

SOLANO TURBO

fan heater



Weight [kg]
9,5–26,2



Air flow [m³/h]
1000–5800



Colour
white
and black



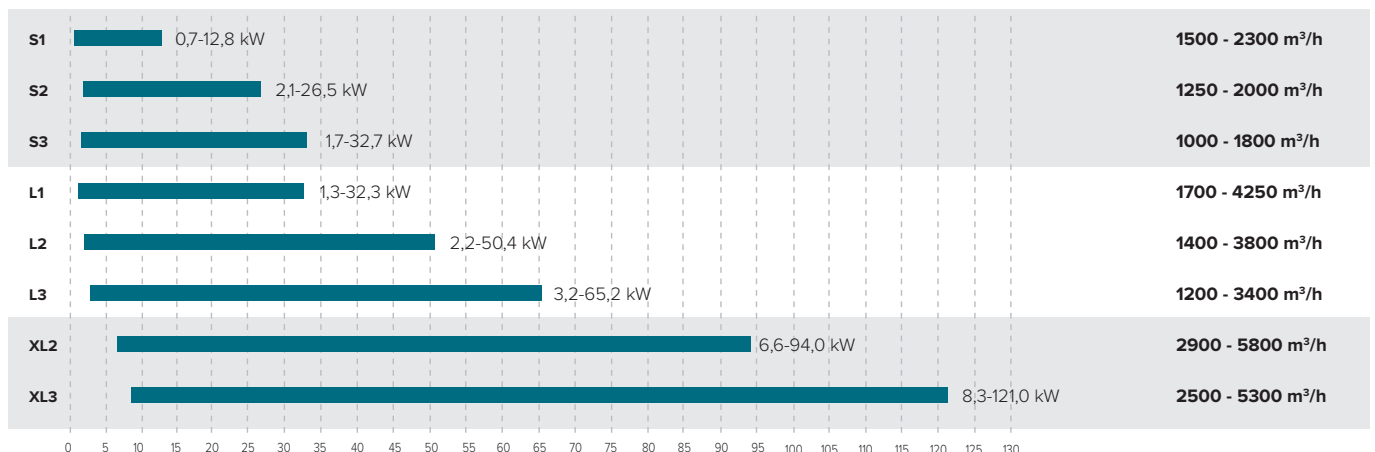
Heating capacity [kW]
0,7–121



Casing
steel, powder coated



HEATING CAPACITY RANGE



Range of heating power at given parameters:

min. – I step of fan, temperature of heating medium 40/30°C, air temperature at the supply to the device 20°C
max. – III step of fan, temperature of heating medium 120/90°C, air temperature at the supply to the device 0°C

APPLICATION

Big cubature buildings: industrial halls, warehouses, department stores, production halls, sports halls, sacral buildings, etc., as well as smaller rooms, like: workshops, garages, stores, car show rooms, gas stations, etc.

AVAILABLE TYPES OF UNITS:

- TURBO BMS**
 TURBO BMS fan heater is equipped with energy efficient 3 speed fans controlled by the S-ETM module. The S-ETM module manages the operation of devices according to control signals from S-TOUCH or directly from BMS.
- TURBO**
 TURBO fan heater with AC fan offers possibility to switch between 3 steps of efficiency.

Fan heater TURBO		TURBO S1	TURBO S2	TURBO S3	TURBO L1	TURBO L2	TURBO L3	TURBO XL2	TURBO XL3
Max. air flow stream	[m³/h]	2300	2000	1800	4250	3800	3400	5800	5300
Heating capacity	[kW]	0,7 – 12,8	2,1 – 26,5	1,7 – 32,7	1,3 – 32,3	2,2 – 50,4	3,2 – 65,2	6,6 – 94,0	8,3 – 121,0
Nominal heat power (70/50/16°C, III step)	[kW]	4,5	10,2	12,3	11,7	19,1	25,6	36,5	48,1
Power supply	[V/Hz]	230/50			230/50			230/50	
Max. current consumption	[A]	0,5	0,6	0,6	1,4	1,5	1,5	2,3	2,4
Max. power consumption	[W]	120	130	130	330	340	340	520	550
IP / Insulation class	[-]	54/F			54/F			54/F	
Max. acoustic pressure level	[dB(A)] ⁽¹⁾	56,3			64,1			67,5	
Max. acoustic power level	[dB(A)] ⁽²⁾	71,4			79,2			82,6	
Horizontal range	[m] ⁽³⁾	16,0	14,0	12,5	24,0	21,5	19,0	26,0	23,5
Vertical range	[m] ⁽⁴⁾	6,0	5,3	4,9	8,3	7,5	6,8	8,5	7,7
Max. heating water temperature	[°C]	130			120			120	
Max. operating pressure	[MPa]	1,6			1,6			1,6	
Connection	[-]	½"			¾"			¾"	
Max. operating temperature	[°C]	60			60			60	
Weight of unit	[kg]	9,5	10,4	10,8	14,9	16,2	17,8	23,2	26,2
Weight of unit filled with water	[kg]	10,2	11,6	12,2	15,9	18,2	20,5	25,9	30,3

