

# TYPE 3




INDUSTRY 4.0



## FUNCTIONALITIES AND ADVANCED PERFORMANCES

- Wide operation ranges with critical atmospheres from (-20 ÷ 40) °C of temperature and (10 ÷ 90) % of relative humidity;
- Electrical compatibility in compliance with **CE, UL, CSA**, etc.;
- Air flow distribution with tangential diffusion and air velocities < **0,15 m/s** on the work tops;
- Refrigerant circuit modulation through solenoid or electronic valves;
- Water depuration with osmosis group;
- Humidification device;
- Centrifugal blower with automatic speed control in compliance with EU standard;
- Air pre-filters with filtration class **G3 - G4**;
- ECO Energy and water saving logic system;
- Final air HEPA filters (**F6**);
- **HMI Touch Screen 7"** for user interface and monitor screen;
- Remote support;
- Probes resolution at **± 0,01°C** for temperature and **± 0,01%** for relative humidity to reduce at minimum level thermal and temporal gradients;
- Alarms diagnostics and statistics with troubleshooting areas;
- Integrated datalogging system and trend graphs analyses;
- ECO Weekly programming;

AIR VOLUME	(300 ÷ 450) m <sup>3</sup>
Heating:	18 KW
Cooling:	7,7 KW
Humidification:	12 KW
Blower type:	Centrifugal (Standard EU)
Blower capacity:	5000 m <sup>3</sup> /h
Blower consumption:	1,6 KW
Air exchange (m <sup>3</sup> /h):	1 air volume/h
Condensation:	by air
Cooling mode:	by cooled-water
Temperature (°C):	(10 ÷ 30) ± 0,5 °C
Relative humidity (%):	(40 ÷ 80) ± 2 %
Water charge:	Ø ¼"
Water discharge	Ø ½"
Condensing water discharge:	Ø ½"
Power consumption:	38 KW
Internal noise level:	< 45 dBA
External noise level:	< 60 dBA
Refrigerant:	<b>HFO R1234ze</b> 
Pipes Send/Return	Ø 25 mm
GWP	< 1
Lubrificant:	POE, PAG
Cable section:	5x25 mm <sup>2</sup>
Conductors:	3F+N+PE
Power supply:	400V/50HZ
Dimensions (LxPxA):	190x65x190cm
Net weight (Kg):	550 Kg

LAB  
PROJECT