

Air Source Heat Pump for Heating, Cooling & DHW

R290
Natural
Refrigerant

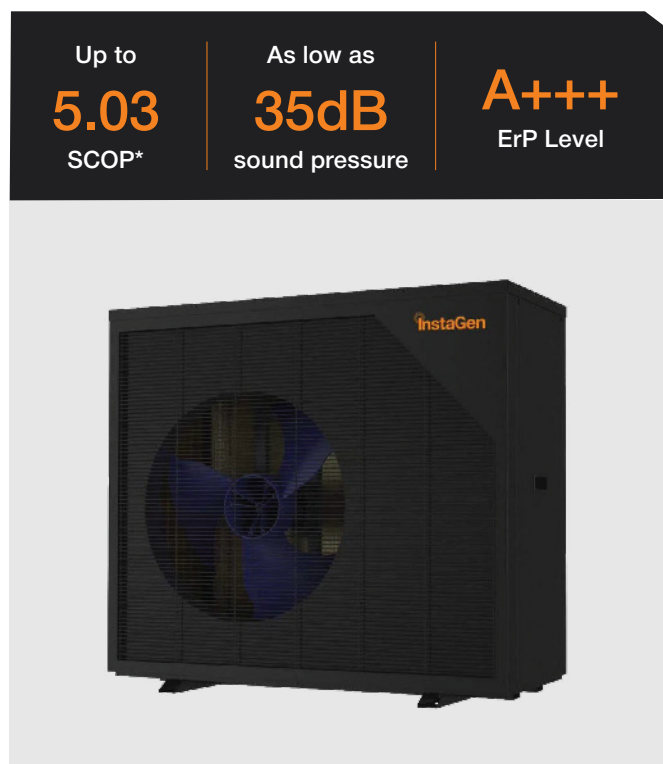


The InstaGen heat pump is a modern, stylish monobloc system utilising low Global Warming Potential (GWP) refrigerant – R290.

Key features

The use of R290 refrigerant provides high efficiency and performance, future-proof compliance beyond 2027, compatibility with multiple hot water system configurations, and reliable operation at ambient temperatures as low as -25°C.

- Sleek, minimalist design
- Single fan monobloc system (up to 14kW)
- Available in six kW capacities (3kW to 22kW)
- Low GWP R290 refrigerant
- Powerful unit providing up to 75°C flow temperature
- More information via support@instagen.co.uk



Model	IG6-MP1-A1	IG8-MP1-A1	IG12-MP1-A1
Heating Condition - Ambient Temp. (DB/WB): 7/6°C, Water Temp. (In/Out):30/35°C			
Heating Capacity Range (kW)	3.3~8.3	4.5~11.4	7.2~18.2
Heating Power Input Range (kW)	0.64~2.18	0.85~2.95	1.38~4.65
COP Range	3.81~5.17	3.86~5.29	3.91~5.22
DHW Condition-Ambient Temp. (DB/WB): 7/6°C, Water Temp. (In/Out):15/55°C			
Heating Capacity Range (kW)	3.7~7.4	5.2~10.2	7.2~16.2
COP Range	3.52~4.69	3.55~4.71	3.54~4.67
Heated water output (L/H)	159	219	348
Cooling Condition - Ambient Temp. (DB/WB):35/24°C, Water Temp. (In/Out):12/7°C			
Cooling Capacity Range (kW)	2.4~5.8	3.3~8.2	5.6~14.1
EER Range	2.65~3.04	2.67~3.06	2.62~3.11

*Seasonal co-efficient of performance

Model		IG6-MP1-A1	IG8-MP1-A1	IG12-MP1-A1
Space Heating (According to EN14825:2022)				
Average Climate Water Outlet 35°C	Rated heat output (kW)	5.82	7.89	12.2
	Seasonal Space Heating Energy Efficiency (ηs)	182.7%	181.0%	186.80%
	Seasonal Space Heating Energy Efficiency (SCOP)	4.64	4.60	4.74
	ErP Level	A+++	A+++	A+++
Average Climate Water Outlet 55°C	Rated heat output (kW)	5.59	8.70	12.16
	Seasonal Space Heating Energy Efficiency (ηs)	136.0%	137.0%	142.10%
	Seasonal Space Heating Energy Efficiency (SCOP)	3.48	3.50	3.63
	ErP Level	A++	A++	A++
Technical Data				
Power supply		2230V/1Ph/50Hz		
Max. power input (kW)		3.1	4.1	7.1
Max. current (A)		14.2	18.8	32.5
Nominal running current (A)		9.98	13.5	21.3
Fuse or circuit breaker (A)		20	25	40
Minimum power cable diameter mm²		2.5mm²	4mm²	6mm²
EN14825:2022 Average Climate Water Outlet 35°C	Sound pressure level (dB(A)) at 1 meter	44	43	41
	Sound power level (dB(A))	58	57	57
Unit connection diameter, pipework (mm)		DN25	DN25	DN25
Water Flow L/min		23.83	32.66	52.16
Pump head after unit (m) based on optimal flow rate		6	4.5	6
Minimum water volume (L)		30	40	60
Net Weight (kg)		112	120	165
Unit size (W*D*H) (mm)		1080×460×820	1080×460×960	1080×480×1372
Packing size (W*D*H) (carton)		1100×490×960	1100×490×1110	1100×500×1510
Refrigerant		R290/0.8kg	R290/0.95kg	R290/1.3kg
Operation Ambient Temp (°C)		-25~43		
Operating water temperature (°C) (DHW)		28~65		
Operating water temperature (°C) (Heating)		15~75		
Accreditations				
ENA Status		Connect & Notify		Apply to Connect
ENA Ref.		INSTA/10989/V1/A4	INSTA/10990/V1/A3	INSTA/11105/V1/A2
Quiet Mark		Approved		
MCS Ref.		MCS HP0411/01	MCS HP0411/02	MCS HP0411/03