

# TriaAir<sup>®</sup>

Ventilationsanlæg

## Tekniske data

J Prime 25\_170, 2RH, 3RC og MODSTRØM



Varenr.: QI20000300  
Med 2RH, 3RC og MODSTRØM  
(2RH varmefflade maks. 128,80 kW)  
(3RC kølefflade maks. 74,92 kW)

Standardfarve: RAL 9002 glans 30 (hvid)





TECHNICAL DATA			
Date	10.07.2020	Rev. Date	21.10.2020
Project ID	4261	Tracking Number	
Project Name	Item no. QI20000300		
AHU Name	J Prime_25_170_CF_2RH_3RC		
AHU Model	JUPITER 16 X 20		

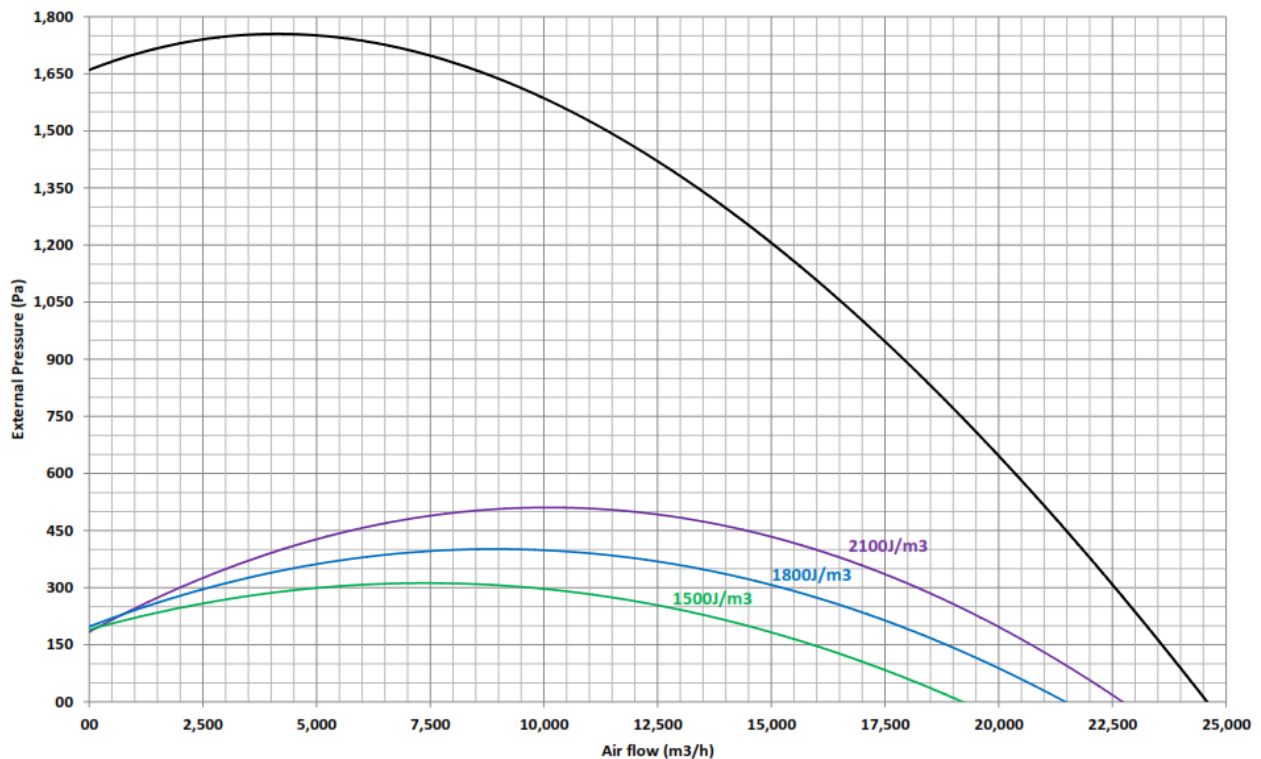


Ecodesign Requirements Table

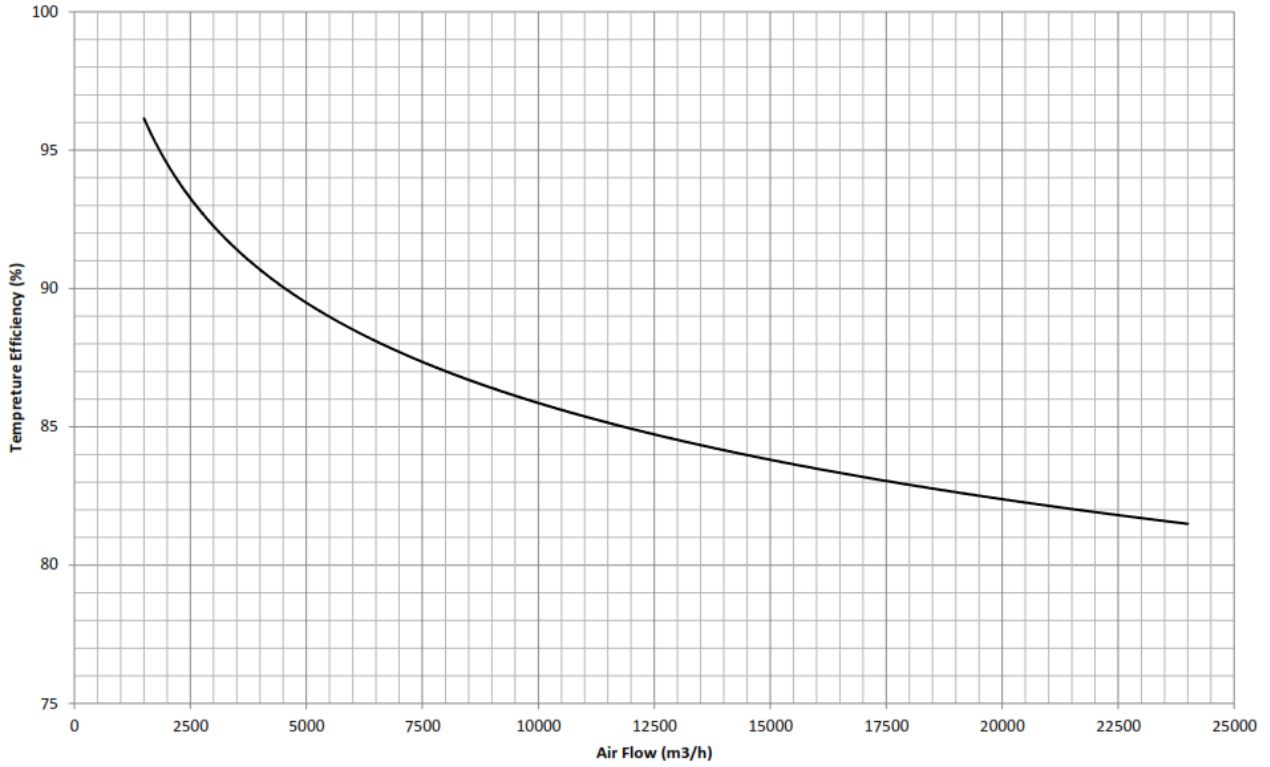
		Value		2018
	Product	JUPITER 25		
	Erp	2018		
A	Manufacturer	BSK Havalandırma Ekipmanları A.Ş.		
B	Model Identifier	JUPITER 16 X 20		
C	ErP Code	NRVU - BVU		
D	Type Of Drive	Variable Speed Drive (VSD)In	Variable Speed Drive (VSD)Out	Required
E	Type Of HRS	Counterflow		
	HRS Damper	Exists		Exists Required
F	Thermal Efficiency of HRS	83,69 %		83,69 % >= 73 %
G	Nominal Flow Rate	4,72 m³/s	4,72 m³/s	
H	Effective Electrical Power Input	3,02 kW x 2	2,84 kW x 2	11,72 kW
I	SFPInt	502 W/(m³/s)	483 W/(m³/s)	985W/(m³/s) <= 1121
