

TriaAir[®]

Ventilationsanlæg

Tekniske data

J Prime 25_65, 1RH, 3RC og ROTOR



Varenr.: QD06500250
Med 1RH, 3RC og ROTOR
(1RH varmeblade maks. 57,63 kW)
(3RC køleblade maks. 74,92 kW)

Standardfarve: RAL 9002 glans 30 (hvid)



| TECHNICAL DATA | | | |
|----------------|-----------------------|-----------------|------------|
| Date | 21.08.2020 | Rev. Date | 24.09.2020 |
| Project ID | 4157 | Tracking Number | 4126 |
| Project Name | Item no. QD06500250 | | |
| AHU Name | J Prime_25_65_1RH_3RC | | |
| AHU Model | JUPITER 8 X 16 | | |



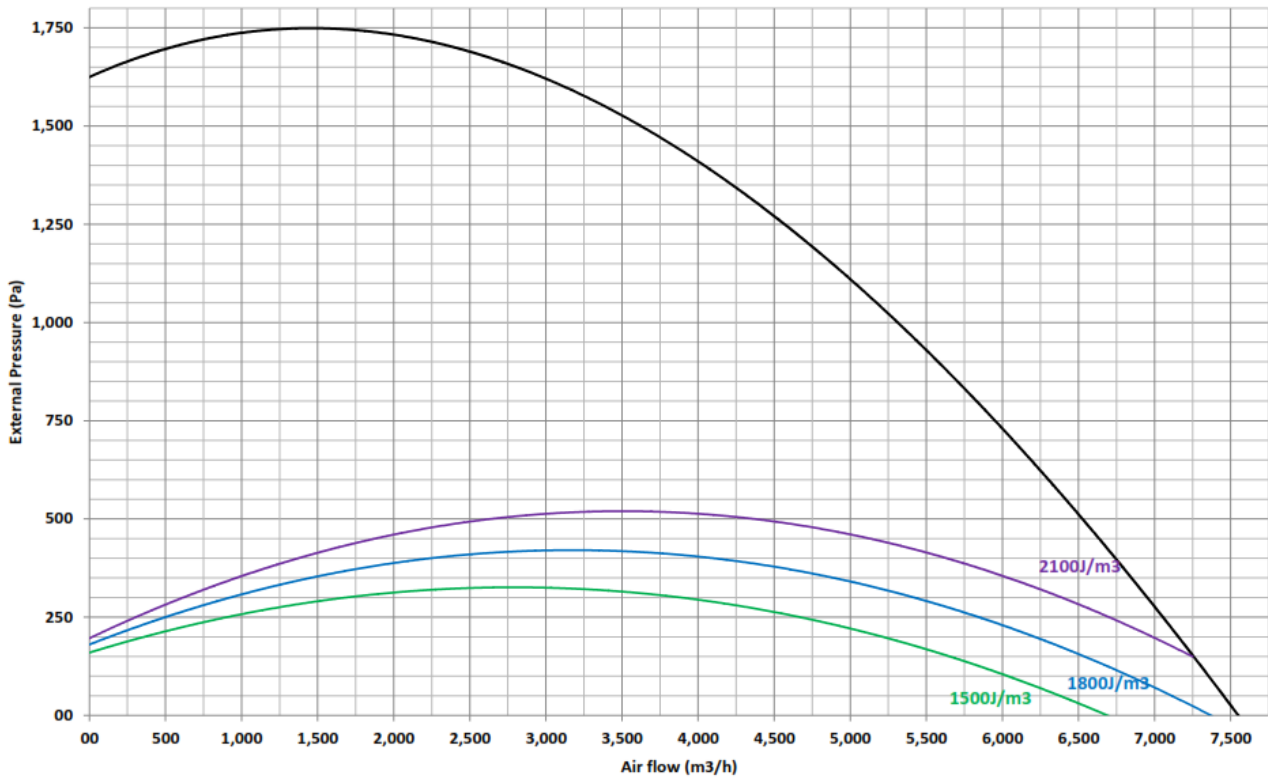
Ecodesign Requirements Table

| | | 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 | 77,87 % | | 77,87 % >= 73 % |
| G | Nominal Flow Rate | 1,81 m³/s | 1,81 m³/s | |
| H | Effective Electrical Power Input | 2,38 kW | 2,14 kW | 4,52 kW |
| I | SFPInt | 449 W/(m³/s) | 425 W/(m³/s) | 874W/(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 | 373 Pa | | 373 Pa |
| | Internal Pressure Drop Δps, Int. Exhaust Air | 275 Pa | | 275 Pa |
| M | Additional Pressure Drop Δps, Add | 130 Pa | 130 Pa | |
| N | Static Fan Efficiency EC327/2011 | 51,29 % | 48,15 % | |
| 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) | 61,8 dBA | | 61,8 dBA |
| S | Internet Address Of Instructions | www.Termicplus.dk | | |
| | Total Dimension mm | W 1.650 x H 1.875 x L 3.025 | | |
| | 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 | 31,67 kW | | 31,67 kW |
| | Fluid Kind for Heating | Water | | Water |
| | Fluid Temp. In / Out (Heating) | 70/50 °C | | 70/50 °C |
| | Total Cooling Capacity | 24,61 kW | | 24,61 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 | 1.232 kg | | 1.232 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 | |

