

Subtype THERMOR AUREA 2 size 5 and 7 R290

Certificate Holder	Groupe Atlantic
Address	Rue des Fondeurs BP 64
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City	Merville
Country	FR
Certification Body	RISE CERT
Subtype title	THERMOR AUREA 2 size 5 and 7 R290
Registration number	012-C700422
Heat Pump Type	Outdoor Air/Water
Refrigerant	R290
Mass of Refrigerant	0.9 kg
Certification Date	23.09.2025
Testing basis	EN 14511:2022, EN 14825:2022, EN 16147:2017+A1:2022, EN 12102:2022
Testing laboratory	ACTA INDUSTRIE - Laboratoire Acoustique et Climatique

**Model THERMOR AUREA 2 M5**

Model name	THERMOR AUREA 2 M5
Application	Heating (medium temp)
Units	Indoor, Outdoor
Climate zone (for heating)	Warmer Climate
Reversibility	Yes
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	7.87 kW	7.47 kW
El input	1.60 kW	2.32 kW
COP	4.91	3.22

**EN 12102-1 | Average Climate**

	Low temperature	Medium temperature
Sound power level indoor	36 dB(A)	36 dB(A)
Sound power level outdoor	55 dB(A)	55 dB(A)

**EN 14825 | Average Climate**

	Low temperature	Medium temperature
$\eta_s$	178 %	141 %
Prated	7.40 kW	7.00 kW
SCOP	4.53	3.61
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.60 kW	6.20 kW
COP Tj = -7°C	2.70	2.21
Cdh Tj = -7 °C	0.990	0.990
Pdh Tj = +2°C	4.00 kW	3.80 kW
COP Tj = +2°C	4.44	3.39
Cdh Tj = +2 °C	0.980	0.980

Pdh Tj = +7°C	2.90 kW	2.80 kW
COP Tj = +7°C	6.58	5.14
Cdh Tj = +7 °C	0.960	0.970
Pdh Tj = 12°C	2.90 kW	3.40 kW
COP Tj = 12°C	6.73	6.60
Cdh Tj = +12 °C	0.960	0.970
Pdh Tj = Tbiv	6.60 kW	6.20 kW
COP Tj = Tbiv	2.70	2.21
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.30 kW	5.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.22	1.93
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.990	0.990
WTOL	75 °C	75 °C
Poff	9 W	9 W
PTO	18 W	18 W
PSB	9 W	9 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	2.10 kW	1.10 kW
Annual energy consumption Qhe	3375 kWh	4008 kWh

**EN 12102-1 | Warmer Climate**

	Low temperature	Medium temperature
Sound power level indoor	36 dB(A)	36 dB(A)
Sound power level outdoor	55 dB(A)	55 dB(A)

**EN 14825 | Warmer Climate**

	Low temperature	Medium temperature
ηs	232 %	184 %
Prated	6.50 kW	6.60 kW
SCOP	5.86	4.68
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	6.50 kW	6.60 kW
COP Tj = +2°C	3.20	2.48
Cdh Tj = +2 °C	0.990	0.990
Pdh Tj = +7°C	4.20 kW	4.20 kW
COP Tj = +7°C	5.62	3.92
Cdh Tj = +7 °C	0.980	0.980
Pdh Tj = 12°C	3.00 kW	3.70 kW
COP Tj = 12°C	6.93	6.35
Cdh Tj = +12 °C	0.960	0.970
Pdh Tj = Tbiv	6.50 kW	6.60 kW
COP Tj = Tbiv	3.20	2.48

Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.50 kW	6.60 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.20	2.48
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.990	0.990
WTOL	75 °C	75 °C
Poff	9 W	9 W
PTO	18 W	18 W
PSB	9 W	9 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1481 kWh	1882 kWh

**Model THERMOR AUREA COMPACT 2 - 5**

Model name	THERMOR AUREA COMPACT 2 - 5
Application	Heating (medium temp)
Units	Outdoor
Climate zone (for heating)	Warmer Climate
Reversibility	Yes
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	7.95 kW	7.62 kW
El input	1.57 kW	2.30 kW
COP	5.05	3.31

**EN 12102-1 | Average Climate**

	Low temperature	Medium temperature
Sound power level outdoor	55 dB(A)	55 dB(A)

