

# TriaAir<sup>®</sup>

Ventilationsanlæg

## Tekniske data

J Prime 25\_12, ROTOR



Varenr.: Q01200150  
Med ROTOR

Standardfarve: RAL 9002 glans 30 (hvid)





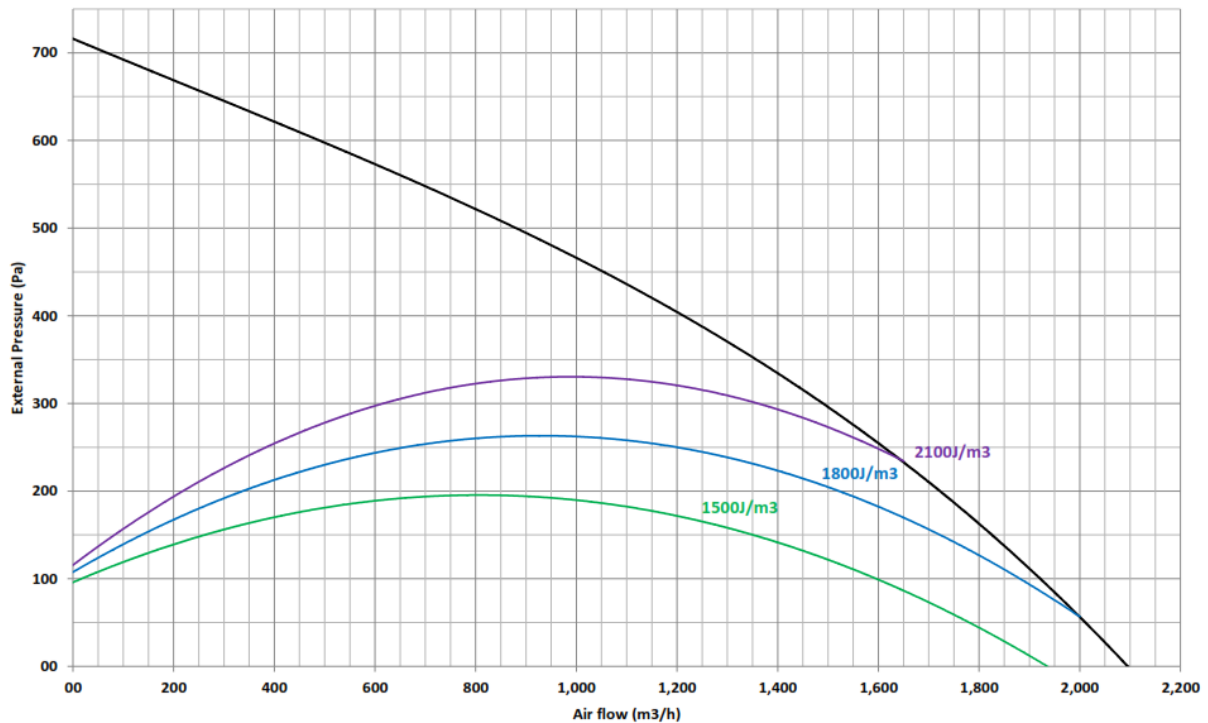
TECHNICAL DATA			
Date	21.08.2020	Rev. Date	07.09.2020
Project ID	4157	Tracking Number	4126
Project Name	Item no. Q01200150		
AHU Name	J Prime_25_12		
AHU Model	JUPITER 8 X 8		



