

# TriaAir®

Ventilationsanlæg

## Tekniske data

J Prime 25\_65, ROTOR



Varenr.: QB06500250  
Med ROTOR

Standardfarve: RAL 9002 glans 30 (hvid)



TECHNICAL DATA			
Date	21.08.2020	Rev. Date	11.09.2020
Project ID	4157	Tracking Number	4126
Project Name	Item no. QB06500250		
AHU Name	J Prime_25_65		
AHU Model	JUPITER 8 X 16		



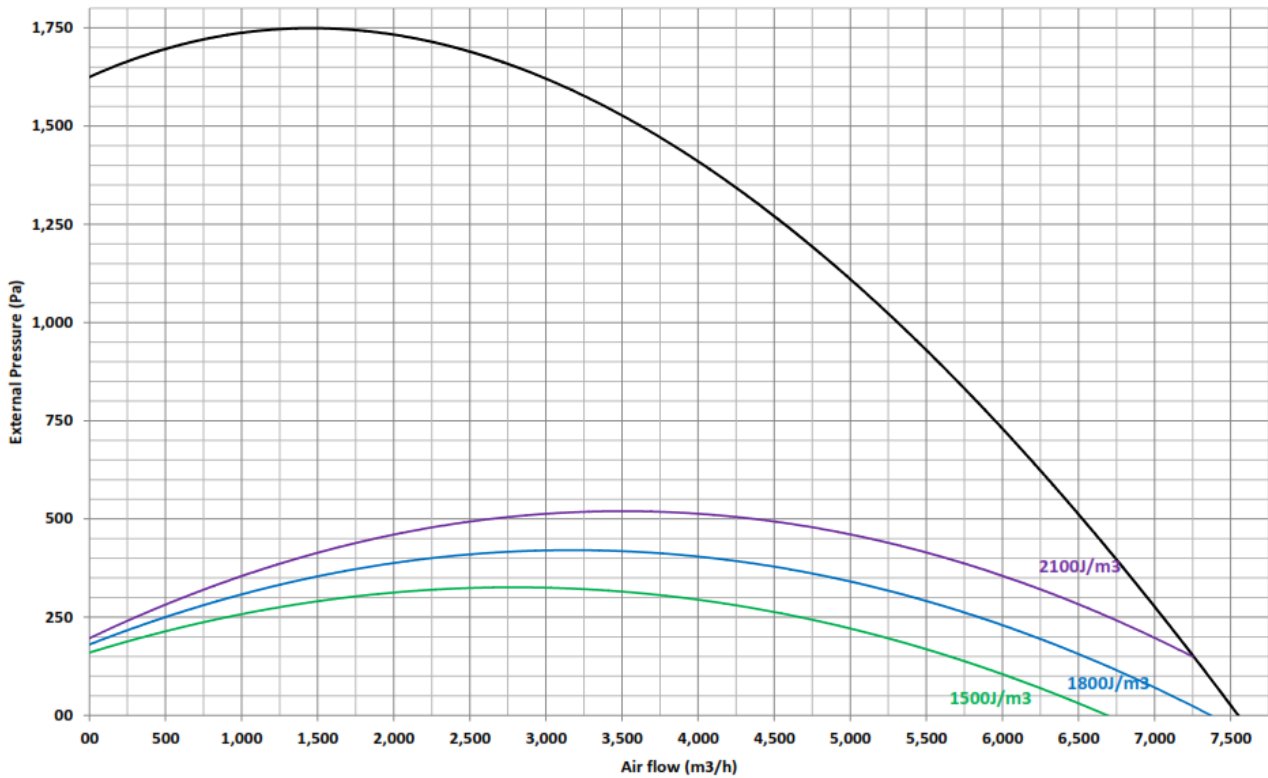
Ecodesign Requirements Table

		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	77,86 %		77,86 % >= 73 %
G	Nominal Flow Rate	1,81 m³/s	1,81 m³/s	
H	Effective Electrical Power Input	2,03 kW	2,05 kW	4,08 kW
I	SFPInt	455 W/(m³/s)	416 W/(m³/s)	871W/(m³/s) <= 975
J	Face Velocity	1,50 m/s	1,46 m/s	
K	Nominal External Drop Δps, Ext	250 Pa		250 Pa
L	Internal Pressure Drop Δps, Int Supply Air	268 Pa		268 Pa
	Internal Pressure Drop Δps, Int. Exhaust Air	275 Pa		275 Pa
M	Additional Pressure Drop Δps, Add	116 Pa	116 Pa	
N	Static Fan Efficiency EC327/2011	50,11 %	50,35 %	
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)	61,5 dBA		61,5 dBA
