

## Subtype THERMOR PERFECO M 18

Certificate Holder	Groupe Atlantic
Address	Rue des Fondateurs BP 64
ZIP	59660
City	Merville
Country	FR
Certification Body	RISE CERT
Subtype title	THERMOR PERFECO M 18
Registration number	012-C700420
Heat Pump Type	Outdoor Air/Water
Refrigerant	R290
Mass of Refrigerant	1.25 kg
Certification Date	16.09.2025
Testing basis	EN 14511:2022, EN 14825:2022, EN 12102:2022
Testing laboratory	CETIAT, FR

## Model THERMOR PERFECO M 18

Model name	THERMOR PERFECO M 18
Application	Heating (medium temp)
Units	Outdoor
Climate zone (for heating)	n/a
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

### General data

Power supply	1x230V 50Hz
Off-peak product	n/a

### Outdoor Air/Water

#### EN 14511-4 | Heating

Shutting off the heat transfer medium flow passed

Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

#### EN 14511-2 | Heating

	Low temperature	Medium temperature
Heat output	16.13 kW	15.44 kW
El input	3.59 kW	5.36 kW
COP	4.49	2.88

#### EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level outdoor	59 dB(A)	59 dB(A)

#### EN 14825 | Average Climate

	Low temperature	Medium temperature
$\eta_s$	175 %	141 %
Prated	14.80 kW	14.20 kW
SCOP	4.45	3.61
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	13.10 kW	12.60 kW
COP Tj = -7°C	3.05	2.23
Cdh Tj = -7 °C	0.990	0.990
Pdh Tj = +2°C	8.00 kW	7.60 kW
COP Tj = +2°C	4.30	3.56
Cdh Tj = +2 °C	0.990	0.990
Pdh Tj = +7°C	5.70 kW	5.60 kW
COP Tj = +7°C	6.06	4.76

Cdh Tj = +7 °C	0.980	0.990
Pdh Tj = 12°C	6.10 kW	6.10 kW
COP Tj = 12°C	6.90	5.64
Cdh Tj = +12 °C	0.980	0.990
Pdh Tj = Tbiv	13.10 kW	12.60 kW
COP Tj = Tbiv	3.05	2.23
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.40 kW	11.60 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.14	1.98
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.990	0.990
WTOL	75 °C	75 °C
Poff	6 W	6 W
PTO	10 W	10 W
PSB	6 W	6 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	6.40 kW	2.60 kW
Annual energy consumption Qhe	6866 kWh	8128 kWh

## Model THERMOR PERFECO M 18 TRI

Model name	THERMOR PERFECO M 18 TRI
Application	Heating (medium temp)
Units	Outdoor
Climate zone (for heating)	n/a
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

## General data

Power supply	3x400V 50Hz
Off-peak product	n/a

## Outdoor Air/Water

## EN 14511-4 | Heating

Shutting off the heat transfer medium flow passed

Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

## EN 14511-2 | Heating

	Low temperature	Medium temperature
Heat output	16.13 kW	15.44 kW
El input	3.59 kW	5.36 kW
COP	4.49	2.88

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