Ecodesign Requirements Table				
		Value		2018
	Product	JUPITER 25		
	Erp	2018		
A	Manufacturer	BSK Havalandırma Ekipmanları A.Ş.		
B	Model Identifier	JUPITER 8 X 8		
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	81,58 %		81,58 % >= 73 %
G	Nominal Flow Rate	0,33 m³/s	0,33 m³/s	
H	Effective Electrical Power Input	0,32 kW	0,33 kW	0,65 kW
I	SFPInt	544 W/(m³/s)	493 W/(m³/s)	1037W/(m³/s) <= 1307
J	Face Velocity	1,49 m/s	1,39 m/s	
K	Nominal External Drop Δps, Ext	150 Pa		150 Pa
L	Internal Pressure Drop Δps, Int Supply Air	271 Pa		271 Pa
	Internal Pressure Drop Δps, Int Exhaust Air	295 Pa		295 Pa
M	Additional Pressure Drop Δps, Add	54 Pa	54 Pa	
N	Static Fan Efficiency EC327/2011	48,21 %	48,65 %	
O	Declared Maximum Ext./Int. Leakage Rate	1,00 %		1,00 %
	Leakage Classifications by Eurovent	L1		L1
P	Energy Performance Of Filters	A	A	
Q	Description Of Visual Filter Warning	Manometer Pressure Gauge	Manometer Pressure Gauge	Required
R	Casing Sound Power Level (Lwa)	53,2 dBA		53,2 dBA
S	Internet Address Of Instructions	<a href="http://www.Termicplus.dk">www.Termicplus.dk</a>		
	Total Dimension mm	W 750 x H 1015 x L 1.510		
	Supply Airflow	1.200 m³/h		1.200 m³/h
	Return Airflow	1.200 m³/h		1.200 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	2,78 m/s		2,78 m/s
	SUPPLY CONNECTION Air Velocity	2,78 m/s		2,78 m/s
	RETURN CONNECTION Air Velocity	5,33 m/s		5,33 m/s
	EXHAUST CONNECTION Air Velocity	2,78 m/s		2,78 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	330kg		330 kg