J	Face Velocity	1,95 m/s	1,91 m/s	
K	Nominal External Drop Δps, Ext	300 Pa		300 Pa
L	Internal Pressure Drop Δps, Int Supply Air	420 Pa		420 Pa
	Internal Pressure Drop Δps, Int Exhaust Air	362 Pa		362 Pa
M	Additional Pressure Drop Δps, Add	79 Pa	79 Pa	
N	Static Fan Efficiency EC327/2011	61,15 %	59,90 %	
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)	66,6 dBA		66,6 dBA
S	Internet Address Of Instructions	<a href="http://www.Termicplus.dk">www.Termicplus.dk</a>		
	Total Dimension mm	W 2.540 x H 2.305 x L 5.210		
	Supply Airflow	17.000 m³/h		17.000 m³/h
	Return Airflow	17.000 m³/h		17.000 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	2,93 m/s		2,93 m/s
	SUPPLY CONNECTION Air Velocity	2,93 m/s		2,93 m/s
	RETURN CONNECTION Air Velocity	2,93 m/s		2,93 m/s
	EXHAUST CONNECTION Air Velocity	2,93 m/s		2,93 m/s
	Total Heating Capacity	90,34 kW		90,34 kW
	Fluid Kind for Heating	WATER		WATER
	Fluid Temp. In / Out (Heating)	70/50 °C		70/50 °C
	Total Cooling Capacity	58,80 kW		58,80 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	3.293 kg		3.293 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	

