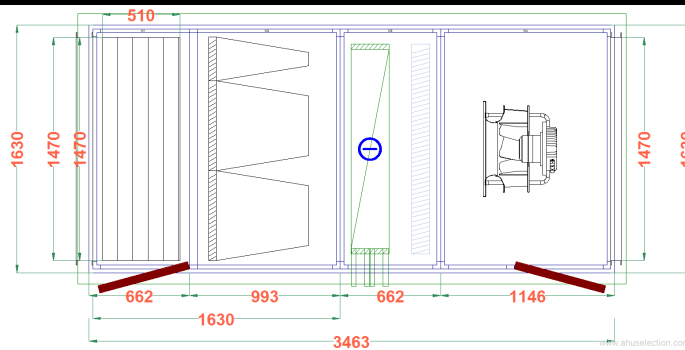
Date	12/02/2019	Rev. Date	13/02/2019
Project No	2880	Proj.Trace No	37223
Project Name	AHU DX-MK		
AHU Name	AHU-1 - (1 QTY)		
AHU Model	JUPITER 12 X 20		



RIGHT VIEW



TOP VIEW



GENERAL SPECIFICATIONS

Supply Air Flow	Return Air Flow	Frame	Dimensions (mm)	
9,600 m ³ /h		25 steel profile	A1830 x H1303 x L3693	
Supply Air Velocity	Return Air Velocity	Insulation Material	Total Weight	
1.90 m/s		Rockwool 70 kg/m ³	989 kg	
Coil Air Velocity	Air Density	Insulation Thickness	Base Height	Roof
2.50 m/s	1.1725 kg/m ³	50 mm	150 mm	Sheet
Design Outdoor Temp.	Mixing Ratio	Outside Sheet Material	Absorbed Power	
26 °C / 37 °C	% 64.00	0.9 mm Painted Galvanize	4.84 kW	
Total Heating Capacity	Total Cooling Capacity	Inside Sheet Material	Motor Power(Vant/Asp)	
	95.64 kW	0.9 mm Galvanize	5.37 kW	
Specific Fan Power(SFP Total)	ErP Compliance	ErP Code	Real Unit CAL Class -400 Pa	Real Unit CAL Class +400 Pa
0.34 kW/(m ³ /s)	Non Compliant	NRVU - UVU	L3	L3

NOISE LEVEL

SOUND POWER LEVEL (dB)

LwA-tot

Frequency Hz	125	250	500	1000	2000	4000	8000		
Airborne Sound Power Level	60.7	61.4	61.0	60.6	58.0	55.8	40.7	64.6	dB(A)
Air Outlet Induct Sound Power Level	79.1	88.6	91.1	96.0	91.3	92.3	84.6	99.0	dB(A)
Air Inlet Induct Sound Power Level	60.2	73.6	68.5	68.0	72.1	74.6	70.5	78.1	dB(A)

ACCESSORIES

Lightening, Observation Glass, Siphon

Model	CS Class	CAL Class -400 Pa	CAL Class +700 Pa	FBL Class	TT Class	TBF Class	Casing accoustical insulation at 125 Hz [dB]	Casing accoustical insulation at 250 Hz [dB]	Casing accoustical insulation at 500 Hz [dB]	Casing accoustical insulation at 1000 Hz [dB]	Casing accoustical insulation at 2000 Hz [dB]	Casing accoustical insulation at 4000 Hz [dB]	Casing accoustical insulation at 8000 Hz [dB]
JUPITER	D2	L1	L1	F9	T2	TB2	18.4	27.2	30.1	35.4	33.3	36.5	43.9

www.bskhavalandirma.com.tr
info@bskhavalandirma.com.tr

Office Tel: +90 216 669 09 70
Office Fax: +90 216 669 09 72

Factory Tel: +90 216 669 09 70
Factory Fax: +90 216 669 09 72



**TECHNICAL DATA**

Date	12/02/2019	Rev. Date	13/02/2019
Project No	2880	Proj.Trace No	37223
Project Name	AHU DX-MK		
AHU Name	AHU-1 - (1 QTY)		
AHU Model	JUPITER 12 X 20		

**FRESH AIR CONNECTION**

Connection Type	Automation	Pressure Drop
Open	Automatic	0 Pa
Airflow	Dimensions	Air Velocity
9,600 m ³ /h	A 1530 mm x H 918 mm	1.90 m/s