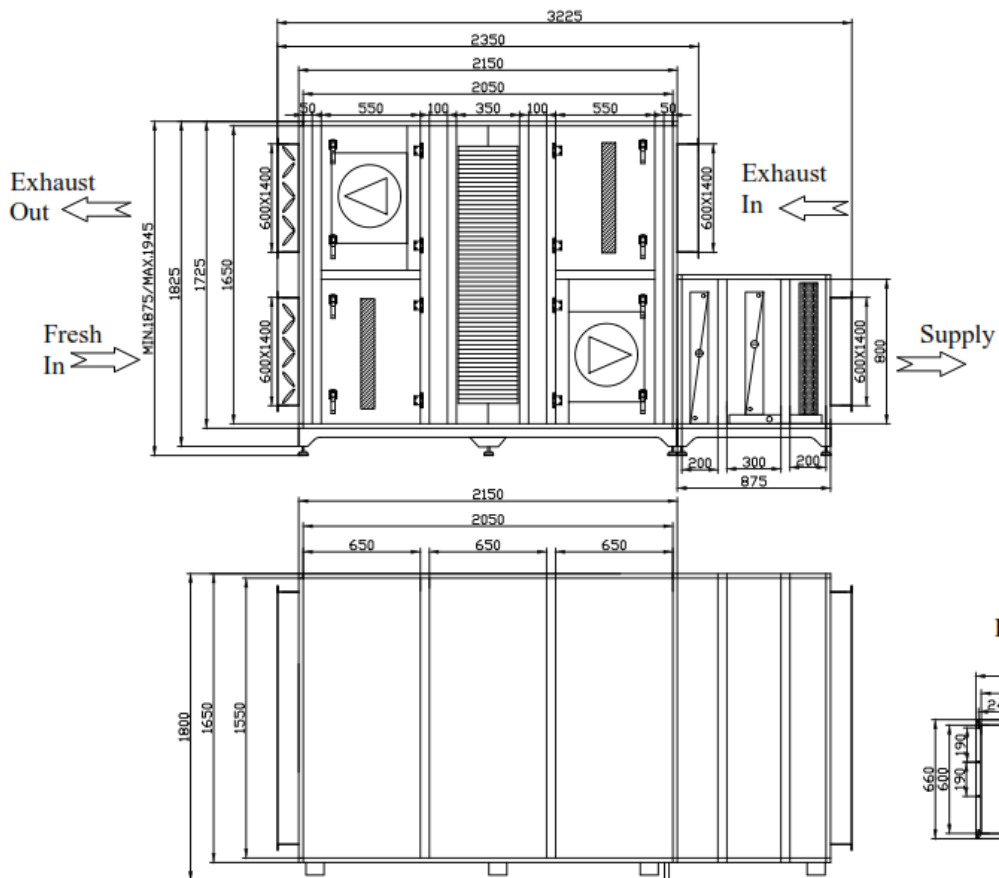
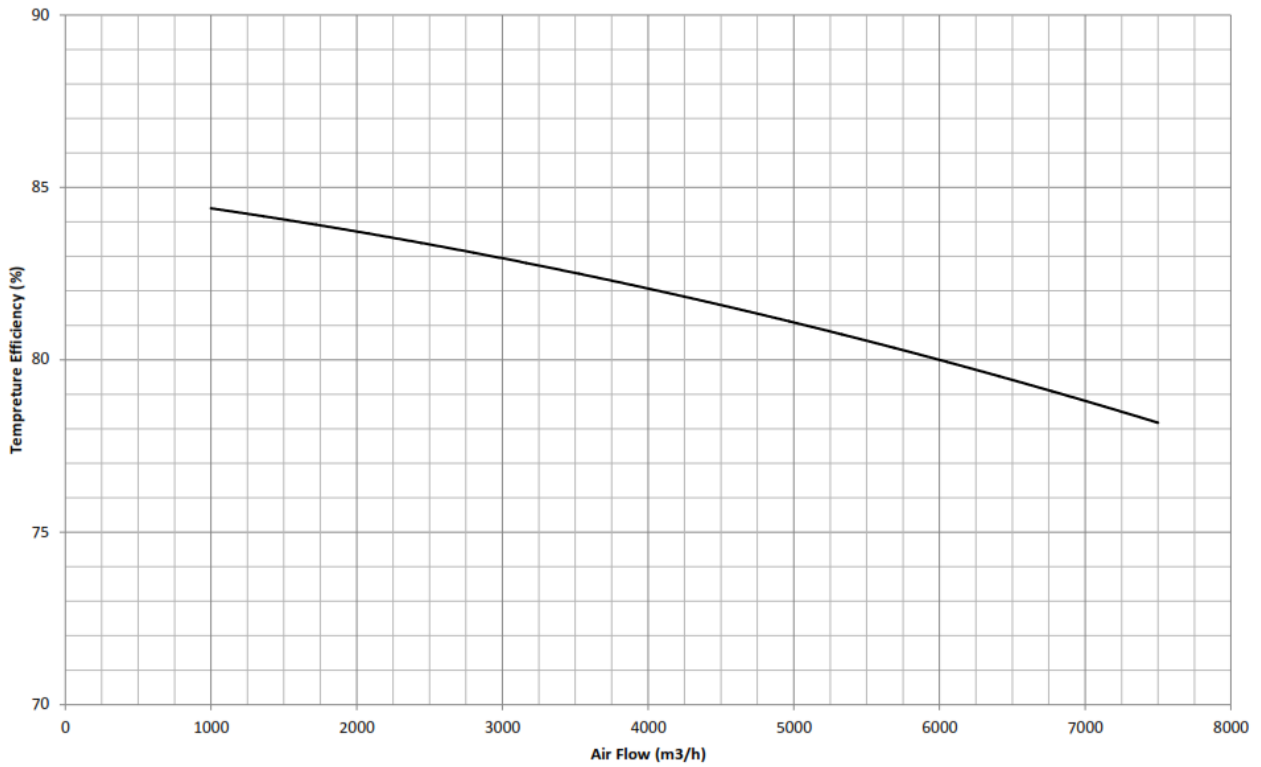
Air Flow