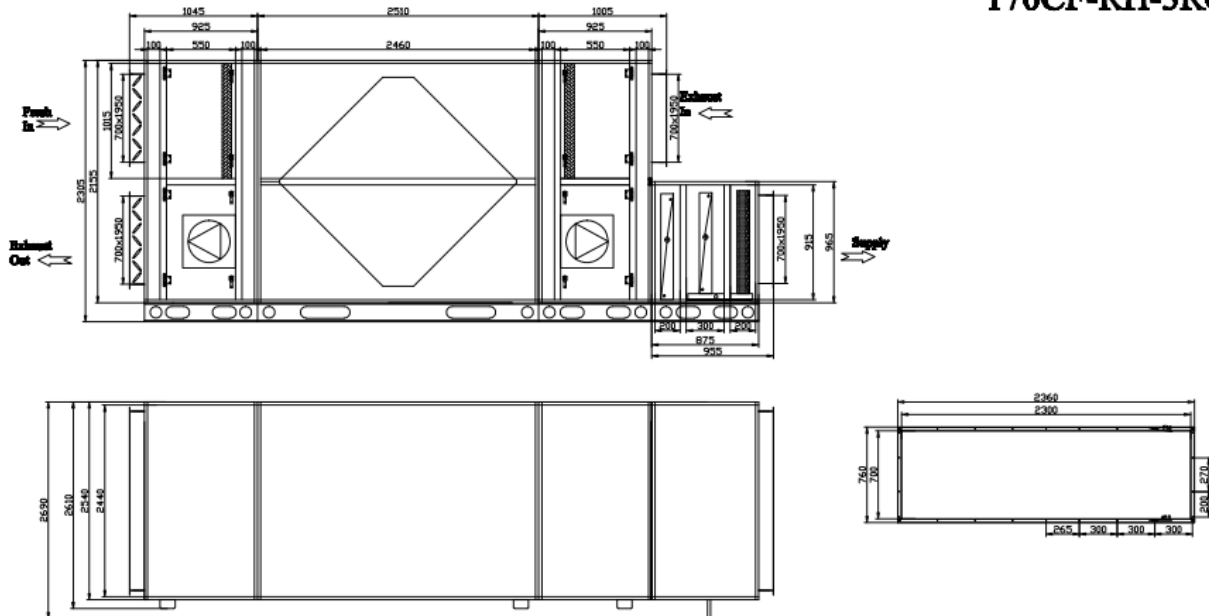
## Air Flow



# Efficiency



## 170CF-RH-3RC







# 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

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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

