SOLAR

Double-panel Structure

Isolating switch included

DESCRIPTION

Solar dissipation unit, SOLAR model with directly coupled fan, water coil and ePM10 50%/M5 filter. For installation in solar systems. Includes isolating switch.

Modular structure in extruded aluminium profile according to DIN 17615 with 30 mm thickness and reinforced nylon corners. Double-wall panels with 25 mm thickness, with outer face in Magnelis steel with corrosion class C5, inner face in galvanized steel sheet according to EN 10192. The intermediate insulation of the panels is filled with self-extinguishing polystyrene boards 25 mm thick, with a density of 30 kg/m³, providing high resistance to different mechanical stresses.

Available in 5 sizes.

STANDARDS AND CERTIFICATIONS

ISO 1940 | EN 10327 | Protection Class IP20 | Mechanical Protection IP55

ADVANTAGES

- High dissipation capacity.
- Corrosion class C5.
- Factory-installed isolating switch as standard.

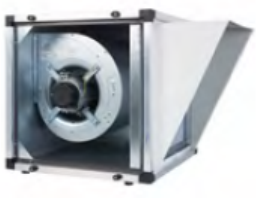
ACCESSORIES

- Protection for rain
- Rain Roof
- Differential air pressure switch

COMPONENTS

MOTOR

Single-speed single-phase motors or two-speed three-phase motors, with permanent capacitor, built-in automatic reset thermal protection, insulation class F, with minimum efficiency class IE2, with mechanical protection IP20 to IP55, three-phase two-speed motor.



FAN

Double-inlet centrifugal fans with direct-drive motor, high-efficiency forward-curved impeller, statically and dynamically balanced. Directly driven by AC electric motors of single speed and permanent capacitor, with built-in automatic reset thermal protection, insulation class F, with mechanical protection IP44 to IP55. Driven by a voltage regulator.

WATER COIL

Water dissipation coil made of copper tubes with aluminium fins with 2.1 mm / 2.5 mm spacing, supported by a galvanized steel frame sliding on rails, allowing easy maintenance.

CHARACTERISTICS

SOLAR		12	22	30	45	55
Technical characteristics	Fan	7/7-14	9/9-14	10/10-14	12/9-9	12/12-14
	Airflow (m³/h)	1300	2800	3800	5000	6400
	Sound Pressure (dB (A)) *	48	50	53	48	52
Inlet air temperature 30°C	Dissipated Power (kW)	11,76	22,14	30,24	44,64	54,88
	Water flow rate (l/h)	540	1044	1404	2088	2556
	Hydraulic pressure drop (kPa)	0,94	2,61	3,36	6,74	2,92
Inlet air temperature 40°C	Dissipated Power (kW)	8	16,24	22,63	34,39	41,21
	Water flow rate (l/h)	360	756	1044	1584	1908
	Hydraulic pressure drop (kPa)	0,48	1,5	2,01	4,23	1,75

* Sound pressure level at 4 m, measured in open field according to ISO 3744

DIMENSIONS

SOLAR	12	22	30	45	55
A (mm)	550	600	650	720	810
L (mm)	550	600	650	800	900
P (mm)	890	950	1050	1100	1200
ø (mm)	3/4''	3/4''	1''	1''	1 1/4''
Weight (kg)	29	32	38	46	56