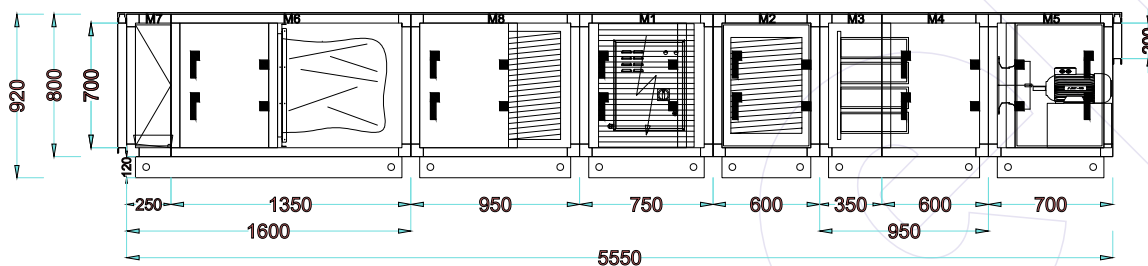
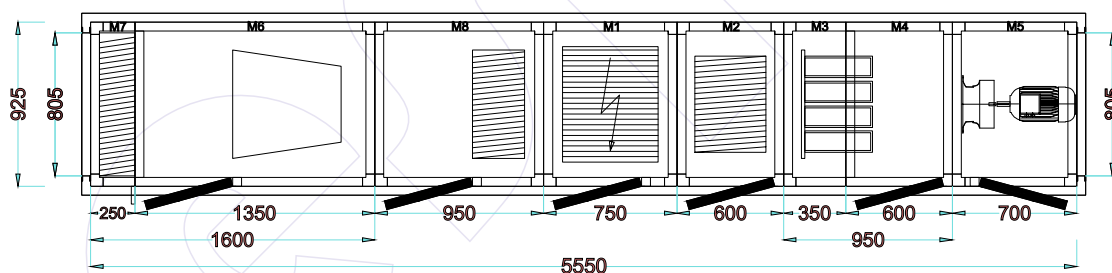


RIGHT VIEW



TOP VIEW



GENERAL SPECIFICATIONS

Airflow

3000 m³/h

Air Velocity

1,44 m/s

Fan Model

RLM E6-3135

Filter 1

Drop Eliminator + Bag Filter

Filter 2

EPA Filter

Filter 3

Electrostatic Filter

Filter 4

UVC Ozone Chamber

Filter 5

Activated Carbon Filter

Model / Frame

50x50 mm

Insulation Material

50 mm Rockwool 70 kg/m³

Outside Sheet Material

0,8 mm Painted Galvanize

Inside Sheet Material

1 mm Galvanize

Dimensions (mm) (Size+Pedestal)

W 925 x H 920 x L 5550

Total Weight

968 kg

Base Height

120 mm

Motor Power

3 kW

Total Absorbed Power

2,79 kW

Specific Fan Power (SFP Total)

122,1 W/(m³/s)

ErP Code

NRVU-UVU

fs-Pref (W-S)

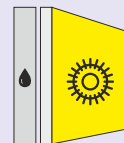
0,97

External Static Pressure

400 Pa

FILTER (M8/M7)

Model	Droplet Eliminator / Bag Filter	Section weight	232 kg
Section length	1600 mm		
Max. Air flow rate	3000 m ³ /h		
Design pressure drop	244 Pa		
		Bag Filter	
Eliminator material	Aluminium	Efficiency class EN779	F7
Eliminator model	ALT-55510	Filter frame	Galvanised steel
Drain pan material	Stainless Steel	Media type	Meltblown synthetic media
Drain	1 1/2"	Max. Operating Temp.	93 °C
		Air velocity	2,38 m/s
		Size / qty.	1 pcs. 592x592x610mm



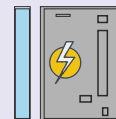
FILTER (M6)

