Subtype iTec XTR M 400V

Certificate Holder	Thermia
Address	Snickaregatan 1
ZIP	
City	Arvika
Country	SE
Certification Body	DIN CERTCO Gesellschaft für Konformitätsbewertung mbH
Subtype title	iTec XTR M 400V
Registration number	011-1W1000
Heat Pump Type	Outdoor Air/Water
Refrigerant	R290
Mass of Refrigerant	0.87 kg
Certification Date	25.03.2025
Testing basis	HP KEYMARK certification scheme rules rev. 14

Model iTec XTR M 400V	
Model name	iTec XTR M 400V
Application	Heating (medium temp)
Units	Outdoor
Climate zone (for heating)	n/a
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	8.00 kW	8.00 kW
El input	1.63 kW	2.67 kW
COP	4.91	3.00

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
ηs	191 %	139 %
Prated	8.00 kW	8.00 kW
SCOP	4.85	3.55
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.08 kW	7.08 kW
COP Tj = -7°C	2.70	2.02
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	4.31 kW	4.31 kW
COP Tj = +2°C	4.70	3.44
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	2.77 kW	2.77 kW

COP Tj = +7°C	7.00	5.05
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	2.40 kW	2.40 kW
COP Tj = 12°C	9.00	6.00
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	7.10 kW	7.08 kW
COP Tj = Tbiv	2.70	2.02
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.40 kW	7.30 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.40	1.90
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	75 °C	75 °C
Poff	22 W	22 W
PTO	22 W	22 W
PSB	22 W	22 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.60 kW	0.70 kW
Annual energy consumption Qhe	3398 kWh	4646 kWh