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

| | |
|--|---|
| 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

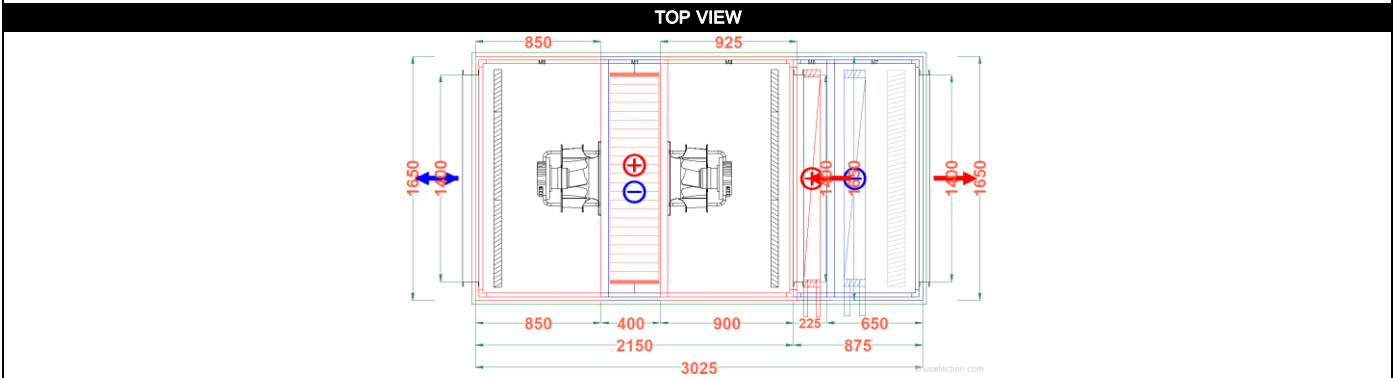
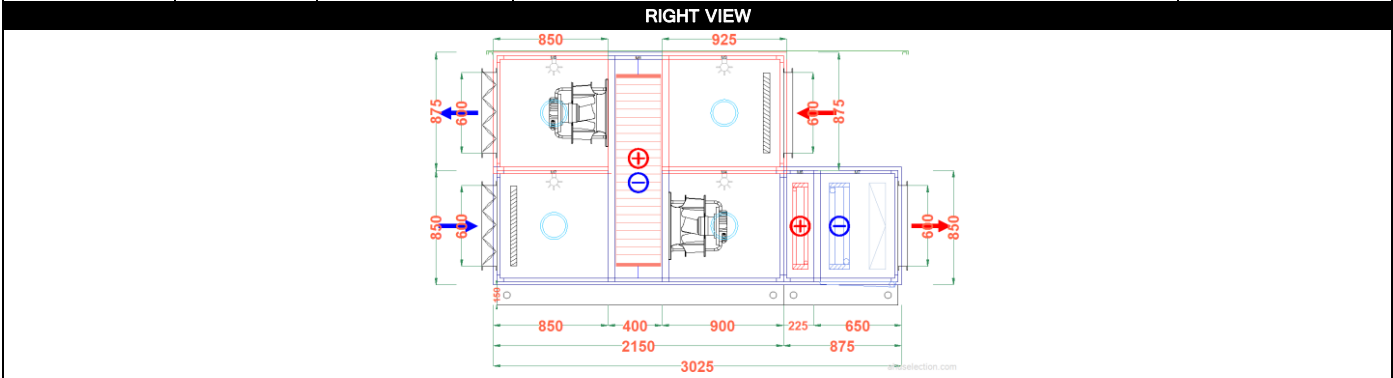
Phone / Telefon: : + 90 216 669 09 70