Model	Epa Filter	Section weight	125 kg
Section length	950 mm		
Max. Air flow rate	3000 m ³ /h	Air velocity	2,38 m/s
Design pressure drop	416 Pa	Size / qty.	1 pcs. 592x592x292mm
Efficiency class EN 1822	E11		
Filter frame	Galvanised steel		
Media type	Fibreglass		
Max. Operating Temp.	93 °C		



FILTER (M1)

Model	Electrostatic Filter	Section weight	165 kg
Section length	750 mm		
Max. Air flow rate	3300 m ³ /h	Pass type	Single Pass
Design pressure drop	50 Pa	Efficiency	95% single pass DOP Test 96% single pass ASHRAE 52.2-2012 From 0.01 microns - 10 microns
Case x qty.	DE30		
Type	Plate - Cell	Drain	1 1/2"
Total cell qty.	1	Features	Short circuit, arc protection and auto restore PS. BMS terminals provided Auto power cut-off when door is opened Indicator LEDs for normal or wash indicator Set of Terminals for remote LED
Pre-filter	Metalic Cassette Filter		
Total power	77 W		
Voltage	1 ph / 220-240 V / 50Hz		
Ionising voltages	High Voltage: 12KVdc, Low Voltage: 6KVdc		



FILTER (M2)

Model	UVC Ozone Chamber	Section weight	88 kg
Section length	600 mm		
Max. Air flow rate	3000 m ³ /h	Ballast type	D-PH1-800
Design pressure drop	80 Pa	Ballast qty.	4
Case x qty.	DOZ-30-4A	Total power	164 W
Lamp type	D-GPH843	Voltage	230V - 50Hz
Lamp qty.	4	Rated life	9000 hours
Tube diameter	15mm		
Arc length	762mm		



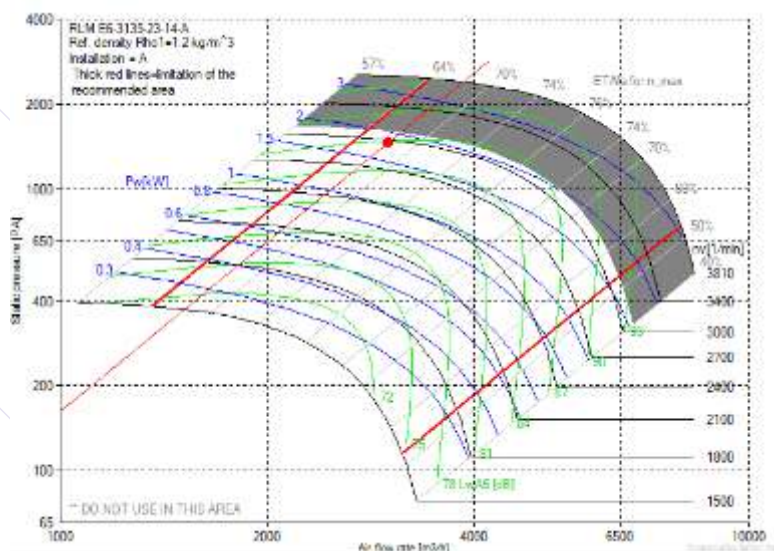
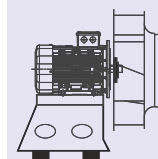
FILTER (M3)

Model	Activated Carbon	Section weight	197 kg
Section length	950 mm	Carbon type	Granule AC - 4 mm pellet
Max. Air flow rate	3440 m ³ /h	Carbon weight	~3,5 kg per cartridge
Design pressure drop	259 Pa	Max. Relative humidity	70%
Case type	Cylindrical Cartridge	Eff. Work. Max. Temp.	40°C
Case material	Painted Galvanized Steel	Iodine	900 mg/g (AWWA B 600-78)
Gasket	Epdm	Specific surface area	1000 m ² /g
Cartridge dimensions	Ø145 x 600 mm	Density	550 kg/m ³ (ASTM D 2854)
Total cartridge qty.	16 pcs	CCI adsorption	50% (ASTM D3467)
Total carbon weight	56 kg		



EXHAUST FAN (M5)

