

TYPE 0




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 $\pm 0,01^{\circ}\text{C}$ for temperature and $\pm 0,01\%$ 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 | (20 ÷ 50) m ³ |
|-----------------------------------|--|
| Heating: | 4,5 KW |
| Cooling: | 1 KW |
| Humidification: | 1,8 KW |
| Blower type: | Centrifugal (Standard EU) |
| Blower capacity: | 500 m3/h |
| Blower consumption: | 0,8 KW |
| Air exchange (m ³ /h): | 1 air volume/h |
| Condensation: | by air |
| Cooling mode: | by cooled water |
| Temperature (°C): | (10 ÷ 30) $\pm 0,5^{\circ}\text{C}$ |
| Relative humidity (%): | (40 ÷ 80) $\pm 2\%$ |
| Water charge: | $\varnothing 1/4''$ |
| Water discharge | $\varnothing 1/2''$ |
| Condensing water discharge: | $\varnothing 1/2''$ |
| Power consumption: | 9 KW |
| Internal noise level: | < 45 dBA |
| External noise level: | < 60 dBA |
| Refrigerant: | HFO R1234ze  |
| Pipes Send/Return | $\varnothing 12\text{ mm}$ |
| GWP | < 1 |
| Lubrificant: | POE, PAG |
| Cable section: | 5x10 mm ² |
| Conductors: | 3F+N+PE |
| Power supply: | 400V - 50HZ |
| Dimensions (LxPxA): | 70x50x190cm |
| Net weight (Kg): | 200 Kg |

LAB
PROJECT