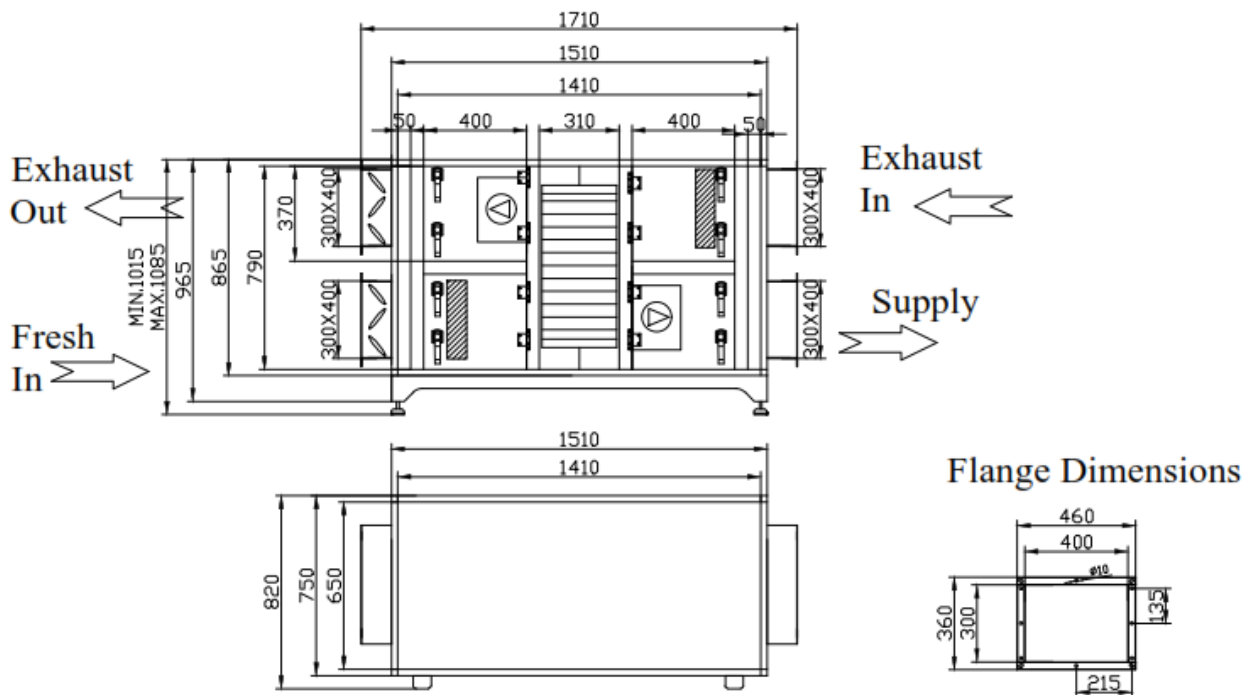
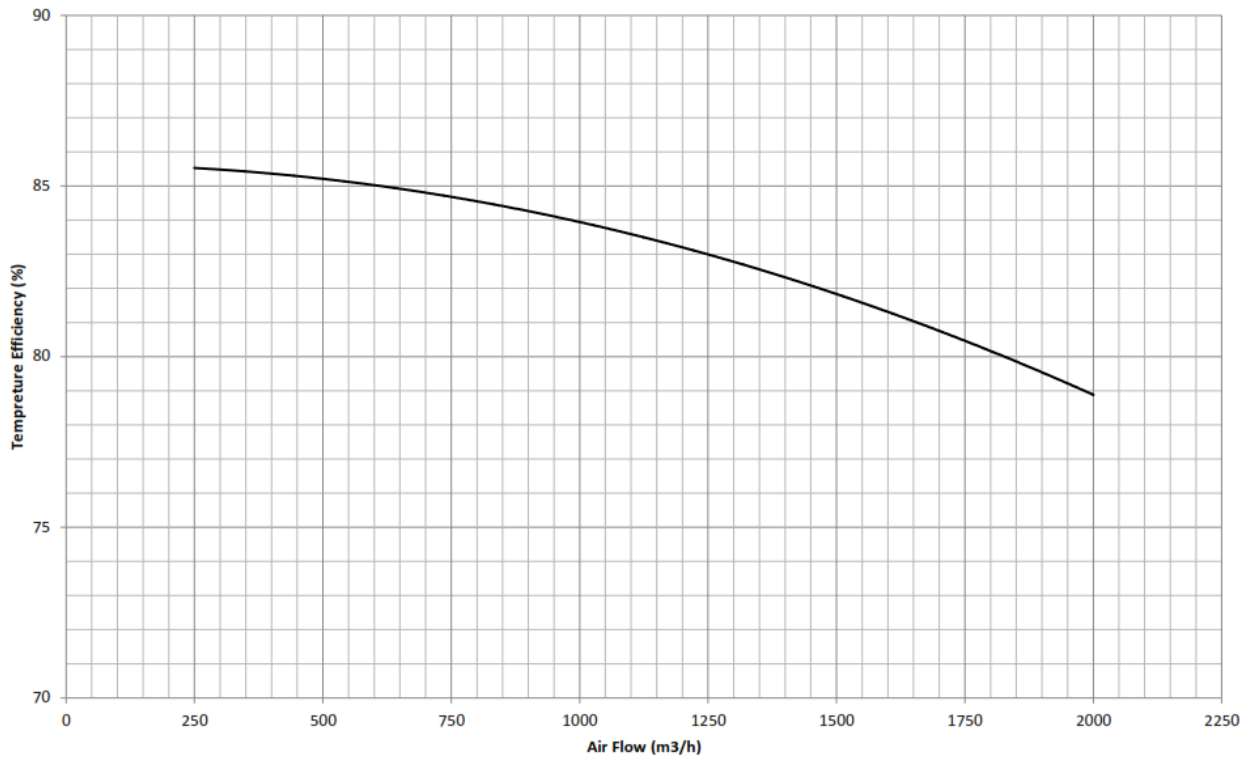
Accessories	Connection possible (Motherboard)	Included in the unit	Overall Total values
Co2 sensor	Yes	No	
Motion Sensor	Yes	No	
Heating Module	Yes	No	
Cooling Module	Yes	No	
Hood for supply air	Yes	No	
Hood for Exhaust air	Yes	No	
VAV	Yes	No	
Heating coil valve	Yes	No	
Cooling coil valve	Yes	No	
Electric 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\_12



# Efficiency

Jprime 25\_12



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

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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