Air Flow 3000 m ³ /h	Motor Type AC-AGM 100 L-2	Fan Model Nicotra-Gebhardt-RLM E6-3135-23-14-A	Quantity 1
Internal Static Pressure 1059 Pa	Motor Po./Pha./Volt./Freq. 3 kW/3P/380V/50V-Hz	Power Margin 22,22%	Section Length 1250 mm
External Static Pressure 400 Pa	Motor Speed 3000 (2850) rpm	Section Weight 161 kg	
Total Static Pressure 1459 Pa	Fan Bush Number 1610		
Total Pressure 1484 Pa	Motor Shaft Diameter Ø28 mm		
Total / Static Efficiency 69,00 / 68,00 %			
Motor / Inverter Efficiency 83,20 / 97,00 %			
Shaft Power / Absorbed Power 1,8 / 2,16 kW	Absorbed Power With VFD 2,23 kW		
Fan Speed 2966 rpm (Max. 3090 rpm)	Running Frequency 52,04 Hz (Max. 54,21 Hz)		
	Air Density 1,2 kg/m ³		
Specific Fan Power (SFPe int) 122,1 W/(m ³ /s)	Electrical Current 3,39 A (Max. 5,64 A)		



Exhaust Fan Sound Power Level (dB)

Hz	63	125	250	500	1000	2000	4000	8000	LwA-tot
Outlet Side	83,0	78,0	89,0	80,0	81,0	79,0	77,0	69,0	87,0 dBA
Inlet Side	72,0	73,0	87,0	81,0	74,0	73,0	70,0	63,0	83,0 dBA

*The fan system effect is taken into account in the fan performance
*The fan calculated for wet conditions

CONTROL BOARD

HMI Touch Screen (Room)

7" HMI Box

Variable Frequency Drive (VFD)

3 kW

Main Controller (PLC)

Yes

Standard Specificaitons

- BMS integration (Modbus RTU, Modbus TCP/IP, BACnet IP)
- Variable fan speed control
- Electrostatic Filter/Bag/EPA dirtiness info
- UVC/Activated carbon filter integrity monitor (Time Counter)
- Door switch info
- Adaptation to fire safety system / fire mode
- Air volume set, monitoring and control from the room HMI Box
- Detailed daily and weekly time scheduling

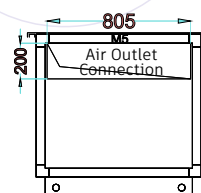
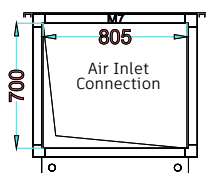
SOUND POWER LEVEL (dB)

Frequency Hz	125	250	500	1000	2000	4000	8000	LwA-tot	
Airborne Sound Power Level	59,0	62,0	49,0	47,0	45,0	40,0	27,0	56,0	dBa
Air Outlet Induct Sound Power Level	78,0	89,0	80,0	81,0	79,0	77,0	69,0	87,5	dBa
Air Inlet Induct Sound Power Level	43,0	57,0	51,0	44,0	49,0	46,0	39,0	55,5	dBa

CASING ACOUSTICAL INSULATION [dB]

Frequency Hz	125	250	500	1000	2000	4000	8000	
	19,0	27,0	31,0	34,0	34,0	37,0	42,0	dBa

AIR CONNECTIONS



Airflow

3000 m³/h

Air Velocity

1,48 m/s

Dimensions

W 805 mm x H 700 mm

Connection Type

Flange

Pressure Drop

0 Pa

Control

No

Airflow

3000 m³/h

Air Velocity

5,18 m/s

Dimensions

W 805 mm x H 200 mm

Connection Type

Flange

Pressure Drop

10 Pa

Control

No

OPTIONS (non-standard)

- Electric motor out of air stream
- Special control scenarios on request
- Temperature or VOC control
- Motorized damper for inlet/outlet connections
- Damper modulation of ecology unit
- Fire damper
- Rain louver
- Bulkhead light
- IOT Module (4G or Ethernet)
- Silencer unit