**EN 14825 | Average Climate**

	Low temperature	Medium temperature
$\eta_s$	185 %	148 %
Prated	7.40 kW	7.20 kW
SCOP	4.69	3.77
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.60 kW	6.40 kW
COP Tj = -7°C	2.75	2.27
Cdh Tj = -7 °C	0.990	0.990
Pdh Tj = +2°C	4.00 kW	3.90 kW
COP Tj = +2°C	4.59	3.54
Cdh Tj = +2 °C	0.980	0.990
Pdh Tj = +7°C	3.00 kW	2.90 kW

COP Tj = +7°C	6.93	5.44
Cdh Tj = +7 °C	0.960	0.970
Pdh Tj = 12°C	2.90 kW	3.40 kW
COP Tj = 12°C	7.07	6.98
Cdh Tj = +12 °C	0.960	0.970
Pdh Tj = Tbiv	6.60 kW	6.40 kW
COP Tj = Tbiv	2.75	2.27
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.40 kW	6.10 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.33	2.07
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.990	0.990
WTOL	75 °C	75 °C
Poff	9 W	9 W
PTO	16 W	16 W
PSB	9 W	9 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	2.00 kW	1.10 kW
Annual energy consumption Qhe	3257 kWh	3943 kWh

**EN 12102-1 | Warmer Climate**

	Low temperature	Medium temperature
Sound power level outdoor	55 dB(A)	55 dB(A)

**EN 14825 | Warmer Climate**

	Low temperature	Medium temperature
ηs	244 %	193 %
Prated	6.60 kW	6.70 kW
SCOP	6.17	4.91
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	6.60 kW	6.70 kW
COP Tj = +2°C	3.28	2.56
Cdh Tj = +2 °C	0.980	0.990
Pdh Tj = +7°C	4.20 kW	4.30 kW
COP Tj = +7°C	5.87	4.09
Cdh Tj = +7 °C	0.980	0.980
Pdh Tj = 12°C	3.00 kW	3.80 kW
COP Tj = 12°C	7.36	6.69
Cdh Tj = +12 °C	0.960	0.970
Pdh Tj = Tbiv	6.60 kW	6.70 kW
COP Tj = Tbiv	3.28	2.56
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.60 kW	6.70 kW

COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.28	2.56
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.990	0.990
WTOL	75 °C	75 °C
Poff	9 W	9 W
PTO	16 W	16 W
PSB	9 W	9 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1429 kWh	1824 kWh

**Model THERMOR AUREA COMPACT 2 - 7**

Model name	THERMOR AUREA COMPACT 2 - 7
Application	Heating (medium temp)
Units	Outdoor
Climate zone (for heating)	Warmer Climate
Reversibility	Yes
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	8.62 kW	9.58 kW
El input	1.72 kW	2.99 kW
COP	5.02	3.20

**EN 12102-1 | Average Climate**

	Low temperature	Medium temperature
Sound power level outdoor	55 dB(A)	55 dB(A)

**EN 14825 | Average Climate**

	Low temperature	Medium temperature
$\eta_s$	193 %	148 %
Prated	9.00 kW	7.20 kW
SCOP	4.90	3.77
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	8.00 kW	6.40 kW
COP Tj = -7°C	3.13	2.27
Cdh Tj = -7 °C	0.990	0.990
Pdh Tj = +2°C	4.90 kW	3.90 kW
COP Tj = +2°C	4.66	3.54
Cdh Tj = +2 °C	0.980	0.990
Pdh Tj = +7°C	3.10 kW	2.90 kW

COP Tj = +7°C	6.90	5.44
Cdh Tj = +7 °C	0.960	0.970
Pdh Tj = 12°C	2.90 kW	3.40 kW
COP Tj = 12°C	7.49	6.98
Cdh Tj = +12 °C	0.960	0.970
Pdh Tj = Tbiv	8.00 kW	6.40 kW
COP Tj = Tbiv	3.13	2.27
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.30 kW	6.10 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.82	2.07
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.990	0.990
WTOL	75 °C	75 °C
Poff	9 W	9 W
PTO	16 W	16 W
PSB	9 W	9 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.70 kW	1.10 kW
Annual energy consumption Qhe	3797 kWh	3943 kWh

