

# TriaAir<sup>®</sup>

Ventilationsanlæg

## Tekniske data

J Prime 25\_200, 2RH, 3RC og ROTOR



Varenr.: QD20000300  
Med 2RH, 3RC og ROTOR  
(2RH varmelade maks. 128,80 kW)  
(3RC køleflade maks. 74,92 kW)

Standardfarve: RAL 9002 glans 30 (hvid)



TECHNICAL DATA			
Date	21.08.2020	Rev. Date	24.09.2020
Project ID	4157	Tracking Number	4126
Project Name	Item no. QD20000300		
AHU Name	J Prime_25_200_2RH_3RC		
AHU Model	JUPITER 16 X 20		



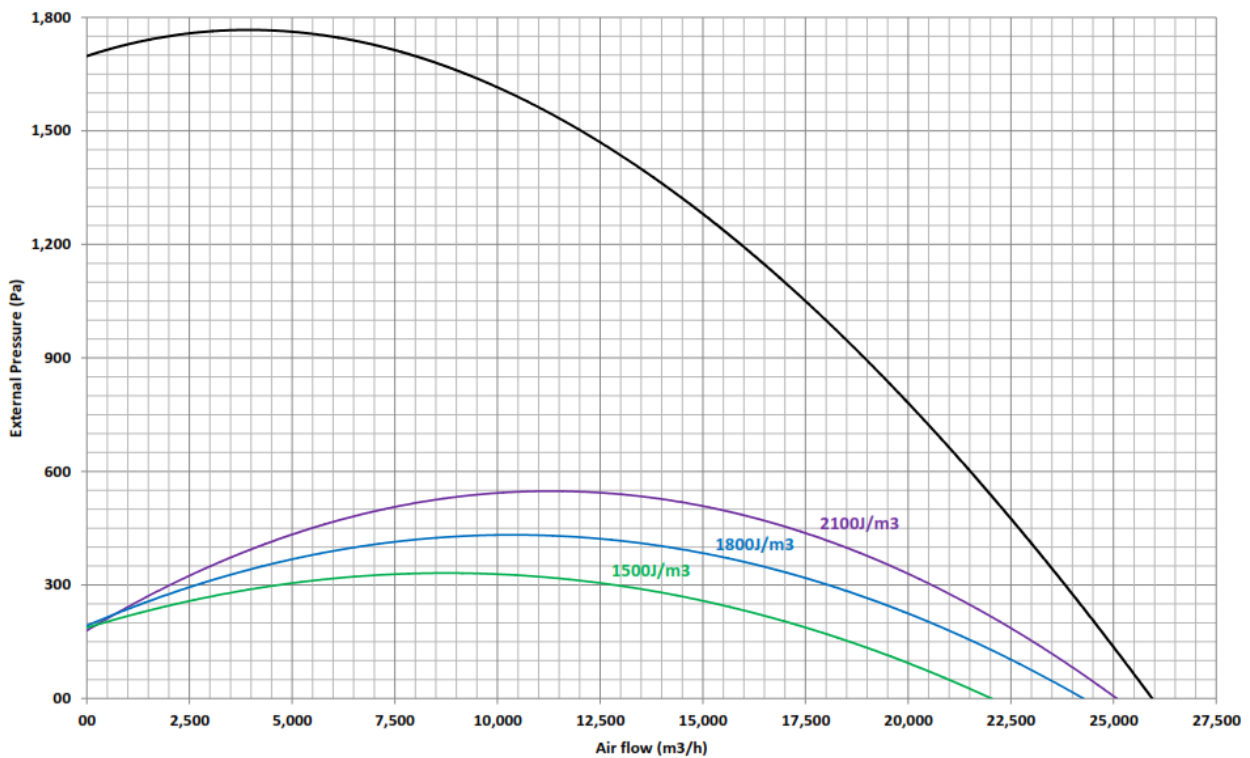
Ecodesign Requirements Table

		Value		2018
	Product	JUPITER 25		
	Erp	2018		
A	Manufacturer	BSK Havalandırma Ekipmanları A.Ş.		
B	Model Identifier	JUPITER 16 X 20		
C	ErP Code	NRVU - BVU		
D	Type Of Drive	Variable Speed Drive (VSD)In	Variable Speed Drive (VSD)Out	Required
E	Type Of HRS	Rotary		
	HRS Damper	Exists		Exists Required
F	Thermal Efficiency of HRS	76,80 %		76,80 % >= 73 %
G	Nominal Flow Rate	5,28 m³/s	5,28 m³/s	
H	Effective Electrical Power Input	3,37 kW x 2	3,06 kW x 2	12,86 kW
I	SFPInt	435 W/(m³/s)	408 W/(m³/s)	843W/(m³/s) <= 914
J	Face Velocity	1,79 m/s	1,75 m/s	
K	Nominal External Drop Δps, Ext	300 Pa		300 Pa
L	Internal Pressure Drop Δps, Int Supply Air	367 Pa		367 Pa
	Internal Pressure Drop Δps, Int. Exhaust Air	279 Pa		279 Pa
M	Additional Pressure Drop Δps, Add	98 Pa	98 Pa	
N	Static Fan Efficiency EC327/2011	56,84 %	54,35 %	
O	Declared Maximum Ext./Int. Leakage Rate	1,00 %		1,00 %
	Leakage Classifications by Eurovent	L1		L1
P	Energy Performance Of Filters	E	E	
Q	Description Of Visual Filter Warning	Manometer Pressure Gauge	Manometer Pressure Gauge	Required