Mail: info@bskhavalandirma.com

Web : www.bskhavalandirma.com

DECLARATION OF CONFORMITY

| | | | | |
|-----------|------------------------|---|-----------------|------------|
| | TECHNICAL DATA | | | |
| | Date | 21.08.2020 | Rev. Date | 24.09.2020 |
| | Project ID | 4157 | Tracking Number | 4126 |
| | Project Name | J Prime 25 Selection | | |
| AHUSEL V. | 2.2.3.17 15.08.2020 | AHU Name J Prime_25_65_1RH_3RC - (1 QTY) | | |
| BSK | 1/8 | AHU Model JUPITER 8 X 16 | | |



| GENERAL SPECIFICATIONS | | | | |
|---|---|---|---|--|
| 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 3.025 | |
| Air Velocity 1,5 m/s | Return Air Velocity 1,46 m/s | Insulation Material 50 mm Rockwool 70 kg/m³ | Total Weight 1.232 kg | |
| Coil Air Velocity 2,31 m/s | Air Density 1,3505 kg/m³ | 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 4,52 kW | |
| Total Heating Capacity 31,67 kW | Total Cooling Capacity 24,61 kW | Total Sensible Capacity 15,21 kW | Motor Power 2,8 kW / 2,8 kW | |
| Specific Fan Power(SFP Total) 0,88 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 | | 64,9 | 68,3 | 60,0 | 52,4 | 50,7 | 46,5 | 40,4 | 61,8 | dBA |
| Air Outlet Induct Sound Power Level | | 72,9 | 84,5 | 80,0 | 78,9 | 77,6 | 77,0 | 78,8 | 85,4 | dBA |
| Air Inlet Induct Sound Power Level | | 76,7 | 81,5 | 73,8 | 61,9 | 58,0 | 49,4 | 46,9 | 75,5 | dBA |
| Return Air Outlet Induct Sound Power Level | | 77,4 | 89,3 | 84,6 | 83,0 | 79,3 | 78,8 | 80,7 | 88,5 | dBA |
| Return Air Inlet Induct Sound Power Level | | 77,7 | 81,2 | 74,5 | 61,7 | 57,9 | 49,7 | 47,0 | 75,2 | dBA |

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



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| BSK | 2/8 | AHU Model | JUPITER 8 X 16 | | |
| FRESH AIR CONNECTION | | | | | |
| Connection Type | Control Type | | Pressure Drop | | |
| Gear Damper | Automatic (LM230ASR) | | 0 Pa | | |
| Air Flow | Dimensions | | Air Velocity | | |
| 6.500 m ³ /h | W 1.400 mm x H 600 mm | | 2,15 m/s | | |
| SUPPLY CONNECTION | | | | | |
| Connection Type | Control Type | | Pressure Drop | | |
| Flange | | | 0 Pa | | |
| Air Flow | Dimensions | | Air Velocity | | |
| 6.500 m ³ /h | W 1.400 mm x H 600 mm | | 2,15 m/s | | |
| RETURN CONNECTION | | | | | |
| Connection Type | Control Type | | Pressure Drop | | |
| Flange | | | 0 Pa | | |
| Air Flow | Dimensions | | Air Velocity | | |
| 6.500 m ³ /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 | | |
| Air Flow | Dimensions | | Air Velocity | | |
| 6.500 m ³ /h | W 1.400 mm x H 600 mm | | 2,15 m/s | | |
| FILTER (M2) | | | | | |
| Air Flow | Condensation Pan | | Hygienic | Spare Filter | Section Weight |
| 6.500 m ³ /h | | | | | 191 kg |
| Filter Type | Initial / Final / Design P.Drop | Air Velocity | 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 | | | | | |



