Subtype ADAPT MAX 10140

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 10140
Registration number	011-1W1031
Heat Pump Type	Outdoor Air/Water
Refrigerant	R290
Mass of Refrigerant	15 kg
Certification Date	09.04.2025
Testing basis	HP KEYMARK certification scheme rules V14

Model ADAPT MAX 10140 HT / HK 3F	
Model name	ADAPT MAX 10140 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	106.90 kW	105.79 kW
El input	20.09 kW	30.58 kW
COP	5.32	3.46

EN 14511-2 | Cooling		
	+7°C/+12°C	+18°C/+23°C
El input	44.16 kW	26.05 kW
Cooling capacity	121.01	120.33
EER	2.74	4.62

EN 12102-1 | Average Climate		
	Low temperature	Medium temperature
Sound power level outdoor	55 dB(A)	56 dB(A)

EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	229 %	171 %
Prated	106.00 kW	106.70 kW
SCOP	5.80	4.34
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C

Pdh Tj = -7°C	93.52 kW	93.91 kW
COP Tj = -7°C	3.38	2.47
Cdh Tj = -7 °C	0.998	0.999
Pdh Tj = +2°C	57.58 kW	57.55 kW
COP Tj = +2°C	5.48	4.22
Cdh Tj = +2 °C	0.995	0.996
Pdh Tj = +7°C	38.03 kW	37.20 kW
COP Tj = +7°C	8.34	5.90
Cdh Tj = +7 °C	0.989	0.992
Pdh Tj = 12°C	41.83 kW	40.27 kW
COP Tj = 12°C	10.27	7.90
Cdh Tj = +12 °C	0.987	0.990
Pdh Tj = Tbiv	106.04 kW	106.73 kW
COP Tj = Tbiv	2.87	2.10
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	106.04 kW	106.73 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	52 W	52 W
PTO	52 W	52 W
PSB	52 W	52 W
PCK	52 W	52 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	37765 kWh	50814 kWh

EN 12102-1 | Colder Climate

	Low temperature	Medium temperature
Sound power level outdoor	55 dB(A)	56 dB(A)

EN 14825 | Colder Climate

	Low temperature	Medium temperature
ηs	193 %	149 %
Prated	124.70 kW	125.00 kW
SCOP	4.89	3.80
Tbiv	-15 °C	-15 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	75.65 kW	74.97 kW
COP Tj = -7°C	3.99	3.06
Cdh Tj = -7 °C	0.997	0.998
Pdh Tj = +2°C	45.46 kW	45.57 kW
COP Tj = +2°C	6.13	4.76
Cdh Tj = +2 °C	0.993	0.995

Pdh Tj = +7°C	37.73 kW	37.22 kW
COP Tj = +7°C	8.56	6.56
Cdh Tj = +7 °C	0.988	0.991
Pdh Tj = 12°C	41.39 kW	40.41 kW
COP Tj = 12°C	10.04	8.53
Cdh Tj = +12 °C	0.987	0.989
Pdh Tj = Tbiv	101.74 kW	103.83 kW
COP Tj = Tbiv	2.70	2.05
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	81.26 kW	84.79 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.25	1.66
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.999	0.999
WTOL	75 °C	75 °C
Poff	52 W	52 W
PTO	52 W	52 W
PSB	52 W	52 W
PCK	52 W	52 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	43.40 kW	40.20 kW
Annual energy consumption Qhe	62827 kWh	81016 kWh
Pdh Tj = -15°C (if TOL	101.74	103.83
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	55 dB(A)	56 dB(A)

EN 14825 | Warmer Climate

	Low temperature	Medium temperature
ηs	302 %	216 %
Prated	129.00 kW	128.00 kW
SCOP	7.64	5.48
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	128.72 kW	127.94 kW
COP Tj = +2°C	3.43	2.48
Cdh Tj = +2 °C	0.999	0.999
Pdh Tj = +7°C	82.90 kW	82.19 kW
COP Tj = +7°C	6.23	4.45
Cdh Tj = +7 °C	0.996	0.997
Pdh Tj = 12°C	41.52 kW	39.57 kW
COP Tj = 12°C	10.53	7.55
Cdh Tj = +12 °C	0.987	0.990

Pdh Tj = Tbiv	128.72 kW	127.94 kW
COP Tj = Tbiv	3.43	2.48
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	128.72 kW	127.94 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	52 W	52 W
PTO	52 W	52 W
PSB	52 W	52 W
PCK	52 W	52 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	22623 kWh	31288 kWh

EN 14825 | Cooling		
	+7°C/+12°C	+18°C/+23°C
Pdesignc	121.00 kW	120.00 kW
SEER	5.50	8.18
Pdc Tj = 35°C	121.01 kW	120.33 kW
EER Tj = 35°C	2.74	4.62
Cdc Tj = 35 °C	0.999	0.998
Pdc Tj = 30°C	89.30 kW	88.48 kW
EER Tj = 30°C	4.22	6.47
Cdc Tj = 30 °C	0.998	0.996
Pdc Tj = 25°C	57.17 kW	57.47 kW
EER Tj = 25°C	6.09	9.10
Cdc Tj = 25 °C	0.995	0.992
Pdc Tj = 20°C	38.00 kW	43.79 kW
EER Tj = 20°C	8.52	11.25
Cdc Tj = 20 °C	0.988	0.987
Poff	52 W	52 W
PTO	52 W	52 W
PSB	52 W	52 W
PCK	52 W	52 W
Annual energy consumption Qce	13423 kWh	9018 kWh