R	Casing Sound Power Level (Lwa)	68,0 dBA		68,0 dBA
S	Internet Address Of Instructions	<a href="http://www.Termicplus.dk">www.Termicplus.dk</a>		
	Total Dimension mm	W 2.450 x H 2.835 x L 3.150		
	Supply Airflow	19.000 m³/h		19.000 m³/h
	Return Airflow	19.000 m³/h		19.000 m³/h
	Design Outdoor Temp. Summer	(+25,8°C) (Hum. 60%)		(+25,8°C)
	Design Outdoor Temp. Winter	(-12 °C) (Hum. 90%)		(-12 °C)
	FRESH AIR CONNECTION Air Velocity	3,20 m/s		3,20 m/s
	SUPPLY CONNECTION Air Velocity	3,20 m/s		3,20 m/s
	RETURN CONNECTION Air Velocity	3,20 m/s		3,20 m/s
	EXHAUST CONNECTION Air Velocity	3,20 m/s		3,20 m/s
	Total Heating Capacity	128,8 kW		128,8 kW
	Fluid Kind for Heating	Water		Water
	Fluid Temp. In / Out (Heating)	70/50 °C		70/50 °C
	Total Cooling Capacity	74,92 kW		74,92 kW
	Fluid Kind for Cooling	Water		Water
	Fluid Temp. In / Out (Cooling)	7/12 °C		7/12 °C
	Filter Type supply Air	F7 Panel		F7 Panel
	Filter Type Return Air	M6 Panel		M6 Panel
	Total Weight	2.299 kg		2.299 kg

Accessories	Connection possible (Motherboard)	Included in the unit	Overall Total values
Co2 sensor	Yes	No	
Motion Sensor	Yes	No	
Heating Module	Yes	Yes	70/50 °C
Cooling Module	Yes	Yes	7/12 °C
Hood for supply air	Yes	No	
Hood for Exhaust air	Yes	No	
VAV	Yes	No	
Heating coil valve	Yes	No	
Cooling coil valve	Yes	No	
Electric Pre-heater	Yes	No	
Electric Heater	Yes	No	
Fire/smoke Automatic	Yes	No	
Steam Humidifier (M7)	Yes	No	
Prepared to fire	Yes	No	
Prepared to Smoke	Yes	No	
Motherboard/Display	Yes	Yes	
Kitchen Unit	Yes	No	
Unit Used as a smoke fan	Yes	No	