| | | | | |
|---|------------------------|----------------------|---------------------------------|------------|
|  | TECHNICAL DATA | | | |
| | Date | 21.08.2020 | Rev. Date | 24.09.2020 |
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| | Project Name | J Prime 25 Selection | | |
| AHUSEL V. | 2.2,3,17 15.08.2020 | AHU Name | J Prime 25_65_1RH_3RC - (1 QTY) | |
| BSK | 3/8 | AHU Model | JUPITER 8 X 16 | |



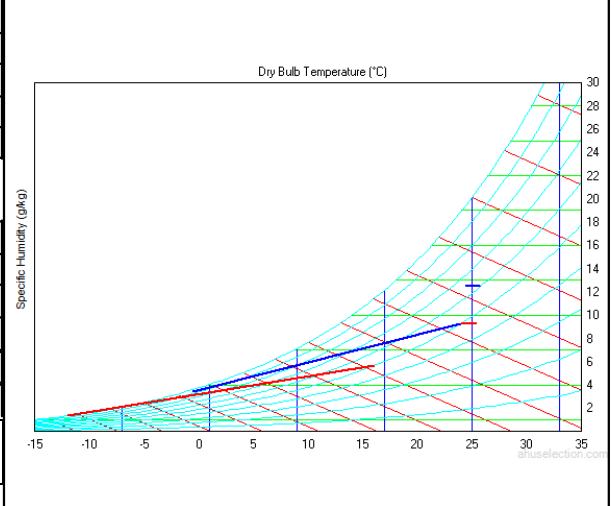
ROTARY HEAT EXCHANGER (M1)

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

| | | | | | | | | | |
|----------|------------|------------|----------|-----------|----------|--------|--------|--------|--------|
| | Fresh Air | Exhaust | Capacity | Winter | Summer | | | | |
| Air Flow | 6.500 m³/h | 6.500 m³/h | | 85,55 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 |
| | 77,87 | 77,87 | 74,71 | 74,71 | | | | | |

| | | | | | | | | |
|--------------------|-----------|----------|----------|----------|-----------|----------|----------|----------|
| Hum.Effic. | 54,93 % | 0,00 % | | | | | | |
| 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 | -0,57 °C | 25,80 °C | 24,46 °C | 24,00 °C |
| WT | -12,29 ° | 10,53 °C | 17,07 °C | -0,84 °C | 20,16 °C | 19,75 °C | 17,07 °C | 17,53 °C |
| RH | 90,00 % | 50,07 % | 50,00 % | 95,00 % | 60,00 % | 65,00 % | 50,00 % | 46,13 % |

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




| | | |
|---|-------------------------------|---------------|
| <input type="checkbox"/> Frequency Inverter | Size mm | Bypass Damper |
| | (1.425 x 1.425 x 330) - 1.375 | |

* Efficiency at balanced flow
* OACF: Outdoor Air Correction Factor, EATR: Exhaust Air Transfer Ratio

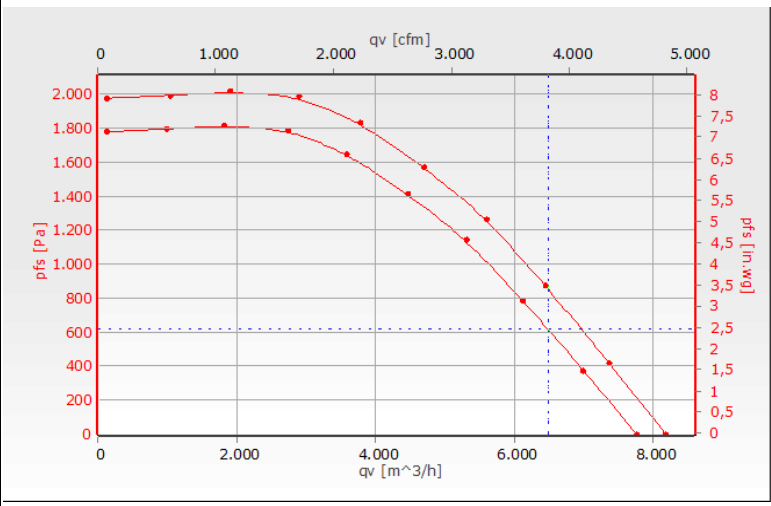
ACCESSORIES (M1)



| | | | | |
|--|------------------------|----------------------|---------------------------------|------------|
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| AHUSEL V. | 2.2.3.17 15.08.2020 | AHU Name | J Prime_25_65_1RH_3RC - (1 QTY) | |
| BSK | 4/8 | AHU Model | JUPITER 8 X 16 | |



