Subtype ADAPT MAX 10105

Certificate Holder	KRONOTERM d.o.o.
Address	Trnava 5e
ZIP	3303
City	Gomilsko
Country	SI
Certification Body	DIN CERTCO Gesellschaft für Konformitätsbewertung mbH
Subtype title	ADAPT MAX 10105
Registration number	011-1W1030
Heat Pump Type	Outdoor Air/Water
Refrigerant	R290
Mass of Refrigerant	11.25 kg
Certification Date	09.04.2025
Testing basis	HP KEYMARK certification scheme rules V14

Model ADAPT MAX 10105 HT / HK 3F	
Model name	ADAPT MAX 10105 HT / HK 3F
Application	Heating (medium temp)
Units	Outdoor
Climate zone (for heating)	Colder, Warmer, Warmer Climate, Colder Climate
Reversibility	Yes
Cooling mode application (optional)	+7°C/12°C, +18°C/+23°C
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	80.19 kW	79.10 kW
El input	15.05 kW	22.93 kW
COP	5.33	3.45

EN 14511-2 | Cooling		
	+7°C/+12°C	+18°C/+23°C
El input	33.13 kW	19.54 kW
Cooling capacity	90.77	90.26
EER	2.74	4.62

EN 12102-1 | Average Climate		
	Low temperature	Medium temperature
Sound power level outdoor	54 dB(A)	55 dB(A)

EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	229 %	171 %
Prated	79.50 kW	80.00 kW
SCOP	5.80	4.34
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C

Pdh Tj = -7°C	70.15 kW	70.45 kW
COP Tj = -7°C	3.38	2.47
Cdh Tj = -7 °C	0.998	0.999
Pdh Tj = +2°C	43.20 kW	43.18 kW
COP Tj = +2°C	5.48	4.22
Cdh Tj = +2 °C	0.995	0.996
Pdh Tj = +7°C	28.54 kW	27.92 kW
COP Tj = +7°C	8.35	5.91
Cdh Tj = +7 °C	0.989	0.992
Pdh Tj = 12°C	31.39 kW	30.22 kW
COP Tj = 12°C	10.27	7.91
Cdh Tj = +12 °C	0.987	0.990
Pdh Tj = Tbiv	79.54 kW	80.07 kW
COP Tj = Tbiv	2.87	2.10
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	79.54 kW	80.07 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.87	2.10
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.999	0.999
WTOL	75 °C	75 °C
Poff	39 W	39 W
PTO	39 W	39 W
PSB	39 W	39 W
PCK	39 W	39 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	28316 kWh	38081 kWh

EN 12102-1 | Colder Climate

	Low temperature	Medium temperature
Sound power level outdoor	54 dB(A)	55 dB(A)

EN 14825 | Colder Climate

	Low temperature	Medium temperature
ηs	193 %	149 %
Prated	93.60 kW	93.00 kW
SCOP	4.89	3.80
Tbiv	-15 °C	-15 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	56.75 kW	56.25 kW
COP Tj = -7°C	3.99	3.06
Cdh Tj = -7 °C	0.997	0.998
Pdh Tj = +2°C	34.11 kW	34.19 kW
COP Tj = +2°C	6.13	4.76
Cdh Tj = +2 °C	0.993	0.995

Pdh Tj = +7°C	28.32 kW	27.93 kW
COP Tj = +7°C	8.56	6.56
Cdh Tj = +7 °C	0.988	0.991
Pdh Tj = 12°C	31.06 kW	30.32 kW
COP Tj = 12°C	10.05	8.54
Cdh Tj = +12 °C	0.987	0.989
Pdh Tj = Tbiv	76.32 kW	77.89 kW
COP Tj = Tbiv	2.70	2.05
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	60.96 kW	63.61 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.26	1.66
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.999	0.999
WTOL	75 °C	75 °C
Poff	39 W	39 W
PTO	39 W	39 W
PSB	39 W	39 W
PCK	39 W	39 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	32.60 kW	29.40 kW
Annual energy consumption Qhe	47153 kWh	60264 kWh
Pdh Tj = -15°C (if TOL	76.32	77.89
COP Tj = -15°C (if TOL	2.70	2.05
Cdh Tj = -15 °C	0.999	0.999

EN 12102-1 | Warmer Climate

	Low temperature	Medium temperature
Sound power level outdoor	54 dB(A)	55 dB(A)

EN 14825 | Warmer Climate

	Low temperature	Medium temperature
ηs	302 %	216 %
Prated	96.50 kW	96.00 kW
SCOP	7.64	5.48
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	96.54 kW	95.96 kW
COP Tj = +2°C	3.43	2.48
Cdh Tj = +2 °C	0.999	0.999
Pdh Tj = +7°C	62.19 kW	61.66 kW
COP Tj = +7°C	6.23	4.45
Cdh Tj = +7 °C	0.996	0.997
Pdh Tj = 12°C	31.16 kW	29.69 kW
COP Tj = 12°C	10.53	7.55
Cdh Tj = +12 °C	0.987	0.990

Pdh Tj = Tbiv	96.54 kW	95.96 kW
COP Tj = Tbiv	3.43	2.48
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	96.54 kW	95.96 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.43	2.48
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.999	0.999
WTOL	75 °C	75 °C
Poff	39 W	39 W
PTO	39 W	39 W
PSB	39 W	39 W
PCK	39 W	39 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	16924 kWh	23466 kWh

EN 14825 | Cooling		
	+7°C/+12°C	+18°C/+23°C
Pdesignc	91.00 kW	90.00 kW
SEER	5.50	8.18
Pdc Tj = 35°C	90.77 kW	90.26 kW
EER Tj = 35°C	2.74	4.62
Cdc Tj = 35 °C	0.999	0.998
Pdc Tj = 30°C	66.99 kW	66.37 kW
EER Tj = 30°C	4.22	6.47
Cdc Tj = 30 °C	0.998	0.996
Pdc Tj = 25°C	42.89 kW	43.12 kW
EER Tj = 25°C	6.09	9.10
Cdc Tj = 25 °C	0.995	0.992
Pdc Tj = 20°C	28.51 kW	32.86 kW
EER Tj = 20°C	8.53	11.25
Cdc Tj = 20 °C	0.988	0.987
Poff	39 W	39 W
PTO	39 W	39 W
PSB	39 W	39 W
PCK	39 W	39 W
Annual energy consumption Qce	10092 kWh	6764 kWh