

TriaAir[®]

Ventilationsanlæg

Tekniske data

J Prime 25_15, ROTOR



Varenr.: Q01500150
Med ROTOR

Standardfarve: RAL 9002 glans 30 (hvid)



TECHNICAL DATA			
Date	21.08.2020	Rev. Date	10.09.2020
Project ID	4157	Tracking Number	4126
Project Name	Item no. Q01500150		
AHU Name	J Prime_25_15		
AHU Model	JUPITER 8 X 8		



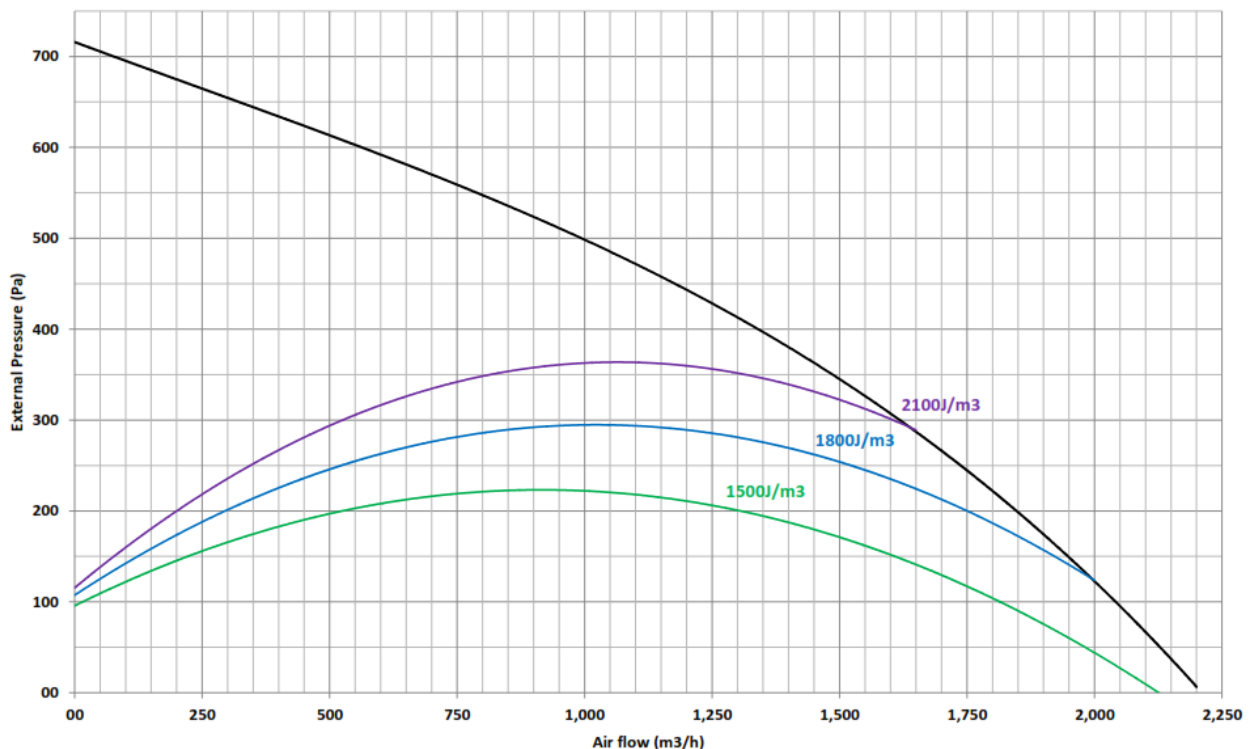
Ecodesign Requirements Table

		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	81,62 %		81,62 %	>= 73 %
G	Nominal Flow Rate	0,42 m³/s	0,42 m³/s		
H	Effective Electrical Power Input	0,36 kW	0,38 kW	0,74 kW	
I	SFPInt	522 W/(m³/s)	471 W/(m³/s)	993W/(m³/s)	<= 1296
J	Face Velocity	1,09 m/s	1,04 m/s		
K	Nominal External Drop Δps, Ext	150 Pa		150 Pa	
L	Internal Pressure Drop Δps, Int Supply Air	310 Pa		310 Pa	
	Internal Pressure Drop Δps, Int Exhaust Air	334 Pa		334 Pa	
M	Additional Pressure Drop Δps, Add	27 Pa	27 Pa		
N	Static Fan Efficiency EC327/2011	58,02 %	58,32 %		