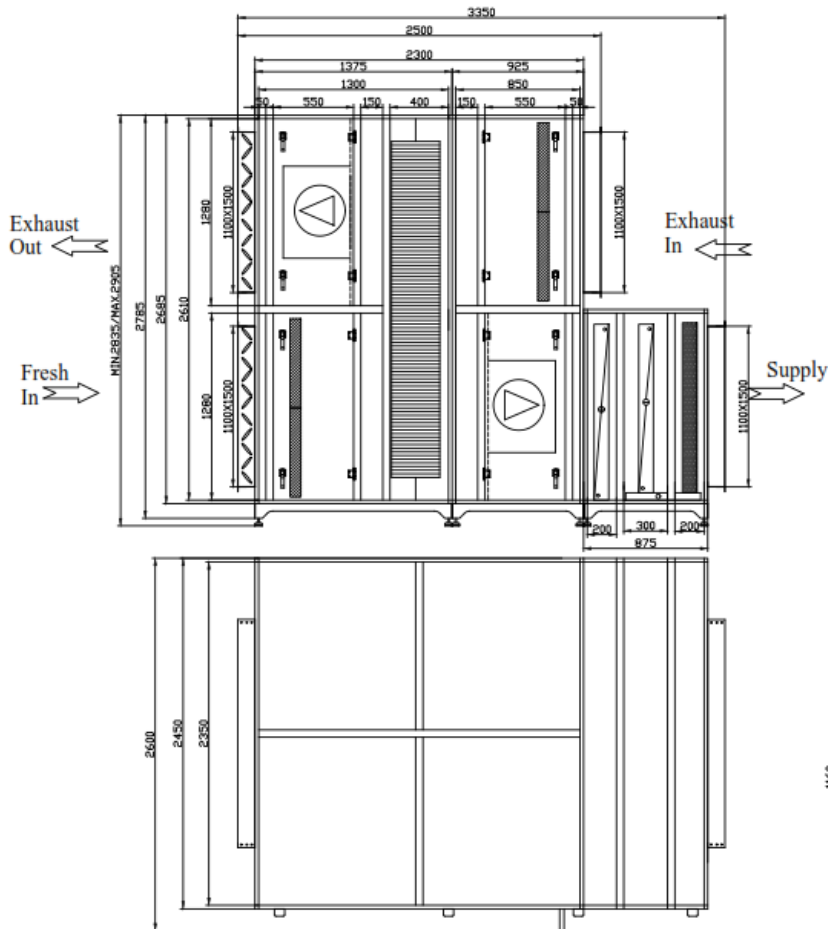
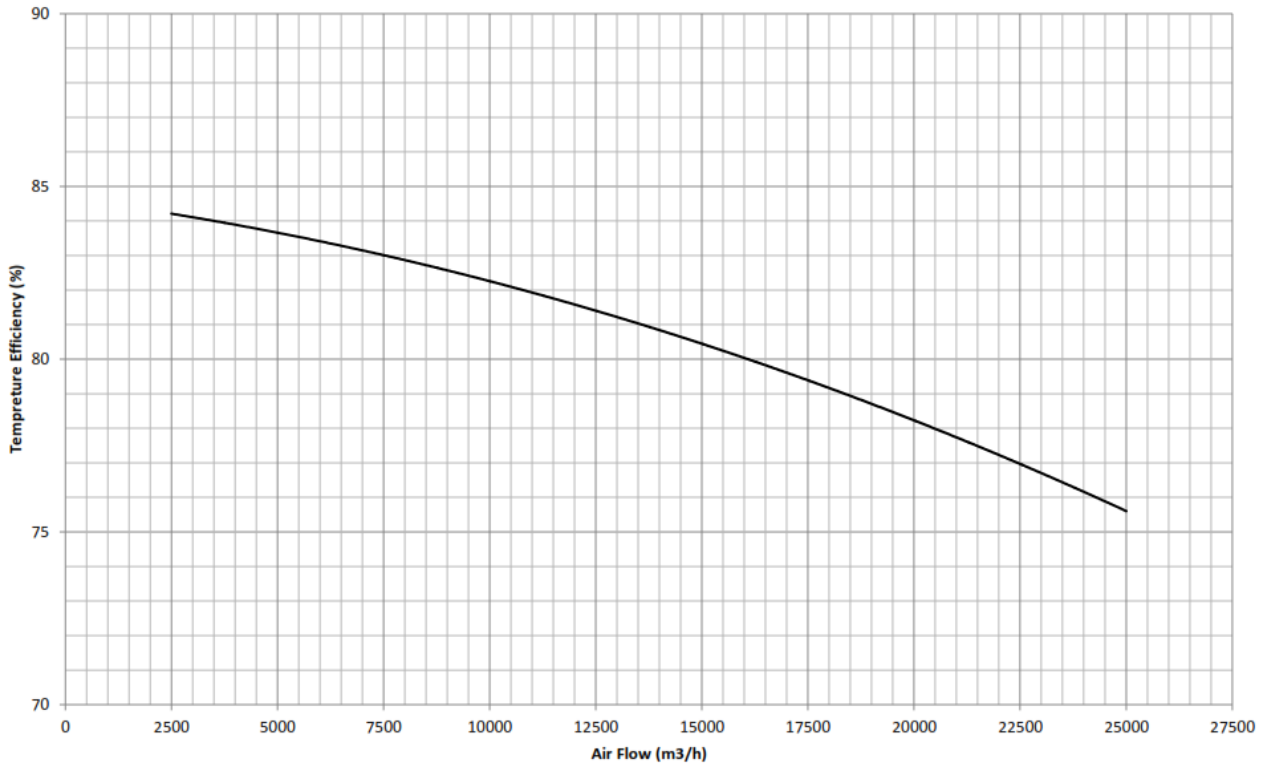
## Air Flow

### J Prime 25\_200



# Efficiency

## Jprime 25\_200



NOTE: ALL DIMENSIONS ARE MM





# ATTESTATION OF CONFORMITY UYGUNLUK ONAYI

Sertifika Numarası / Certificate Number : M.2020.ST.1195.01

<b>Üretici</b> <i>Manufacturer</i>	: BSK Havalandırma Ekipmanları Anonim Şirketi
<b>Üretici Adresi</b> <i>Manufacturer adress</i>	: Mimar Sinan Mah. Basra Cad. No:59 Sultanbeyli İSTANBUL / TÜRKİYE
<b>Ürün Tanımı</b> <i>Product description</i>	: Klima Santrali Standart&Hygienic Air Handling Units
<b>Tip / Model</b> <i>Type / Model</i>	: BSK JUPITER Serisi: 500m <sup>3</sup> /h - 100.000m <sup>3</sup> /h
<b>İlgili Yönetmelikler</b> <i>Related Directives</i>	: 2006/42/AT Makina Emniyeti Yönetmeliği/EK VIII 2006/42/EC Machinery Directive/Annex VIII
<b>İlgili Standartlar</b> <i>Related Standards</i>	: EN ISO 12100,EN ISO 14120,EN ISO 13849-1, EN 60204-1
<b>Denetim Raporu</b> <i>Audit Report</i>	: ST.1195.01

