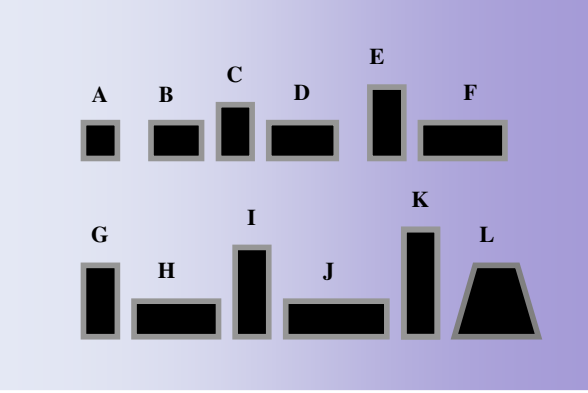


COLLECTOR TYPE: AES Serpentine and Headers & Risers operation

MODELS:	MEASUREMENTS AND WEIGHTS:	MODEL	HEIGHT mm	WIDTH mm	GROSS AREA m ²	APERTURE AREA m ²	WEIGHT kgs
		A	1175	1032	1.2	1.05	14
		B	1175	1500	1.7	1.58	18
		C	1500	1175	1.7	1.58	18
		D	1175	1945	2.2	2.05	23
		E	1945	1175	2.2	2.05	23
		F	1175	2130	2.5	2.26	25
		G	2133	1175	2.5	2.26	25
		H	1175	2880	3.3	3.08	30
		I	2880	1175	3.3	3.08	30
		J	1175	3770	4.4	4.24	41
		K	3770	1175	4.4	4.24	41
		L	Triangular collector - sizes and weights vary ALL COLLECTORS 100mm DEEP				

ABSORBER PLATE: Aluminium fins metallurgically bonded to rhombic shaped copper water ways providing large water to wall contact for maximum heat transfer. Sputter coated selective surface: Solar Absorption = 96% ± 2, Thermal Emission = 7% ± 2

GLAZING: High quality, twin-wall polycarbonate. Light weight, long term weather resistance and outstanding thermal insulation properties. Solar transmission = 85%.

BACKING: Melinex film, ensuring the collectors are completely waterproof

COLLECTOR BOX: Aluminium box section with all round fixing channels for easy fitting. A sensor pocket is fitted at the appropriate location

INSULATION: Rigid PIR foam, manufactured with zero ODP

FLOW AND RETURN: 15mm copper for serpentine operation, 22mm for Headers & Risers

FLUID CONTENT: 0.6 litre per 1 square metre of collector area

RECOMMENDED FLOW RATE: 1 litre per square metre of collector area per minute

TRANSFER FLUID: 100% Tyfocor antifreeze mixture (recommended)

TEST PRESSURE: 15 Bar

MAXIMUM WORKING PRESSURE: 10 Bar

PRESSURE DROP: 10 kPa at flow rate of 0.03 litres per second, per 1 square metre of collector area

FIXING METHODS: (1) Retrofit on top of roof cover (2) Flat roof mounted with A-frames and/or ballast or roof fixing – (See separate fact sheet or installation manual for fixing details)

ZERO LOSS EFFICIENCY: 0.633

HEAT LOSS COEFFICIENT: 2.907 W/m²K

TESTED BY: University College Cardiff, TNO The Netherlands, National University of Singapore, EN12975 by ITW

LIFE EXPECTANCY: In excess of 25 years

APPLICATIONS: Small to large domestic hot water systems, industrial process and swimming pool heating

GUARANTEE: 5 years



AES Limited, AES Building
Lea Road
FORRES
IV36 1AU
Tel: 01309 676911 Fax: 01309 671086
E-mail: info@aessolar.co.uk

