

# PLUS **S** LINE

SMART SOLUTIONS  
TH-R290-S06-1P | 6 kW



PLUS S LINE **TH-R290-S06-1P**  
MONOBLOCK TYPE HEAT PUMP



# PLUS S LINE TH-R290-S06-1P | 6 kW

## Main advantages



function  
**SG READY**



warm water  
up to **75°C**



energy efficiency  
**A+++ and A++**



ultra eco-friendly  
refrigerant **R290**



**DTU** module  
+ **iOT** application



**5"** touch  
screen



**heating curve**  
function



**integrated**  
bracket



**unique** enclosure  
design



**inverter**  
technology

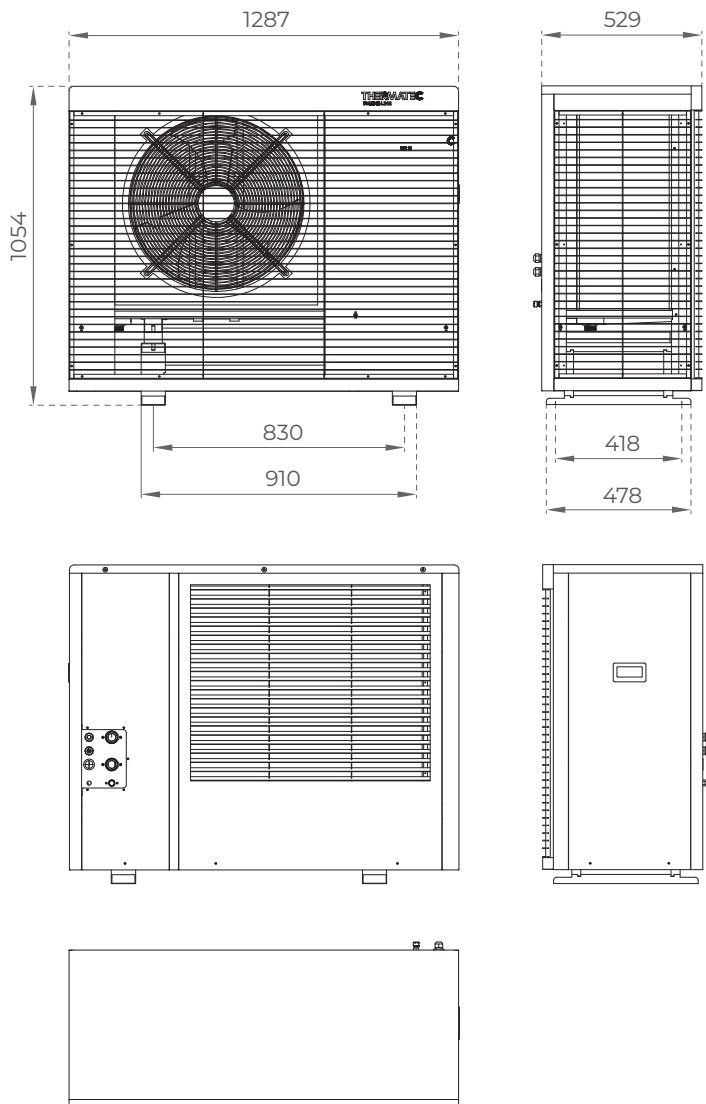


stable operation  
at **-25°C**

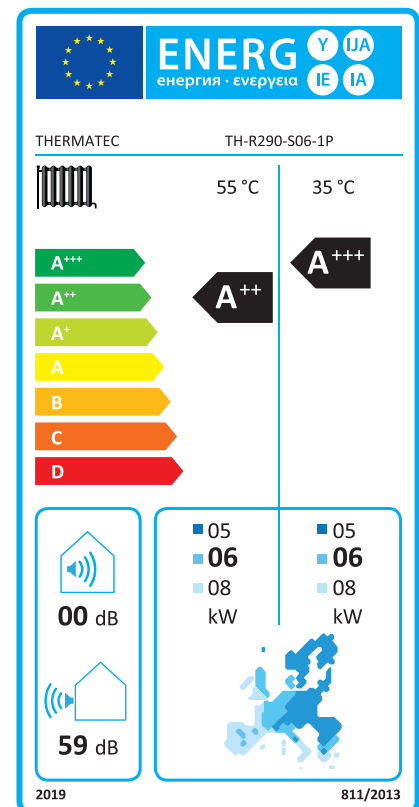


**super**  
silent

## Dimensions



## ERP Label



Energy label according to testing methods in line with the latest guidelines of the European Union directive from 11/2022:

**PN-EN 14511: 2022**  
**PN-EN 14825: 2022**

## Technical parameters

Our smallest heat pump with a power of 6 kW. This advanced device, based on the R290 refrigerant, uses external energy for heating or cooling rooms.

The device operating range 2.94 – 9.00 kW assures that the device will perfectly fit into projects of small and energy-efficient homes. Thanks to high energy efficiency, the heat pump can bring significant savings compared to traditional heating methods.



**R290**

**SECOND GENERATION**



MODEL		TH-R290-S06-1P	
Power supply			220-240V / 1N~ / 50Hz
Input power		kW	6
Heating (A7/W35)	heating capacity range	kW	2.94 – 9.00
	input power	kW	0.61 – 2.11
	input current	A	2.80 – 9.25
	COP	kW/kW	4.27 – 4.82
Heating (A7/W55)	heating capacity range	kW	3.10 – 8.12
	input power	kW	1.03 – 2.92
	input current	A	4.57 – 12.79
	COP	kW/kW	2.78 – 3.01
Cooling (A35/W12)	cooling capacity range	kW	1.42 – 5.69
	input power	kW	0.67 – 2.44
	input current	A	3.06 – 10.27
SCOP average (THW at 35°C)		kWh/kWh	4.80
SCOP average (THW at 55°C)		kWh/kWh	3.67
Rated input power		kW	3.50
Rated input current		A	15
Refrigerant TYPE / CHARGE / GWP		- / kg / -	R290 / 0.55 / 3
CO <sub>2</sub> equivalent		TCO <sub>2</sub> eq	0.0017
Operation pressure (low side)		MPa	0.8
Operation pressure (high side)		MPa	3.0
Maximum allowable pressure		MPa	3.2
Electrical shockproof		Class	I
Ingress protection		IP	IPX4
Maximum outlet water temperature		°C	75
Operating ambient temperature		°C	-25 ~ 45
Water piping connections		cal	G1
Rated water flow		m <sup>3</sup> /h	1.0
Water pressure drop		kPa	20
Water pressure (min. – max.)		MPa	0.1 – 0.3
Sound pressure (1 m)		dB(A)	44
Net dimensions (L x W x H)		mm	1287 x 529 x 1054
Net weight		kg	150
Bracket		YES	integrated

### NOMINAL TEST CONDITIONS

Heating (A7/W35): Outdoor temperature 7°C/6°C (DB/WB) Water inlet/outlet 30°C/35°C  
 Heating (A7/W55): Outdoor temperature 7°C/6°C (DB/WB) Water inlet/outlet 47°C/55°C  
 Cooling (A35/W12): Outdoor temperature 35°C/24°C (DB/WB) Water inlet/outlet 12°C/7°C

DISTRIBUTOR'S STAMP



**THERMATEC | Home Star sp. z o.o.**  
Misjonarzy Oblatów MN 20A  
40-129 Katowice, Polska [Poland]

Office: (+48) 32 722 02 03  
Mobile Phone: (+48) 533 222 223  
biuro@thermatec.pl

**TH-R290-S06-1P | 6 kW**

[www.thermatec.eu](http://www.thermatec.eu) | [www.thermatec.pl](http://www.thermatec.pl) | [www.thermatec.cz](http://www.thermatec.cz) | [www.thermatec.fi](http://www.thermatec.fi) | [www.thermatec.nl](http://www.thermatec.nl)