S	Internet Address Of Instructions	<a href="http://www.Termicplus.dk">www.Termicplus.dk</a>		
	Total Dimension mm	W 1.650 x H 1.875 x L 2.150		
	Supply Airflow	6.500 m³/h		6.500 m³/h
	Return Airflow	6.500 m³/h		6.500 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	2,15 m/s		2,15 m/s
	SUPPLY CONNECTION Air Velocity	2,15 m/s		2,15 m/s
	RETURN CONNECTION Air Velocity	2,15 m/s		2,15 m/s
	EXHAUST CONNECTION Air Velocity	2,15 m/s		2,15 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	970 kg		970 kg

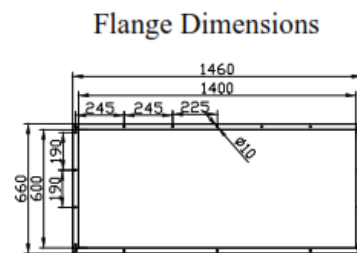
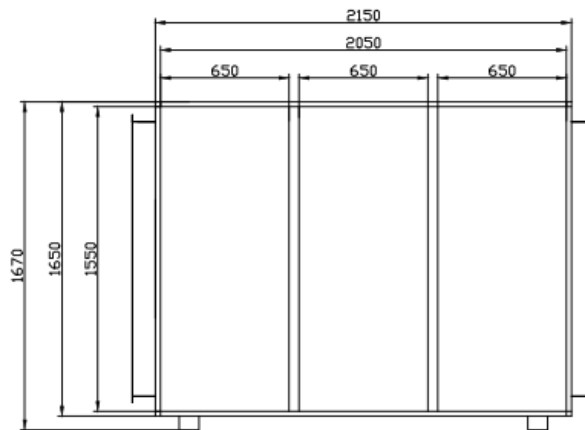
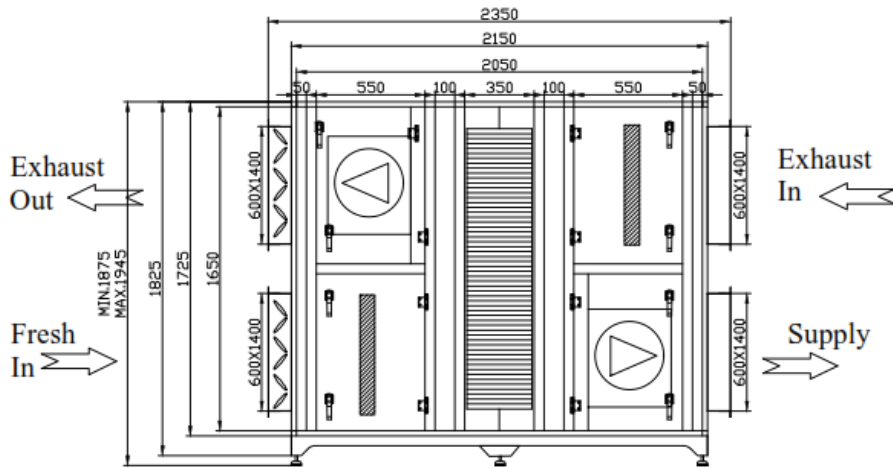
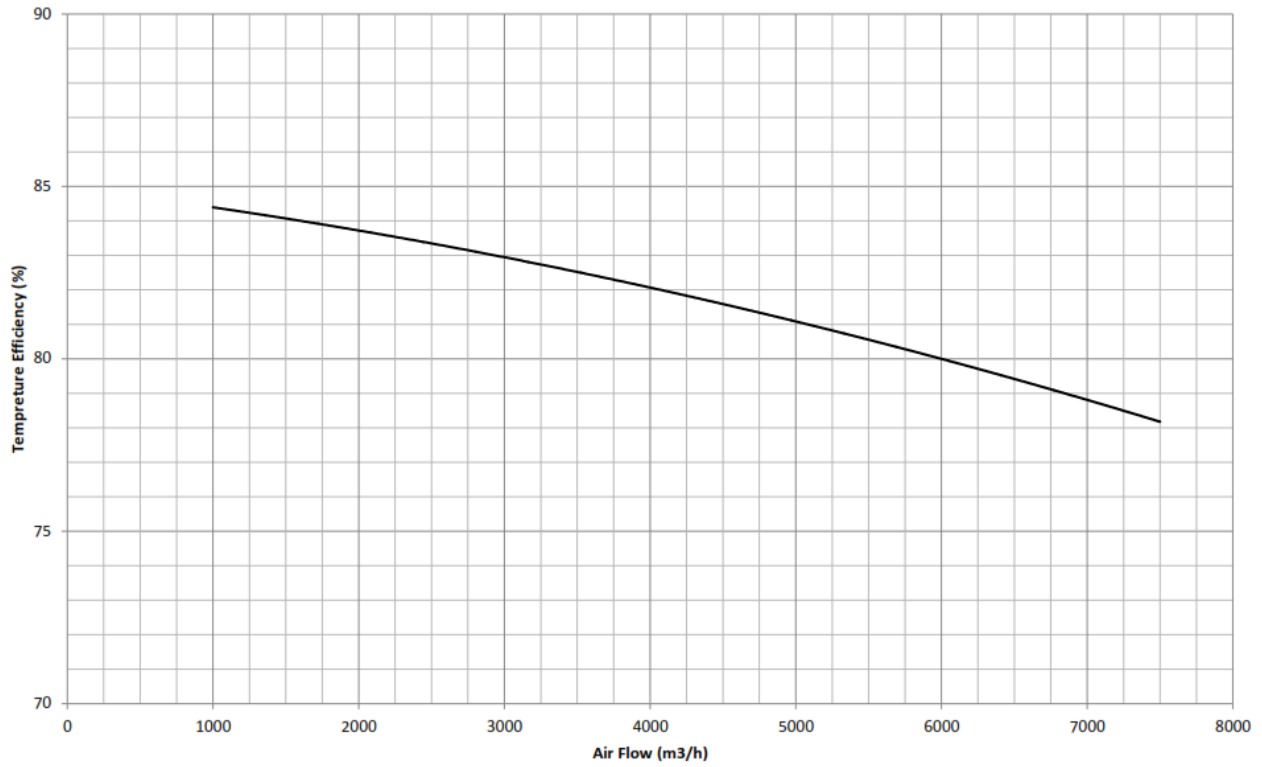
Accessories	Connection possible (Motherboard)	Included in the unit	Overall Total values
Co2 sensor	Yes	No	
Motion Sensor	Yes	No	
Heating Module	Yes	No	
Cooling Module	Yes	No	
Hood for supply air	Yes	No	
Hood for Exhaust air	Yes	No	
VAV	Yes	No	
Heating coil valve	Yes	No	
Cooling coil valve	Yes	No	
Electric 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\_65