SUPPLY FAN (M4)

| | | | | | | | | | | | | | | |
|-------------------------------|-----------------------------|--|------------------------|--------------------|----------|----------------|----------------|--------------|-------------------------------|---------|------|------|---------|-------|
| Air Flow | 6.500 m ³ /h | Fan Model | EBM Papst-K3G355PI9302 | | Quantity | 1 | Section Weight | 177 kg | | | | | | |
| Internal Static Pressure | 373 Pa | Motor P./Pha./Volt./Freq. | 2,8 kW/3P/400V/50-60Hz | | Isolator | Isolator Count | Backup Fan | Backup Motor | | | | | | |
| External Static Pressure | 250 Pa |  | | | | | | | | | | | | |
| Total Static Pressure | 623 Pa | | | | | | | | | | | | | |
| Total Pressure | 753 Pa | | | | | | | | System Effect | 15 Pa | | | | |
| Total / Static Efficiency | 62,01 / 51,29 % | | | | | | | | | | | | | |
| Shaft Power / Absorbed Power | 2,19 / 2,38 kW | | | | | | | | Absorbed Pow.With VFD | 2,38 kW | | | | |
| Fan Speed | 3080 rpm (Max.3230 rpm) | | | | | | | | | | | | | |
| | Air Density | | | | | | | | 1,3505 kg/m ³ | | | | | |
| Specific Fan Power (SFPe int) | 0,45 kW/(m ³ /s) | | | | | | | | | | | | | |
| Electrical Current | 3,44 A (Max.4,39 A) | | | | | | | | | | | | | |
| | | | | | | | | | Sound Power Level (dB) | | | | | |
| | | | | Hz | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | LwA-tot | |
| | | | | SPLm - Outlet Side | 68,4 | 71,6 | 80,8 | 79,8 | 82,9 | 82,0 | 82,2 | 84,9 | 89,6 | dB(A) |
| | | | | SPLa - Inlet Side | 65,2 | 68,7 | 80,4 | 79,3 | 74,4 | 76,2 | 76,0 | 83,0 | 85,3 | dB(A) |



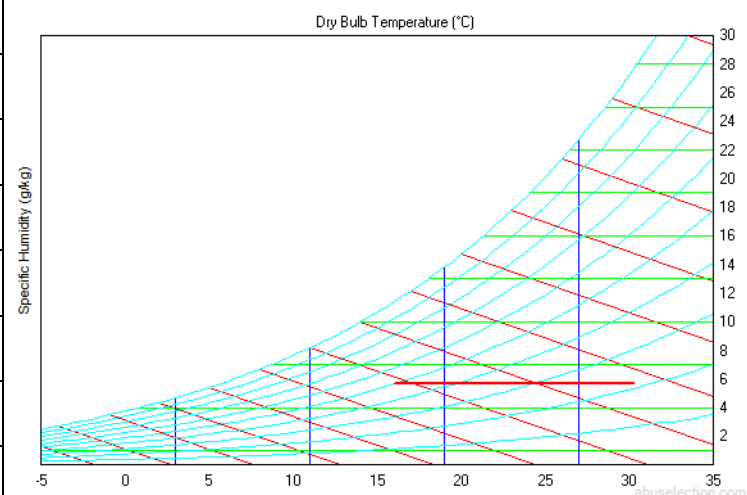

* The fan system effect is taken into account in the fan performance
 * The fan calculated for wet conditions
 * Sfp is calculated based on clean filter & dry coil conditions


ACCESSORIES (M4)

| | |
|-------------------------------|---|
| Lightening, Observation Glass |  |
|-------------------------------|---|

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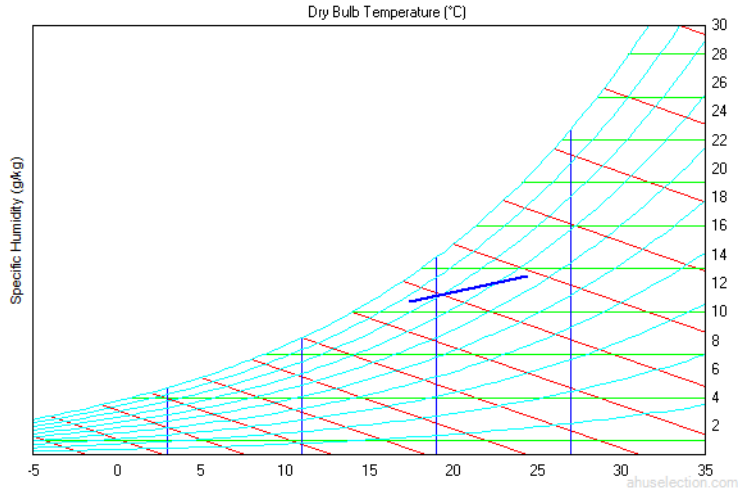