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)	50,2 dBA		50,2 dBA	
S	Internet Address Of Instructions	www.Termicplus.dk			
	Total Dimension mm	W 800 x H 1.415 x L 1.710			
	Supply Airflow	1.500 m³/h		1.500 m³/h	
	Return Airflow	1.500 m³/h		1.500 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	2,08 m/s		2,08 m/s	
	SUPPLY CONNECTION Air Velocity	2,08 m/s		2,08 m/s	
	RETURN CONNECTION Air Velocity	2,6 m/s		2,6 m/s	
	EXHAUST CONNECTION Air Velocity	2,08 m/s		2,08 m/s	
	Total Heating Capacity				
	Fluid Kind for Heating				
	Fluid Temp. In / Out (Heating)				
	Total Cooling Capacity				
	Fluid Kind for Cooling				
	Filter Type supply Air	F7 Panel		F7 Panel	
	Filter Type Return Air	M6 Panel		M6 Panel	
	Total Weight	441kg		441 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	

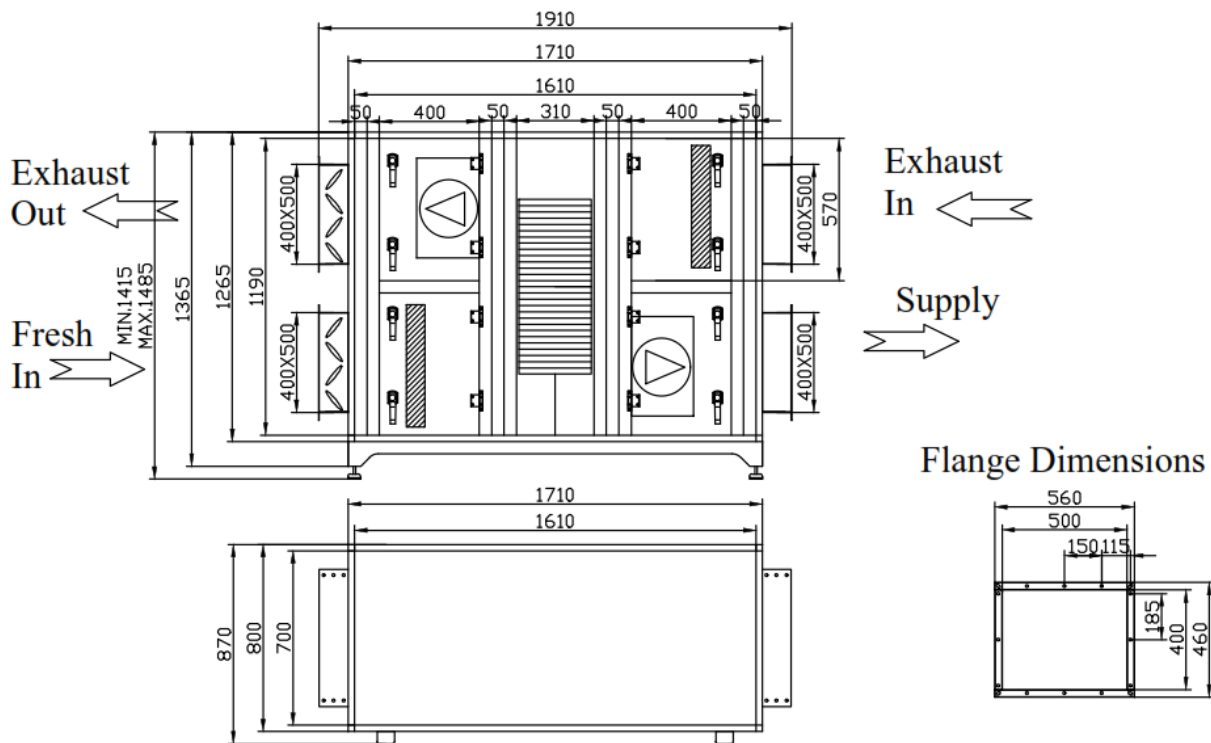
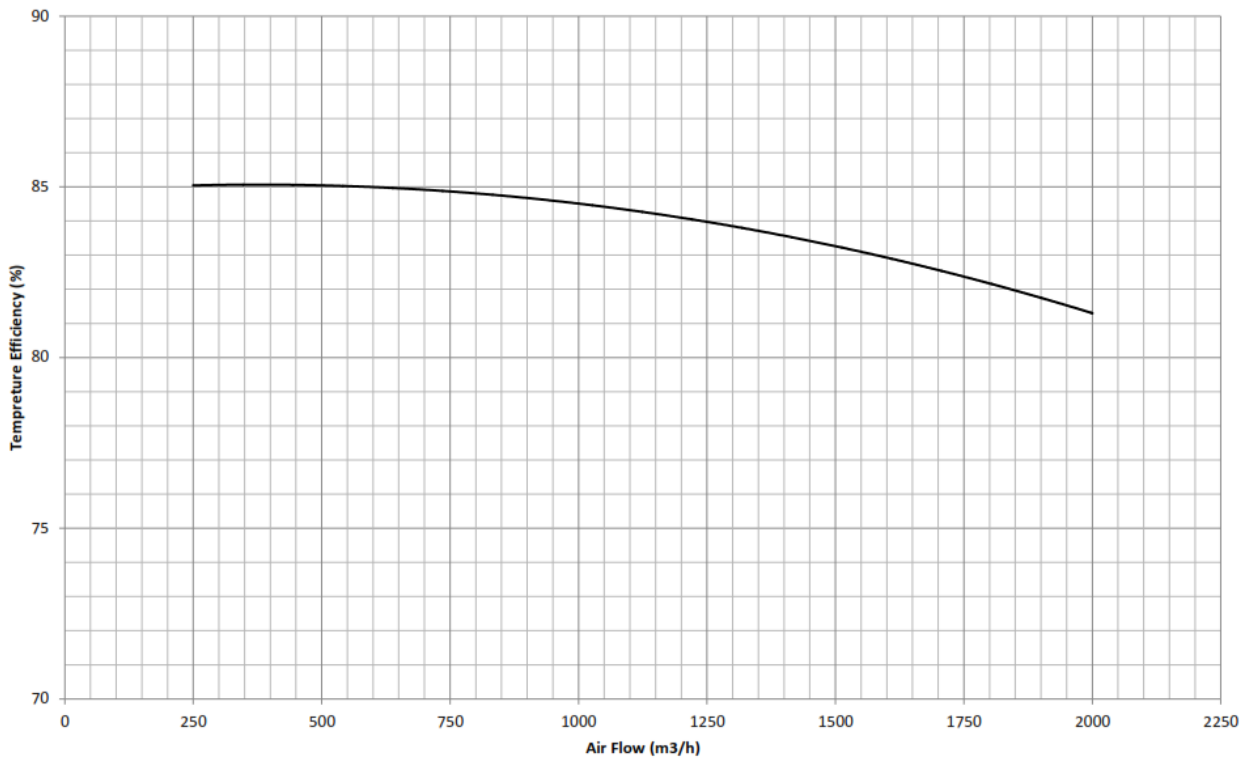
Air Flow

