



# DFRB-090-E

## desiccant rotor air dehumidifier



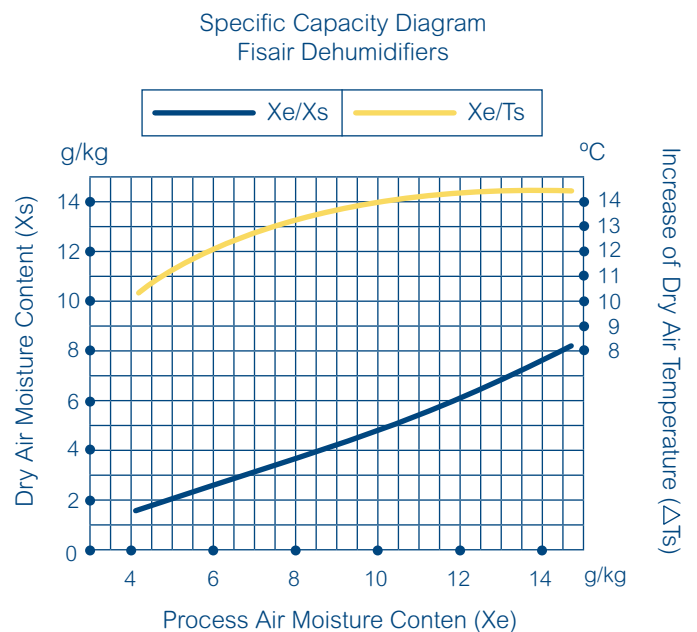
### technical data

Process/Dry Air Flow	950/700	Nm <sup>3</sup> /h
Available Pressure For Ducting	200	Pa
Reactivation Air Flow	250	Nm <sup>3</sup> /h
Available Pressure For Ducting	50	Pa
Nominal Drying Capacity (*)	4,2	kg/h
Total Power Supply	4,8	Kw
Motors Power	0,29	Kw
Reactivation Heater Power	4,5 (nominal) 7,2 (maxim)	Kw
Electrical Supply	400V/III+N/50Hz	

09/04 F-1002-01/B

(\*) Nominal capacity: 20°C and 60% R.H.

### capacity diagram (\*)



#### Settled Parameters:

- Process/Reactivation Air Temperature: 20 °C
- $\Delta T$  Reactivation Heater According To Nominal Power
- Equal Process/Reactivation Air Moisture Content

(\*) At other operating conditions, pls. ask for the corresponding performances

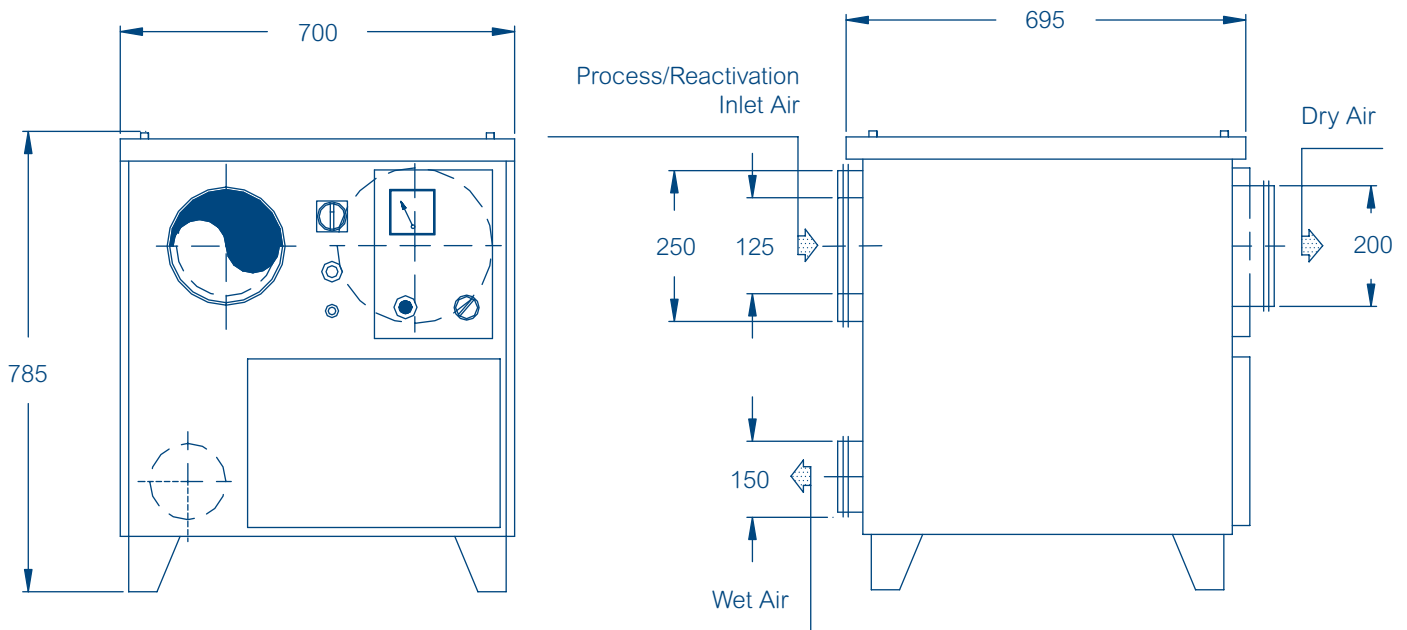


## specification

Air dehumidifier by high performance desiccant silicagel rotary element, brand FISAIR, model DFRB-090-E:

- Self-supporting stainless steel sheet housing, easily serviceable.
- Air intake with G4 filter mat, centrifugal simple ear air fan with direct motor drive.
- Rotary desiccant element driven by gear motor, teeth pulley and transmission belt, with three front sections; for dry, heat recovery and wet air streams.
- Partition and peripheral contact-type airseals.
- Dessicant reactivation air heater PTC-type, with self limited operation temperature.
- Process inlet, dry and wet outlets; with round connectors with rubber seals.
- On-off switch with on-light. Line breaker switch.
- Operation Ampere gage.
- Performance, airflows and other data as per front page.

## overall dimensions



Remark: - Approx. weight: 75 kg  
- All dimensions in mm