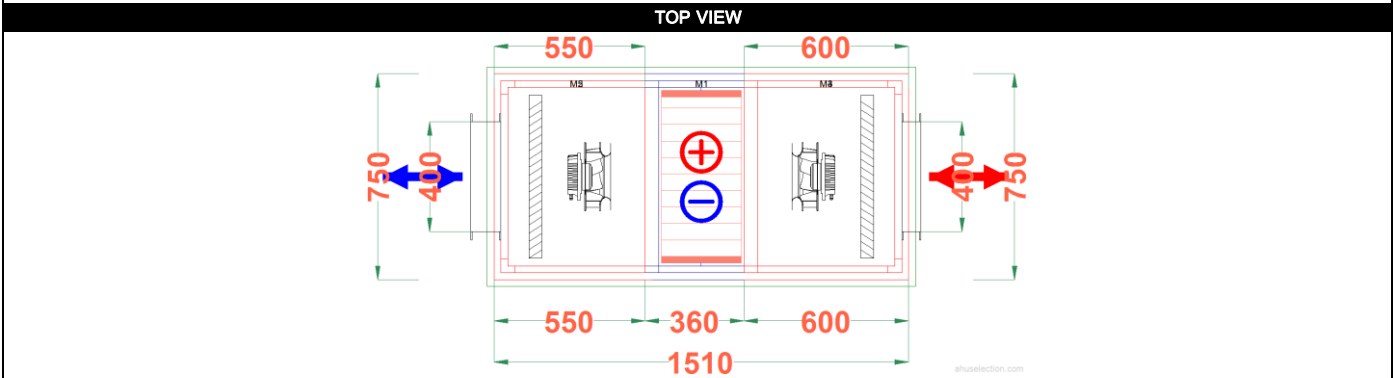
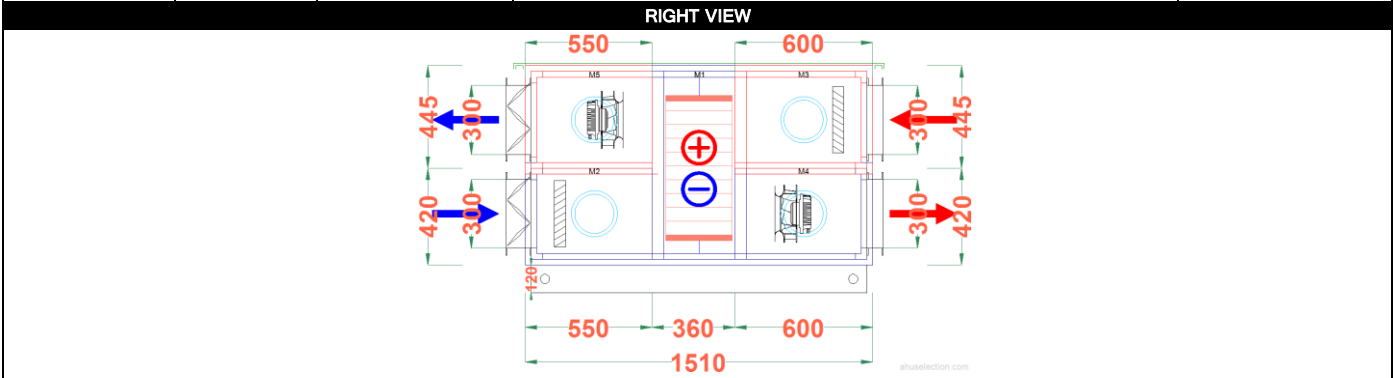
**Mail:** info@bskhavalandirma.com

**Web :** www.bskhavalandirma.com

DECLARATION OF CONFORMITY



	<b>TECHNICAL DATA</b>			
	Date	21.08.2020	Rev. Date	07.09.2020
	Project ID	4157	Tracking Number	4126kopya
Project Name		25secim		
AHUSEL V.	2.2.3.17 15.08.2020	AHU Name		J Prime_25_12 - (1 QTY)
BSK	1/6	AHU Model		JUPITER 8 X 8



<b>GENERAL SPECIFICATIONS</b>				
Supply Air Flow	Return Air Flow	Frame		Total Dimensions mm
1.200 m³/h	1.200 m³/h	25 steel profile		W 750 x H 1015 x L 1.510
Supply Air Velocity	Return Air Velocity	Insulation Material		Total Weight
1,49 m/s	1,39 m/s	50 mm Rockwool 70 kg/m³		330 kg
	Air Density	Outside Sheet Material		Base Height
	1,3504 kg/m³	0,9 mm Painted Galvanize		120 mm
Design Outdoor Temp.(W-S)		Inside Sheet Material		Roof (Outside)
(-12°C/90%)-(25,80°C/60%) (Odense)		0,9 mm Galvanize		Sheet
		Total Sensible Capacity		Total Absorbed Power
				0,65 kW
Specific Fan Power(SFP Total)	ErP Compliance	ErP Code	Real Unit CAL Class -400 Pa	Motor Power(Vent/Asp)
1,04 kW/(m³/s)	2018	NRVU - BVU	L1	0,39 kW / 0,39 kW
			Real Unit CAL Class +400 Pa	
			L2	