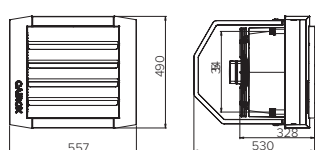
⁽¹⁾ Acoustic pressure level at the distance of 5 m from the unit, in the room of medium capability of sound absorption and 1500 m³ of cubature

⁽²⁾ In accordance with PN-EN ISO3744

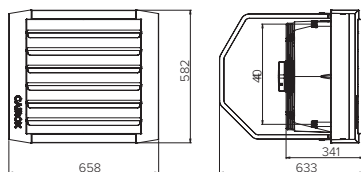
⁽³⁾ Range of horizontal isothermal air stream, at 0,5 m/s velocity limit

⁽⁴⁾ Range of vertical nonisothermal air stream at ΔT = 5°C, at 0,5 m/s velocity limit

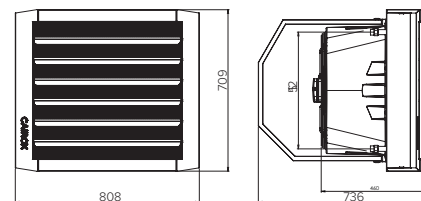
DIMENSIONS



TURBO S1 / S2 / S3



TURBO L1 / L2 / L3

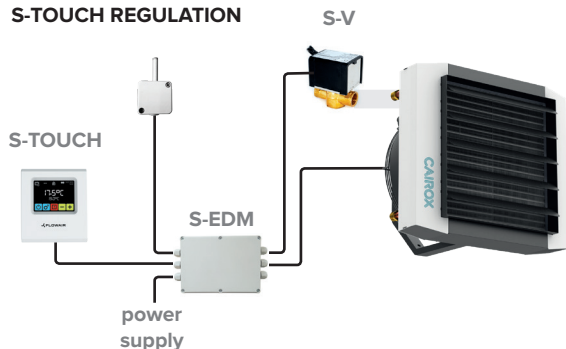


TURBO XL2 / XL3

CONNECTION DIAGRAMS

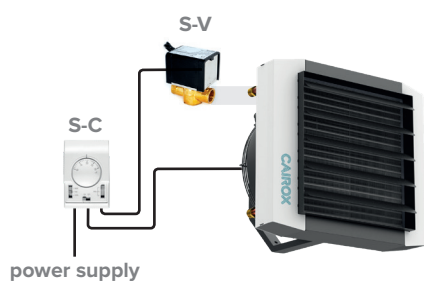
Fan heaters

S-TOUCH REGULATION



Fan heaters

S-C REGULATION



CONTROL COMPARISON



S-C REGULATION

The simplest control system for 3-step fans. Air curtain operation is regulated by 3-step fan speed controller with thermostat.



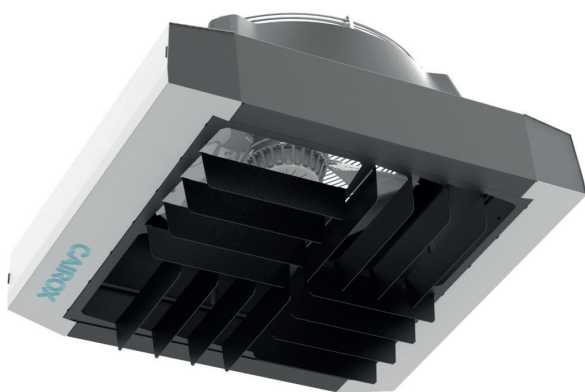
S-TOUCH REGULATION

Intelligent control system for air curtains, that increases the functionality. Intelligent controller with touch screen.

