

**SUITABLE FOR  
DIFFERENT HOUSE TYPES**

**Terraced Houses**

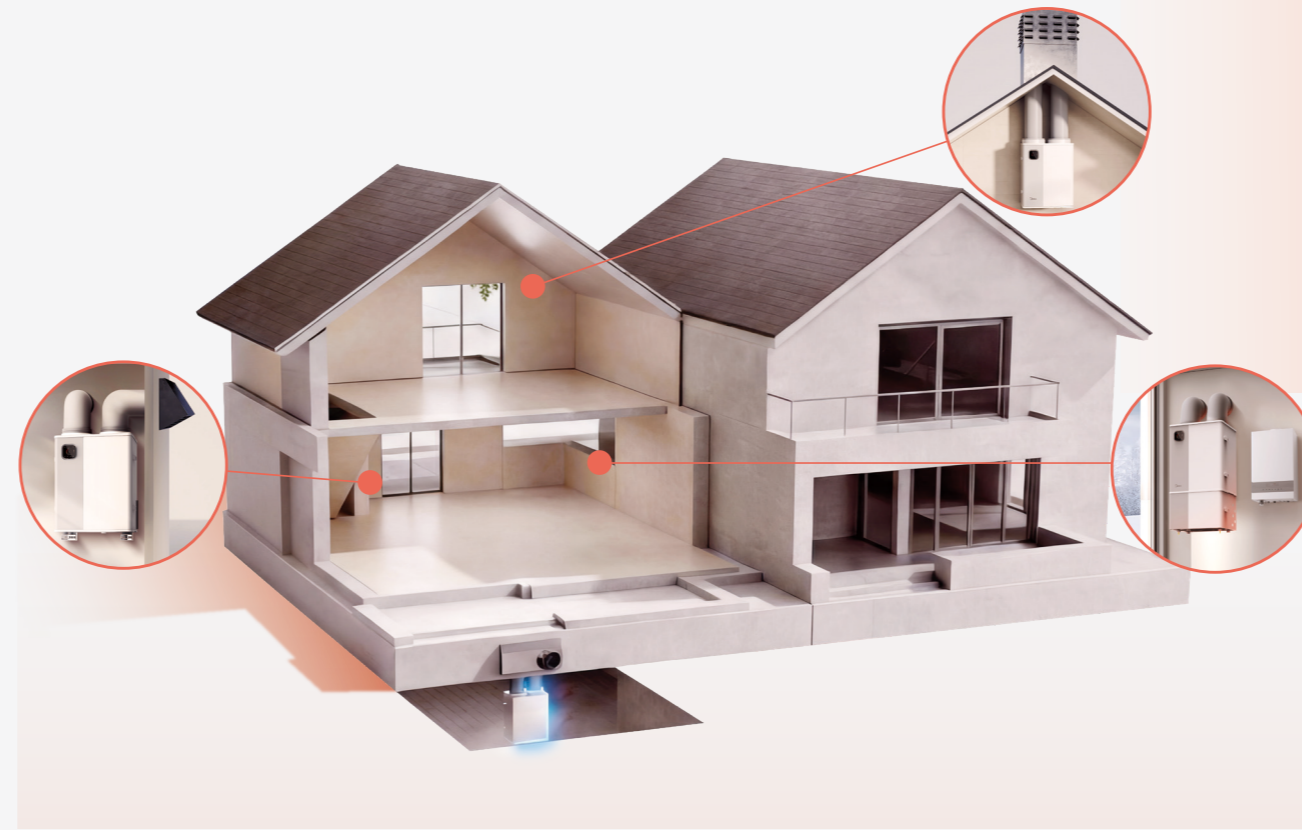


**Apartments**



**FLEXIBLE INDOOR INSTALLATION SCENARIOS**

The indoor heat pump uses two ventilation ducts connected to the outside (air inlet and outlet), They can be passed through the roof or the wall.



**EASY INSTALLATION**

Heat pump installation in just 6 easy steps. Flexibly adapt to work with existing hydronic systems. No need to change piping or radiators.