## Efficiency Jprime 25\_65



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 edilmektedir.

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

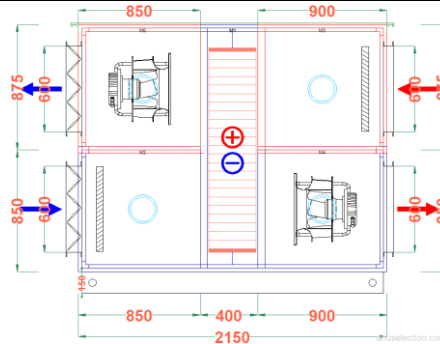
**Web :** www.bskhavalandirma.com

DECLARATION OF CONFORMITY

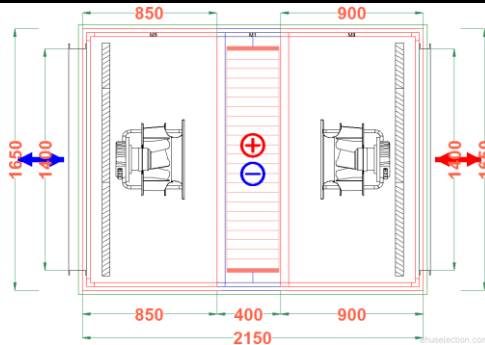
	<b>TECHNICAL DATA</b>			
	Date	21.08.2020	Rev. Date	11.09.2020
	Project ID	4157	Tracking Number	4126kopya
Project Name		25secim		
AHUSEL V.	2.2.3.17 15.08.2020	AHU Name J Prime_25_65 - (1 QTY)		
BSK	1/6	AHU Model JUPITER 8 X 16		



