Subtype THERCON THERMA TCDXL08X

Certificate Holder	Groupe Atlantic
Address	Rue des Fondeurs BP 64
ZIP	59660
City	Merville
Country	FR
Certification Body	RISE CERT
Subtype title	THERCON THERMA TCDXL08X
Registration number	012-C700152
Heat Pump Type	Outdoor Air/Water
Refrigerant	R32
Mass of Refrigerant	1.02 kg
Certification Date	10.07.2024
Testing basis	EN 14511:2018, EN 14825:2018, EN 12102:2017, EN 16147:2017.
Testing laboratory	CETIAT, FR

Model THERCON THERMA TCDXL08X

Model name	THERCON THERMA TCDXL08X
Application	Heating + DHW + low temp
Units	Indoor, 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 16147 | Average Climate

Declared load profile	xl
Efficiency ηDHW	140 %
COP	3.50
Heating up time	1:50 h:min
Standby power input	33.0 W
Reference hot water temperature	54.0 °C
Mixed water at 40°C	315 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	7.50 kW	7.20 kW
El input	1.66 kW	2.60 kW
COP	4.52	2.77

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	40 dB(A)	40 dB(A)
Sound power level outdoor	60 dB(A)	60 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
ηs	185 %	134 %
Prated	6.60 kW	6.20 kW

SCOP	4.70	3.41
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.80 kW	5.50 kW
COP Tj = -7°C	2.71	2.05
Cdh Tj = -7 °C	0.990	0.990
Pdh Tj = +2°C	3.60 kW	3.30 kW
COP Tj = +2°C	4.71	3.30
Cdh Tj = +2 °C	0.980	0.990
Pdh Tj = +7°C	2.30 kW	2.20 kW
COP Tj = +7°C	6.23	4.65
Cdh Tj = +7 °C	0.960	0.970
Pdh Tj = 12°C	2.40 kW	2.20 kW
COP Tj = 12°C	8.72	6.38
Cdh Tj = +12 °C	0.950	0.960
Pdh Tj = Tbiv	5.80 kW	5.50 kW
COP Tj = Tbiv	2.71	2.05
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.60 kW	5.20 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.42	1.80
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.990	1.000
WTOL	55 °C	55 °C
Poff	4 W	4 W
PTO	14 W	14 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	2901 kWh	3751 kWh