

TriaAir[®]

Ventilationsanlæg

Tekniske data

J Prime 25_45, ROTOR

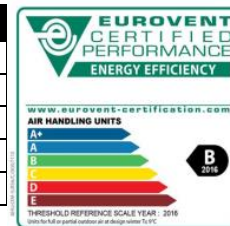


Varenr.: QB04500250
Med ROTOR

Standardfarve: RAL 9002 glans 30 (hvid)



TECHNICAL DATA			
Date	21.08.2020	Rev. Date	21.08.2020
Project ID	4157	Tracking Number	4126
Project Name	Item no. QB04500250		
AHU Name	J Prime_25_45		
AHU Model	JUPITER 8 X 16		



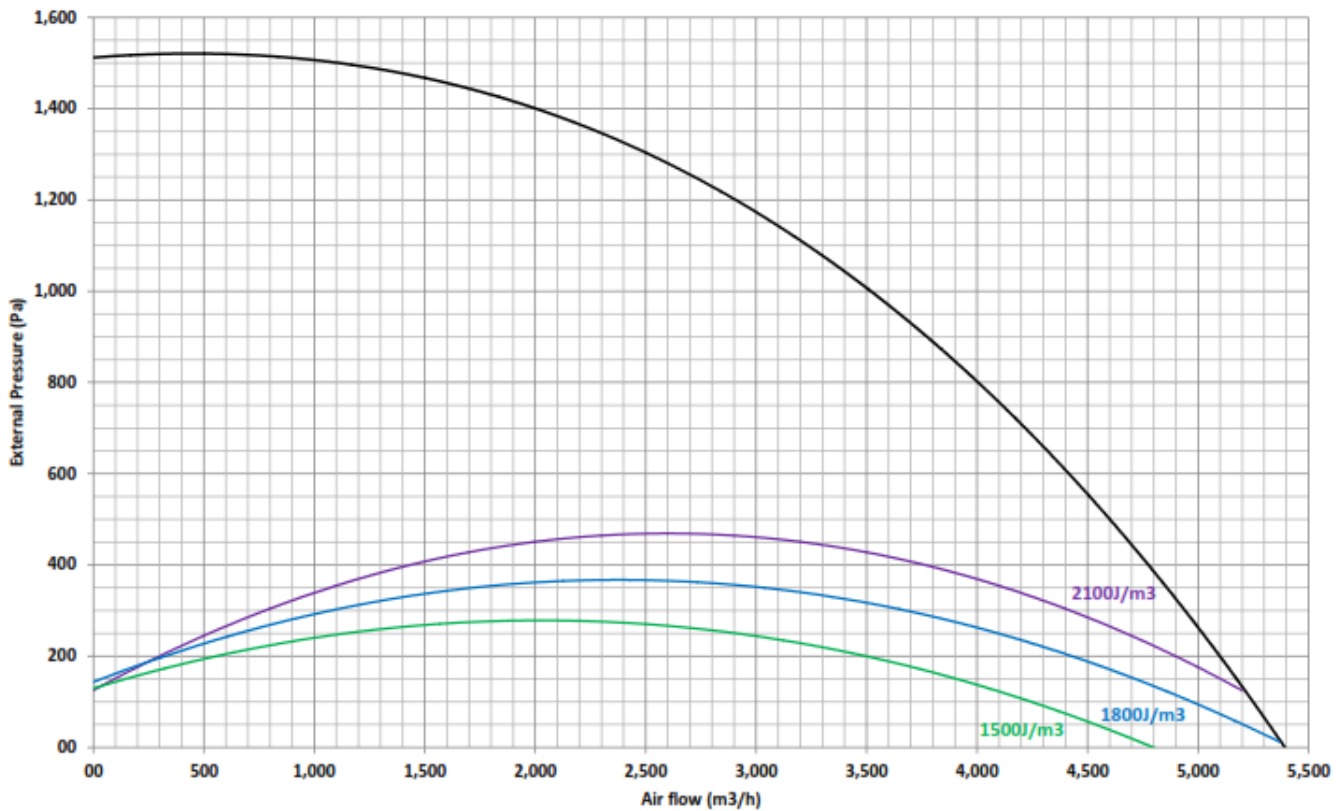
Ecodesign Requirements Table

		Value		2018	
	Product	JUPITER 25			
	Erp	2018			
A	Manufacturer	BSK Havalandırma Ekipmanları A.Ş.			
B	Model Identifier	JUPITER 8 X 16			
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	74,95 %		74,95 %	>= 73 %
G	Nominal Flow Rate	1,19 m ³ /s	1,19 m ³ /s		
H	Effective Electrical Power Input	1,32 kW	1,35 kW	2,67 kW	
I	SFPInt	501 W/(m ³ /s)	461 W/(m ³ /s)	962W/(m ³ /s)	<= 979
J	Face Velocity	1,66 m/s	1,66 m/s		
K	Nominal External Drop Δps, Ext	250 Pa		250 Pa	
L	Internal Pressure Drop Δps, Int Supply Air	292,3 Pa		292,3 Pa	
	Internal Pressure Drop Δps, Int. Exhaust Air	309 Pa		309 Pa	
M	Additional Pressure Drop Δps, Add	80,71 Pa	81,20 Pa		
N	Static Fan Efficiency EC327/2011	53,38 %	53,84 %		
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)	58,0 dBA		58,0 dBA	
S	Internet Address Of Instructions	www.Termicplus.dk			
	Total Dimension mm	W 1320 x H 1675 x L 2010			
	Supply Airflow	4.300 m ³ /h		4.300 m ³ /h	
	Return Airflow	4.300 m ³ /h		4.300 m ³ /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	2,10 m/s		2,10 m/s	
	SUPPLY CONNECTION Air Velocity	2,10 m/s		2,10 m/s	
	RETURN CONNECTION Air Velocity	9,22 m/s		9,22 m/s	
	EXHAUST CONNECTION Air Velocity	2,10 m/s		2,10 m/s	
	Total Heating Capacity				
	Fluid Kind for Heating				
	Fluid Temp. In / Out (Heating)				
	Total Cooling Capacity				
	Fluid Kind for Cooling				
	Fluid Temp. In / Out (Cooling)				
	Filter Type supply Air	F7 Panel		F7 Panel	
	Filter Type Return Air	M6 Panel		M6 Panel	
	Total Weight	778 kg		778 kg	