RIGHT VIEW



TOP VIEW



**GENERAL SPECIFICATIONS**

Supply Air Flow 6.500 m³/h	Return Air Flow 6.500 m³/h	Frame 25 steel profile	Total Dimensions mm W 1.650 x H 1.875 x L 2.150
Supply Air Velocity 1,5 m/s	Return Air Velocity 1,46 m/s	Insulation Material 50 mm Rockwool 70 kg/m³	Total Weight 970 kg
	Air Density 1,3504 kg/m³	Outside Sheet Material 0,9 mm Painted Galvanize	Base Height 150 mm
Design Outdoor Temp.(W-S) (-12°C/90%)-(25,80°C/60%) (Odense)		Inside Sheet Material 0,9 mm Galvanize	Roof (Outside) Sheet
		Total Sensible Capacity	Total Absorbed Power 4,08 kW
			Motor Power(Vent/Asp) 2,8 kW / 2,8 kW
Specific Fan Power(SFP Total) 0,87 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	64,8	68,1	59,7	52,4	50,8	46,5	40,4	61,6	dBA
Air Outlet Induct Sound Power Level	77,3	89,1	84,4	83,0	79,4	78,8	80,7	88,5	dBA
Air Inlet Induct Sound Power Level	77,1	81,4	74,0	61,8	57,9	49,5	46,9	75,4	dBA
Return Air Outlet Induct Sound Power Level	77,3	89,0	84,3	83,0	79,4	78,8	80,7	88,5	dBA
Return Air Inlet Induct Sound Power Level	77,1	81,4	74,0	61,8	57,9	49,5	46,9	75,4	dBA

**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.

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		Project ID	4157	Tracking Number	4126kopya	
		Project Name	25secim			
AHUSEL V.	2.2.3.17 15.08.2020	AHU Name	J Prime_25_65 - (1 QTY)			
BSK	2/6	AHU Model	JUPITER 8 X 16			
FRESH AIR CONNECTION						
Connection Type		Control Type		Pressure Drop		
Gear Damper		Automatic (LM230ASR)		0 Pa		
Airflow		Dimensions		Air Velocity		
6.500 m³/h		W 1.400 mm x H 600 mm		2,15 m/s		
SUPPLY CONNECTION						
Connection Type		Control Type		Pressure Drop		
Flange				0 Pa		
Airflow		Dimensions		Air Velocity		
6.500 m³/h		W 1.400 mm x H 600 mm		2,15 m/s		
RETURN CONNECTION						
Connection Type		Control Type		Pressure Drop		
Flange				0 Pa		
Airflow		Dimensions		Air Velocity		
6.500 m³/h		W 1.400 mm x H 600 mm		2,15 m/s		
EXHAUST CONNECTION						
Connection Type		Control Type		Pressure Drop		
Gear Damper		Automatic (LM230ASR)		0 Pa		
Airflow		Dimensions		Air Velocity		
6.500 m³/h		W 1.400 mm x H 600 mm		2,15 m/s		
FILTER (M2)						
Airflow	Condensation Pan			Spare Filter	Section Weight	
6.500 m³/h					191 kg	
Filter Type	Initial / Final / Design P.Drop	Air Velocity	Size/Quantity/EC*	Size/Quantity/EC*	Size/Quantity/EC*	Size/Quantity/EC*
F7 Panel	90 Pa / 190 Pa / 140 Pa	2,07 m/s	592x592x48/2/E	592x287x48/1/E		
* Filter Energy Performance; preferably energy classification						
* Frame sealing applied.						
ACCESSORIES (M2)						
Lightening, Observation Glass, Manometer Pressure Gauge						



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	Project Name	25secim		
AHUSEL V.	2.2.3.17 15.08.2020	AHU Name	J Prime_25_65 - (1 QTY)	
BSK	3/6	AHU Model	JUPITER 8 X 16	