<b>SOUND POWER LEVEL (dB)</b>										
Frequency Hz		125	250	500	1000	2000	4000	8000	LwA-tot	
Airborne Sound Power Level		60,6	55,4	52,7	44,0	39,8	33,0	16,9	53,2	dBA
Air Outlet Induct Sound Power Level		73,3	77,2	77,8	75,2	69,4	66,2	59,1	78,7	dBA
Air Inlet Induct Sound Power Level		69,2	63,7	62,4	57,8	49,7	40,7	30,8	62,9	dBA
Return Air Outlet Induct Sound Power Level		73,5	77,6	78,0	75,4	69,5	66,5	59,3	78,9	dBA
Return Air Inlet Induct Sound Power Level		69,4	64,0	62,6	58,0	49,8	40,9	30,9	63,1	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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		TECHNICAL DATA				
		Date	21.08.2020	Rev. Date	07.09.2020	
		Project ID	4157	Tracking Number	4126kopya	
		Project Name	25secim			
AHUSEL V.	2.2.3.17 15.08.2020	AHU Name	J Prime_25_12 - (1 QTY)			
BSK	2/6	AHU Model	JUPITER 8 X 8			
FRESH AIR CONNECTION						
Connection Type		Control Type		Pressure Drop		
Gear Damper		Automatic (LM230ASR)		0 Pa		
Airflow		Dimensions		Air Velocity		
1.200 m³/h		W 400 mm x H 300 mm		2,78 m/s		
SUPPLY CONNECTION						
Connection Type		Control Type		Pressure Drop		
Flange				0 Pa		
Airflow		Dimensions		Air Velocity		
1.200 m³/h		W 400 mm x H 300 mm		2,78 m/s		
RETURN CONNECTION						
Connection Type		Control Type		Pressure Drop		
Flange				0 Pa		
Airflow		Dimensions		Air Velocity		
1.200 m³/h		W 400 mm x H 300 mm		5,33 m/s		
EXHAUST CONNECTION						
Connection Type		Control Type		Pressure Drop		
Gear Damper		Automatic (LM230ASR)		0 Pa		
Airflow		Dimensions		Air Velocity		
1.200 m³/h		W 400 mm x H 300 mm		2,78 m/s		
FILTER (M2)						
Airflow	Condensation Pan			Spare Filter	Section Weight	
1.200 m³/h					68 kg	
Filter Type	Initial / Final / Design P.Drop	Air Velocity	Size/Quantity/EC*	Size/Quantity/EC*	Size/Quantity/EC*	Size/Quantity/EC*
F7 Panel	30 Pa / 90 Pa / 60 Pa	1,96 m/s	592x287x48/1/A			
* Filter Energy Performance; preferably energy classification						
* Frame sealing applied.						
ACCESSORIES (M2)						
Lightening, Observation Glass, Manometer Pressure Gauge						



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BSK	3/6	AHU Model	JUPITER 8 X 8	



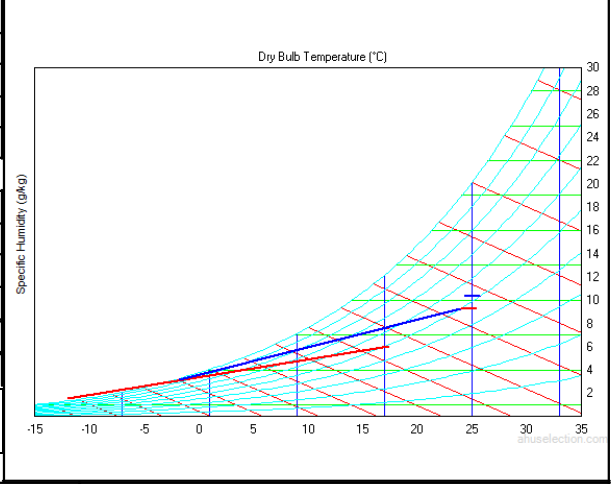
**ROTARY HEAT EXCHANGER (M1)**

Model	RRU_ECO-P-E14-630/630-580	Rpm	15	Quantity	1	Section Weight	74 kg
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	Fresh Air	Exhaust	Capacity	Winter	Summer				
Airflow	1.200 m³/h	1.200 m³/h		16,60 kW	-0,57 kW				
Air Vel.	2,24 m/s	2,56 m/s		Fresh	Exhau	Fresh	Exhau		
	Winter		Summer		P.D				
	Effic.	Balan.(*)	Effic.	Balan.(*)	1.2kg/m³	192 Pa	228 Pa	244 Pa	228 Pa
	81,58	81,58	78,20	78,20		236 Pa	223 Pa	236 Pa	223 Pa

