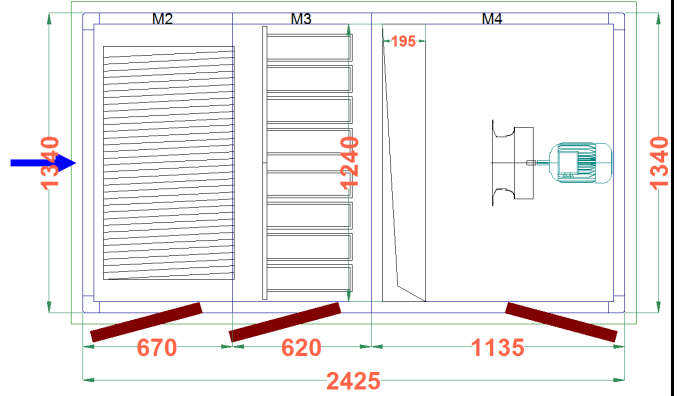
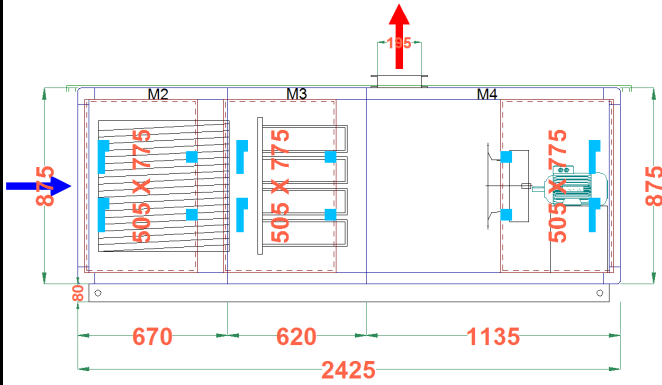


TECHNICAL DATA			
Date	13.08.2021	Rev. Date	13.08.2021
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Project Name	GMC Kitchen		
AHU Name	EF-15 - (1 QTY)		
AHU Model			2.2.3.22 27.07.2021 1/4



RIGHT VIEW



TOP VIEW

* The units illustrated are for visual purposes only. It may be different from the manufacturing drawings.

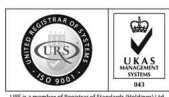
GENERAL SPECIFICATIONS



Air Flow	4.000 m ³ /h	Frame	Aluminum 50	Dimensions (mm)(Size+Pedestal+Damp	W 1.400 x H 1.010 x L 2.425
Air Velocity	1,16 m/s	Insulation Material	50 mm Rockwool 70 kg/m ³	Total Weight	426 kg
Design Outdoor Temp.(W-S)	(-3°C/90%)-(-33°C/47,7%) (İSTANBUL)	Air Density	1,2983 kg/m ³	Outside Sheet Material	0,8 mm Painted Galvanize
Specific Fan Power(SFP Total)	303 W/(m ³ /s)	ErP Code	NRVU - UVU	Inside Sheet Material	0,8 mm Galvanize
		Real Unit CAL Class -400 Pa		Total Sensible Capacity	1,88 kW
		Real Unit CAL Class +400 Pa		Motor Power	2,2 kW
				Total Absorbed Power	1,88 kW
				Base Height	80 mm
				Roof (Outside)	Sheet

SOUND POWER LEVEL (dB)

Frequency Hz	125	250	500	1000	2000	4000	8000	LwA-tot	
Airborne Sound Power Level	54,7	46,7	51,7	45,7	45,7	36,7	30,7	52,2	dB
Air Outlet Induct Sound Power Level	73,7	73,7	82,7	79,7	79,7	73,7	72,7	84,7	dB
Air Inlet Induct Sound Power Level	70,9	78,5	84,3	74,4	71,9	67,5	63,6	82,3	dB

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]
							19	27	31	34	34	37	42



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FRESH AIR CONNECTION				
Connection Type	Control Type		Pressure Drop	
Open			1 Pa	
Air Flow	Dimensions		Air Velocity	
4.000 m ³ /h	W 1.240 mm x H 775 mm		1,16 m/s	
SUPPLY CONNECTION				
Connection Type	Control Type		Pressure Drop	
Flange			4 Pa	
Air Flow	Dimensions		Air Velocity	
4.000 m ³ /h	W 1.240 mm x H 195 mm		4,6 m/s	
FILTER (M2)				
Air Flow	Condensation Pan	Hygienic	Spare Filter	Section Weight
4.000 m ³ /h		<input type="checkbox"/>	<input type="checkbox"/>	154 kg
Filter Type				
FND-500 / FK-42 Panel				
Initial / Final / Design P.Drop	Air Velocity	Size/Quantity/EC*	Size/Quantity/EC*	Size/Quantity/EC*
150 Pa / 150 Pa / 150 Pa	1,83 m/s	1.040x585x585/1/		
* Filter Energy Performance; preferably energy classification				
* Frame sealing applied.				
ACCESSORIES (M2)				
FILTER (M3)				
Air Flow	Condensation Pan	Hygienic	Spare Filter	Section Weight
4.000 m ³ /h		<input type="checkbox"/>	<input type="checkbox"/>	84,66 kg
Filter Type				
Active Carbon Filter Cartridge-400 Carbon Cartridge				
Initial / Final / Design P.Drop	Air Velocity	Size/Quantity/EC*	Size/Quantity/EC*	Size/Quantity/EC*
100 Pa / 300 Pa / 200 Pa	1,49 m/s	610x610x400/2/N/		
* Filter Energy Performance; preferably energy classification				
* Frame sealing applied.				
ACCESSORIES (M3)				