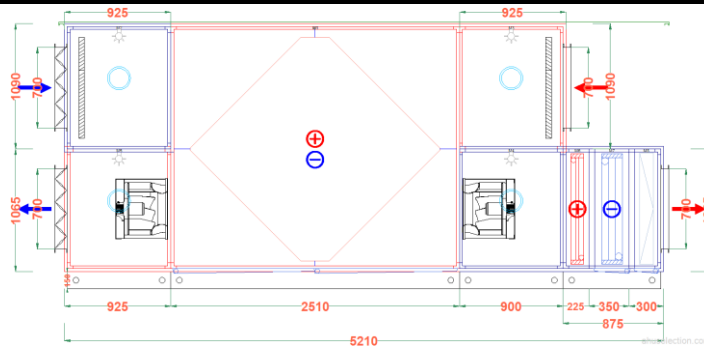
**Web :** www.bskhavalandirma.com

DECLARATION OF CONFORMITY

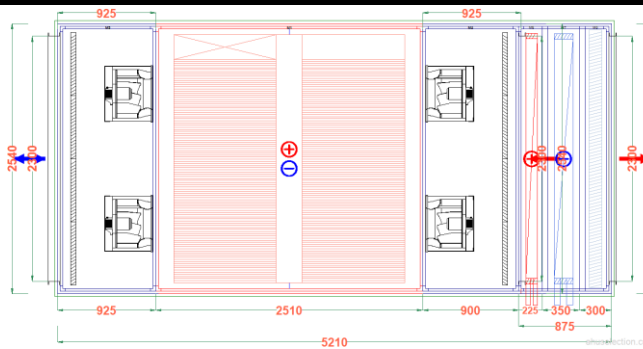


		<b>TECHNICAL DATA</b>			
		Date	10.07.2020		Rev. Date
AHUSEL V. 2.2.3.17 15.08.2020 BSK 1/7		Project ID	4261	Tracking Number	
		Project Name	J Prime_CounterFlow_Onaylı_Düzelme		
		AHU Name	J Prime_25_170_CF_2RH_3RC - (1 QTY)		
		AHU Model	JUPITER 16 X 20		

RIGHT VIEW



TOP VIEW



GENERAL SPECIFICATIONS

Air Flow	Return Air Flow	Frame	Total Dimensions mm	
17.000 m <sup>3</sup> /h	17.000 m <sup>3</sup> /h	25 steel profile	W 2.540 x H 2.305 x L 5.210	
Air Velocity	Return Air Velocity	Insulation Material	Total Weight	
1,95 m/s	1,91 m/s	50 mm Rockwool 70 kg/m <sup>3</sup>	3.293 kg	
Coil Air Velocity	Air Density	Outside Sheet Material	Base Height	Roof (Outside)
2,36 m/s	1,3478 kg/m <sup>3</sup>	0,9 mm Painted Galvanize	150 mm	Sheet
Design Outdoor Temp.(W-S)		Inside Sheet Material	Total Absorbed Power	
(-12°C/90%)-(25,80°C/60%) (Odense)		0,9 mm Galvanize	11,72 kW	
Total Heating Capacity	Total Cooling Capacity	Total Sensible Capacity	Motor Power	
90,34 kW	58,80 kW	35,89 kW	4,5 kW x 2 / 4,5 kW x 2	
Specific Fan Power(SFP Total)	ErP Compliance	ErP Code	Real Unit CAL Class -400 Pa	Real Unit CAL Class +400 Pa
0,99 kW/(m <sup>3</sup> /s)	2018	NRVU - BVU	L1	L2

SOUND POWER LEVEL (dB)

Frequency Hz	125	250	500	1000	2000	4000	8000	LwA-tot	
Airborne Sound Power Level	78,1	68,9	63,2	54,0	52,9	47,0	34,4	66,6	dB(A)
Air Outlet Induct Sound Power Level	84,3	84,7	82,3	79,5	78,8	76,2	72,9	85,3	dB(A)
Air Inlet Induct Sound Power Level	97,0	86,4	75,9	65,8	59,2	53,0	43,8	83,5	dB(A)
Return Air Outlet Induct Sound Power Level	89,4	89,9	87,6	84,5	81,4	79,2	75,2	89,6	dB(A)
Return Air Inlet Induct Sound Power Level	96,6	86,3	76,1	65,7	59,3	53,2	43,4	83,1	dB(A)

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.