Air Inlet / Outlet	Winter				Summer			
	Fresh Air		Exhaust		Fresh Air		Exhaust	
	Inlet	Outlet	Inlet	Outlet	Inlet	Outlet	Inlet	Outlet
	DT	-12,00 °	17,37 °C	24,00 °C	-1,78 °C	25,80 °C	24,39 °C	24,00 °C
WT	-12,00 °	11,52 °C	17,07 °C	-2,04 °C	18,55 °C	18,08 °C	17,07 °C	17,55 °C
RH	100,00	49,20 %	50,00 %	95,00 %	50,00 %	54,37 %	50,00 %	45,96 %

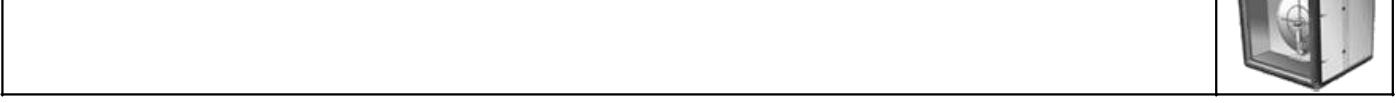
Condensation Pan	OACF (*)	EATR (%) (*)
	0,00	0,00



<input type="checkbox"/> Frequency Inverter	Size mm (630 x 630 x 290) - 580	Bypass Damper
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\* Efficiency at balanced flow  
\* OACF: Outdoor Air Correction Factor, EATR: Exhaust Air Transfer Ratio

**ACCESSORIES (M1)**

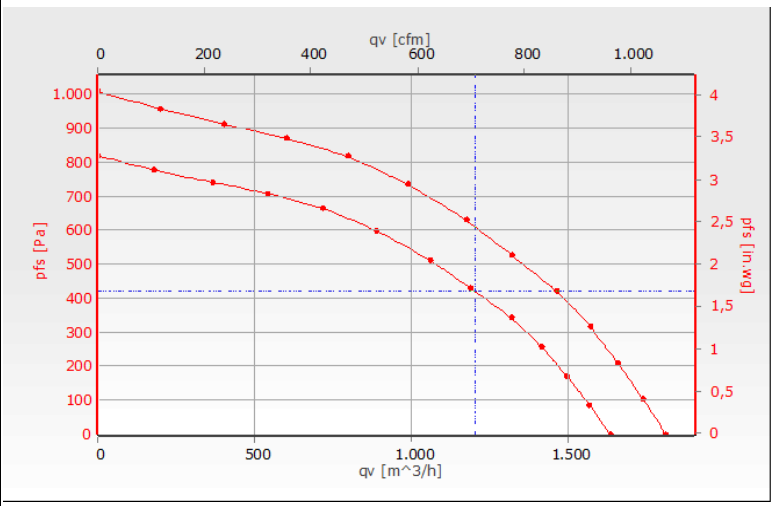


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AHUSEL V.	2.2.3.17 15.08.2020	AHU Name		J Prime_25_12 - (1 QTY)	
BSK	4/6	AHU Model		JUPITER 8 X 8	