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AHU Name			
AHU Model			



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SUPPLY FAN (M4)

Air Flow	Motor Type	Fan Model	Quantity	Section Weight							
4.000 m³/h	Electric Motor-90L2	Comefri-NPA315-	1	187,1 kg							
Internal Static Pressure	Motor P./Pha./Volt./Freq.	Isolator	Isolator Count	Backup Fan							
355 Pa	2,2 kW/3P/380V/50V-Hz	Arch	4								
External Static Pressure	Motor Speed										
500 Pa	3000 (2875)rpm										
Total Static Pressure	Fan Bush Number										
855 Pa	1210										
Total Pressure	Motor Shaft Diameter										
935 Pa	Ø24										
Total / Static Efficiency											
75,18 / 68,73 %											
Motor / Inverter Efficiency	<input type="checkbox"/> Frequency Inverter Included										
85,90 / 97,00 %											
Shaft Power / Absorbed Power	Absorbed Pow.With VFD										
1,38 / 1,83 kW	1,88 kW										
Fan Speed	Running Frequency										
2707 rpm (Max.2974 rpm)	47,08 Hz (Max.51,72 Hz)										
	Air Density										
	1,2000 kg/m³										
Specific Fan Power (SFPe int)	Sound Power Level (dB)										
303 W/(m³/s)	Hz	63	125	250	500	1000	2000	4000	8000	LwA-tot	
Electrical Current	Outlet Side	73,7	73,7	73,7	82,7	79,7	79,7	73,7	72,7	85,7	dBA
	Inlet Side	69,8	71,9	79,5	85,3	75,4	72,9	69,5	65,6	84,0	dBA

* The fan system effect is taken into account in the fan performance

* The fan calculated for wet conditions

Energy Efficiency Class	D
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ACCESSORIES (M4)

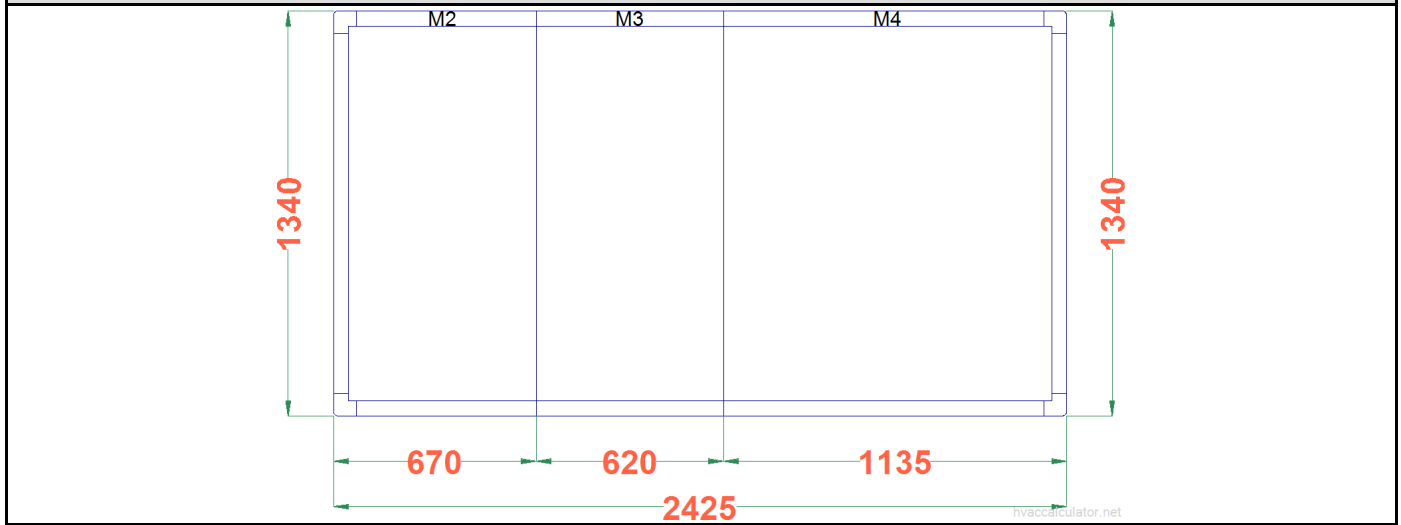


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Date	13.08.2021	Rev. Date	13.08.2021
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Project Name	GMC Kitchen		
AHU Name			
AHU Model			



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LOADING SIZES



LOADING SIZES

Section	Width	Height	Length	Weight	Total Weight
Filter - (M2)	1.400 mm	955 mm	670 mm	154 kg	154 kg
Filter - (M3)	1.400 mm	955 mm	620 mm	84,66 kg	84,66 kg
Fan - (M4)	1.400 mm	1.010 mm	1.135 mm	187,1 kg	187,1 kg
				426 kg	426 kg