UDEM Adriatic d.o.o. adı ve adresi yukarıda belirtilen firmanın sunduğu teknik dokümanları inceleyerek, belirlenen ürünün Makina Emniyeti Yönetmeliği 2006/42/AT Ek VIII kurallarına uygunluğunu onaylar. Yukarıda belirtilen tiplerdeki ürün üzerine CE işaretini, üreticinin kendi sorumluluğunda hazırlayacağı AT Uygunluk Beyanı ile iliştirebilir. İncelemesi yapılan ürüne ait olan bu belge tasarımın değişmesi halinde geçerliliğini yitirecektir. Bu belgenin geçerliliğini [www.udemadriatic.com](http://www.udemadriatic.com) internet sayfasından kontrol edebilirsiniz. Bu belge sadece yukarıda adı geçen ürün tip/modelleri için geçerlidir. Yukarıda adı geçen firma ve UDEM bu belgelerin bir kopyasını tescil tarihinden itibaren 15 yıl süreyle muhafaza etmelidir. Bu belgenin mülkiyet hakkı UDEM Adriatic d.o.o 'ya aittir ve istenildiğinde iade edilmelidir.

UDEM Adriatic d.o.o. confirms by examining technical documents presented on the part of company which stated title and address below that product is conformable to 2006/42/EC Annex VIII



Machinery Directive regulations, could attach marking on the product with EC Declaration of Conformity prepared by manufacturer in the charge of company. In case of changing this certificate design regarding to product examined, certificate will be expired. Please check validity of this certificate by website [www.udemadriatic.com](http://www.udemadriatic.com) This certificate is valid just for the product type/models stated below. UDEM and Company above mentioned must retain a copy of these certificates for 15 years since the day of registration. This certificate property belongs to UDEM Adriatic d.o.o and if required it must be returned.

**Yayın Tarihi / Issue Date** : 29.09.2020

**Geçerlilik Tarihi / Validity date** : 28.09.2021



Udem Adriatic d.o.o

Adres: Radnička cesta 54/R3, Zagreb Croatia

Tel: +385 (1) 4819 601 Faks: +385 (1) 4819 434

E-posta: [info@udemadriatic.com](mailto:info@udemadriatic.com) Web: [www.udemadriatic.com](http://www.udemadriatic.com)

# EC DECLARATION OF CONFORMITY / AT UYGUNLUK BEYANI



We herewith declare / İş bu beyanname ile



## BSK HAVALANDIRMA EKİPMANLARI ANONİM ŞİRKETİ

**Address:** Mimar Sinan Mah. Basra Cad. No:59 Sultanbeyli İSTANBUL / TURKEY

**Product Name:** Standart&Hygienic Air Handling Units

**Model:** BSK JUPITER Serisi:500m3/h - 100.000m3/h

**Year of Manufacture/ Serial Number:** 2020/001

### Regulations Applied

We declare that we meet the following directive conditions for the Air Handling Unit that we have assembled and manufactured.

- 2006/42/EC Machinery Directive/Annex VIII

### Application Standard

- EN ISO 12100
- EN ISO 14120
- EN ISO 13849-1
- EN 60204-1

**Date and Place of Declaration :** 28.09.2020/İSTANBUL

**Name and Surname :**

Deniz Palat

**Signature, Stamp**



**Address/Adres:** Mimar Sinan, Basra Cad. No:59 Sultanbeyli / İstanbul


**Phone / Telefon:** : + 90 216 669 09 70

**Mail:** info@bskhavalandirma.com

**Web :** www.bskhavalandirma.com

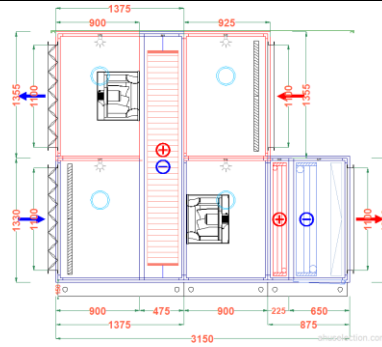
DECLARATION OF CONFORMITY



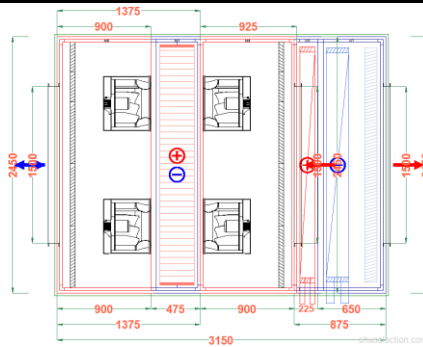
	<b>TECHNICAL DATA</b>			
	Date	21.08.2020	Rev. Date	24.09.2020
	Project ID	4157	Tracking Number	4126
	Project Name	J Prime 25 Selection		
AHUSEL V.	2.2.3.17 15.08.2020	AHU Name	J Prime_25_200_2RH_3RC - (1 QTY)	
BSK	1/8	AHU Model	JUPITER 16 X 20	