|  | | TECHNICAL DATA | | | |  | | | | | | | | | | | | | | | |
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| AHUSEL V. | 2.2.3.17 15.08.2020 | AHU Name | J Prime_25_65_1RH_3RC - (1 QTY) | | | | | | | | | | | | | | | | | | |
| BSK | 5/8 | AHU Model | JUPITER 8 X 16 | | | | | | | | | | | | | | | | | | |
| COIL (Heating) (M6) | | | | | | | | | | | | | | | | | | | | | |
| Air Flow | 6.500 m ³ /h | Capacity / Sensible | 31,67/31,67 kW | Required Cap. | | Face Vel. | 2,31 m/s | Quantity | 1 | Tube Mat. | Copper | Fin Mat. | Aluminium | Section Weight | 74 kg | | | | | | |
| Coil Code | 32 x 28 12 18T 1R 1370A 1.8P 3NC | | | Tube Thickness | 0,35 mm | | Fin Thickness | 0,1 mm | | Mixing Ratio | % | | | | | | | | | | |
| Droplet Elimin. / Press. Drop | | | | Condensation Pan / Hmin U-Trap | | | Size (W x H x L) mm | 1.370 x 572 x 110 | | Conn. Material | Steel | | Frame Material | Galvanized Steel | | | | | | | |
| Fluid Kind | WATER | | | Fluid In / Out | 70/50 °C | |  | | | | | | | | | | | | | | |
| Air Inlet Drybulb Temperature | 16,03 °C | | | Air Outlet Drybulb Temperature | 30,30 °C | | | | | | | | | | | | | | | | |
| Air Inlet Wetbulb Temperature | 10,53 °C | | | Air Outlet Wetbulb Temperature | 16,16 °C | | | | | | | | | | | | | | | | |
| Air Inlet Relative Humidity | 50,07 % | | | Air Outlet Relative Humidity | 21,12 % | | | | | | | | | | | | | | | | |
| Air Inlet - Outlet Enthalpy | 30,43 - 44,92 kJ/kg | | | Fluid Flow / Vol. Flow | 1.362 kg/h / 1.393 dm ³ /h | | | | | | | | | | | | | | | | |
| Air Press.Drop | 29 Pa | | | Fluid Press.Drop / Fluid Velocity | 19,81 kPa / 1,18 m/s | | | | | | | | | | | | | | | | |
| Coil Surface Area | 21,75 m ² | | | Tube Inner Volume | 3,31 L | | | | | | | | | | | | | | | | |
| Manifold / Conn.QTY | 1 / 1 | | | Conn.Direction | Right | | | | | | | | | | | | | | | | |
| Connection Sizes | 26,9 / 26,9 mm (3/4" DN20 / 3/4" DN20) | | | Air Condensation | 0,00 l/h | | | | | | | | | | | Hygienic | | | Blygold | | |
| Bypass Damper | | | | | | | | | | | | | | | | | | | | | |
| ACCESSORIES (M6) | | | | | | | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | | | | | | |

| | | | | |
|--|------------------------|----------------------|---------------------------------|------------|
|  | TECHNICAL DATA | | | |
| | Date | 21.08.2020 | Rev. Date | 24.09.2020 |
| | Project ID | 4157 | Tracking Number | 4126 |
| | Project Name | J Prime 25 Selection | | |
| AHUSEL V. | 2.2.3.17 15.08.2020 | AHU Name | J Prime_25_65_1RH_3RC - (1 QTY) | |
| BSK | 6/8 | AHU Model | JUPITER 8 X 16 | |



COIL (Cooling) (Wet Surface) (M7)