**H-PACK**

THE FUTURE OF HEATING

INDOOR | COMPACT | FLEXIBLE



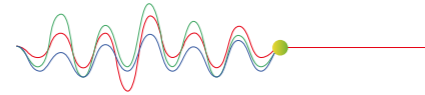
## INDOOR, COMPACT, FLEXIBLE

### Indoor Synergy

- No outdoor unit
- Easy installation
- Easy maintenance



### No noise complaints from neighbors



### The optimal energy balance

- Save money
- Save energy
- Maintain comfort



### Award-winning heating technology



### R290 Natural Refrigerant



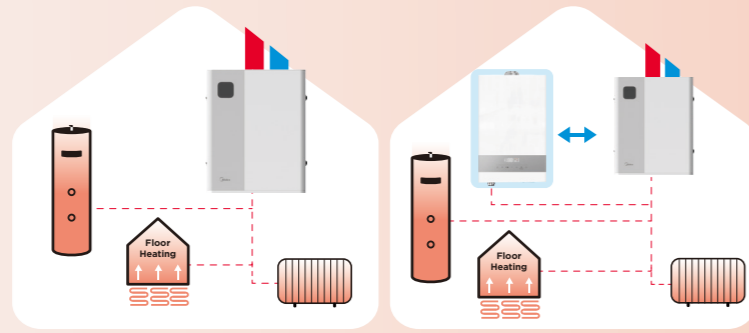
### Compact & elegant design from Milan



### Smart System Controller



## THE IDEAL ENERGY EFFICIENT AND ENVIRONMENTAL-FRIENDLY COMPACT HEAT PUMP WITHOUT OUTDOOR UNIT.



## HEATING CAPACITY

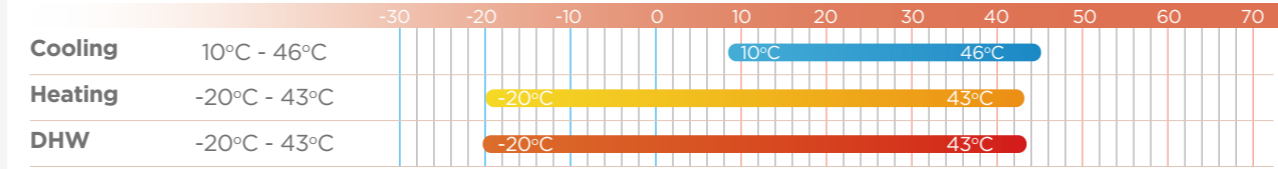
Heat pump heating capacity 5 kW and A+++ on Energy Label (for W35).

Type	H-Pack	H-Pack all electric + hydrobox	H-Pack + gas boiler	Total capacity
Power supply	220-240V -50Hz	✓		
Design	5 kW			5 kW
Power supply	220-240V -50Hz	✓	✓	
Design	5 kW	3 kW		8 kW
Power supply	220-240V -50Hz	✓		
Design	5 kW		Depending on fossil boiler	5 kW + Fossil boiler

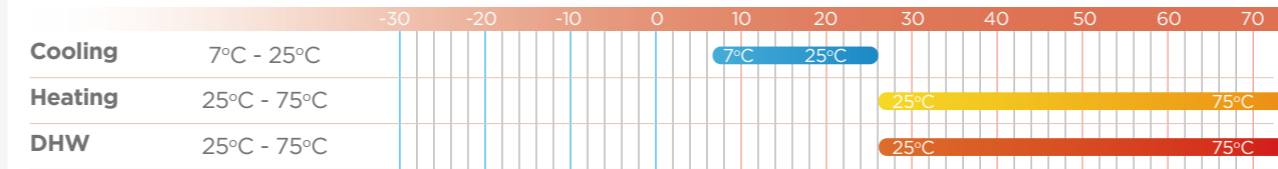
## H-PACK OPERATION RANGES 2 hydrobox version :

- (1) Full electric incl 3kW electrical heater
- (2) Hybrid incl connection and control of external boiler

Outside temperature range when using H-Pack only



H-Pack achievable water flow temperatures



## SMART CONTROL

Internal energy management system allows to see and act on energy consumption and cost. It automatically switches between heating sources depending on ambient conditions and end-user objectives (optimize cost, CO<sub>2</sub> emission).

### Part 1 System Configurations

3-way-valve & E-heater DHW



E-Heater or Fossil Boiler



Heating/Cooling



2nd Mixed Heating Zone Control



### Hybrid Communication Types Part 2

ON/OFF | 0-10V | OpenTherm



### Smart Connection Interfaces Part 3

SG | PV | EVU



Zone Controllers | Room Thermostats



The integrated monitoring functions provide a constant overview of energy consumption, performance, and efficiency. An intuitive full-color touchscreen with room temperature sensor, multilingual support, and over-the-air (OTA) updates ensures ease of use. Thanks to comprehensive control functions and integration into smart home, PV, and smart grid systems, the H-Pack is future-proof.

## Specifications

## H-Pack

Performance	Unit	Value	
Heating	Max. capacity @A7 / W35	kW	4.45
	Max. capacity @A-10 / W35	kW	4.58
	Nominal capacity @A7 / W35		3.5
	Power input @A7 / W35		0.778
	COP @A7/W35 (nominal)	/	4.5
	Pdesignh @A-7	kW	4.45
	Energy efficiency class / SCOP	/	A+++ / 4.5 (Heating average climate @W35)
	Outside Temperature working range (Heat pump only)	°C	-20 to +35
Air volume flow range	m <sup>3</sup> /h	750 to 1,300	
Power supply	1ph- / 230V / 50Hz		
Control			
Operation modes	Heating / Cooling / DHW		
Hybrid modes	Cost optimised / CO <sub>2</sub> optimised / Bivalent alternative		
Boiler communication type	ON-OFF / 0-10V / OpenTherm		
Others			
Air duct diameters	/	mm	250
Refrigerant	Charge (type)	g	570 (R290)
Sound power	Inside	dB (A)	49
	Outside		55
Sound pressure in 1 m	Inside	dB (A)	34
	Outside		48
Unit dimension	Height	mm	837
	Width		662
	Depth		489
Weight	Net Weight ( kg )	kg	78.3
	Gross Weight ( kg )		95

All data is preliminary and based on current test results.