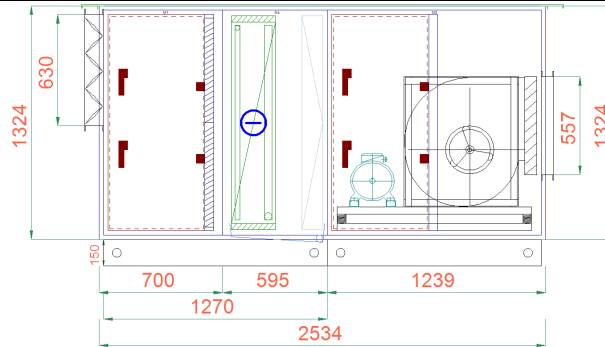
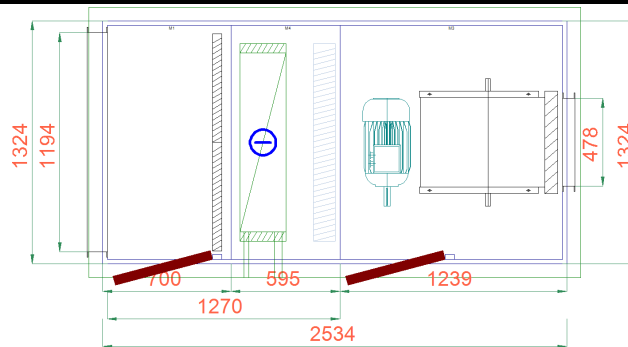


**TECHNICAL DATA**

Date		02/08/2017	Rev. Date	31/01/2018
Project No		2003	Proj.Trace No	27209-R1
Project Name		SYSTEM-R1		
AHU Name		AHU		
AHU Model		JUPITER 16 X 16		
AHUSEL V.	2.2.3.11 06/03/2017			
BSK	1/4			

**RIGHT VIEW****TOP VIEW****GENERAL SPECIFICATIONS**

Supply Air Flow	Return Air Flow	Frame	Dimensions (mm)
	12,000 m³/h	25 steel profile	A1474 x H1449 x L2669
Supply Air Velocity	Return Air Velocity	Insulation Material	Total Weight
2.22 m/s	2.22 m/s	Rockwool 70 kg/m³	833 kg
Coil Air Velocity	Air Density	Insulation Thickness	Base Height
2.99 m/s	1.2338 kg/m³	50 mm	150 mm
Design Outdoor Temp.	Mixing Ratio	Outside Sheet Material	Installation
7.5 °C / 37.2 °C	% 0.00	1 mm Painted Galvanize	Outside
Total Heating Capacity	Total Cooling Capacity	Inside Sheet Material	Motor Power(Vant/Asp)
	57.80 kW	1 mm Galvanize	4 kW
Specific Fan Power(SFP Total)	ErP Code	Real Unit CAL Class -400 Pa	Real Unit CAL Class +400 Pa
0.13 kW/(m³/s)	NRVU - UVU	L3	L3

**NOISE LEVEL****SOUND POWER LEVEL (dB)****LwA-tot**

Frequency Hz	125	250	500	1000	2000	4000	8000		
Airborne Sound Power Level	64.4	56.9	51.3	46.7	46.0	41.7	30.4	54.9	dB(A)
Air Outlet Induct Sound Power Level	83.4	83.9	82.3	80.7	80.0	78.7	72.4	86.0	dB(A)
Air Inlet Induct Sound Power Level	74.4	72.8	70.6	69.7	71.6	70.4	64.5	76.6	dB(A)

**ACCESSORIES**

Siphon

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Designer:

Gönül

31.01.2018

		TECHNICAL DATA												
		Date	02/08/2017	Rev. Date	31/01/2018	Project No	2003	Proj.Trace No	27209-R1	Project Name	SYSTEM-R1			
AHUSEL V.	2.2.3.11 06/03/2017	AHU Name	AHU											
BSK	2/4	AHU Model	JUPITER 16 X 16											
Model	CS Class	CAL Class -400 Pa	CAL Class +700 Pa	FBL Class	TT Class	TBF Class	Casing accoustical insulation at 125 Hz [dB]	Casing accoustical insulation at 250 Hz [dB]	Casing accoustical insulation at 500 Hz [dB]	Casing accoustical insulation at 1000 Hz [dB]	Casing accoustical insulation at 2000 Hz [dB]	Casing accoustical insulation at 4000 Hz [dB]	Casing accoustical insulation at 8000 Hz [dB]	
JUPITER	D2	L1	L1	F9	T2	TB2	19	27	31	34	34	37	42	
FRESH AIR CONNECTION														
Connection Type				Automation				Pressure Drop						
Gear Damper				Automatic				10 Pa						
Airflow				Dimensions				Air Velocity						
12,000 m³/h				A 1194 mm x H 630 mm				4.43 m/s						
SUPPLY CONNECTION														
Connection Type				Automation				Pressure Drop						
Flange				Automatic				10 Pa						
Airflow				Dimensions				Air Velocity						
12,000 m³/h				A 478 mm x H 557 mm				12.52 m/s						
FILTER (M1)														
Filter Type	Initial / Final / Design P.Drop			Air Velocity	Size/Quantity/EC*		Size/Quantity/EC*		Size/Quantity/EC*		Section Weight			
G-4 Panel	71 Pa / 160 Pa / 115 Pa			2.38 m/s	592x592x50/4/NA						203 kg			
Filter Type	Initial / Final / Design P.Drop			Air Velocity	Size/Quantity/EC*		Size/Quantity/EC*		Size/Quantity/EC*		Spare Filter			
											☐			
* Filter Energy Performance; preferably energy classification														
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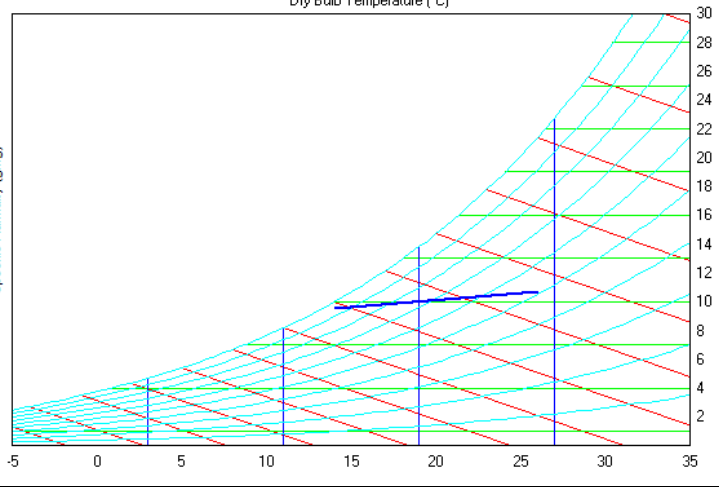

