

## MIDEA H-PACK INDOOR HYBRID HEAT PUMP



## AWARD WINNING SUSTAINABLE HEATING SOLUTION.

The Midea H-Pack is an innovative all-indoor hybrid heat pump designed to deliver efficient heating and domestic hot water without the need for an outdoor unit. Developed specifically for modern retrofit and space-restricted properties, the H-Pack combines compact design, intelligent energy management and low-carbon R290 technology in one flexible solution.

Designed to integrate with existing boilers and radiator systems, the H-Pack offers a practical transition towards lower-emission heating. With domestic hot water temperatures up to 70°C, A+++ energy efficiency and fast commissioning, the H-Pack delivers reliable comfort and simplified installation, enabling homeowners to transition towards a more energy-efficient and sustainable heating solution.



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### ALL-INDOOR INSTALLATION

The H-Pack is installed entirely indoors, eliminating the need for a traditional outdoor heat pump unit, helping preserve valuable external space. Ideal for apartments, terraced homes, utility rooms, loft spaces, garages and basement installations with planning, noise or space restrictions.

### DOMESTIC HOT WATER UP TO 70°C

Designed to deliver domestic hot water temperatures up to 70°C, the H-Pack is designed to support higher temperature heating requirements while remaining compatible with many existing radiator systems, making it ideal for retrofit applications.

### HIGH ENERGY EFFICIENCY

Using advanced inverter technology and natural R290 refrigerant, the H-Pack achieves high seasonal performance with A+++ heating efficiency for reduced running costs and lower environmental impact.

### LOW CARBON R290 REFRIGERANT

The H-Pack uses environmentally friendly R290 refrigerant with ultra-low global warming potential to support lower carbon heating solutions.

### HYBRID HEATING FLEXIBILITY

Available in fully electric or hybrid-compatible versions, the H-Pack can integrate with existing boiler systems and automatically select the most efficient heat source to optimise energy usage and operating costs.

### EASY RETROFIT INSTALLATION & COMMISSIONING

Designed to integrate with existing hydraulic systems and radiators without major pipework changes, the H-Pack simplifies retrofit projects and reduces installation complexity. The built-in "Commissioning Wizard" enables fast guided setup, helping installers complete commissioning quickly and efficiently while minimising installation time.

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Model		'HSR50N7-H1	
Combination with/without Hydrobox		HP only / Hybrid fossil boiler / All electric	
Power supply	V/Ph/Hz	220-240V/1Ph/50Hz	
Heating (35°C): COP: EN 14511-2 SCOP: EN 14825	Rated Heating Capacity (35°C)*	W	3500(2300-4460)
	Rated Heating Power input (35°C)*	W	778(640-1160)
	Rated Heating Current (35°C)*	A	5.2(3.0-6.0)
	COP*	W/W	4.5(3.59-4.5)
	SCOP	W/W	4.5
	Energy Efficiency Class	/	A+++
"Heating (55°C): COP: EN 14511-2 SCOP: EN 14825"	Rated Heating Capacity (55°C)**	W	2800(2350-4260)
	Rated Heating Power input (55°C)**	W	1120(1050-1780)
	Heating Current (55°C)**	A	7.4(5.0-8.3)
	COP**	W/W	2.5(2.23-2.6)
	SCOP	W/W	3.5
	Energy Efficiency Class	/	A++
Max. power input	W	2530	
Max. current input	A	12	
Indoor Air flow	m <sup>3</sup> /h	750-1300	
Residual pressure → Air flow	Pa	120 Pa	
Indoor sound power level*	dB(A)	49(W35°C) / 50(W55°C)	
Outdoor sound power level**	dB(A)	55(W35°C) / 55(W55°C)	
Fan motor	Brand	/	WELLING / BROAD-OCEAN
	Input	w	190
	Speed	r/min	900
Water Pump	Brand	/	Grundfos / Wilo
	Rated water flow	m <sup>3</sup> /h	0.6
	Min. water flow	m <sup>3</sup> /h	0.3 (Cooling) / 0.24 (Heating)
	Max. water flow	m <sup>3</sup> /h	3.0
Rated head	Rated head	m	6
Refrigerant	Type	/	R290
	GWP	/	0.02(IPCC6)
	Charged quantity	g	570
	Refrigerant design pressure	MPa	3.21/0.85
Water pipe	Inlet Water Pipe Dimension	mm	25 (3/4", male)
	Outlet Water Pipe Dimension	mm	25 (3/4", male)
	Drain water pipe Dimension	mm	39.5
Exhaust pipe Dimension	mm	250	
Thermostat type	/	Touch Screen Wired Controller	
Power supply Cable	mm <sup>2</sup>	1.5	
Running ambient temperature	°C	-20-35 (Heating mode)	
		-20-43 (DHW mode)	
		10-46 (Cooling mode)	
Max. water temperature with heat pump	°C	75(Heating) / 70(DHW)	
Max. water temperature with additional electric heater	°C	75(Heating) / 70(DHW)	
Net/Gross weight	kg	78.3/95	
Product Dimension (W×D×H)	mm	662x489x837	
Packing Dimension (W×D×H)	mm	760x580x1055	

\*Operating conditions: Indoor temperature A20/-°C outdoor temperature A7/6°C Inlet and outlet water temperature W30/35°C.

\*\*Operating conditions: Indoor temperature A20/-°C outdoor temperature A7/6°C Inlet and outlet water temperature W47/55°C.

**DATA IS SUBJECT TO CHANGE, SCAN THE QR CODE FOR MOST RECENT PRODUCT INFORMATION**