**RIGHT VIEW**



**TOP VIEW**



**GENERAL SPECIFICATIONS**

<b>Air Flow</b> 19.000 m <sup>3</sup> /h	<b>Return Air Flow</b> 19.000 m <sup>3</sup> /h	<b>Frame</b> 25 steel profile	<b>Total Dimensions mm</b> W 2.450 x H 2.835 x L 3.150	
<b>Air Velocity</b> 1,79 m/s	<b>Return Air Velocity</b> 1,75 m/s	<b>Insulation Material</b> 50 mm Rockwool 70 kg/m <sup>3</sup>	<b>Total Weight</b> 2.299 kg	
<b>Coil Air Velocity</b> 2,14 m/s	<b>Air Density</b> 1,3505 kg/m <sup>3</sup>	<b>Outside Sheet Material</b> 0,9 mm Painted Galvanize	<b>Base Height</b> 150 mm	<b>Roof (Outside)</b> Sheet
<b>Design Outdoor Temp.(W-S)</b> (-12°C/90%)-(25,80°C/60%)(Odense)		<b>Inside Sheet Material</b> 0,9 mm Galvanize	<b>Total Absorbed Power</b> 12,84 kW	
<b>Total Heating Capacity</b> 128,8 kW	<b>Total Cooling Capacity</b> 74,92 kW	<b>Total Sensible Capacity</b> 46,05 kW	<b>Motor Power</b> 4,5 kW x 2 / 4,5 kW x 2	
<b>Specific Fan Power(SFP Total)</b> 0,84 kW/(m <sup>3</sup> /s)	<b>ErP Compliance</b> 2018	<b>ErP Code</b> NRVU - BVU	<b>Real Unit CAL Class -400 Pa</b> L1	<b>Real Unit CAL Class +400 Pa</b> L2

**SOUND POWER LEVEL (dB)**

Frequency Hz	125	250	500	1000	2000	4000	8000	LwA-tot	
<b>Airborne Sound Power Level</b>	79,0	71,5	66,1	56,8	55,4	49,2	38,6	68,0	dBA
<b>Air Outlet Induct Sound Power Level</b>	86,0	88,1	86,1	83,0	82,2	78,9	77,2	88,7	dBA
<b>Air Inlet Induct Sound Power Level</b>	95,2	87,1	77,4	66,0	60,7	53,7	46,8	82,7	dBA
<b>Return Air Outlet Induct Sound Power Level</b>	90,2	92,2	90,2	87,0	83,6	81,2	79,0	91,7	dBA
<b>Return Air Inlet Induct Sound Power Level</b>	95,0	87,1	77,4	66,0	60,7	54,3	46,7	83,0	dBA

**ACCESSORIES**

Lightening, Observation Glass, Manometer Pressure Gauge, Siphon

Model	CS Class	CAL Class -400 Pa	CAL Class +700 Pa	FBL Class	TT Class	TBF Class	Casing acoustical insulation at 125 Hz [dB]	Casing acoustical insulation at 250 Hz [dB]	Casing acoustical insulation at 500 Hz [dB]	Casing acoustical insulation at 1000 Hz [dB]	Casing acoustical insulation at 2000 Hz [dB]	Casing acoustical insulation at 4000 Hz [dB]	Casing acoustical 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




\*These results obtained according to Eurovent modelbox test.

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	21.08.2020	Rev. Date	24.09.2020	
		Project ID	4157	Tracking Number	4126	
		Project Name	J Prime 25 Selection			
AHUSEL V.	2.2.3.17 15.08.2020	AHU Name	J Prime_25_200_2RH_3RC - (1 QTY)			
BSK	2/8	AHU Model	JUPITER 16 X 20			
FRESH AIR CONNECTION						
Connection Type		Control Type		Pressure Drop		
Gear Damper		Automatic (NM230ASR)		0 Pa		
Air Flow		Dimensions		Air Velocity		
19.000 m³/h		W 1.500 mm x H 1.100 mm		3,20 m/s		
SUPPLY CONNECTION						
Connection Type		Control Type		Pressure Drop		
Flange				0 Pa		
Air Flow		Dimensions		Air Velocity		
19.000 m³/h		W 1.500 mm x H 1.100 mm		3,20 m/s		
RETURN CONNECTION						
Connection Type		Control Type		Pressure Drop		
Flange				0 Pa		
Air Flow		Dimensions		Air Velocity		
19.000 m³/h		W 1.500 mm x H 1.100 mm		3,20 m/s		
EXHAUST CONNECTION						
Connection Type		Control Type		Pressure Drop		
Gear Damper		Automatic (NM230ASR)		0 Pa		
Air Flow		Dimensions		Air Velocity		
19.000 m³/h		W 1.500 mm x H 1.100 mm		3,20 m/s		
FILTER (M2)						
Air Flow	Condensation Pan			Hygienic	Spare Filter	Section Weight
19.000 m³/h						331 kg
Filter Type	Initial / Final / Design P.Drop	Air Velocity	Size/Quantity/EC*	Size/Quantity/EC*	Size/Quantity/EC*	Size/Quantity/EC*
F7 Panel	81 Pa / 181 Pa / 131 Pa	1,9 m/s	592x592x48/6/E	592x287x48/4/E		
* Filter Energy Performance; preferably energy classification						
* Frame sealing applied.						
ACCESSORIES (M2)						
Lightening, Observation Glass, Manometer Pressure Gauge						