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	<b>TECHNICAL DATA</b>			
	Date	10.07.2020	Rev. Date	21.10.2020
	Project ID	4261	Tracking Number	
	Project Name	J Prime CounterFlow Onaylı Düzeltme		
AHUSEL V.	2.2.3.17 15.08.2020	AHU Name	J Prime_25_170_CF_2RH_3RC - (1 QTY)	
BSK	2/7	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
17.000 m³/h		W 2.300 mm x H 700 mm	2,93 m/s

**SUPPLY CONNECTION**

Connection Type		Control Type	Pressure Drop
Flange			0 Pa
Air Flow		Dimensions	Air Velocity
17.000 m³/h		W 2.300 mm x H 700 mm	2,93 m/s

**RETURN CONNECTION**

Connection Type		Control Type	Pressure Drop
Flange			0 Pa
Air Flow		Dimensions	Air Velocity
17.000 m³/h		W 2.300 mm x H 700 mm	2,93 m/s

**EXHAUST CONNECTION**

Connection Type		Control Type	Pressure Drop
Gear Damper		Automatic (NM230ASR)	0 Pa
Air Flow		Dimensions	Air Velocity
17.000 m³/h		W 2.300 mm x H 700 mm	2,93 m/s

**FILTER (M3)**

Air Flow	Condensation Pan		Hygienic	Spare Filter	Section Weight
17.000 m³/h			<input type="checkbox"/>	<input type="checkbox"/>	296 kg
Filter Type	Initial / Final / Design P.Drop	Air Velocity	Size/Quantity/EC*	Size/Quantity/EC*	Size/Quantity/EC*
M6 Panel	84 Pa / 184 Pa / 84 Pa	2,27 m/s	592x592x48/4/E	592x287x48/4/E	

\* Filter Energy Performance; preferably energy classification

\* Frame sealing applied.

**ACCESSORIES (M3)**

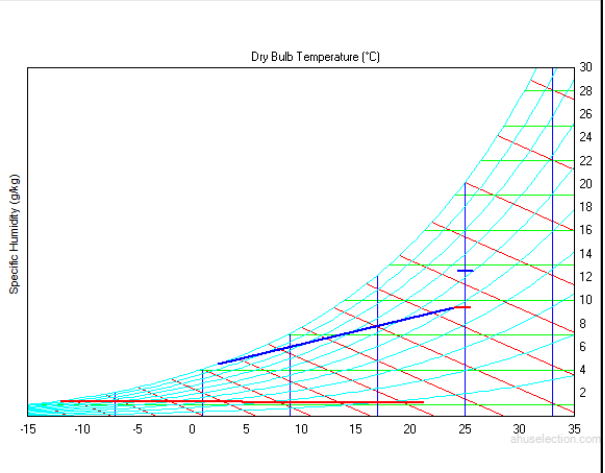
Lightening, Observation Glass, Manometer Pressure Gauge



**COUNTERFLOW HEAT EXCHANGER (M1)**

Model	Maximum Internal Leakage Rate	Quantity	Section Weight
Klingenburg-GS Kombi 110 / 2096 - BY234	1 %	1	1.517 kg

	Fresh Air	Exhaust	Capacity	Winter	Summer
Air Flow	17.000 m³/h	17.000 m³/h		172,10 kW	-8,58 kW
Air Vel.	1,55 m/s	1,77 m/s			
	P.D			Fresh	Exhaus
	205 Pa			268 Pa	248 Pa
	240 Pa			240 Pa	240 Pa
	Effic. Balan.(*)		1.2kg/m³		
	82,66				
Wet	92,35	92,35	82,66	82,66	
Dry	83,69	83,69	82,66	82,66	




Air Inlet / Outlet	Winter				Summer			
	Fresh Air		Exhaust		Fresh Air		Exhaust	
DT	Inlet	Outlet	Inlet	Outlet	Inlet	Outlet	Inlet	Outlet
WT	-12,00 °	21,25 °C	24,00 °C	2,40 °C	25,80 °C	24,31 °C	24,00 °C	25,49 °C
RH	-12,29 °	7,91 °C	17,06 °C	2,40 °C	20,16 °C	19,70 °C	17,06 °C	17,57 °C
	90,00 %	7,76 %	50,00 %	100,00	60,00 %	65,56 %	50,00 %	45,74 %
Condensation Pan	Size mm				Bypass Damper			
Stainless Steel (Connection:Right) (Pressure:Negative)	2.170-1.344-246-21-2.096-1.9				W 234 mm x H 1.344 mm			