**TSEK**



Designer:

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31.01.2018

		TECHNICAL DATA					
		Date	02/08/2017	Rev. Date	31/01/2018		
Project No	2003	Proj.Trace No	27209-R1				
Project Name	SYSTEM-R1						
AHUSEL V.	2.2.3.11 06/03/2017	AHU Name	AHU				
BSK	3/4	AHU Model	JUPITER 16 X 16				
COIL (DX) (M4)							
Airflow	Capacity / Sensible	Required Cap.	Face Vel.	Quantity	Tube Mat.	Fin Mat.	Section Weight
12,000 m³/h	57.80 / 46.58 kW		2.99 m/s	1	Copper	Aluminium	242 kg
Coil Code			Tube Thickness	Fin Thickness	Fresh Air Perc.	Return Air Perc.	
32 x 28 1/2 36T 7R 975A 2.5P 21NC-Right			0.5 mm	0.12 mm	%	100 %	
Droplet Elim. / Press. Drop		Condensation Pan		Size (W x H x L) mm		Conn. Material	Frame Material
Polypropylene / 30 Pa		Stainless Steel		975 x 1143 x 250		Copper	Galvanized Steel
Fluid Kind		Evaporation / Condensation					
R410A		8/45 °C					
External Air Drybulb Temperature		Internal Air Drybulb Temperature					
37.20 °C		26.00 °C					
External Air Wetbulb Temperature		Internal Air Wetbulb Temperature					
27.93 °C		18.67 °C					
External Air Relative Humidity		Internal Air Relative Humidity					
50.00 %		50.00 %					
Air Inlet Drybulb Temperature		Air Outlet Drybulb Temperature					
26.00 °C		14.06 °C					
Air Inlet Wetbulb Temperature		Air Outlet Wetbulb Temperature					
18.67 °C		13.44 °C					
Air Inlet Relative Humidity		Air Outlet Relative Humidity					
50.00 %		93.49 %					
Air Inlet - Outlet Enthalpy		Fluid Flow / Vol. Flow		Connection Sizes			
53.33 - 38.15 kJ/kg		1,337 kg/h/35,201 dm³/h		28 / 42 mm (1-1/8" / 1-5/8")			
Air Press.Drop(Wet/Dry)		Fluid Press.Drop / Velocity		Connection QTY		Manifold QTY	
168 Pa / 151 Pa		9.41 kPa / 0.1853 m/s		1		1	
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### TECHNICAL DATA

Date	02/08/2017	Rev. Date	31/01/2018
Project No	2003	Proj.Trace No	27209-R1
Project Name	SYSTEM-R1		
AHUSEL V.	2.2.3.11 06/03/2017	AHU Name	AHU
BSK	4/4	AHU Model	JUPITER 16 X 16

### EXHAUST FAN (M3)

<b>Airflow</b> 12,000 m³/h	<b>Motor Type</b> GM 132 M-6a	<b>Fan Model</b> Nicotra-AT 18-18 S	<b>Quantity</b> 1	<b>Section Weight</b> 389 kg					
<b>Internal Static Pressure</b> 333 Pa	<b>Motor P./Volt./Pha./Freq.</b> 4 kW/3P/380V/50Hz								
<b>External Static Pressure</b> 250 Pa	<b>Motor Speed</b> 1000 (940) rpm								
<b>Total Static Pressure</b> 583 Pa	<b>Fan Pulley</b> SPA 150x2+2012 Ø25								
<b>Total Pressure</b> 677 Pa	<b>Motor Pulley</b> SPA 140x2+2012 Ø38								
<b>Total / Static Efficiency</b> 69.52 / 69.52 %	<b>Belt</b> 2xSPA 1650 mm								
<b>Motor / Inverter Efficiency</b> 82.60 / 97.00 %	<input type="checkbox"/> Frequency Inverter								
<b>Shaft / Absorbed Power</b> 3.25 / 4.62 kW	<b>Absorbed Pow.With VFD</b> 4.76 kW								
<b>Fan Speed</b> 859 rpm(Max.1100 rpm)	<b>Running Frequency</b> 50 HZ								
<b>Fan Outlet Air Velocity</b> 12.52 m/s	<b>Hz</b>				<b>Sound Power Level (dB)</b>	<b>LwA-tot</b>			
<b>Specific Fan Power(SFPe int)</b> 0.13 kW/(m³/s)	<b>Air Density</b> 1.2000 kg/m³				125	250	500	1000	2000
	<b>SPLa - Inlet Side</b>	84.4	82.8	80.6	79.7	78.6	77.4	71.5	85.5 dBA
	<b>SPLm - Outlet Side</b>	83.4	83.9	82.3	80.7	80.0	78.7	72.4	86.8 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

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