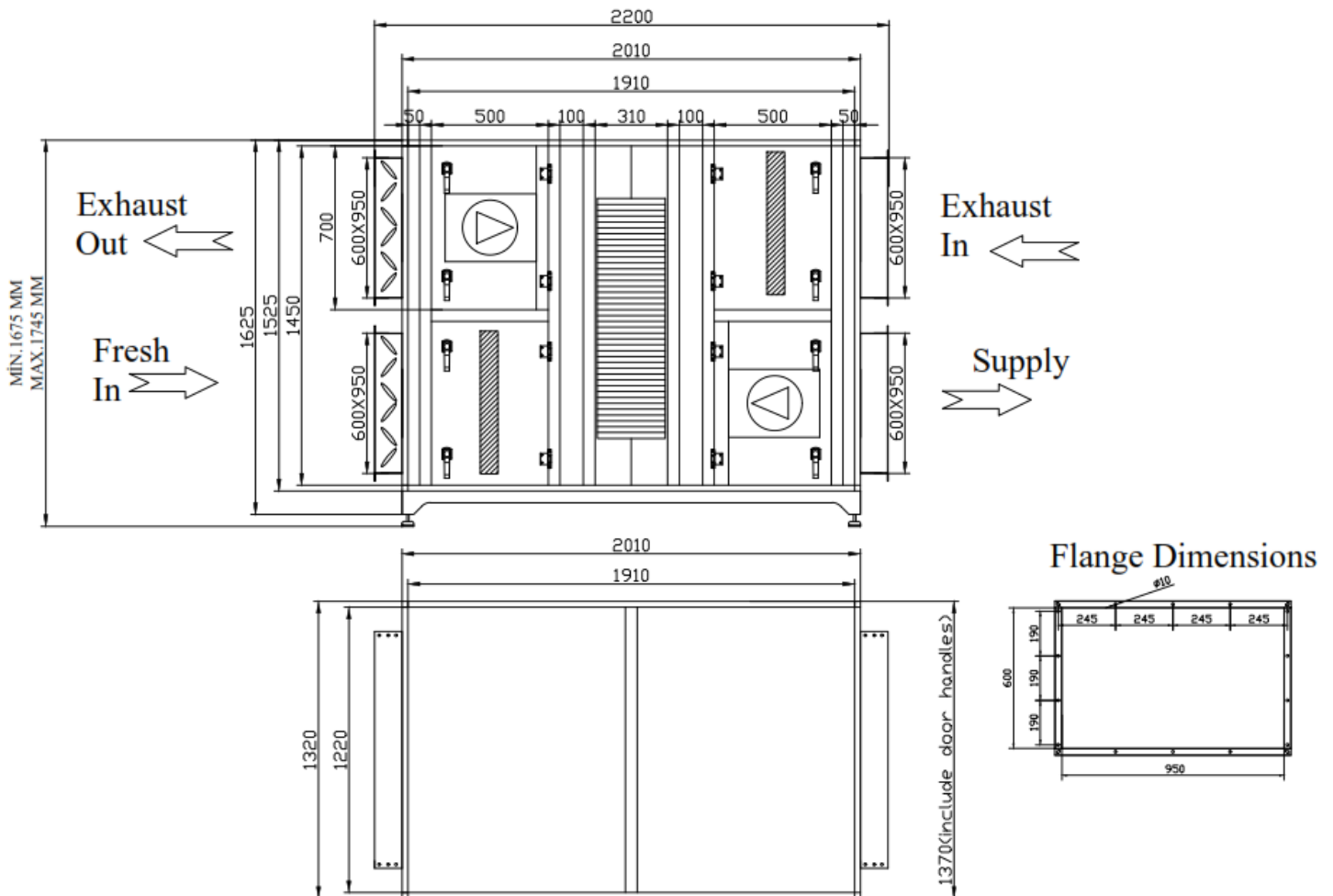
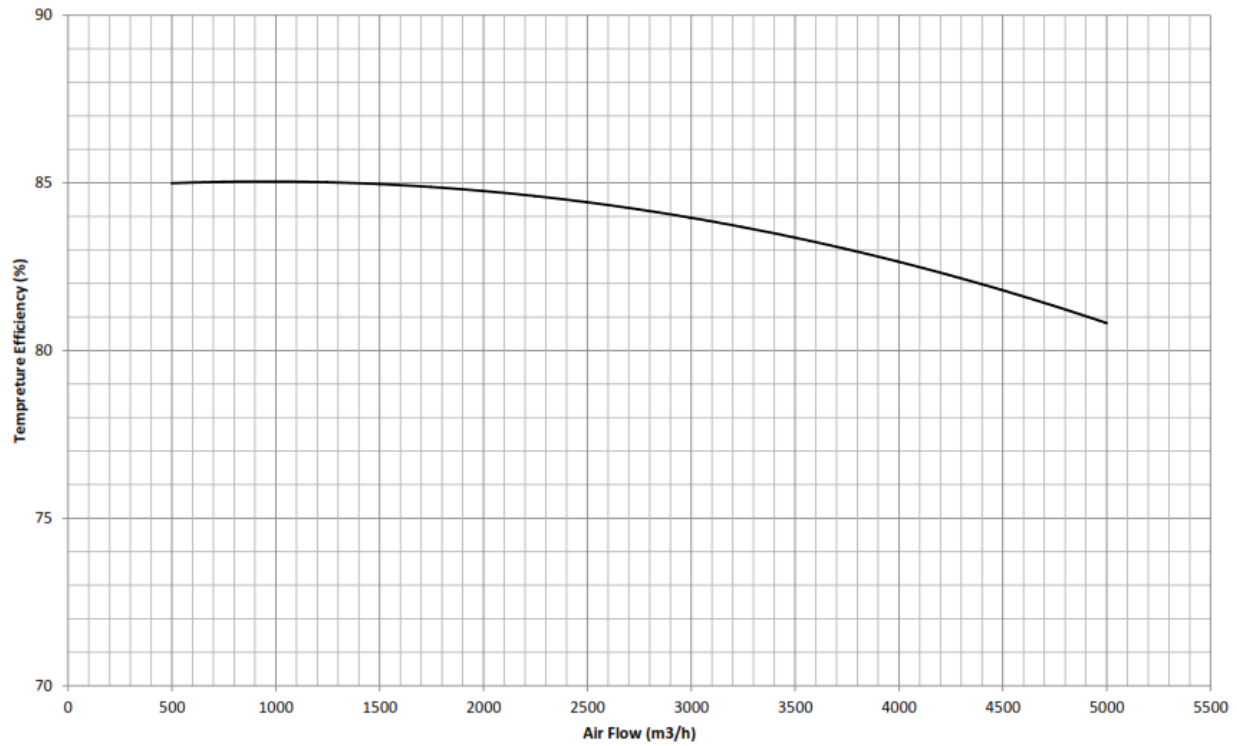
Accessories	Connection possible (Motherboard)	Included in the unit	Overall Total values
Co2 sensor	Yes	No	
Motion Sensor	Yes	No	
Heating Module	Yes	No	
Cooling Module	Yes	No	
Hood for supply air	Yes	No	
Hood for Exhaust air	Yes	No	
VAV	Yes	No	
Heating coil valve	Yes	No	
Cooling coil valve	Yes	No	
Electric 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_45