**EN 12102-1 | Warmer Climate**

	Low temperature	Medium temperature
Sound power level outdoor	55 dB(A)	55 dB(A)

**EN 14825 | Warmer Climate**

	Low temperature	Medium temperature
ηs	244 %	193 %
Prated	6.60 kW	6.70 kW
SCOP	6.17	4.91
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	6.60 kW	6.70 kW
COP Tj = +2°C	3.28	2.56
Cdh Tj = +2 °C	0.980	0.990
Pdh Tj = +7°C	4.20 kW	4.30 kW
COP Tj = +7°C	5.87	4.09
Cdh Tj = +7 °C	0.980	0.980
Pdh Tj = 12°C	3.00 kW	3.80 kW
COP Tj = 12°C	7.36	6.69
Cdh Tj = +12 °C	0.960	0.970
Pdh Tj = Tbiv	6.60 kW	6.70 kW
COP Tj = Tbiv	3.28	2.56
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.60 kW	6.70 kW

COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.28	2.56
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.990	0.990
WTOL	75 °C	75 °C
Poff	9 W	9 W
PTO	16 W	16 W
PSB	9 W	9 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1429 kWh	1824 kWh

**Model THERMOR AUREA 2 M7**

Model name	THERMOR AUREA 2 M7
Application	Heating (medium temp)
Units	Indoor, Outdoor
Climate zone (for heating)	Warmer Climate
Reversibility	Yes
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	8.55 kW	9.44 kW
El input	1.75 kW	3.01 kW
COP	4.88	3.14

**EN 12102-1 | Average Climate**

	Low temperature	Medium temperature
Sound power level indoor	36 dB(A)	36 dB(A)
Sound power level outdoor	55 dB(A)	55 dB(A)

**EN 14825 | Average Climate**

	Low temperature	Medium temperature
$\eta_s$	186 %	141 %
P <sub>rated</sub>	8.90 kW	7.00 kW
SCOP	4.73	3.61
T <sub>biv</sub>	-7 °C	-7 °C
T <sub>OL</sub>	-10 °C	-10 °C
P <sub>dh</sub> T <sub>j</sub> = -7 °C	7.90 kW	6.20 kW
COP T <sub>j</sub> = -7 °C	3.05	2.21
C <sub>dh</sub> T <sub>j</sub> = -7 °C	0.990	0.990
P <sub>dh</sub> T <sub>j</sub> = +2 °C	4.80 kW	3.80 kW
COP T <sub>j</sub> = +2 °C	4.54	3.39
C <sub>dh</sub> T <sub>j</sub> = +2 °C	0.980	0.980

Pdh Tj = +7°C	3.10 kW	2.80 kW
COP Tj = +7°C	6.52	5.14
Cdh Tj = +7 °C	0.960	0.970
Pdh Tj = 12°C	2.90 kW	3.40 kW
COP Tj = 12°C	7.03	6.60
Cdh Tj = +12 °C	0.960	0.970
Pdh Tj = Tbiv	7.90 kW	6.20 kW
COP Tj = Tbiv	3.05	2.21
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.20 kW	5.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.75	1.93
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.990	0.990
WTOL	75 °C	75 °C
Poff	9 W	9 W
PTO	18 W	18 W
PSB	9 W	9 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.70 kW	1.10 kW
Annual energy consumption Qhe	3890 kWh	4008 kWh

**EN 12102-1 | Warmer Climate**

	Low temperature	Medium temperature
Sound power level indoor	36 dB(A)	36 dB(A)
Sound power level outdoor	55 dB(A)	55 dB(A)

**EN 14825 | Warmer Climate**

	Low temperature	Medium temperature
ηs	232 %	184 %
Prated	6.50 kW	6.60 kW
SCOP	5.86	4.68
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	6.50 kW	6.60 kW
COP Tj = +2°C	3.20	2.48
Cdh Tj = +2 °C	0.990	0.990
Pdh Tj = +7°C	4.20 kW	4.20 kW
COP Tj = +7°C	5.62	3.92
Cdh Tj = +7 °C	0.980	0.980
Pdh Tj = 12°C	3.00 kW	3.70 kW
COP Tj = 12°C	6.93	6.35
Cdh Tj = +12 °C	0.960	0.970
Pdh Tj = Tbiv	6.50 kW	6.60 kW
COP Tj = Tbiv	3.20	2.48

Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.50 kW	6.60 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.20	2.48
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.990	0.990
WTOL	75 °C	75 °C
Poff	9 W	9 W
PTO	18 W	18 W
PSB	9 W	9 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1481 kWh	1882 kWh

**Model THERMOR AUREA COMPACT 2 -7 TRI**

Model name	THERMOR AUREA COMPACT 2 -7 TRI
Application	Heating (medium temp)
Units	Outdoor
Climate zone (for heating)	Warmer Climate
Reversibility	Yes
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	8.62 kW	9.58 kW
El input	1.72 kW	2.99 kW
COP	5.02	3.20

**EN 12102-1 | Average Climate**

	Low temperature	Medium temperature
Sound power level outdoor	55 dB(A)	55 dB(A)

**EN 14825 | Average Climate**

	Low temperature	Medium temperature
$\eta_s$	193 %	148 %
Prated	9.00 kW	7.20 kW
SCOP	4.90	3.77
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	8.00 kW	6.40 kW
COP Tj = -7°C	3.13	2.27
Cdh Tj = -7 °C	0.990	0.990
Pdh Tj = +2°C	4.90 kW	3.90 kW
COP Tj = +2°C	4.66	3.54
Cdh Tj = +2 °C	0.980	0.990
Pdh Tj = +7°C	3.10 kW	2.90 kW

COP Tj = +7°C	6.90	5.44
Cdh Tj = +7 °C	0.960	0.970
Pdh Tj = 12°C	2.90 kW	3.40 kW
COP Tj = 12°C	7.49	6.98
Cdh Tj = +12 °C	0.960	0.970
Pdh Tj = Tbiv	8.00 kW	6.40 kW
COP Tj = Tbiv	3.13	2.27
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.30 kW	6.10 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.82	2.07
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.990	0.990
WTOL	75 °C	75 °C
Poff	9 W	9 W
PTO	16 W	16 W
PSB	9 W	9 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.70 kW	1.10 kW
Annual energy consumption Qhe	3797 kWh	3943 kWh

**EN 12102-1 | Warmer Climate**

	Low temperature	Medium temperature
Sound power level outdoor	55 dB(A)	55 dB(A)

**EN 14825 | Warmer Climate**

	Low temperature	Medium temperature
ηs	244 %	193 %
Prated	6.60 kW	6.70 kW
SCOP	6.17	4.91
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	6.60 kW	6.70 kW
COP Tj = +2°C	3.28	2.56
Cdh Tj = +2 °C	0.980	0.990
Pdh Tj = +7°C	4.20 kW	4.30 kW
COP Tj = +7°C	5.87	4.09
Cdh Tj = +7 °C	0.980	0.980
Pdh Tj = 12°C	3.00 kW	3.80 kW
COP Tj = 12°C	7.36	6.69
Cdh Tj = +12 °C	0.960	0.970
Pdh Tj = Tbiv	6.60 kW	6.70 kW
COP Tj = Tbiv	3.28	2.56
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.60 kW	6.70 kW

COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.28	2.56
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.990	0.990
WTOL	75 °C	75 °C
Poff	9 W	9 W
PTO	16 W	16 W
PSB	9 W	9 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1429 kWh	1824 kWh

**Model THERMOR AUREA 2 DUO 5**

Model name	THERMOR AUREA 2 DUO 5
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	Warmer Climate
Reversibility	Yes
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 16147 | Average Climate**

Declared load profile	L
Efficiency $\eta_{DHW}$	122 %
COP	3.05
Heating up time	01:25 h:min
Standby power input	40.0 W
Reference hot water temperature	55.0 °C
Mixed water at 40°C	230 l

**EN 16147 | Warmer Climate**

Declared load profile	L
Efficiency $\eta_{DHW}$	136 %
COP	3.40
Heating up time	1:10 h:min
Standby power input	38.0 W
Reference hot water temperature	55.0 °C
Mixed water at 40°C	230 l

**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	7.87 kW	7.47 kW
El input	1.60 kW	2.32 kW
COP	4.91	3.22

**EN 12102-1 | Average Climate**

	Low temperature	Medium temperature
Sound power level indoor	36 dB(A)	36 dB(A)
Sound power level outdoor	55 dB(A)	55 dB(A)