J Prime 25_15



Efficiency

Jprime 25_15



NOTE: ALL DIMENSIONS ARE MM



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

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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

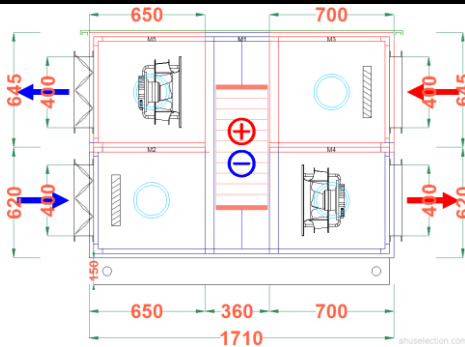
Mail: info@bskhavalandirma.com

Web : www.bskhavalandirma.com

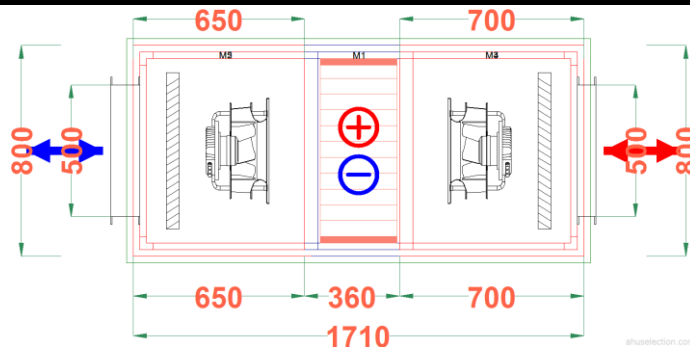
DECLARATION OF CONFORMITY

	TECHNICAL DATA			
	Date	21.08.2020	Rev. Date	
	Project ID	4157	Tracking Number	4126kopya
	Project Name	25secim		
AHUSEL V.	2.2.3.17 15.08.2020	AHU Name J Prime_25_15 - (1 QTY)		
BSK	1/6	AHU Model JUPITER 8 X 8		