Efficiency Jprime 25_45





ATTESTATION OF CONFORMITY UYGUNLUK ONAYI

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

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

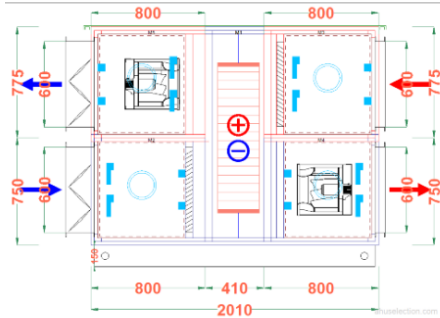
Web : www.bskhavalandirma.com

DECLARATION OF CONFORMITY

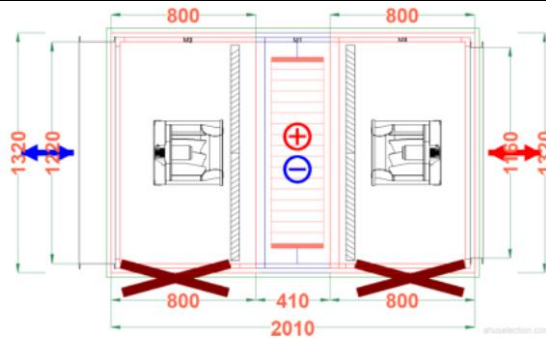
		TECHNICAL DATA			
		Date	21.08.2020	Rev. Date	21.08.2020
		Project ID	4157	Tracking Number	4126kopya
		Project Name	25secim		
AHUSEL V.	2.2.3.17 15.08.2020	AHU Name	J Prime_25_45 - (1 QTY)		
BSK	1/6	AHU Model	JUPITER 8 X 16		



RIGHT VIEW



TOP VIEW



GENERAL SPECIFICATIONS

Supply Air Flow 4.300 m³/h	Return Air Flow 4.300 m³/h	Frame 25 steel profile	Total Dimensions mm W 1320 x H 1675 x L 2010	
Supply Air Velocity 1,66 m/s	Return Air Velocity 1,66 m/s	Insulation Material 50 mm Rockwool 70 kg/m³	Total Weight 778 kg	
Design Outdoor Temp.(W-S) (-12°C/90%)-(25,80°C/60%) (Odense)	Air Density 1,3504 kg/m³	Outside Sheet Material 0,9 mm Painted Galvanize	Base Height 120 mm	Roof (Outside) Sheet
		Inside Sheet Material 0,9 mm Galvanize	Total Absorbed Power 2,67 kW	
		Total Sensible Capacity	Motor Power(Vent/Asp) 1,8 kW / 1,8 kW	
Specific Fan Power(SFP Total) 0,96 kW/(m³/s)	ErP Compliance 2018	ErP Code NRVU - BVU	Real Unit CAL Class -400 Pa L1	Real Unit CAL Class +400 Pa L2

SOUND POWER LEVEL (dB)

Frequency Hz	125	250	500	1000	2000	4000	8000	LwA-tot	
Airborne Sound Power Level	61,7	63,5	56,1	48,6	47,9	46,8	35,2	58,0	dB(A)
Air Outlet Induct Sound Power Level	74,4	85,0	81,1	79,5	76,7	79,0	75,9	85,5	dB(A)
Air Inlet Induct Sound Power Level	75,3	76,8	71,0	58,8	55,0	51,3	43,4	71,3	dB(A)
Return Air Outlet Induct Sound Power Level	74,5	84,9	81,1	79,6	76,8	79,0	75,9	85,5	dB(A)
Return Air Inlet Induct Sound Power Level	75,3	76,8	70,8	58,8	55,2	51,2	43,4	70,8	dB(A)

ACCESSORIES




Lightening, Observation Glass, Manometer Pressure Gauge



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.

