

Subtype TRI-THERMAL SPLIT SERIES 04 06 KW

Certificate Holder	GD TCL Intelligent Heating & Ventilating Equipment Co., Ltd.
Address	No. 7 Yuanlin Road,
ZIP	
City	Guangdong
Country	CN
Certification Body	BRE Global Limited
Subtype title	TRI-THERMAL SPLIT SERIES 04 06 KW
Registration number	041-K051-07
Heat Pump Type	Outdoor Air/Water
Refrigerant	R32
Mass of Refrigerant	1.3 kg
Certification Date	18.12.2023
Testing basis	Heat Pump Keymark Scheme Rules Rev 12

Model THF-4D/HBpO-A+SMKLd-6D/3HBp-A

Model name	THF-4D/HBpO-A+SMKLd-6D/3HBp-A
Application	Heating (medium temp)
Units	Indoor, Outdoor
Climate zone (for heating)	Colder, Warmer, Warmer Climate, Colder 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	4.00 kW	4.40 kW
El input	0.82 kW	1.49 kW
COP	5.10	2.95

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	38 dB(A)	38 dB(A)
Sound power level outdoor	56 dB(A)	56 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
η_s	182 %	131 %
Prated	5.70 kW	4.70 kW
SCOP	4.63	3.35
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.10 kW	4.20 kW
COP Tj = -7°C	2.82	2.14
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	3.10 kW	2.50 kW
COP Tj = +2°C	4.37	3.26
Cdh Tj = +2 °C	0.900	0.900

Pdh Tj = +7°C	2.10 kW	1.70 kW
COP Tj = +7°C	6.57	4.44
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	1.70 kW	1.40 kW
COP Tj = 12°C	8.83	5.54
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	5.10 kW	4.20 kW
COP Tj = Tbiv	2.82	2.14
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.60 kW	3.70 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.60	1.72
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	65 °C	65 °C
Poff	10 W	10 W
PTO	10 W	10 W
PSB	10 W	10 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.10 kW	1.00 kW
Annual energy consumption Qhe	2559 kWh	2898 kWh

EN 12102-1 | Colder Climate

	Low temperature	Medium temperature
Sound power level indoor	38 dB(A)	38 dB(A)
Sound power level outdoor	56 dB(A)	56 dB(A)

EN 14825 | Colder Climate

	Low temperature	Medium temperature
ηs	160 %	107 %
Prated	5.00 kW	3.70 kW
SCOP	4.08	2.75
Tbiv	-15 °C	-15 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	3.00 kW	2.30 kW
COP Tj = -7°C	3.45	2.34
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	1.90 kW	1.40 kW
COP Tj = +2°C	5.00	3.22
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	1.20 kW	1.60 kW
COP Tj = +7°C	5.73	4.58
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	1.60 kW	1.50 kW
COP Tj = 12°C	7.84	6.33

Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	4.10 kW	3.00 kW
COP Tj = Tbiv	2.51	1.69
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	3.30 kW	2.50 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	1.72	1.17
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	65 °C	65 °C
Poff	10 W	10 W
PTO	10 W	10 W
PSB	10 W	10 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.70 kW	1.20 kW
Annual energy consumption Qhe	3038 kWh	3308 kWh
Pdh Tj = -15°C (if TOL	4.10	3.00
COP Tj = -15°C (if TOL	2.51	1.69
Cdh Tj = -15 °C	0.900	0.900

EN 12102-1 | Warmer Climate

	Low temperature	Medium temperature
Sound power level indoor	38 dB(A)	38 dB(A)
Sound power level outdoor	56 dB(A)	56 dB(A)

EN 14825 | Warmer Climate

	Low temperature	Medium temperature
ηs	264 %	165 %
Prated	5.30 kW	5.00 kW
SCOP	6.68	4.20
Tbiv	7 °C	7 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	5.30 kW	5.00 kW
COP Tj = +2°C	3.39	2.31
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	3.40 kW	3.20 kW
COP Tj = +7°C	5.81	3.68
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	1.70 kW	1.50 kW
COP Tj = 12°C	8.62	5.21
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	3.40 kW	3.20 kW
COP Tj = Tbiv	5.81	3.68
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.30 kW	5.00 kW

COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.39	2.31
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	65 °C	65 °C
Poff	10 W	10 W
PTO	10 W	10 W
PSB	10 W	10 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	1065 kWh	1604 kWh

Model THF-6D/HBpO-A+SMKLd-6D/3HBp-A

Model name	THF-6D/HBpO-A+SMKLd-6D/3HBp-A
Application	Heating (medium temp)
Units	Indoor, Outdoor
Climate zone (for heating)	Colder, Warmer, Warmer Climate, Colder 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	6.22 kW	6.00 kW
El input	1.27 kW	2.03 kW
COP	4.90	2.96

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	38 dB(A)	38 dB(A)
Sound power level outdoor	59 dB(A)	59 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
η_s	184 %	137 %
Prated	7.00 kW	6.00 kW
SCOP	4.68	3.50
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.20 kW	5.30 kW
COP Tj = -7°C	2.74	2.12
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	3.60 kW	3.20 kW
COP Tj = +2°C	4.45	3.43
Cdh Tj = +2 °C	0.900	0.900

Pdh Tj = +7°C	2.50 kW	2.10 kW
COP Tj = +7°C	6.80	4.63
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	1.40 kW	1.40 kW
COP Tj = 12°C	8.13	5.70
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	6.20 kW	5.30 kW
COP Tj = Tbiv	2.74	2.12
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.00 kW	5.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.54	1.81
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	65 °C	65 °C
Poff	10 W	10 W
PTO	10 W	10 W
PSB	10 W	10 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.00 kW	1.00 kW
Annual energy consumption Qhe	3093 kWh	3557 kWh

EN 12102-1 | Colder Climate

	Low temperature	Medium temperature
Sound power level indoor	38 dB(A)	38 dB(A)
Sound power level outdoor	59 dB(A)	59 dB(A)

EN 14825 | Colder Climate

	Low temperature	Medium temperature
ηs	166 %	113 %
Prated	6.00 kW	5.00 kW
SCOP	4.23	2.90
Tbiv	-15 °C	-15 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	3.60 kW	3.10 kW
COP Tj = -7°C	3.51	2.49
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	2.20 kW	1.80 kW
COP Tj = +2°C	5.36	3.52
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	1.50 kW	1.20 kW
COP Tj = +7°C	6.66	4.10
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	1.60 kW	1.40 kW
COP Tj = 12°C	7.97	6.18

Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	4.90 kW	4.00 kW
COP Tj = Tbiv	2.39	1.74
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	3.60 kW	2.50 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	1.78	1.17
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	65 °C	65 °C
Poff	10 W	10 W
PTO	10 W	10 W
PSB	10 W	10 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	2.40 kW	2.50 kW
Annual energy consumption Qhe	3515 kWh	4211 kWh
Pdh Tj = -15°C (if TOL	4.90	4.00
COP Tj = -15°C (if TOL	2.39	1.74
Cdh Tj = -15 °C	0.900	0.900

EN 12102-1 | Warmer Climate

	Low temperature	Medium temperature
Sound power level indoor	38 dB(A)	38 dB(A)
Sound power level outdoor	59 dB(A)	59 dB(A)

EN 14825 | Warmer Climate

	Low temperature	Medium temperature
ηs	264 %	167 %
Prated	6.00 kW	5.00 kW
SCOP	6.68	4.25
Tbiv	7 °C	7 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	5.90 kW	5.00 kW
COP Tj = +2°C	3.49	2.37
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	3.90 kW	3.20 kW
COP Tj = +7°C	5.71	3.72
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	2.00 kW	1.60 kW
COP Tj = 12°C	8.78	5.41
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	3.90 kW	3.20 kW
COP Tj = Tbiv	5.71	3.72
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.90 kW	5.00 kW

COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.49	2.37
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	65 °C	65 °C
Poff	10 W	10 W
PTO	10 W	10 W
PSB	10 W	10 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.10 kW	0.00 kW
Annual energy consumption Qhe	1202 kWh	1580 kWh

Model THF-4D/HBpO-A+SMKL-6D/HBp-A

Model name	THF-4D/HBpO-A+SMKL-6D/HBp-A
Application	Heating (medium temp)
Units	Indoor, Outdoor
Climate zone (for heating)	Colder, Warmer, Warmer Climate, Colder 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	4.00 kW	4.40 kW
El input	0.82 kW	1.49 kW
COP	5.10	2.95

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	38 dB(A)	38 dB(A)
Sound power level outdoor	56 dB(A)	56 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
η_s	182 %	131 %
Prated	5.70 kW	4.70 kW
SCOP	4.63	3.35
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.10 kW	4.20 kW
COP Tj = -7°C	2.82	2.14
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	3.10 kW	2.50 kW
COP Tj = +2°C	4.37	3.26
Cdh Tj = +2 °C	0.900	0.900

Pdh Tj = +7°C	2.10 kW	1.70 kW
COP Tj = +7°C	6.57	4.44
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	1.70 kW	1.40 kW
COP Tj = 12°C	8.83	5.54
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	5.10 kW	4.20 kW
COP Tj = Tbiv	2.82	2.14
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.60 kW	3.70 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.60	1.72
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	65 °C	65 °C
Poff	10 W	10 W
PTO	10 W	10 W
PSB	10 W	10 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.10 kW	1.00 kW
Annual energy consumption Qhe	2559 kWh	2898 kWh

EN 12102-1 | Colder Climate

	Low temperature	Medium temperature
Sound power level indoor	38 dB(A)	38 dB(A)
Sound power level outdoor	56 dB(A)	56 dB(A)

EN 14825 | Colder Climate

	Low temperature	Medium temperature
ηs	160 %	107 %
Prated	5.00 kW	3.70 kW
SCOP	4.08	2.75
Tbiv	-15 °C	-15 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	3.00 kW	2.30 kW
COP Tj = -7°C	3.45	2.34
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	1.90 kW	1.40 kW
COP Tj = +2°C	5.00	3.22
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	1.20 kW	1.60 kW
COP Tj = +7°C	5.73	4.58
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	1.60 kW	1.50 kW
COP Tj = 12°C	7.84	6.33

Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	4.10 kW	3.00 kW
COP Tj = Tbiv	2.51	1.69
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	3.30 kW	2.50 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	1.72	1.17
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	65 °C	65 °C
Poff	10 W	10 W
PTO	10 W	10 W
PSB	10 W	10 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.70 kW	1.20 kW
Annual energy consumption Qhe	3038 kWh	3308 kWh
Pdh Tj = -15°C (if TOL	4.10	3.00
COP Tj = -15°C (if TOL	2.51	1.69
Cdh Tj = -15 °C	0.900	0.900

EN 12102-1 | Warmer Climate

	Low temperature	Medium temperature
Sound power level indoor	38 dB(A)	38 dB(A)
Sound power level outdoor	56 dB(A)	56 dB(A)

EN 14825 | Warmer Climate

	Low temperature	Medium temperature
ηs	264 %	165 %
Prated	5.30 kW	5.00 kW
SCOP	6.68	4.20
Tbiv	7 °C	7 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	5.30 kW	5.00 kW
COP Tj = +2°C	3.39	2.31
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	3.40 kW	3.20 kW
COP Tj = +7°C	5.81	3.68
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	1.70 kW	1.50 kW
COP Tj = 12°C	8.62	5.21
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	3.40 kW	3.20 kW
COP Tj = Tbiv	5.81	3.68
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.30 kW	5.00 kW

COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.39	2.31
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	65 °C	65 °C
Poff	10 W	10 W
PTO	10 W	10 W
PSB	10 W	10 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	1065 kWh	1604 kWh

Model THF-6D/HBpO-A+SMKL-6D/HBp-A

Model name	THF-6D/HBpO-A+SMKL-6D/HBp-A
Application	Heating (medium temp)
Units	Indoor, Outdoor
Climate zone (for heating)	Colder, Warmer, Warmer Climate, Colder 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	6.22 kW	6.00 kW
El input	1.27 kW	2.03 kW
COP	4.90	2.96

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	38 dB(A)	38 dB(A)
Sound power level outdoor	59 dB(A)	59 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
η_s	184 %	137 %
Prated	7.00 kW	6.00 kW
SCOP	4.68	3.50
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.20 kW	5.30 kW
COP Tj = -7°C	2.74	2.12
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	3.60 kW	3.20 kW
COP Tj = +2°C	4.45	3.43
Cdh Tj = +2 °C	0.900	0.900

Pdh Tj = +7°C	2.50 kW	2.10 kW
COP Tj = +7°C	6.80	4.63
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	1.40 kW	1.40 kW
COP Tj = 12°C	8.13	5.70
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	6.20 kW	5.30 kW
COP Tj = Tbiv	2.74	2.12
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.00 kW	5.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.54	1.81
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	65 °C	65 °C
Poff	10 W	10 W
PTO	10 W	10 W
PSB	10 W	10 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.00 kW	1.00 kW
Annual energy consumption Qhe	3093 kWh	3557 kWh

EN 12102-1 | Colder Climate

	Low temperature	Medium temperature
Sound power level indoor	38 dB(A)	38 dB(A)
Sound power level outdoor	59 dB(A)	59 dB(A)

EN 14825 | Colder Climate

	Low temperature	Medium temperature
ηs	166 %	113 %
Prated	6.00 kW	5.00 kW
SCOP	4.23	2.90
Tbiv	-15 °C	-15 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	3.60 kW	3.10 kW
COP Tj = -7°C	3.51	2.49
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	2.20 kW	1.80 kW
COP Tj = +2°C	5.36	3.52
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	1.50 kW	1.20 kW
COP Tj = +7°C	6.66	4.10
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	1.60 kW	1.40 kW
COP Tj = 12°C	7.97	6.18

Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	4.90 kW	4.00 kW
COP Tj = Tbiv	2.39	1.74
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	3.60 kW	2.50 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	1.78	1.17
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	65 °C	65 °C
Poff	10 W	10 W
PTO	10 W	10 W
PSB	10 W	10 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	2.40 kW	2.50 kW
Annual energy consumption Qhe	3515 kWh	4211 kWh
Pdh Tj = -15°C (if TOL	4.90	4.00
COP Tj = -15°C (if TOL	2.39	1.74
Cdh Tj = -15 °C	0.900	0.900

EN 12102-1 | Warmer Climate

	Low temperature	Medium temperature
Sound power level indoor	38 dB(A)	38 dB(A)
Sound power level outdoor	59 dB(A)	59 dB(A)

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	Low temperature	Medium temperature
ηs	264 %	167 %
Prated	6.00 kW	5.00 kW
SCOP	6.68	4.25
Tbiv	7 °C	7 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	5.90 kW	5.00 kW
COP Tj = +2°C	3.49	2.37
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	3.90 kW	3.20 kW
COP Tj = +7°C	5.71	3.72
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	2.00 kW	1.60 kW
COP Tj = 12°C	8.78	5.41
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	3.90 kW	3.20 kW
COP Tj = Tbiv	5.71	3.72
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.90 kW	5.00 kW

COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.49	2.37
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	65 °C	65 °C
Poff	10 W	10 W
PTO	10 W	10 W
PSB	10 W	10 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.10 kW	0.00 kW
Annual energy consumption Qhe	1202 kWh	1580 kWh