\* Efficiency at balanced flow

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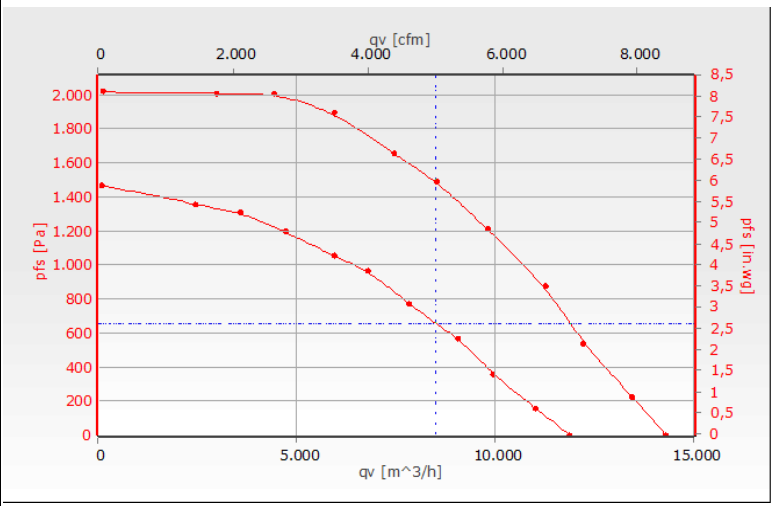




	<b>TECHNICAL DATA</b>			
	Date	10.07.2020	Rev. Date	21.10.2020
	Project ID	4261	Tracking Number	
	Project Name	J Prime_CounterFlow_Onaylı_Düzeltilme		
AHUSEL V.	2.2.3.17 15.08.2020	AHU Name	J Prime_25_170_CF_2RH_3RC - (1 QTY)	
BSK	3/7	AHU Model	JUPITER 16 X 20	

**ACCESSORIES (M1)**

**EXHAUST FAN (M5)**

Air Flow	8.500 m³/h x 2	Fan Model	EBM Papst-R3G450PA3103		Quantity	2	Section Weight	368 kg																																												
Internal Static Pressure	362 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	662 Pa																																																			
Total Pressure	741 Pa								System Effect	10 Pa																																										
Total / Static Efficiency	67,02 / 59,90 %																																																			
Shaft Power / Absorbed Power	2,61 / 2,84 kW x 2								Absorbed Pow.With VFD	2,84 kW x 2																																										
Fan Speed	1980 rpm (Max.2480 rpm)	Air Density	1,3478 kg/m³																																																	
Specific Fan Power (SFPe int)	0,48 kW/(m³/s)	<table border="1"> <thead> <tr> <th colspan="11">Sound Power Level (dB)</th> </tr> <tr> <th>Hz</th> <th>63</th> <th>125</th> <th>250</th> <th>500</th> <th>1000</th> <th>2000</th> <th>4000</th> <th>8000</th> <th>LwA-tot</th> <th></th> </tr> </thead> <tbody> <tr> <td>SPLm - Outlet Side</td> <td>74,0</td> <td>79,9</td> <td>78,7</td> <td>80,0</td> <td>81,5</td> <td>80,9</td> <td>79,5</td> <td>76,1</td> <td>87,0</td> <td>dBA</td> </tr> <tr> <td>SPLa - Inlet Side</td> <td>71,6</td> <td>78,6</td> <td>79,4</td> <td>76,4</td> <td>73,3</td> <td>73,7</td> <td>77,1</td> <td>73,5</td> <td>82,3</td> <td>dBA</td> </tr> </tbody> </table>							Sound Power Level (dB)											Hz	63	125	250	500	1000	2000	4000	8000	LwA-tot		SPLm - Outlet Side	74,0	79,9	78,7	80,0	81,5	80,9	79,5	76,1	87,0	dBA	SPLa - Inlet Side	71,6	78,6	79,4	76,4	73,3	73,7	77,1	73,5	82,3	dBA
Sound Power Level (dB)																																																				
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SPLm - Outlet Side	74,0	79,9	78,7	80,0	81,5	80,9	79,5	76,1	87,0	dBA																																										
SPLa - Inlet Side	71,6	78,6	79,4	76,4	73,3	73,7	77,1	73,5	82,3	dBA																																										
Electrical Current	4,09 A x 2 (Max.7,06 A x 2)																																																			

\* 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



**FILTER (M2)**

Air Flow	17.000 m³/h	Condensation Pan	Hygienic	Spare Filter	Section Weight
Filter Type	F7 Panel	Initial / Final / Design P.Drop	Air Velocity	Size/Quantity/EC*	Size/Quantity/EC*
		101 Pa / 201 Pa / 101 Pa	2,27 m/s	592x592x48/4/E	592x287x48/4/E


\* Filter Energy Performance; preferably energy classification

\* Frame sealing applied.