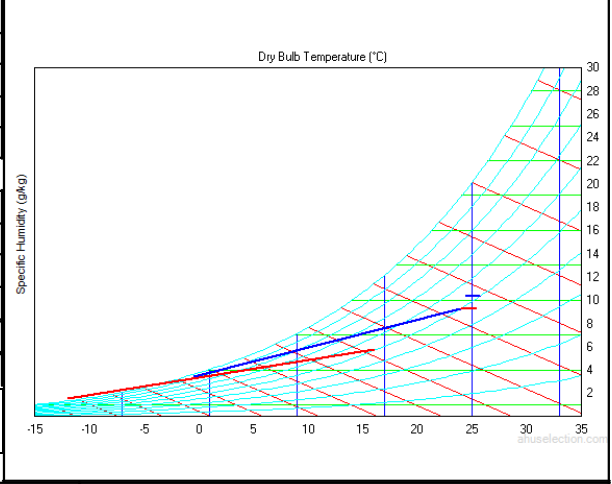


**ROTARY HEAT EXCHANGER (M1)**

Model	Rpm	Quantity	Section Weight
RRU_ECO-P-E18-1425/1425-1375	15	1	218 kg

	Fresh Air	Exhaust	Capacity	Winter	Summer				
Airflow	6.500 m³/h	6.500 m³/h		85,15 kW	-2,96 kW				
Air Vel.	2,16 m/s	2,47 m/s		Fresh	Exhau	Fresh	Exhaus		
	Winter		Summer	P.D	113 Pa	134 Pa	145 Pa	134 Pa	
	Effic.	Balan.(*)	Effic.	Balan.(*)	1,2kg/m³	139 Pa	131 Pa	139 Pa	131 Pa
	77,86	77,86	74,79	74,79					

Air Inlet / Outlet	Winter				Summer			
	Fresh Air		Exhaust		Fresh Air		Exhaust	
	Inlet	Outlet	Inlet	Outlet	Inlet	Outlet	Inlet	Outlet
	DT	-12,00 °	16,03 °C	24,00 °C	-0,46 °C	25,80 °C	24,45 °C	24,00 °C
WT	-12,00 °	10,59 °C	17,07 °C	-0,74 °C	18,55 °C	18,10 °C	17,07 °C	17,53 °C
RH	100,00	50,61 %	50,00 %	95,00 %	50,00 %	54,17 %	50,00 %	46,13 %

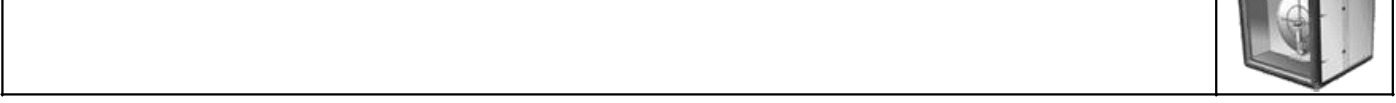


Condensation Pan	OACF (*)	EATR (%) (*)
	0,00	0,00

<input type="checkbox"/> Frequency Inverter	Size mm (1.425 x 1.425 x 330) - 1.375	Bypass Damper
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\* Efficiency at balanced flow  
\* OACF: Outdoor Air Correction Factor, EATR: Exhaust Air Transfer Ratio

**ACCESSORIES (M1)**



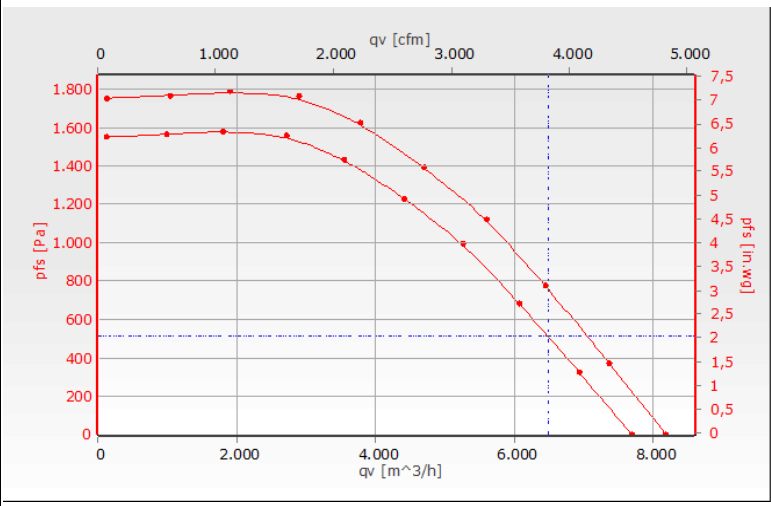
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BSK	4/6	AHU Model	JUPITER 8 X 16	