| | | | | | | | |
|--|---|---------------|---|----------|----------------|------------------|----------------|
| Air Flow | Capacity / Sensible | Required Cap. | Face Vel. | Quantity | Tube Mat. | Fin Mat. | Section Weight |
| 6.500 m³/h | 24,61/15,21 kW | | 2,32 m/s | 1 | Copper | Aluminium | 212 kg |
| Coil Code | 32 x 28 12 18T 3R 1360A 2.8P 9NC | | Tube Thickness | 0,35 mm | | Fin Thickness | Mixing Ratio |
| | | | | | | 0,1 mm | % |
| Droplet Elimin. / Press. Drop | Condensation Pan / Hmin U-Trap | | Size (W x H x L) mm | | Conn. Material | Frame Material | |
| Polypropylene / 18 Pa / 22,20 kg / QTY:1 | Stainless Steel (Connection:Right) (Pressure:Positive) / 63,57 mm | | 1.360 x 572 x 145 | | Steel | Galvanized Steel | |
| Fluid Kind | Fluid In / Out | |  | | | | |
| WATER | 7/12 °C | | | | | | |
| Air Inlet Drybulb Temperature | Air Outlet Drybulb Temperature | | | | | | |
| 24,46 °C | 17,40 °C | | | | | | |
| Air Inlet Wetbulb Temperature | Air Outlet Wetbulb Temperature | | | | | | |
| 19,75 °C | 15,95 °C | | | | | | |
| Air Inlet Relative Humidity | Air Outlet Relative Humidity | | | | | | |
| 65,00 % | 86,38 % | | | | | | |
| Air Inlet - Outlet Enthalpy | Fluid Flow / Vol. Flow | | | | | | |
| 56,38 - 44,67 kJ/kg | 4.221 kg/h / 4.222 dm³/h | | | | | | |
| Air Press.Drop(Wet/Dry) | Fluid Press.Drop / Fluid Velocity | | | | | | |
| 58 Pa / 45 Pa | 24,57 kPa / 1,19 m/s | | | | | | |
| Coil Surface Area | Tube Inner Volume | | | | | | |
| 42,64 m² | 9,74 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) | 13,49 l/h | | | | | | |

Bypass Damper

ACCESSORIES (M7)

Siphon



FILTER (M3)

| | | | | | |
|-------------|---------------------------------|--------------|-------------------|-------------------|-------------------|
| Air Flow | Condensation Pan | | Hygienic | Spare Filter | Section Weight |
| 6.500 m³/h | | | | | 174 kg |
| Filter Type | Initial / Final / Design P.Drop | Air Velocity | Size/Quantity/EC* | Size/Quantity/EC* | Size/Quantity/EC* |
| M6 Panel | 75 Pa / 175 Pa / 125 Pa | 2,07 m/s | 592x592x48/2/E | 592x287x48/1/E | |

* Filter Energy Performance; preferably energy classification

* Frame sealing applied.

ACCESSORIES (M3)

Lightening, Observation Glass, Manometer Pressure Gauge




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|--|------------------------|----------------------|---------------------------------|------------|
|  | TECHNICAL DATA | | | |
| | Date | 21.08.2020 | Rev. Date | 24.09.2020 |
| | Project ID | 4157 | Tracking Number | 4126 |
| | Project Name | J Prime 25 Selection | | |
| AHUSEL V. | 2.2.3.17 15.08.2020 | AHU Name | J Prime_25_65_1RH_3RC - (1 QTY) | |
| BSK | 7/8 | AHU Model | JUPITER 8 X 16 | |



EXHAUST FAN (M5)

| | | | | | | | | | | | | |
|-------------------------------|-----------------------------|-------------------------------|------------------------|------------|----------|--------------|----------------|--------|------|------|---------|-----|
| Air Flow | 6.500 m ³ /h | Fan Model | EBM Papst-K3G355PI9302 | | 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 | Isolator | | Backup Fan | | Backup Motor | | | | | | |
| Total Static Pressure | 525 Pa | | | | | | | | | | | |
| Total Pressure | 655 Pa | | | | | | | | | | | |
| System Effect | 16 Pa | | | | | | | | | | | |
| Total / Static Efficiency | 60,10 / 48,15 % | | | | | | | | | | | |
| Shaft Power / Absorbed Power | 1,97 / 2,14 kW | | | | | | | | | | | |
| Absorbed Pow.With VFD | 2,14 kW | | | | | | | | | | | |
| Fan Speed | 3010 rpm (Max.3230 rpm) | | | | | | | | | | | |
| Air Density | 1,3505 kg/m ³ | | | | | | | | | | | |
| Specific Fan Power (SFPe int) | 0,43 kW/(m ³ /s) | | | | | | | | | | | |
| Electrical Current | 3,09 A (Max.4,39 A) | | | | | | | | | | | |
| | | Sound Power Level (dB) | | | | | | | | | | |
| | | Hz | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | LwA-tot | |
| SPLm - Outlet Side | | | 70,6 | 71,8 | 81,2 | 80,2 | 83,0 | 81,8 | 82,1 | 84,9 | 89,6 | dBA |
| SPLa - Inlet Side | | | 66,4 | 69,4 | 80,1 | 79,9 | 74,2 | 76,1 | 76,3 | 83,2 | 85,5 | 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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