SUPPLY CONNECTION

Connection Type	Automation	Pressure Drop
Flange	Automatic	10 Pa
Airflow	Dimensions	Air Velocity
9,600 m ³ /h	A 1470 mm x H 460 mm	3.94 m/s

MIXING MODULE WITH TWO DAMPERS (M1)

Connection Type	Automation	Pressure Drop	Section Weight
Gear Damper	Automatic	20 Pa	157 kg
Fresh Air Volume	Return Air Volume		
9,600 m ³ /h	9,600 m ³ /h		
Fresh Air Dimensions	Return Air Dimensions		
A 1470 mm x H 510 mm	A 1470 mm x H 410 mm		
Fresh Air Velocity	Return Air Velocity		
3.56 m/s	4.42 m/s		

ACCESSORIES**FILTER (M2)**

Filter Type	Initial / Final / Design P.Drop	Air Velocity	Size/Quantity/EC*	Size/Quantity/EC*	Size/Quantity/EC*	Section Weight
G-4 Panel	64 Pa / 114 Pa / 89 Pa	2.20 m/s	592x592x50/2/NA	592x287x50/3/NA		197 kg
Filter Type	Initial / Final / Design P.Drop	Air Velocity	Size/Quantity/EC*	Size/Quantity/EC*	Size/Quantity/EC*	Spare Filter
F-7 Bag	63 Pa / 163 Pa / 113 Pa	2.20 m/s	592x592x610/2/C	592x287x610/3/A+		<input type="checkbox"/>

* Filter Energy Performance; preferably energy classification

ACCESSORIES

www.bskhavalandirma.com.tr
info@bskhavalandirma.com.tr

Office Tel: +90 216 669 09 70
Office Fax: +90 216 669 09 72

Factory Tel: +90 216 669 09 70
Factory Fax: +90 216 669 09 72



Designer: Gönül Ünal

13.02.2019

**TECHNICAL DATA**

Date	12/02/2019	Rev. Date	13/02/2019
Project No	2880	Proj.Trace No	37223
Project Name	AHU DX-MK		
AHU Name	AHU-1 - (1 QTY)		
AHU Model	JUPITER 12 X 20		

**COIL (DX) (M3)**

Airflow	Capacity / Sensible	Required Cap.	Face Vel.	Quantity	Tube Mat.	Fin Mat.	Section Weight
9,600 m ³ /h	95.64/55.93 kW		2.50 m/s	1	Copper	Aluminium	321 kg
Coil Code	Tube Thickness	Fin Thickness	Fresh Air Perc.	Return Air Perc.			
25 x 22 3/8 32T 10R 1310A 2.1P 32NC	0.5 mm	0.12 mm	36 %	64 %			
Droplet Elimin. / Press. Drop	Condensation Pan / Hmin U-Trap	Size (W x H x L) mm	Conn. Material	Frame Material			
Polypropylene / 30 Pa	Stainless Steel / 93 mm	1310 x 812.8 x 250	Copper	Galvanized Steel			
Fluid Kind	Evaporation / Condensation						
R410A	8/45 °C						
External Air Drybulb Temperature	Internal Air Drybulb Temperature						
37.00 °C	24.00 °C						
External Air Wetbulb Temperature	Internal Air Wetbulb Temperature						
27.80 °C	17.07 °C						
External Air Relative Humidity	Internal Air Relative Humidity						
50.00 %	50.00 %						
Air Inlet Drybulb Temperature	Air Outlet Drybulb Temperature						
28.68 °C	10.83 °C						
Air Inlet Wetbulb Temperature	Air Outlet Wetbulb Temperature						
21.48 °C	10.74 °C						
Air Inlet Relative Humidity	Air Outlet Relative Humidity						
53.17 %	98.94 %						
Air Inlet - Outlet Enthalpy	Fluid Flow / Vol. Flow						
62.33 - 31.02 kJ/kg	2,212 kg/h / 58,248 dm ³ /h						
Air Press.Drop(Wet/Dry)	Fluid Press.Drop / Fluid Velocity	Connection Sizes	Manifold / Conn.QTY	Conn.Direction			
207 Pa / 168 Pa	32.34 kPa / 0.3682 m/s	28 / 35 mm (1-1/8" DN25 / 1-3/8" DN32)	2 / 1	Right			
Coil Area	Tube Inner Volume						
207.19 m ²	29.08 L						

