

PLUS **S** LINE

SMART SOLUTIONS
TH-R290-S10-3P | 10 kW



PLUS S LINE **TH-R290-S10-3P**
MONOBLOCK TYPE HEAT PUMP



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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

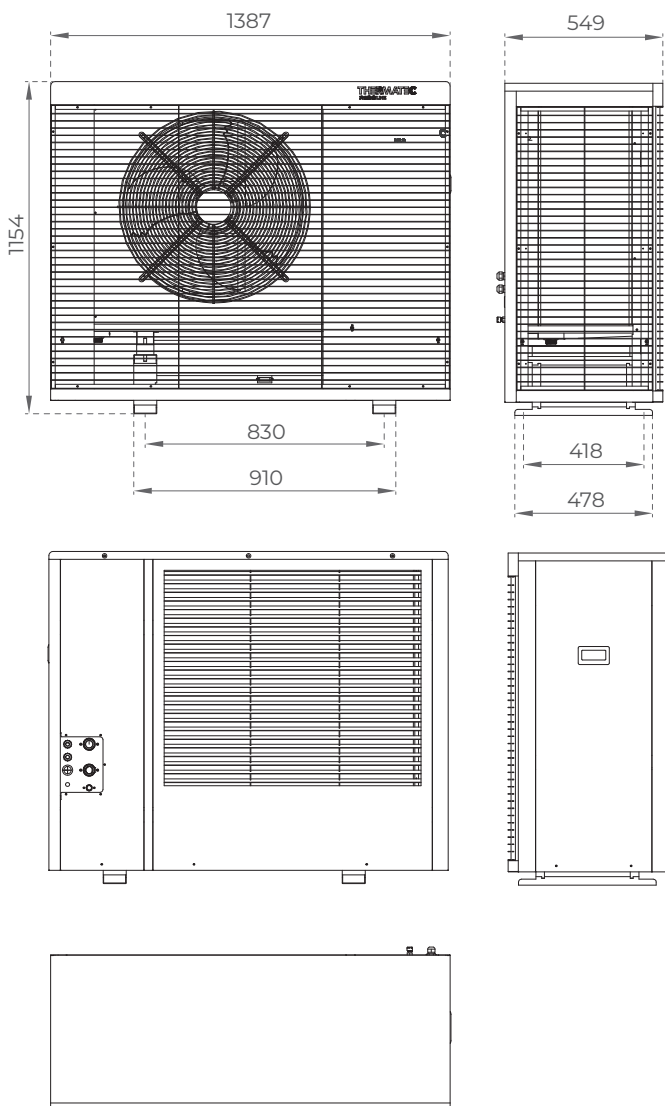


stable operation
at **-25°C**

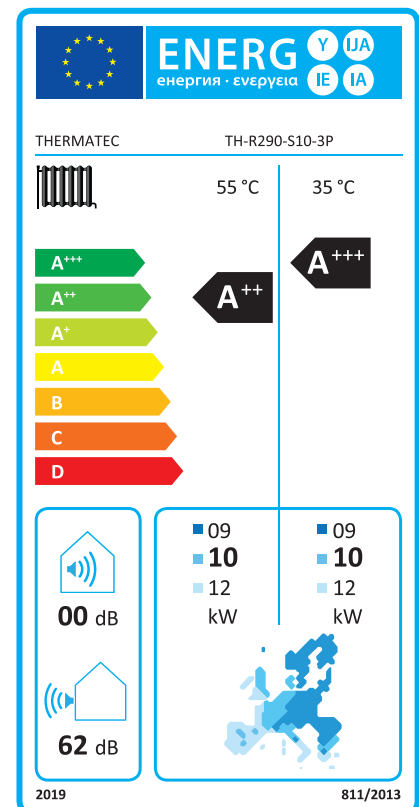


super
silent

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 heat pump 10 kW is an advanced device that provides efficient and eco-friendly heating or cooling of rooms. This high-performance heat pump operates within the range 4.32 – 15.00 kW. It is ideal for larger rooms or buildings, providing comfortable thermal conditions.

It is equipped with advanced technologies that ensure high energy efficiency and minimal energy consumption. This can result in significant savings compared to traditional heating systems.



R290

SECOND GENERATION



MODEL		TH-R290-S10-3P	
Power supply			380-415V / 3N~ / 50Hz
Input power		kW	10
Heating (A7/W35)	heating capacity range	kW	4.32 – 15.00
	input power	kW	0.87 – 3.73
	input current	A	1.78 – 6.04
	COP	kW/kW	4.02 – 4.97
Heating (A7/W55)	heating capacity range	kW	4.23 – 14.53
	input power	kW	1.45 – 4.28
	input current	A	2.84 – 6.78
	COP	kW/kW	2.92 – 3.39
Cooling (A35/W12)	cooling capacity range	kW	3.66 – 11.01
	input power	kW	1.12 – 3.97
	input current	A	1.97 – 6.30
SCOP average (THW at 35°C)		kWh/kWh	4.70
SCOP average (THW at 55°C)		kWh/kWh	3.62
Rated input power		kW	5.85
Rated input current		A	10
Refrigerant TYPE / CHARGE / GWP		- / kg / -	R290 / 1.05 / 3
CO ₂ equivalent		TCO ₂ eq	0.0032
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 ³ /h	1.72
Water pressure drop		kPa	20
Water pressure (min. – max.)		MPa	0.1 – 0.3
Sound pressure (1 m)		dB(A)	46
Net dimensions (L x W x H)		mm	1387 x 549 x 1154
Net weight		kg	170
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



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