**SUPPLY FAN (M4)**

Airflow	1.200 m³/h	Fan Model	EBM Papst-R3G250RO0671			Quantity	1	Section Weight	69 kg			
Internal Static Pressure	271 Pa	Motor P./Pha./Volt./Freq.	0,39 kW/1P/230V/50-60Hz			Isolator		Isolator Count				
External Static Pressure	150 Pa				Backup Fan		Backup Motor					
Total Static Pressure	421 Pa											
Total Pressure	475 Pa											
System Effect	19 Pa											
Total / Static Efficiency	54,40 / 48,21 %											
Shaft Power / Absorbed Power	0,29 / 0,32 kW											
Fan Speed	3062 rpm (Max.3400 rpm)	Air Density	1,2000 kg/m³									
Specific Fan Power (SFPe int)	0,54 kW/(m³/s)	<b>Sound Power Level (dB)</b>										
Electrical Current	1,38 A (Max.1,84 A)	Hz	63	125	250	500	1000	2000	4000	8000	LwA-tot	
		SPLm - Outlet Side	71,0	68,0	70,2	73,7	75,2	71,5	69,0	62,2	78,8	dBA
		SPLa - Inlet Side	66,0	63,0	65,2	68,7	70,2	66,5	64,0	57,2	73,8	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	1.200 m³/h	Condensation Pan				Spare Filter		Section Weight	61 kg
Filter Type	M6 Panel	Initial / Final / Design P.Drop	23 Pa / 69 Pa / 46 Pa	Air Velocity	1,96 m/s	Size/Quantity/EC*	592x287x48/1/A	Size/Quantity/EC*	



\* Filter Energy Performance; preferably energy classification

\* Frame sealing applied.

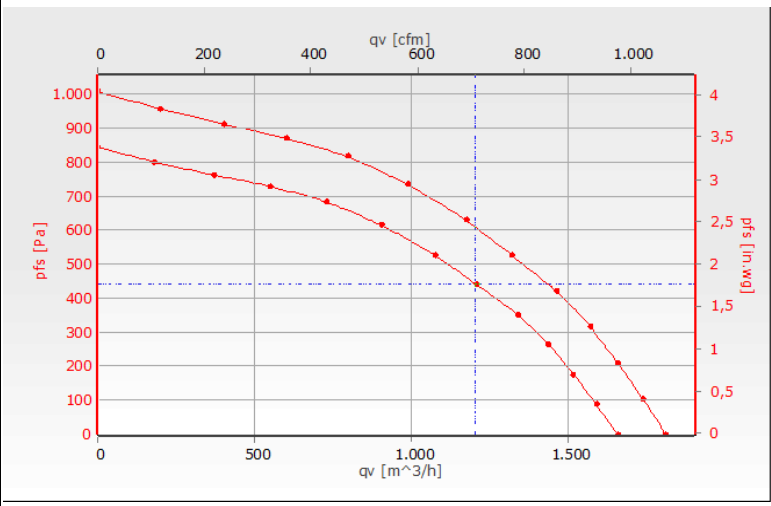
**ACCESSORIES (M3)**

Lightening, Observation Glass, Manometer Pressure Gauge



	<b>TECHNICAL DATA</b>				
	Date	21.08.2020	Rev. Date	07.09.2020	
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	Project Name	25secim			
AHUSEL V.	2.2.3.17 15.08.2020	AHU Name		J Prime_25_12 - (1 QTY)	
BSK	5/6	AHU Model		JUPITER 8 X 8	

**EXHAUST FAN (M5)**

Airflow	1.200 m³/h	Fan Model	EBM Papst-R3G250RO0671			Quantity	1	Section Weight	59 kg			
Internal Static Pressure	295 Pa	Motor P./Pha./Volt./Freq.	0,39 kW/1P/230V/50-60Hz			Isolator		Isolator Count				
External Static Pressure	150 Pa	Isolator		Backup Fan		Backup Motor						
Total Static Pressure	445 Pa											
Total Pressure	499 Pa											
System Effect	21 Pa											
Total / Static Efficiency	54,56 / 48,65 %											
Shaft Power / Absorbed Power	0,3 / 0,33 kW	Absorbed Pow.With VFD	0,33 kW									
Fan Speed	3107 rpm (Max.3400 rpm)											
Air Density	1,2000 kg/m³											
Specific Fan Power (SFPe int)	0,49 kW/(m³/s)	<b>Sound Power Level (dB)</b>										
Electrical Current	1,44 A (Max.1,84 A)	Hz	63	125	250	500	1000	2000	4000	8000	LwA-tot	
		SPLm - Outlet Side	71,4	68,2	70,5	73,9	75,4	71,6	69,3	62,4	79,0	dBA
		SPLa - Inlet Side	66,4	63,2	65,5	68,9	70,4	66,6	64,3	57,4	74,0	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 (M5)**

Lightening, Observation Glass	
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