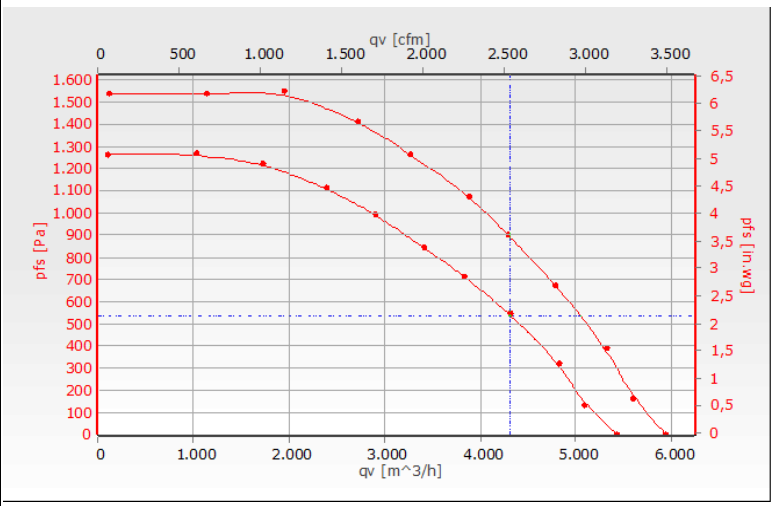
www.bskhavalandirma.com.tr	Office Tel:	+90 216 669 09 70	Factory Tel:	+90 216 669 09 70
info@bskhavalandirma.com.tr	Office Fax:	+90 216 669 09 72	Factory Fax:	+90 216 669 09 72



		TECHNICAL DATA				
		Date	21.08.2020	Rev. Date	21.08.2020	
		Project ID	4157	Tracking Number	4126kopya	
		Project Name	25secim			
AHUSEL V.	2.2.3.17 15.08.2020	AHU Name	J Prime_25_45 - (1 QTY)			
BSK	2/6	AHU Model	JUPITER 8 X 16			
FRESH AIR CONNECTION						
Connection Type		Control Type		Pressure Drop		
Flange				0 Pa		
Airflow		Dimensions		Air Velocity		
4.300 m³/h		W 600 mm x H 950 mm		2,10 m/s		
SUPPLY CONNECTION						
Connection Type		Control Type		Pressure Drop		
Flange				0 Pa		
Airflow		Dimensions		Air Velocity		
4.300 m³/h		W 600mm x H 950 mm		2,10 m/s		
RETURN CONNECTION						
Connection Type		Control Type		Pressure Drop		
Flange				0 Pa		
Airflow		Dimensions		Air Velocity		
4.300 m³/h		W 600 mm x H 950 mm		9,22 m/s		
EXHAUST CONNECTION						
Connection Type		Control Type		Pressure Drop		
Flange				0 Pa		
Airflow		Dimensions		Air Velocity		
4.300 m³/h		W 600mm x H 950 mm		2,10 m/s		
FILTER (M2)						
Airflow	Condensation Pan			Spare Filter	Section Weight	
4.300 m³/h					149 kg	
Filter Type	Initial / Final / Design P.Drop	Air Velocity	Size/Quantity/EC*	Size/Quantity/EC*	Size/Quantity/EC*	Size/Quantity/EC*
F7 Panel	72 Pa / 172 Pa / 122 Pa	1,73 m/s	592x592x48/1/E	592x287x48/2/E		
* Filter Energy Performance; preferably energy classification						
* Frame sealing applied.						
ACCESSORIES (M2)						
Lightening, Observation Glass, Manometer Pressure Gauge						

	TECHNICAL DATA				
	Date	21.08.2020	Rev. Date		21.08.2020
	Project ID	4157	Tracking Number		4126kopya
	Project Name	25secim			
AHUSEL V.	2.2.3.17 15.08.2020	AHU Name		J Prime_25_45 - (1 QTY)	
BSK	4/6	AHU Model		JUPITER 8 X 16	

SUPPLY FAN (M4)