**EN 14825 | Average Climate**

	Low temperature	Medium temperature
$\eta_S$	178 %	141 %
P <sub>rated</sub>	7.40 kW	7.00 kW
SCOP	4.53	3.61
T <sub>biv</sub>	-7 °C	-7 °C
T <sub>OL</sub>	-10 °C	-10 °C
P <sub>dh</sub> T <sub>j</sub> = -7°C	6.60 kW	6.20 kW
COP T <sub>j</sub> = -7°C	2.70	2.21
Cd <sub>h</sub> T <sub>j</sub> = -7 °C	0.990	0.990
P <sub>dh</sub> T <sub>j</sub> = +2°C	4.00 kW	3.80 kW
COP T <sub>j</sub> = +2°C	4.44	3.39
Cd <sub>h</sub> T <sub>j</sub> = +2 °C	0.980	0.980
P <sub>dh</sub> T <sub>j</sub> = +7°C	2.90 kW	2.80 kW
COP T <sub>j</sub> = +7°C	6.58	5.14
Cd <sub>h</sub> T <sub>j</sub> = +7 °C	0.960	0.970
P <sub>dh</sub> T <sub>j</sub> = 12°C	2.90 kW	3.40 kW
COP T <sub>j</sub> = 12°C	6.73	6.60
Cd <sub>h</sub> T <sub>j</sub> = +12 °C	0.960	0.970
P <sub>dh</sub> T <sub>j</sub> = T <sub>biv</sub>	6.60 kW	6.20 kW
COP T <sub>j</sub> = T <sub>biv</sub>	2.70	2.21
P <sub>dh</sub> T <sub>j</sub> = T <sub>OL</sub> or P <sub>dh</sub> T <sub>j</sub> = T <sub>designh</sub> if T <sub>OL</sub> < T <sub>designh</sub>	5.30 kW	5.90 kW
COP T <sub>j</sub> = T <sub>OL</sub> or COP T <sub>j</sub> = T <sub>designh</sub> if T <sub>OL</sub> < T <sub>designh</sub>	2.22	1.93
Cd <sub>h</sub> T <sub>j</sub> = T <sub>OL</sub> or P <sub>dh</sub> T <sub>j</sub> = T <sub>designh</sub> if T <sub>OL</sub> < T <sub>designh</sub>	0.990	0.990
WT <sub>OL</sub>	75 °C	75 °C
P <sub>off</sub>	9 W	9 W
PTO	18 W	18 W
PSB	9 W	9 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	2.10 kW	1.10 kW
Annual energy consumption Q <sub>he</sub>	3375 kWh	4008 kWh

**EN 12102-1 | Warmer Climate**

	Low temperature	Medium temperature
Sound power level indoor	36 dB(A)	36 dB(A)
Sound power level outdoor	55 dB(A)	55 dB(A)

**EN 14825 | Warmer Climate**

	Low temperature	Medium temperature
$\eta_s$	232 %	184 %
Prated	6.50 kW	6.60 kW
SCOP	5.86	4.68
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	6.50 kW	6.60 kW
COP Tj = +2°C	3.20	2.48
Cdh Tj = +2 °C	0.990	0.990
Pdh Tj = +7°C	4.20 kW	4.20 kW
COP Tj = +7°C	5.62	3.92
Cdh Tj = +7 °C	0.980	0.980
Pdh Tj = 12°C	3.00 kW	3.70 kW
COP Tj = 12°C	6.93	6.35
Cdh Tj = +12 °C	0.960	0.970
Pdh Tj = Tbiv	6.50 kW	6.60 kW
COP Tj = Tbiv	3.20	2.48
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.50 kW	6.60 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.20	2.48
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.990	0.990
WTOL	75 °C	75 °C
Poff	9 W	9 W
PTO	18 W	18 W
PSB	9 W	9 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1481 kWh	1882 kWh

**Model THERMOR AUREA 2 M7 TRI**

Model name	THERMOR AUREA 2 M7 TRI
Application	Heating (medium temp)
Units	Indoor, Outdoor
Climate zone (for heating)	Warmer Climate
Reversibility	Yes
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	8.55 kW	9.44 kW
El input	1.75 kW	3.01 kW
COP	4.88	3.14