	<b>TECHNICAL DATA</b>			
	Date	21.08.2020	Rev. Date	24.09.2020
	Project ID	4157	Tracking Number	4126
	Project Name	J Prime 25 Selection		
AHUSEL V.	2.2,3,17 15.08.2020	AHU Name	J Prime 25 200 2RH 3RC - (1 QTY)	
BSK	3/8	AHU Model	JUPITER 16 X 20	



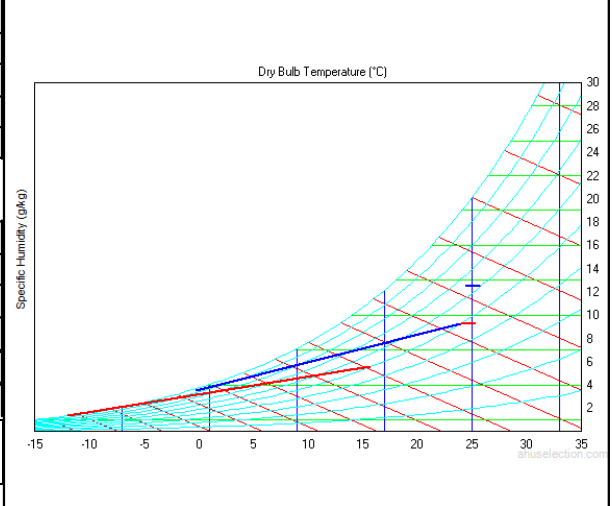
**ROTARY HEAT EXCHANGER (M1)**

Model	Rpm	Quantity	Section Weight
RRU_ECO-P-E18-2300/2300-2250	15	1	496 kg

	Fresh Air	Exhaust	Capacity	Winter	Summer			
Air Flow	19.000 m³/h	19.000 m³/h		246,17 kW	-8,50 kW			
Air Vel.	2,36 m/s	2,69 m/s	P.D	Fresh	Exhau	Fresh	Exhaus	
	Winter	Summer		125 Pa	148 Pa	158 Pa	148 Pa	
	Effic.	Balan.(*)		Effic.	Balan.(*)	1,2kg/m³	153 Pa	144 Pa
	76,80	76,80		73,31	73,31	153 Pa	144 Pa	

Hum.Effic.	53,82 %	0,00 %						
Air Inlet / Outlet	Winter				Summer			
	Fresh Air		Exhaust		Fresh Air		Exhaust	
	Inlet	Outlet	Inlet	Outlet	Inlet	Outlet	Inlet	Outlet
	DT	-12,00 °	15,65 °C	24,00 °C	-0,21 °C	25,80 °C	24,48 °C	24,00 °C
WT	-12,29 °	10,27 °C	17,07 °C	-0,49 °C	20,16 °C	19,75 °C	17,07 °C	17,52 °C
RH	90,00 %	50,50 %	50,00 %	95,00 %	60,00 %	64,90 %	50,00 %	46,20 %

Condensation Pan	OACF (*)	EATR (%) (*)
	0,00	0,00




<input type="checkbox"/> Frequency Inverter	Size mm	Bypass Damper
	(2.300 x 2.300 x 330) - 2.250	

\* Efficiency at balanced flow  
\* OACF: Outdoor Air Correction Factor, EATR: Exhaust Air Transfer Ratio

**ACCESSORIES (M1)**



	<b>TECHNICAL DATA</b>			
	Date	21.08.2020	Rev. Date	24.09.2020
	Project ID	4157	Tracking Number	4126
	Project Name	J Prime 25 Selection		
AHUSEL V.	2.2.3.17 15.08.2020	AHU Name	J Prime_25_200_2RH_3RC - (1 QTY)	
BSK	4/8	AHU Model	JUPITER 16 X 20	



