

Navitas 2m



Solar Specification On-Roof 2m System

Technical Data

Gross Area	2.02m ²
Aperture Area	1.91m ²
Absorber Area	1.85m ²
Collector Dimensions (L x W x D)	1.73m x 1.17m x 0.083m
Weight	32kg
Max Operating Pressure	10bar
Recommended Operating Pressure	6bar
Recommended Flow Rate	1L/min/m ²
Fluid Volume in Collector	1.95l
Rated Heat Output	1.61kW

Materials

Absorber	Aluminium
Coating	Highly Selected Vacuum Coated
Absorbance	95%
Emissivity	5%
Mounting Frame	Extruded Aluminium
Glass	3.2mm Tempered Solar Safety Glass
Mounting Inclination	15°-75°
Inlet Outlet Dimensions	3 ¼ bracket male
Stagnation Temperature	181°C
Insulation Material	40mm Mineral Wool
Heat Transfer Fluid	Propylene Glycol / Water mix
Efficiency Constants for G=8000W/m ²	$\eta_0 = 0.799$ $a_1 = 4.173$ $a_2 = 0.008$ (W/m ² K)

Test Results

Type	Test House	Test Results Number	Cert. Number	Result
Hall Impact	TUV Rheinland	EN 12975-1:2006	21215813_JL	✓
		EN 12975-2:2006		
Keymark	Fraunhofer Institute	EN 12975-1:2 2006	KTB Nr 2007-07-en	✓
		MCS 004 ISSUE 2.3		
MCS	Intertec	INT ST 21013		✓
NSAI	NSAI IRE	IBR 1997 2009	10/0353	✓