**ACCESSORIES (M2)**

Lightening, Observation Glass, Manometer Pressure Gauge



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AHUSEL V.	2.2.3.17 15.08.2020	AHU Name	J Prime_25_170_CF_2RH_3RC - (1 QTY)	
BSK	4/7	AHU Model	JUPITER 16 X 20	



**SUPPLY FAN (M4)**

Air Flow	8.500 m <sup>3</sup> /h x 2	Fan Model	EBM Papst-R3G450PA3103		Quantity	2	Section Weight	289 kg									
Internal Static Pressure	420 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	720 Pa																
Total Pressure	799 Pa	System Effect	10 Pa														
Total / Static Efficiency	67,82 / 61,15 %																
Shaft Power / Absorbed Power	2,78 / 3,02 kW x 2		Absorbed Pow.With VFD	3,02 kW x 2													
Fan Speed	2016 rpm (Max.2480 rpm)																
	Air Density	1,3478 kg/m <sup>3</sup>															
Specific Fan Power (SFPe int)	0,50 kW/(m <sup>3</sup> /s)		<b>Sound Power Level (dB)</b>														
Electrical Current	4,36 A x 2 (Max.7,06 A x 2)		Hz	63					125	250	500	1000	2000	4000	8000	LwA-tot	
			SPLm - Outlet Side	74,4					80,2	79,0	80,0	81,5	81,2	79,4	76,7	87,2	dBA
			SPLa - Inlet Side	72,0					78,9	79,5	76,2	73,4	73,6	76,9	74,1	82,3	dBA



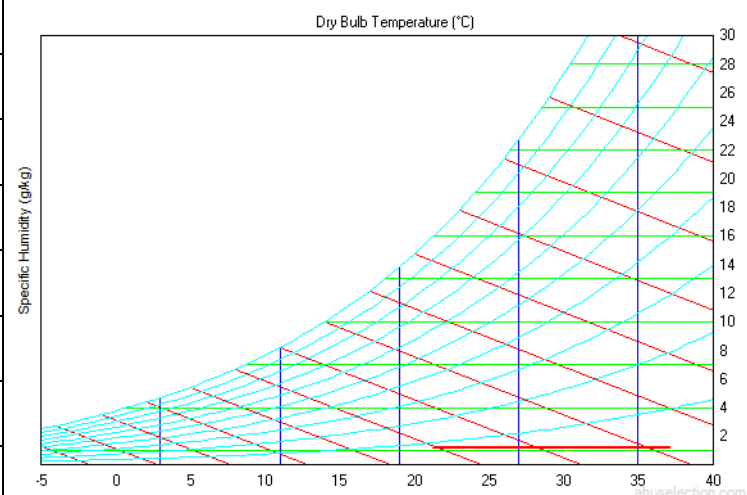

\* The fan system effect is taken into account in the fan performance  
 \* The fan calculated for wet conditions  
 \* Sfp is calculated based on clean filter & dry coil conditions