Airflow	4.300 m³/h	Fan Model	EBM Papst-R3G310PH3801		Quantity	1	Section Weight	161 kg				
Internal Static Pressure	292,3 Pa	Motor P./Pha./Volt./Freq.	1,8 kW/3P/400V/50-60Hz		Isolator		Isolator Count					
External Static Pressure	250 Pa				Backup Fan		Backup Motor					
Total Static Pressure	542,29 Pa											
Total Pressure	623 Pa											
System Effect	19 Pa											
Total / Static Efficiency	61,32 / 53,38 %											
Shaft Power / Absorbed Power	1,21 / 1,32 kW	Absorbed Pow.With VFD	1,32 kW									
Fan Speed	3077 rpm (Max.3410 rpm)											
	Air Density	1,2000 kg/m³										
Specific Fan Power (SFPe int)	0,50 kW/(m³/s)	Sound Power Level (dB)										
		Hz	63	125	250	500	1000	2000	4000	8000	LwA-tot	
Electrical Current	1,90 A (Max.2,82 A)	SPLm - Outlet Side	65,1	69,0	77,3	76,9	79,5	79,1	82,3	79,9	87,1	dBA
		SPLa - Inlet Side	62,9	67,6	76,4	76,7	71,2	72,7	78,6	77,5	83,0	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 (M4)

Lightening, Observation Glass



FILTER (M3)

Airflow	4.300 m³/h	Condensation Pan				Spare Filter		Section Weight	129 kg
Filter Type	M6 Panel	Initial / Final / Design P.Drop	59 Pa / 159 Pa / 109 Pa	Air Velocity	1,73 m/s	Size/Quantity/EC*	592x592x48/1/E	Size/Quantity/EC*	592x287x48/2/E
						Size/Quantity/EC*		Size/Quantity/EC*	



* Filter Energy Performance; preferably energy classification

* Frame sealing applied.

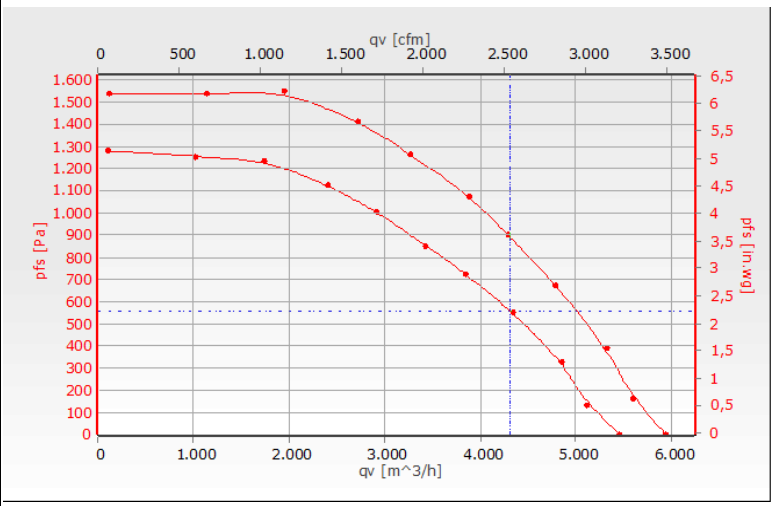
ACCESSORIES (M3)

Lightening, Observation Glass, Manometer Pressure Gauge



	TECHNICAL DATA				
	Date	21.08.2020	Rev. Date		21.08.2020
	Project ID	4157	Tracking Number		4126kopya
	Project Name	25secim			
AHUSEL V.	2.2.3.17 15.08.2020	AHU Name		J Prime_25_45 - (1 QTY)	
BSK	5/6	AHU Model		JUPITER 8 X 16	

EXHAUST FAN (M5)

Airflow	4.300 m ³ /h	Fan Model	EBM Papst-R3G310PH3801		Quantity	1	Section Weight	141 kg				
Internal Static Pressure	309 Pa	Motor P./Pha./Volt./Freq.	1,8 kW/3P/400V/50-60Hz		Isolator		Isolator Count					
External Static Pressure	250 Pa				Backup Fan		Backup Motor					
Total Static Pressure	558,8 Pa											
Total Pressure	640 Pa								System Effect	20 Pa		
Total / Static Efficiency	61,62 / 53,84 %											
Shaft Power / Absorbed Power	1,24 / 1,35 kW								Absorbed Pow.With VFD	1,35 kW		
Fan Speed	3094 rpm (Max.3410 rpm)	Air Density	1,2000 kg/m ³									
Specific Fan Power (SFPe int)	0,46 kW/(m ³ /s)	Sound Power Level (dB)										
Electrical Current	1,94 A (Max.2,82 A)	Hz	63	125	250	500	1000	2000	4000	8000	LwA-tot	
		SPLm - Outlet Side	65,1	69,1	77,2	76,9	79,6	79,2	82,3	79,9	87,2	dB(A)
		SPLa - Inlet Side	62,9	67,6	76,4	76,5	71,2	72,9	78,4	77,4	82,9	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 (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