**EN 12102-1 | Average Climate**

	Low temperature	Medium temperature
Sound power level indoor	36 dB(A)	36 dB(A)
Sound power level outdoor	55 dB(A)	55 dB(A)

**EN 14825 | Average Climate**

	Low temperature	Medium temperature
$\eta_s$	186 %	141 %
P <sub>rated</sub>	8.90 kW	7.00 kW
SCOP	4.73	3.61
T <sub>biv</sub>	-7 °C	-7 °C
T <sub>OL</sub>	-10 °C	-10 °C
P <sub>dh</sub> T <sub>j</sub> = -7 °C	7.90 kW	6.20 kW
COP T <sub>j</sub> = -7 °C	3.05	2.21
C <sub>dh</sub> T <sub>j</sub> = -7 °C	0.990	0.990
P <sub>dh</sub> T <sub>j</sub> = +2 °C	4.80 kW	3.80 kW
COP T <sub>j</sub> = +2 °C	4.54	3.39
C <sub>dh</sub> T <sub>j</sub> = +2 °C	0.980	0.980

Pdh Tj = +7°C	3.10 kW	2.80 kW
COP Tj = +7°C	6.52	5.14
Cdh Tj = +7 °C	0.960	0.970
Pdh Tj = 12°C	2.90 kW	3.40 kW
COP Tj = 12°C	7.03	6.60
Cdh Tj = +12 °C	0.960	0.970
Pdh Tj = Tbiv	7.90 kW	6.20 kW
COP Tj = Tbiv	3.05	2.21
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.20 kW	5.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.75	1.93
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.990	0.990
WTOL	75 °C	75 °C
Poff	9 W	9 W
PTO	18 W	18 W
PSB	9 W	9 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.70 kW	1.10 kW
Annual energy consumption Qhe	3890 kWh	4008 kWh

**EN 12102-1 | Warmer Climate**

	Low temperature	Medium temperature
Sound power level indoor	36 dB(A)	36 dB(A)
Sound power level outdoor	55 dB(A)	55 dB(A)

**EN 14825 | Warmer Climate**

	Low temperature	Medium temperature
ηs	232 %	184 %
Prated	6.50 kW	6.60 kW
SCOP	5.86	4.68
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	6.50 kW	6.60 kW
COP Tj = +2°C	3.20	2.48
Cdh Tj = +2 °C	0.990	0.990
Pdh Tj = +7°C	4.20 kW	4.20 kW
COP Tj = +7°C	5.62	3.92
Cdh Tj = +7 °C	0.980	0.980
Pdh Tj = 12°C	3.00 kW	3.70 kW
COP Tj = 12°C	6.93	6.35
Cdh Tj = +12 °C	0.960	0.970
Pdh Tj = Tbiv	6.50 kW	6.60 kW
COP Tj = Tbiv	3.20	2.48

Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.50 kW	6.60 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.20	2.48
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.990	0.990
WTOL	75 °C	75 °C
Poff	9 W	9 W
PTO	18 W	18 W
PSB	9 W	9 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1481 kWh	1882 kWh

**Model THERMOR AUREA 2 DUO 7**

Model name	THERMOR AUREA 2 DUO 7
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	Warmer Climate
Reversibility	Yes
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 16147 | Average Climate**

Declared load profile	L
Efficiency $\eta_{DHW}$	122 %
COP	3.05
Heating up time	01:25 h:min
Standby power input	40.0 W
Reference hot water temperature	55.0 °C
Mixed water at 40°C	230 l

**EN 16147 | Warmer Climate**

Declared load profile	L
Efficiency $\eta_{DHW}$	134 %
COP	3.40
Heating up time	1:10 h:min
Standby power input	38.0 W
Reference hot water temperature	55.0 °C
Mixed water at 40°C	230 l

**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	8.55 kW	9.44 kW
El input	1.75 kW	3.01 kW
COP	4.88	3.14

**EN 12102-1 | Average Climate**

	Low temperature	Medium temperature
Sound power level indoor	36 dB(A)	36 dB(A)
Sound power level outdoor	55 dB(A)	55 dB(A)