**ACCESSORIES (M4)**


Lightening, Observation Glass	
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		TECHNICAL DATA						
		Date	10.07.2020	Rev. Date	21.10.2020			
AHUSEL V.		2.2.3.17 15.08.2020	Project ID	4261	Tracking Number			
BSK		5/7	Project Name	J Prime_CounterFlow_Onaylı_Düzelme				
			AHU Name	J Prime_25_170_CF_2RH_3RC - (1 QTY)				
			AHU Model	JUPITER 16 X 20				
COIL (Heating) (M6)								
Air Flow	Capacity / Sensible	Required Cap.	Face Vel.	Quantity	Tube Mat.	Fin Mat.	Section Weight	
17.000 m <sup>3</sup> /h	90,34/90,34 kW		2,36 m/s	1	Copper	Aluminium	127 kg	
Coil Code			Tube Thickness	Fin Thickness	Mixing Ratio			
32 x 28 12 28T 2R 2250A 3P 14NC			0,35 mm	0,1 mm	%			
Droplet Elimin. / Press. Drop		Condensation Pan / Hmin U-Trap		Size (W x H x L) mm	Conn. Material	Frame Material		
				2.250 x 889 x 110	Steel	Galvanized Steel		
Fluid Kind	Fluid In / Out							
WATER	70/50 °C							
Air Inlet Drybulb Temperature	Air Outlet Drybulb Temperature							
21,25 °C	37,14 °C							
Air Inlet Wetbulb Temperature	Air Outlet Wetbulb Temperature							
7,91 °C	14,62 °C							
Air Inlet Relative Humidity	Air Outlet Relative Humidity							
7,76 %	3,10 %							
Air Inlet - Outlet Enthalpy	Fluid Flow / Vol. Flow							
24,44 - 40,46 kJ/kg	3.885 kg/h / 3.973 dm <sup>3</sup> /h							
Air Press.Drop	Fluid Press.Drop / Fluid Velocity							
32 Pa	10,73 kPa / 0,72 m/s							
Coil Surface Area	Tube Inner Volume							
68,59 m <sup>2</sup>	16,17 L							
Manifold / Conn.QTY	Conn.Direction							
1 / 1	Right							
Connection Sizes			Air Condensation	Hygienic	Blygold			
42,2 / 42,2 mm (1-1/4" DN32 / 1-1/4" DN32)			0,00 l/h					
Bypass Damper								
ACCESSORIES (M6)								



	<b>TECHNICAL DATA</b>			
	Date	10.07.2020	Rev. Date	21.10.2020
	Project ID	4261	Tracking Number	
	Project Name	J Prime_CounterFlow_Onaylı_Düzelme		
AHUSEL V.	2.2.3.17 15.08.2020	AHU Name	J Prime_25_170_CF_2RH_3RC - (1 QTY)	
BSK	6/7	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
17.000 m³/h	58,80/35,89 kW		2,37 m/s	1	Copper	Aluminium	169 kg
Coil Code	32 x 28 12 28T 3R 2245A 3.2P 21NC		Tube Thickness	0,35 mm		Fin Thickness	Mixing Ratio
						0,1 mm	%
Droplet Elimin. / Press. Drop	Condensation Pan / Hmin U-Trap Stainless Steel (Connection:Right) (Pressure:Positive) / 73,47 mm		Size (W x H x L) mm	2.245 x 889 x 180		Conn. Material	Frame Material
						Steel	Galvanized Steel
Fluid Kind	Fluid In / Out						
WATER	7/12 °C						
Air Inlet Drybulb Temperature	Air Outlet Drybulb Temperature						
24,31 °C	17,94 °C						
Air Inlet Wetbulb Temperature	Air Outlet Wetbulb Temperature						
19,70 °C	16,25 °C						
Air Inlet Relative Humidity	Air Outlet Relative Humidity						
65,56 %	84,42 %						
Air Inlet - Outlet Enthalpy	Fluid Flow / Vol. Flow						
56,30 - 45,58 kJ/kg	10.088 kg/h / 10.090 dm³/h						
Air Press.Drop(Wet/Dry)	Fluid Press.Drop / Fluid Velocity						
54 Pa / 42 Pa	26,34 kPa / 1,22 m/s						
Coil Surface Area	Tube Inner Volume						
96,69 m²	25,46 L						
Manifold / Conn.QTY	Conn.Direction						
1 / 1	Right						
Connection Sizes	Air Condensation		Hygienic	Blygold			
60,3 / 60,3 mm (2" DN50 / 2" DN50)	32,89 l/h						

Bypass Damper

**ACCESSORIES (M7)**

Siphon



**EMPTY SECTION (M8)**

Air Flow	Droplet Eliminator	Condensation Pan	Pressure Drop	Section Weight
17.000 m³/h	Polypropylene / 18 Pa / 42,80 kg / QTY:1	Stainless Steel (Connection:Right) (Pressure:Positive)	18 Pa	209 kg

**ACCESSORIES (M8)**