RIGHT VIEW



TOP VIEW



GENERAL SPECIFICATIONS

Supply Air Flow 1.500 m ³ /h	Return Air Flow 1.500 m ³ /h	Frame 25 steel profile	Total Dimensions mm W 800 x H 1.415 x L 1.710	
Supply Air Velocity 1,09 m/s	Return Air Velocity 1,04 m/s	Insulation Material 50 mm Rockwool 70 kg/m ³	Total Weight 441 kg	
	Air Density 1,3504 kg/m ³	Outside Sheet Material 0,9 mm Painted Galvanize	Base Height 150 mm	Roof (Outside) Sheet
Design Outdoor Temp.(W-S) (-12°C/90%)-(25,80°C/60%) (Odense)		Inside Sheet Material 0,9 mm Galvanize	Total Absorbed Power 0,73 kW	
		Total Sensible Capacity	Motor Power(Vent/Asp) 0,54 kW / 0,54 kW	
Specific Fan Power(SFP Total) 0,99 kW/(m ³ /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	57,7	55,7	47,2	37,5	36,2	26,7	14,2	50,2	dBA
Air Outlet Induct Sound Power Level	69,9	76,9	72,3	69,0	65,8	60,4	56,3	74,3	dBA
Air Inlet Induct Sound Power Level	78,6	66,4	60,4	52,4	44,7	37,9	30,0	65,1	dBA
Return Air Outlet Induct Sound Power Level	70,8	77,9	73,0	69,5	66,3	60,8	56,8	75,0	dBA
Return Air Inlet Induct Sound Power Level	79,4	67,2	61,0	52,7	45,0	38,2	30,1	65,9	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	10.09.2020
	Project ID	4157	Tracking Number	4126kopya
	Project Name	25secim		
AHUSEL V.	2.2.3.17 15.08.2020	AHU Name	J Prime_25_15 - (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
1.500 m³/h	W 500 mm x H 400 mm	2,08 m/s

SUPPLY CONNECTION

Connection Type	Control Type	Pressure Drop
Flange		0 Pa
Airflow	Dimensions	Air Velocity
1.500 m³/h	W 500 mm x H 400 mm	2,08 m/s

RETURN CONNECTION

Connection Type	Control Type	Pressure Drop
Flange		0 Pa
Airflow	Dimensions	Air Velocity
1.500 m³/h	W 500 mm x H 400 mm	2,6 m/s

EXHAUST CONNECTION

Connection Type	Control Type	Pressure Drop
Gear Damper	Automatic (LM230ASR)	0 Pa
Airflow	Dimensions	Air Velocity
1.500 m³/h	W 500 mm x H 400 mm	2,08 m/s


FILTER (M2)

Airflow	Condensation Pan	Spare Filter	Section Weight
1.500 m³/h			90 kg
Filter Type	Initial / Final / Design P.Drop	Air Velocity	Size/Quantity/EC*
F7 Panel	43 Pa / 129 Pa / 86 Pa	2,45 m/s	592x287x48/1/A

* Filter Energy Performance; preferably energy classification



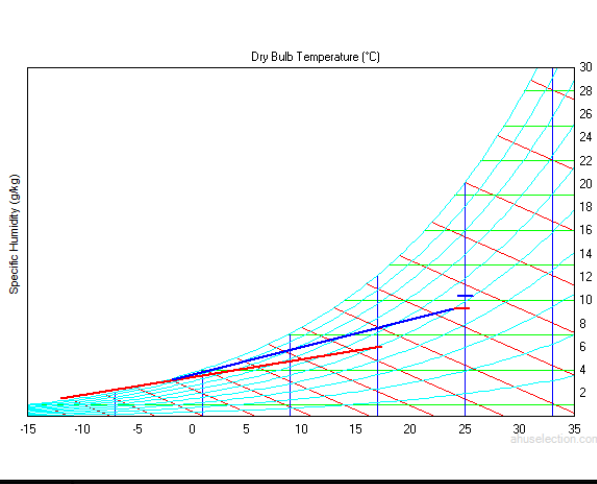

* Frame sealing applied.


