



MASS ENERGY



TFD
CLIMA

BOOSTER 100

DYNAMIC FLOW TECHNOLOGY
CLIMA

INTELLIGENT USE OF ENERGY



TFD

C L I M A

BOOSTER 100

DYNAMIC FLOW TECHNOLOGY
CLIMA

An air handling unit with fresh air supply and an integrated hydronic battery that, connected to the heating/cooling system of the building, allows dehumidification (in summer) and integration (in summer and winter), optimizing overall comfort.



Dehumidification and integration through a hydronic battery



950 m³/h flow rate with 100 Pa of useful pressure (recirculation)



Air passage from TFD Clima (ventilation)



Low consumption EC fan with backward centrifugal blades



F7 filter (ePM1 70%) with low load loss



Self-supporting structure in pre-painted sheet metal; thermal/acoustic insulation in polyethylene foam th. 10mm



Remote LCD display (shared with TFD Clima) with integrated temperature and humidity sensors



Unit operated through remote contacts, remote display or via ModBus protocol on RS485



Rated voltage: 230 V 1F 50-60 Hz



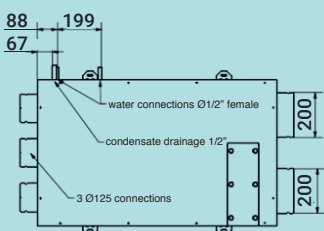
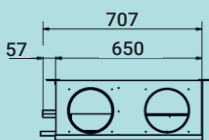
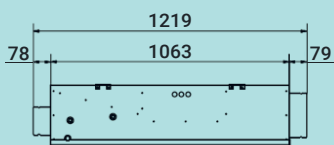
Max absorption: 1.5A 180W



Operating conditions: room temperature between 10°C and 40°C, humidity < 80%



DIMENSIONS



Overall dimensions
excluding ducts and
condensate drainage
(l x w x h):
1065x650x270 mm

Pipe nominal diameter:
2x Ø200 mm +
3x Ø125 mm

Weight:
48 kg



TECHNICAL DATA

Air flow intake	950	m ³ /h
Delivery pressure	100	Pa
Fan calibration speed	100	%

COOLING AND DEHUMIDIFICATION

room temperature 26 °C and 60% U.R.
 outdoor temperature 30 °C and 60% U.R.

Cooling power (battery only)	6.6	kW
Water temperature	7	°C
Water flow rate	1140	l/h
Pressure loss	19	kPa
Condensing capacity	4.4	l/h

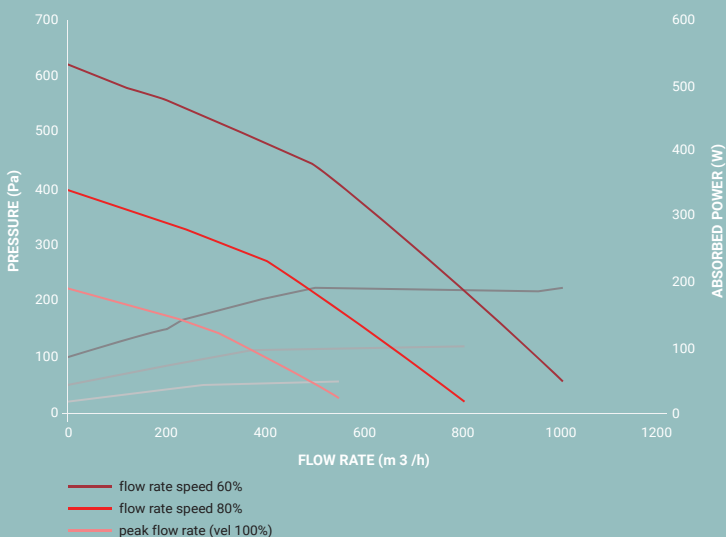
HEATING

room temperature 20 °C and 50% U.R.
 outdoor temperature -5 °C and 80% U.R.

Heating power (battery only)	6.7	kW
Water temperature	50	°C
Water flow rate	1150	l/h
Pressure loss	15.5	kPa
Absorbed power	0.18	kW
Electricity	1.5	A



AERADYNAMIC PERFORMANCES





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DESIGN

REALIZATION

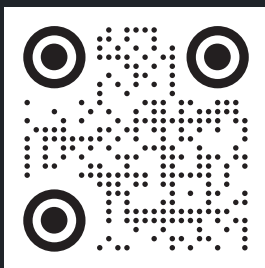
SUPPLY

INSTALLATION

TESTING
AFTER SALES SERVICE



TURNKEY SUPPLY
FOR TAILOR-MADE SOLUTIONS



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