Controlling options		
Manual 3-step air flow regulation	✓	✓
Automatic 3-step air flow regulation		✓
Modes		
Heating/Ventilation	✓	✓
Continuous or thermostatic operation	✓	✓
Weekly programmer		✓
BMS		✓
Antifreeze		✓
Max. number of connected units		
Via controller	up to 7	31
Via additional splitters S-SPLIT	18	n/a

SOLANO DST

destratificator



 Weight [kg]
8,9–19,5

 Max. installation height [m]
8,0 – 15,0

 Colour
white
and black

 Casing
steel, powder coated

SOLANO DST

Air volume:	[m³/h]	2500 - 7200
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APPLICATION

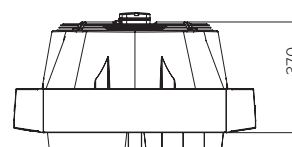
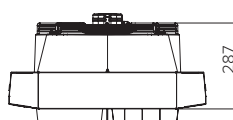
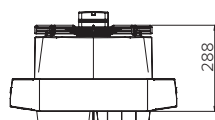
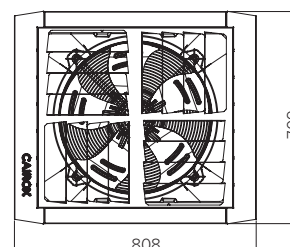
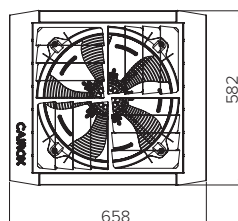
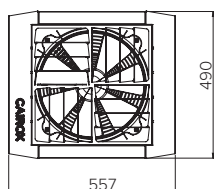
Destratificators are dedicated to be used inside buildings. They work together with other devices in the heating system. They increase the efficiency of heating of large and high spaces for example production facilities, warehouses, supermarkets and trade fair centers.

AVAILABLE TYPES OF UNITS:

- **SOLANO DST BMS**
version with a S-EDM module with a temperature sensor, integration with SOLANO SOLUTION.
- **SOLANO DST-T**
with build on thermostat.
- **SOLANO DST**
without build on thermostat.

Destratificator SOLANO DST		SOLANO DST 2500	SOLANO DST 5200	SOLANO DST 7200
Fan	[-]	3 speed fan, Axial, single-phase, AC	3 speed fan, Axial, single-phase, AC	3 speed fan, Axial, single-phase, AC
Max. range of air stream	[m ³ /h]	2500	5200	7200
Power supply	[V/Hz]	230/50	230/50	230/50
Max. current consumption	[A]	0,5	1,3	2,0
Max. power consumption	[W]	110	280	450
IP / Insulation class	[-]	54/F	54/F	54/F
Max. acoustic pressure level [	dB(A)] ⁽¹⁾	56,9	65,7	72,8
Max. acoustic power level [	dB(A)] ⁽²⁾	72,0	80,0	87,9
Maks. operating temperature	[°C]	60	60	60
Position of operation	[-]	horizontal	horizontal	horizontal
Weight of unit	[kg]	8,9	13,9	19,5

DIMENSIONS



SOLANO DST 2500

SOLANO DST 5200

SOLANO DST 7200

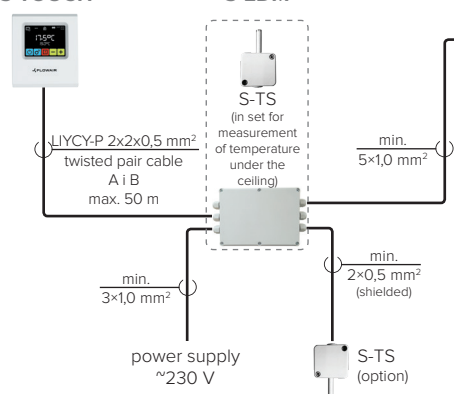
CONNECTION DIAGRAMS

SOLANO DST BMS + S-EDM

Regulation with controller S-TOUCH

S-TOUCH

S-EDM



SOLANO DST / DST-T

ON/OFF regulation /
ON/OFF regulation with build
on thermostat