**SUPPLY FAN (M4)**

Airflow	6.500 m <sup>3</sup> /h	Fan Model	EBM Papst-K3G355PI9302			Quantity	1	Section Weight	203 kg			
Internal Static Pressure	268 Pa	Motor P./Pha./Volt./Freq.	2,8 kW/3P/400V/50-60Hz			Isolator		Isolator Count				
External Static Pressure	250 Pa				Backup Fan		Backup Motor					
Total Static Pressure	518 Pa											
Total Pressure	634 Pa											
System Effect	15 Pa											
Total / Static Efficiency	61,30 / 50,11 %											
Shaft Power / Absorbed Power	1,87 / 2,03 kW											
Fan Speed	3051 rpm (Max.3230 rpm)	Air Density	1,2000 kg/m <sup>3</sup>									
Specific Fan Power (SFPe int)	0,46 kW/(m <sup>3</sup> /s)	<b>Sound Power Level (dB)</b>										
Electrical Current	2,93 A (Max.4,39 A)	Hz	63	125	250	500	1000	2000	4000	8000	LwA-tot	
		SPLm - Outlet Side	68,7	71,7	81,0	80,0	83,0	81,9	82,1	84,9	89,6	dBa
		SPLa - Inlet Side	65,7	69,0	80,3	79,5	74,3	76,1	76,1	83,0	85,4	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 (M4)**


Lightening, Observation Glass	
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**FILTER (M3)**

Airflow	6.500 m <sup>3</sup> /h	Condensation Pan				Spare Filter		Section Weight	171 kg
Filter Type	M6 Panel	Initial / Final / Design P.Drop	75 Pa / 175 Pa / 125 Pa	Air Velocity	2,07 m/s	Size/Quantity/EC*	592x592x48/2/E	Size/Quantity/EC*	592x287x48/1/E



\* Filter Energy Performance; preferably energy classification  
 \* Frame sealing applied.

**ACCESSORIES (M3)**

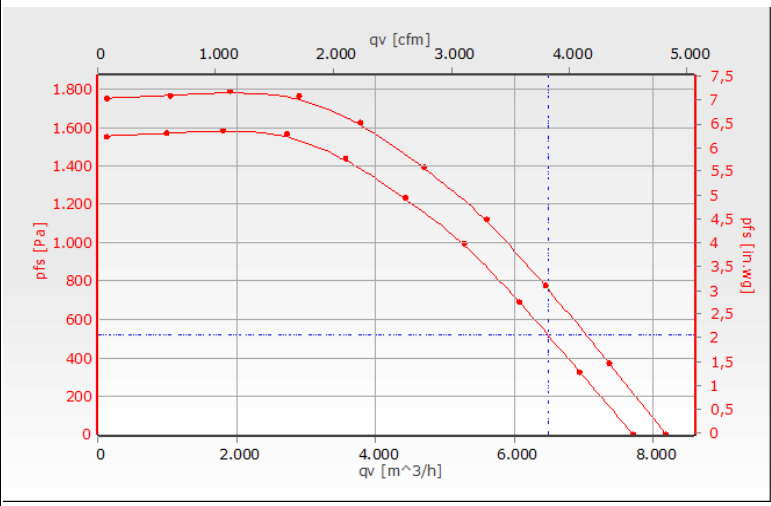
Lightening, Observation Glass, Manometer Pressure Gauge	
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BSK	5/6	AHU Model		JUPITER 8 X 16	

**EXHAUST FAN (M5)**

Airflow	6.500 m <sup>3</sup> /h	Fan Model	EBM Papst-K3G355P19302		Quantity	1	Section Weight	187 kg				
Internal Static Pressure	275 Pa	Motor P./Pha./Volt./Freq.	2,8 kW/3P/400V/50-60Hz		Isolator		Isolator Count					
External Static Pressure	250 Pa				Backup Fan		Backup Motor					
Total Static Pressure	525 Pa											
Total Pressure	641 Pa								System Effect	16 Pa		
Total / Static Efficiency	61,45 / 50,35 %											
Shaft Power / Absorbed Power	1,88 / 2,05 kW								Absorbed Pow.With VFD	2,05 kW		
Fan Speed	3057 rpm (Max.3230 rpm)	Air Density	1,2000 kg/m <sup>3</sup>									
Specific Fan Power (SFPe int)	0,42 kW/(m <sup>3</sup> /s)	<b>Sound Power Level (dB)</b>										
Electrical Current	2,95 A (Max.4,39 A)	Hz	63	125	250	500	1000	2000	4000	8000	LwA-tot	
		SPLm - Outlet Side	68,7	71,7	80,9	79,9	83,0	81,9	82,1	84,9	89,6	dB(A)
		SPLa - Inlet Side	65,6	69,0	80,3	79,5	74,3	76,1	76,1	83,0	85,4	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	
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