ACCESSORIES

Siphon

www.bskhavalandirma.com.tr
info@bskhavalandirma.com.trOffice Tel: +90 216 669 09 70
Office Fax: +90 216 669 09 72Factory Tel: +90 216 669 09 70
Factory Fax: +90 216 669 09 72**TSEK**

Designer: Gönül Ünal

13.02.2019



TECHNICAL DATA

Date	12/02/2019	Rev. Date	13/02/2019
Project No	2880	Proj.Trace No	37223
Project Name	AHU DX-MK		
AHU Name	AHU-1 - (1 QTY)		
AHU Model	JUPITER 12 X 20		



SUPPLY FAN (M4)

Airflow	9,600 m³/h	Fan Model	EBM Papst-K3G450AZ3001		Quantity	1	Section Weight	313 kg			
Internal Static Pressure	469 Pa	Motor P./Volt./Pha./Freq.	5.37kW/3P/400V/50-60Hz		Isolator		Backup Fan				
External Static Pressure	450 Pa	Total Static Pressure	919 Pa								
Total Pressure	1076 Pa	Total / Static Efficiency	59.34 / 50.68 %								
Shaft / Absorbed Power	4.84 / 4.84 kW	Absorbed Pow.With VFD	4.84 kW								
Fan Speed	2713 rpm(Max.2750 rpm)	Air Density	1.1725 kg/m³								
Specific Fan Power(SFPe int)	0.34 kW/(m³/s)	Sound Power Level (dB)							LwA-tot		
Electrical Current	6.98 A	SPLa - Inlet Side	76.2	89.6	84.5	84.0	84.1	86.6	82.5	92.0	dBA
		SPLm - Outlet Side	79.1	88.6	91.1	96.0	91.3	92.3	84.6	99.4	dBA

* The fan system effect is taken into account in the fan performance

* The fan calculated for wet conditions

* Sfp is calculated based on clean filter & dry coil conditions

ACCESSORIES

Lightening, Observation Glass





www.bskhavalandirma.com.tr
info@bskhavalandirma.com.tr

Office Tel: +90 216 669 09 70
Office Fax: +90 216 669 09 72

Factory Tel: +90 216 669 09 70
Factory Fax: +90 216 669 09 72



		TECHNICAL DATA				
		Date	12/02/2019	Rev. Date	13/02/2019	
		Project No	2880	Proj.Trace No	37223	
		Project Name	AHU DX-MK			
AHUSEL V.	2.2.3.14 24/12/2018	AHU Name	AHU-1 - (1 QTY)			
BSK	5/5	AHU Model	JUPITER 12 X 20			



Ecodesign Requirements Table					
		Value		2016	2018
	Product	JUPITER 25			
	Erp	Non Compliant			
A	Manufacturer	BSK Havalandırma Ekipmanları A.Ş.			
B	Model Identifier	JUPITER 12 X 20			
C	ErP Code	NRVU - UVU			
D	Type Of Drive	Variable Speed Drive (VSD)	---	Required	Required
E	Type Of HRS	---			
	HRS Damper	---		Required	Required
F	Thermal Efficiency of HRS	---		---	---
G	Nominal Flow Rate	2.67 m ³ /s	---		
H	Effective Electrical Power Input	4.84 kW	---		
I	SPFInt	340 W/(m ³ /s)	---	<= 250	<= 230
J	Face Velocity	1.90 m/s	---		
K	Nominal External Drop Δps, Ext	450 Pa	---		
L	Internal Pressure Drop Δps, Int	469 Pa	---		
M	Additional Pressure Drop Δps, Add	157 Pa	---		
N	Static Fan Efficiency EC327/2011	50.68 %	---		
O	Declared Maximum Ext./Int. Leakage Rate	---			
P	Energy Performance Of Filters	A+	---		
Q	Description Of Visual Filter Warning	Not Exists	---		Required
R	Casing Sound Power Level (Lwa)	64.6 dBA			
S	Internet Address Of Instructions	www.bskhavalandirma.com.tr			

www.bskhavalandirma.com.tr
info@bskhavalandirma.com.tr

Office Tel: +90 216 669 09 70
Office Fax: +90 216 669 09 72

Factory Tel: +90 216 669 09 70
Factory Fax: +90 216 669 09 72



TSEK