ACCESSORIES (M2)

Lightening, Observation Glass, Manometer Pressure Gauge	
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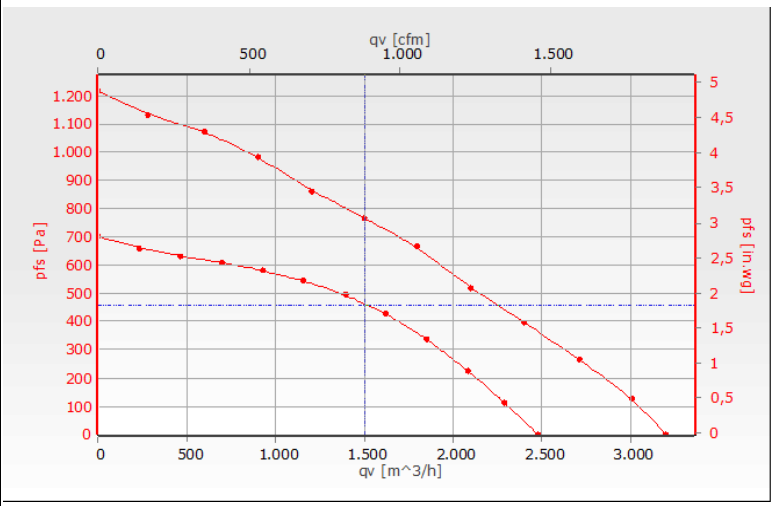


		TECHNICAL DATA							
		Date	21.08.2020	Rev. Date	10.09.2020				
AHUSEL V. 2.2.3.17 15.08.2020		Project ID	4157	Tracking Number	4126kopya				
BSK	3/6	Project Name	25secim						
		AHU Name	J Prime_25_15 - (1 QTY)						
		AHU Model	JUPITER 8 X 8						
ROTARY HEAT EXCHANGER (M1)									
Model RRU_ECO-P-E14-700/700-650				Rpm	Quantity	Section Weight			
				15	1	93 kg			
		Fresh Air	Exhaust	Capacity	Winter	Summer			
		1.500 m³/h	1.500 m³/h		20,77 kW	-0,72 kW			
		Airflow		P.D	Fresh	Exhau			
		2,23 m/s	2,55 m/s		190 Pa	227 Pa			
		Air Vel.		Fresh	Exhau				
		2,23 m/s	2,55 m/s	243 Pa	227 Pa				
		Winter		Summer					
		Effic.	Balan.(*)	Effic.	Balan.(*)	1.2kg/m³			
		81,62	81,62	78,26	78,26	235 Pa			
		235 Pa	222 Pa	235 Pa	222 Pa				
Air Inlet / Outlet	Winter				Summer				
	Fresh Air		Exhaust		Fresh Air		Exhaust		
	Inlet	Outlet	Inlet	Outlet	Inlet	Outlet	Inlet	Outlet	
	DT	-12,00 °	17,38 °C	24,00 °C	-1,80 °C	25,80 °C	24,39 °C	24,00 °C	25,41 °C
	WT	-12,00 °	11,53 °C	17,07 °C	-2,05 °C	18,55 °C	18,08 °C	17,07 °C	17,55 °C
	RH	100,00	49,19 %	50,00 %	95,00 %	50,00 %	54,38 %	50,00 %	45,96 %
Condensation Pan		OACF (*)		EATR (%) (*)					
		0,00		0,00					
<input type="checkbox"/> Frequency Inverter				Size mm		Bypass Damper			
				(700 x 700 x 290) - 650					
* Efficiency at balanced flow									
* OACF: Outdoor Air Correction Factor, EATR: Exhaust Air Transfer Ratio									
ACCESSORIES (M1)									

	TECHNICAL DATA			
	Date	21.08.2020	Rev. Date	10.09.2020
	Project ID	4157	Tracking Number	4126kopya
	Project Name	25secim		
AHUSEL V.	2.2.3.17 15.08.2020	AHU Name	J Prime_25_15 - (1 QTY)	
BSK	4/6	AHU Model	JUPITER 8 X 8	



SUPPLY FAN (M4)