**EN 14825 | Average Climate**

	Low temperature	Medium temperature
$\eta_S$	186 %	141 %
P <sub>rated</sub>	8.90 kW	7.00 kW
SCOP	4.73	3.61
T <sub>biv</sub>	-7 °C	-7 °C
T <sub>OL</sub>	-10 °C	-10 °C
P <sub>dh</sub> T <sub>j</sub> = -7°C	7.90 kW	6.20 kW
COP T <sub>j</sub> = -7°C	3.05	2.21
C <sub>dh</sub> T <sub>j</sub> = -7 °C	0.990	0.990
P <sub>dh</sub> T <sub>j</sub> = +2°C	4.80 kW	3.80 kW
COP T <sub>j</sub> = +2°C	4.54	3.39
C <sub>dh</sub> T <sub>j</sub> = +2 °C	0.980	0.980
P <sub>dh</sub> T <sub>j</sub> = +7°C	3.10 kW	2.80 kW
COP T <sub>j</sub> = +7°C	6.52	5.14
C <sub>dh</sub> T <sub>j</sub> = +7 °C	0.960	0.970
P <sub>dh</sub> T <sub>j</sub> = 12°C	2.90 kW	3.40 kW
COP T <sub>j</sub> = 12°C	7.03	6.60
C <sub>dh</sub> T <sub>j</sub> = +12 °C	0.960	0.970
P <sub>dh</sub> T <sub>j</sub> = T <sub>biv</sub>	7.90 kW	6.20 kW
COP T <sub>j</sub> = T <sub>biv</sub>	3.05	2.21
P <sub>dh</sub> T <sub>j</sub> = T <sub>OL</sub> or P <sub>dh</sub> T <sub>j</sub> = T <sub>designh</sub> if T <sub>OL</sub> < T <sub>designh</sub>	7.20 kW	5.90 kW
COP T <sub>j</sub> = T <sub>OL</sub> or COP T <sub>j</sub> = T <sub>designh</sub> if T <sub>OL</sub> < T <sub>designh</sub>	2.75	1.93
C <sub>dh</sub> T <sub>j</sub> = T <sub>OL</sub> or P <sub>dh</sub> T <sub>j</sub> = T <sub>designh</sub> if T <sub>OL</sub> < T <sub>designh</sub>	0.990	0.990
WT <sub>OL</sub>	75 °C	75 °C
P <sub>off</sub>	9 W	9 W
PTO	18 W	18 W
PSB	9 W	9 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.70 kW	1.10 kW
Annual energy consumption Q <sub>he</sub>	3890 kWh	4008 kWh

**EN 12102-1 | Warmer Climate**

	Low temperature	Medium temperature
Sound power level indoor	36 dB(A)	36 dB(A)
Sound power level outdoor	55 dB(A)	55 dB(A)

**EN 14825 | Warmer Climate**

	Low temperature	Medium temperature
$\eta_s$	232 %	184 %
Prated	6.50 kW	6.60 kW
SCOP	5.86	4.68
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	6.50 kW	6.60 kW
COP Tj = +2°C	3.20	2.48
Cdh Tj = +2 °C	0.990	0.990
Pdh Tj = +7°C	4.20 kW	4.20 kW
COP Tj = +7°C	5.62	3.92
Cdh Tj = +7 °C	0.980	0.980
Pdh Tj = 12°C	3.00 kW	3.70 kW
COP Tj = 12°C	6.93	6.35
Cdh Tj = +12 °C	0.960	0.970
Pdh Tj = Tbiv	6.50 kW	6.60 kW
COP Tj = Tbiv	3.20	2.48
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.50 kW	6.60 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.20	2.48
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.990	0.990
WTOL	75 °C	75 °C
Poff	9 W	9 W
PTO	18 W	18 W
PSB	9 W	9 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1481 kWh	1882 kWh

**Model THERMOR AUREA 2 DUO 7 TRI**

Model name	THERMOR AUREA 2 DUO 7 TRI
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	Warmer Climate
Reversibility	Yes
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 16147 | Average Climate**

Declared load profile	L
Efficiency $\eta_{DHW}$	122 %
COP	3.05
Heating up time	01:25 h:min
Standby power input	40.0 W
Reference hot water temperature	55.0 °C
Mixed water at 40°C	230 l

**EN 16147 | Warmer Climate**

Declared load profile	L
Efficiency $\eta_{DHW}$	134 %
COP	3.40
Heating up time	1:10 h:min
Standby power input	38.0 W
Reference hot water temperature	55.0 °C
Mixed water at 40°C	230 l

