

Air Source Heat Pump for Heating, Cooling & DHW

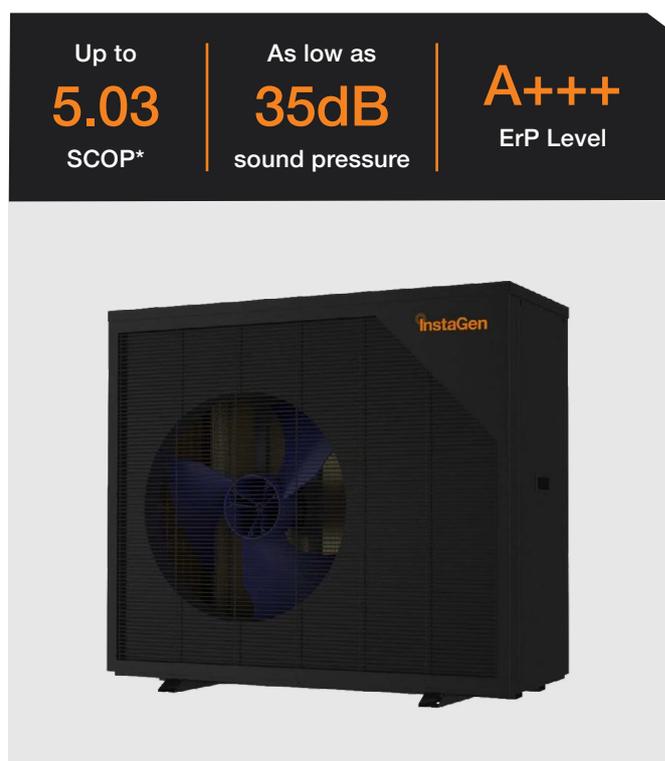


The InstaGen heat pump is a modern, stylish monobloc system utilising low Global Warming Potential (GWP) refrigerant – R290.

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



Model	IG4-MP1-A1	IG6-MP1-A1	IG8-MP1-A1	IG10-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)	2.5~6.0	3.3~8.3	4.5~11.4	5.9~14.8	7.2~18.2
Heating Power Input Range (kW)	0.48~1.44	0.64~2.18	0.85~2.95	1.13~3.83	1.38~4.65
COP Range	4.16~5.21	3.81~5.17	3.86~5.29	3.86~5.22	3.91~5.22
DHW Condition-Ambient Temp. (DB/WB): 7/6°C, Water Temp. (In/Out):15/55°C					
Heating Capacity Range (kW)	2.6~5.3	3.7~7.4	5.2~10.2	6.6~13.2	7.2~16.2
COP Range	3.53~4.64	3.52~4.69	3.55~4.71	3.54~4.67	3.54~4.67
Heated water output (L/H)	114	159	219	283	348
Cooling Condition - Ambient Temp. (DB/WB):35/24°C, Water Temp. (In/Out):12/7°C					
Cooling Capacity Range (kW)	1.7~4.2	2.4~5.8	3.3~8.2	4.3~10.8	5.6~14.1
EER Range	3.06~3.20	2.65~3.04	2.67~3.06	2.71~3.10	2.62~3.11

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Space Heating (According to EN14825:2022)						
Average Climate Water Outlet 35°C	Rated heat output (kW)	4.19	5.82	7.89	9.95	12.2
	Seasonal Space Heating Energy Efficiency (η_s)	198.1%	182.7%	181.0%	182.9%	186.80%
	Seasonal Space Heating Energy Efficiency (SCOP)	5.03	4.64	4.60	4.65	4.74
	ErP Level	A+++	A+++	A+++	A+++	A+++
Average Climate Water Outlet 55°C	Rated heat output (kW)	4.15	5.59	8.70	9.23	12.16
	Seasonal Space Heating Energy Efficiency (η_s)	144.5%	136.0%	137.0%	131.9%	142.10%
	Seasonal Space Heating Energy Efficiency (SCOP)	3.69	3.48	3.50	3.37	3.63
	ErP Level	A++	A++	A++	A++	A++
Technical Data						
Power supply		230V/1Ph/50Hz/60Hz				
Max. power input (kW)		2.5	3.1	4.1	5.2	7.1
Max. current (A)		11.5	14.2	18.8	23.8	32.5
Fuse or circuit breaker (A)		16	20	25	32	40
Minimum power cable diameter mm ²		2.5mm ²	2.5mm ²	4mm ²	6mm ²	6mm ²
EN14825:2022 Average Climate Water Outlet 35°C	Sound pressure level (dB(A)) at 1 meter	35	44	43	45	41
	Sound power level (dB(A))	49	58	57	59	57
Unit connection diameter, pipework (mm)		DN25	DN25	DN25	DN25	DN25
Water Flow L/min		17.16	23.83	32.66	42.50	67.83
Net Weight (kg)		95	112	120	138	165
Unit size (W*D*H) (mm)		1080×440×761	1080×460×820	1080×460×960	1080×480×1060	1080×480×1372
Packing size (W*D*H) (carton)		1105×470×900	1100×490×960	1100×490×1110	1100×500×1210	1100×500×1510
Loading quantity (carton)		48/100	48/96	48/96	22/92	22/46
Refrigerant		R290/0.5kg	R290/1.0kg	R290/0.95kg	R290/1.45kg	R290/1.3kg
Operation Ambient Temp (°C)		-25~43°C				
Operating water temperature (°C) (DHW)		28~65°C				
Operating water temperature (°C) (Heating)		15~75°C				
Operating water temperature (°C) (Cooling)		7~35°C				

*Seasonal co-efficient of performance

The products listed are the five most popular models; however, there is a larger, more powerful unit available that has informed some of the statistics in the highlights section.