**SUPPLY FAN (M4)**

Air Flow	9.500 m <sup>3</sup> /h x 2	Fan Model	EBM Papst-R3G450PA3103			Quantity	2	Section Weight	297 kg										
Internal Static Pressure	367 Pa	Motor P./Pha./Volt./Freq.	4,5 kW/3P/400V/50-60Hz			Isolator		Isolator Count											
External Static Pressure	300 Pa				Backup Fan		Backup Motor												
Total Static Pressure	667 Pa																		
Total Pressure	765 Pa																		
System Effect	14 Pa																		
Total / Static Efficiency	65,22 / 56,84 %																		
Shaft Power / Absorbed Power	3,1 / 3,37 kW x 2								Absorbed Pow.With VFD	3,37 kW x 2									
Fan Speed	2114 rpm (Max.2480 rpm)																		
Air Density	1,3505 kg/m <sup>3</sup>																		
Specific Fan Power (SFPe int)	0,44 kW/(m <sup>3</sup> /s)								<b>Sound Power Level (dB)</b>										
Electrical Current	4,86 A x 2 (Max.7,06 A x 2)								Hz	63	125	250	500	1000	2000	4000	8000	LwA-tot	
									SPLm - Outlet Side	74,9	80,8	81,1	82,6	84,0	83,7	81,2	80,3	89,6	dB(A)
		SPLa - Inlet Side	71,6	79,6	82,1	79,6	75,6	76,4	78,8	79,8	85,2	dB(A)							


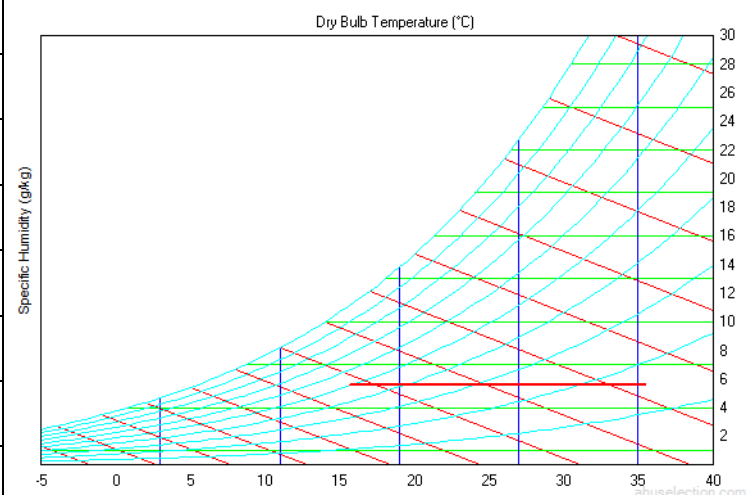

\* The fan system effect is taken into account in the fan performance  
 \* The fan calculated for wet conditions  
 \* Sfp is calculated based on clean filter & dry coil conditions

**ACCESSORIES (M4)**


Lightening, Observation Glass	
-------------------------------	---

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



		TECHNICAL DATA						
		Date	21.08.2020	Rev. Date	24.09.2020			
Project ID	4157	Tracking Number	4126					
Project Name	J Prime 25 Selection							
AHUSEL V.	2.2.3.17 15.08.2020	AHU Name	J Prime_25_200_2RH_3RC - (1 QTY)					
BSK	5/8	AHU Model	JUPITER 16 X 20					
<b>COIL (Heating) (M6)</b>								
Air Flow	Capacity / Sensible	Required Cap.	Face Vel.	Quantity	Tube Mat.	Fin Mat.	Section Weight	
19.000 m <sup>3</sup> /h	128,8/128,8 kW		2,14 m/s	1	Copper	Aluminium	145 kg	
Coil Code	32 x 28 12 36T 2R 2160A 2.8P 18NC		Tube Thickness	0,35 mm		Fin Thickness	0,1 mm	Mixing Ratio
Droplet Elimin. / Press. Drop	Condensation Pan / Hmin U-Trap		Size (W x H x L) mm	2.160 x 1.143 x 145		Conn. Material	Steel	Frame Material
Fluid Kind	Fluid In / Out							
WATER	70/50 °C							
Air Inlet Drybulb Temperature	Air Outlet Drybulb Temperature							
15,65 °C	35,48 °C							
Air Inlet Wetbulb Temperature	Air Outlet Wetbulb Temperature							
10,27 °C	17,88 °C							
Air Inlet Relative Humidity	Air Outlet Relative Humidity							
50,50 %	15,54 %							
Air Inlet - Outlet Enthalpy	Fluid Flow / Vol. Flow							
29,81 - 49,96 kJ/kg	5.540 kg/h / 5.667 dm <sup>3</sup> /h							
Air Press.Drop	Fluid Press.Drop / Fluid Velocity							
28 Pa	12,14 kPa / 0,8 m/s							
Coil Surface Area	Tube Inner Volume							
90,29 m <sup>2</sup>	20,93 L							
Manifold / Conn.QTY	Conn.Direction							
1 / 1	Right							
Connection Sizes	Air Condensation		Hygienic	Blygold				
48,3 / 48,3 mm (1-1/2" DN40 / 1-1/2" DN40)	0,00 l/h							
Bypass Damper								
<b>ACCESSORIES (M6)</b>								
								