**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	8.55 kW	9.44 kW
El input	1.75 kW	3.01 kW
COP	4.88	3.14

**EN 12102-1 | Average Climate**

	Low temperature	Medium temperature
Sound power level indoor	36 dB(A)	36 dB(A)
Sound power level outdoor	55 dB(A)	55 dB(A)

**EN 14825 | Average Climate**

	Low temperature	Medium temperature
$\eta_S$	186 %	141 %
P <sub>rated</sub>	8.90 kW	7.00 kW
SCOP	4.73	3.61
T <sub>biv</sub>	-7 °C	-7 °C
T <sub>OL</sub>	-10 °C	-10 °C
P <sub>dh</sub> T <sub>j</sub> = -7°C	7.90 kW	6.20 kW
COP T <sub>j</sub> = -7°C	3.05	2.21
Cd <sub>h</sub> T <sub>j</sub> = -7 °C	0.990	0.990
P <sub>dh</sub> T <sub>j</sub> = +2°C	4.80 kW	3.80 kW
COP T <sub>j</sub> = +2°C	4.54	3.39
Cd <sub>h</sub> T <sub>j</sub> = +2 °C	0.980	0.980
P <sub>dh</sub> T <sub>j</sub> = +7°C	3.10 kW	2.80 kW
COP T <sub>j</sub> = +7°C	6.52	5.14
Cd <sub>h</sub> T <sub>j</sub> = +7 °C	0.960	0.970
P <sub>dh</sub> T <sub>j</sub> = 12°C	2.90 kW	3.40 kW
COP T <sub>j</sub> = 12°C	7.03	6.60
Cd <sub>h</sub> T <sub>j</sub> = +12 °C	0.960	0.970
P <sub>dh</sub> T <sub>j</sub> = T <sub>biv</sub>	7.90 kW	6.20 kW
COP T <sub>j</sub> = T <sub>biv</sub>	3.05	2.21
P <sub>dh</sub> T <sub>j</sub> = T <sub>OL</sub> or P <sub>dh</sub> T <sub>j</sub> = T <sub>designh</sub> if T <sub>OL</sub> < T <sub>designh</sub>	7.20 kW	5.90 kW
COP T <sub>j</sub> = T <sub>OL</sub> or COP T <sub>j</sub> = T <sub>designh</sub> if T <sub>OL</sub> < T <sub>designh</sub>	2.75	1.93
Cd <sub>h</sub> T <sub>j</sub> = T <sub>OL</sub> or P <sub>dh</sub> T <sub>j</sub> = T <sub>designh</sub> if T <sub>OL</sub> < T <sub>designh</sub>	0.990	0.990
WT <sub>OL</sub>	75 °C	75 °C
P <sub>off</sub>	9 W	9 W
PTO	18 W	18 W
PSB	9 W	9 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.70 kW	1.10 kW
Annual energy consumption Q <sub>he</sub>	3890 kWh	4008 kWh

**EN 12102-1 | Warmer Climate**

	Low temperature	Medium temperature
Sound power level indoor	36 dB(A)	36 dB(A)
Sound power level outdoor	55 dB(A)	55 dB(A)

**EN 14825 | Warmer Climate**

	Low temperature	Medium temperature
$\eta_s$	232 %	184 %
Prated	6.50 kW	6.60 kW
SCOP	5.86	4.68
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	6.50 kW	6.60 kW
COP Tj = +2°C	3.20	2.48
Cdh Tj = +2 °C	0.990	0.990
Pdh Tj = +7°C	4.20 kW	4.20 kW
COP Tj = +7°C	5.62	3.92
Cdh Tj = +7 °C	0.980	0.980
Pdh Tj = 12°C	3.00 kW	3.70 kW
COP Tj = 12°C	6.93	6.35
Cdh Tj = +12 °C	0.960	0.970
Pdh Tj = Tbiv	6.50 kW	6.60 kW
COP Tj = Tbiv	3.20	2.48
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.50 kW	6.60 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.20	2.48
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.990	0.990
WTOL	75 °C	75 °C
Poff	9 W	9 W
PTO	18 W	18 W
PSB	9 W	9 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1481 kWh	1882 kWh