Airflow	1.500 m ³ /h	Fan Model	EBM Papst-K3G250PR04H2			Quantity	1	Section Weight	95 kg											
Internal Static Pressure	310 Pa	Motor P./Pha./Volt./Freq.	0,54 kW/1P/230V/50-60Hz	Isolator		Isolator Count		Backup Fan												
External Static Pressure	150 Pa																			
Total Static Pressure	460 Pa																			
Total Pressure	487 Pa									System Effect	34 Pa									
Total / Static Efficiency	61,43 / 58,02 %																			
Shaft Power / Absorbed Power	0,33 / 0,36 kW									Absorbed Pow.With VFD	0,36 kW									
Fan Speed	2568 rpm (Max.3080 rpm)																			
	Air Density									1,2000 kg/m ³										
Specific Fan Power (SFPe int)	0,52 kW/(m ³ /s)									Sound Power Level (dB)										
Electrical Current	1,56 A (Max.2,55 A)									Hz	63	125	250	500	1000	2000	4000	8000	LwA-tot	
										SPLm - Outlet Side	64,8	64,8	69,9	68,5	69,0	67,8	62,9	59,3	73,8	dBA
		SPLa - Inlet Side	73,2	70,1	67,5	66,9	64,7	60,6	60,1	56,0	69,8	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	
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FILTER (M3)



Airflow	1.500 m ³ /h	Condensation Pan		Spare Filter		Section Weight	80 kg
Filter Type	M6 Panel	Initial / Final / Design P.Drop	34 Pa / 102 Pa / 68 Pa	Air Velocity	2,45 m/s	Size/Quantity/EC*	592x287x48/1/A

* Filter Energy Performance; preferably energy classification

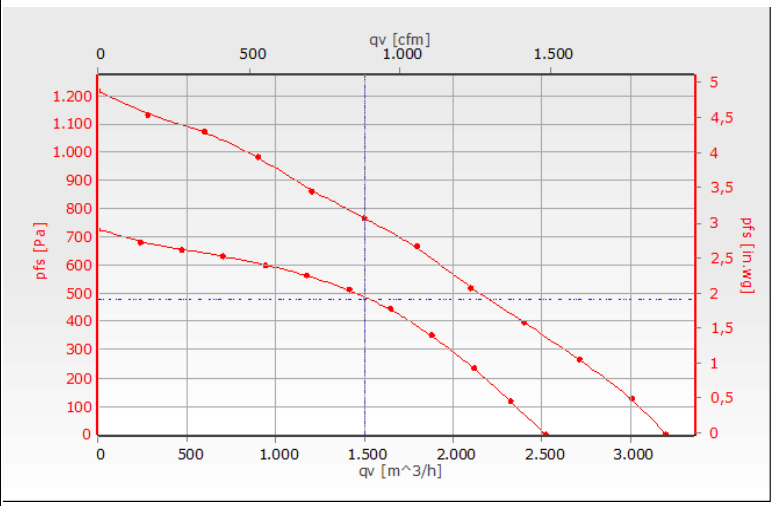
* Frame sealing applied.

ACCESSORIES (M3)

Lightening, Observation Glass, Manometer Pressure Gauge	
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	TECHNICAL DATA				
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	Project Name	25secim			
AHUSEL V.	2.2.3.17 15.08.2020	AHU Name		J Prime_25_15 - (1 QTY)	
BSK	5/6	AHU Model		JUPITER 8 X 8	

EXHAUST FAN (M5)

Airflow	1.500 m ³ /h	Fan Model	EBM Papst-K3G250PR04H2		Quantity	1	Section Weight	83 kg				
Internal Static Pressure	334 Pa	Motor P./Pha./Volt./Freq.	0,54 kW/1P/230V/50-60Hz	Isolator	Isolator Count	Backup Fan	Backup Motor					
External Static Pressure	150 Pa											
Total Static Pressure	484 Pa											
Total Pressure	511 Pa								System Effect	39 Pa		
Total / Static Efficiency	61,57 / 58,32 %											
Shaft Power / Absorbed Power	0,35 / 0,38 kW								Absorbed Pow.With VFD	0,38 kW		
Fan Speed	2612 rpm (Max.3080 rpm)											
	Air Density	1,2000 kg/m ³										
Specific Fan Power (SFPe int)	0,47 kW/(m ³ /s)	Sound Power Level (dB)										
		Hz	63	125	250	500	1000	2000	4000	8000	LwA-tot	
Electrical Current	1,63 A (Max.2,55 A)	SPLm - Outlet Side	66,0	65,7	70,8	69,2	69,5	68,3	63,3	59,8	74,3	dBa
		SPLa - Inlet Side	73,4	70,7	68,2	67,4	65,0	60,9	60,5	56,2	70,1	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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