	<b>TECHNICAL DATA</b>			
	Date	21.08.2020	Rev. Date	24.09.2020
	Project ID	4157	Tracking Number	4126
	Project Name	J Prime 25 Selection		
AHUSEL V.	2.2.3.17 15.08.2020	AHU Name	J Prime_25_200_2RH_3RC - (1 QTY)	
BSK	6/8	AHU Model	JUPITER 16 X 20	



**COIL (Cooling) (Wet Surface) (M7)**

Air Flow	Capacity / Sensible	Required Cap.	Face Vel.	Quantity	Tube Mat.	Fin Mat.	Section Weight					
19.000 m³/h	74,92/46,05 kW		2,15 m/s	1	Copper	Aluminium	397 kg					
Coil Code	32 x 28 12 36T 3R 2145A 2.8P 27NC		Tube Thickness	0,35 mm		Fin Thickness	0,1 mm	Mixing Ratio	%			
Droplet Elimin. / Press. Drop	Polypropylene / 18 Pa / 51,80 kg / QTY:1		Condensation Pan / Hmin U-Trap	Stainless Steel (Connection:Right) (Pressure:Positive) / 68,06 mm		Size (W x H x L) mm	2.145 x 1.143 x 215		Conn. Material	Steel	Frame Material	Galvanized Steel
Fluid Kind	WATER		Fluid In / Out	7/12 °C								
Air Inlet Drybulb Temperature	24,48 °C		Air Outlet Drybulb Temperature	17,18 °C								
Air Inlet Wetbulb Temperature	19,75 °C		Air Outlet Wetbulb Temperature	15,79 °C								
Air Inlet Relative Humidity	64,90 %		Air Outlet Relative Humidity	86,90 %								
Air Inlet - Outlet Enthalpy	56,41 - 44,20 kJ/kg		Fluid Flow / Vol. Flow	12.853 kg/h / 12.855 dm³/h								
Air Press.Drop(Wet/Dry)	51 Pa / 39 Pa		Fluid Press.Drop / Fluid Velocity	22,74 kPa / 1,21 m/s								
Coil Surface Area	134,50 m²		Tube Inner Volume	35,01 L								
Manifold / Conn.QTY	1 / 1		Conn.Direction	Right								
Connection Sizes	76,1 / 76,1 mm (2-1/2" DN65 / 2-1/2" DN65)											
Air Condensation			41,45 l/h		Hygienic							Blygold

Bypass Damper

**ACCESSORIES (M7)**

Siphon	
--------	---


**FILTER (M3)**

Air Flow	Condensation Pan	Hygienic	Spare Filter	Section Weight
19.000 m³/h				324 kg
Filter Type	Initial / Final / Design P.Drop	Air Velocity	Size/Quantity/EC*	Size/Quantity/EC*
M6 Panel	66 Pa / 166 Pa / 116 Pa	1,9 m/s	592x592x48/6/E	592x287x48/4/E


\* Filter Energy Performance; preferably energy classification

\* Frame sealing applied.

**ACCESSORIES (M3)**

Lightening, Observation Glass, Manometer Pressure Gauge	
---	---



	<b>TECHNICAL DATA</b>			
	Date	21.08.2020	Rev. Date	24.09.2020
	Project ID	4157	Tracking Number	4126
	Project Name	J Prime 25 Selection		
AHUSEL V.	2.2.3.17 15.08.2020	AHU Name	J Prime_25_200_2RH_3RC - (1 QTY)	
BSK	7/8	AHU Model	JUPITER 16 X 20	



**EXHAUST FAN (M5)**

Air Flow	9.500 m <sup>3</sup> /h x 2	Fan Model	EBM Papst-R3G450PA3103		Quantity	2	Section Weight	311 kg								
Internal Static Pressure	279 Pa	Motor P./Pha./Volt./Freq.	4,5 kW/3P/400V/50-60Hz		Isolator		Backup Fan									
External Static Pressure	300 Pa				Isolator Count		Backup Motor									
Total Static Pressure	579 Pa															
Total Pressure	677 Pa	System Effect	15 Pa													
Total / Static Efficiency	63,59 / 54,35 %															
Shaft Power / Absorbed Power	2,81 / 3,06 kW x 2	Absorbed Pow.With VFD	3,06 kW x 2													
Fan Speed	2066 rpm (Max.2480 rpm)															
	Air Density	1,3505 kg/m <sup>3</sup>														
Specific Fan Power (SFPe int)	0,41 kW/(m <sup>3</sup> /s)	Sound Power Level (dB)														
Electrical Current	4,41 A x 2 (Max.7,06 A x 2)	Hz	63	125					250	500	1000	2000	4000	8000	LwA-tot	
		SPLm - Outlet Side	74,5	80,7					80,8	82,5	84,0	83,2	81,6	80,1	89,5	dBA
		SPLa - Inlet Side	71,3	79,4					82,1	79,6	75,6	76,4	79,7	79,7	85,5	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 (M5)**

Lightening, Observation Glass	
-------------------------------	---

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

