

Product Name :
Solar Concentrator

Product Code :
DM176



Description :

Solar Concentrator

Technical Specification :

Solar Concentrator

Insulated steel sanitary water tank (capacity: 50 l)

Cylindrical parabolic concentrator with the following geometrical specs:

Chord 750 mm - focal distance 200 mm - depth 1500 mm

Copper absorber with glass pipe

Electronic control for pump operation

Recirculation pump on primary circuit powered in direct current by photovoltaic panel or by the mains

Safety, check and exhaust valves

Quick connections for the connection with external user modules

Expansion tank

Control board

Solar tracker powered by photovoltaic module or by the mains

Instruments: - Inlet/outlet thermometers - Pressure gauge

Data acquisition system to calculate thermal energy on primary circuit and to assess instantaneous and average collector efficiency; measurement of flow rate, collector inlet and outlet temperature, ambient temperature, boiler temperature and solar radiation incident on collector surface. PC Connection via serial port RS232; software for Windows. Power supply: 230 Vac 50 Hz single-phase - 230 VA

(Other voltage and frequency under request)

Dimensions: Collector + tracker: 120 x 120 x 150 cm Boiler: 100 x 100 x 100 cm Net weight: 170 -200 kg

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