Subtype ADAPT MAX 10070

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 10070
Registration number	011-1W1029
Heat Pump Type	Outdoor Air/Water
Refrigerant	R290
Mass of Refrigerant	7.5 kg
Certification Date	09.04.2025
Testing basis	HP KEYMARK certification scheme rules V14

Model ADAPT MAX 10070 HT / HK 3F	
Model name	ADAPT MAX 10070 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	53.48 kW	52.92 kW
El input	10.03 kW	15.25 kW
COP	5.33	3.47

EN 14511-2 | Cooling		
	+7°C/+12°C	+18°C/+23°C
El input	22.09 kW	13.03 kW
Cooling capacity	60.54	60.20
EER	2.74	4.62

EN 12102-1 | Average Climate		
	Low temperature	Medium temperature
Sound power level outdoor	52 dB(A)	53 dB(A)

EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	229 %	171 %
Prated	53.00 kW	53.00 kW
SCOP	5.81	4.35
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C

Pdh Tj = -7°C	46.79 kW	46.99 kW
COP Tj = -7°C	3.38	2.48
Cdh Tj = -7 °C	0.998	0.999
Pdh Tj = +2°C	28.82 kW	28.81 kW
COP Tj = +2°C	5.49	4.23
Cdh Tj = +2 °C	0.995	0.996
Pdh Tj = +7°C	19.05 kW	18.63 kW
COP Tj = +7°C	8.36	5.91
Cdh Tj = +7 °C	0.989	0.992
Pdh Tj = 12°C	20.95 kW	20.17 kW
COP Tj = 12°C	10.28	7.92
Cdh Tj = +12 °C	0.987	0.990
Pdh Tj = Tbiv	53.05 kW	53.40 kW
COP Tj = Tbiv	2.87	2.10
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	53.05 kW	53.40 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	26 W	26 W
PTO	26 W	26 W
PSB	26 W	26 W
PCK	26 W	26 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	18854 kWh	25178 kWh

EN 12102-1 | Colder Climate

	Low temperature	Medium temperature
Sound power level outdoor	52 dB(A)	53 dB(A)

EN 14825 | Colder Climate

	Low temperature	Medium temperature
ηs	193 %	150 %
Prated	62.40 kW	62.00 kW
SCOP	4.90	3.81
Tbiv	-15 °C	-15 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	37.85 kW	37.52 kW
COP Tj = -7°C	4.00	3.07
Cdh Tj = -7 °C	0.997	0.998
Pdh Tj = +2°C	22.76 kW	22.82 kW
COP Tj = +2°C	6.14	4.77
Cdh Tj = +2 °C	0.993	0.995

Pdh Tj = +7°C	18.90 kW	18.64 kW
COP Tj = +7°C	8.57	6.57
Cdh Tj = +7 °C	0.988	0.991
Pdh Tj = 12°C	20.73 kW	20.24 kW
COP Tj = 12°C	10.06	8.55
Cdh Tj = +12 °C	0.987	0.989
Pdh Tj = Tbiv	50.90 kW	51.95 kW
COP Tj = Tbiv	2.70	2.05
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	40.66 kW	42.43 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	26 W	26 W
PTO	26 W	26 W
PSB	26 W	26 W
PCK	26 W	26 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	21.70 kW	19.60 kW
Annual energy consumption Qhe	31386 kWh	40095 kWh
Pdh Tj = -15°C (if TOL	50.90	51.95
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	52 dB(A)	53 dB(A)

EN 14825 | Warmer Climate

	Low temperature	Medium temperature
ηs	302 %	216 %
Prated	64.40 kW	64.00 kW
SCOP	7.65	5.48
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	64.38 kW	63.99 kW
COP Tj = +2°C	3.43	2.48
Cdh Tj = +2 °C	0.999	0.999
Pdh Tj = +7°C	41.48 kW	41.13 kW
COP Tj = +7°C	6.23	4.45
Cdh Tj = +7 °C	0.996	0.997
Pdh Tj = 12°C	20.79 kW	19.82 kW
COP Tj = 12°C	10.54	7.56
Cdh Tj = +12 °C	0.987	0.990

Pdh Tj = Tbiv	69.79 kW	67.65 kW
COP Tj = Tbiv	3.43	2.48
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	69.79 kW	67.65 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	26 W	26 W
PTO	26 W	26 W
PSB	26 W	26 W
PCK	26 W	26 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	11359 kWh	15635 kWh

EN 14825 | Cooling		
	+7°C/+12°C	+18°C/+23°C
Pdesignc	60.50 kW	60.00 kW
SEER	5.50	8.18
Pdc Tj = 35°C	60.54 kW	60.20 kW
EER Tj = 35°C	2.74	4.62
Cdc Tj = 35 °C	0.999	0.998
Pdc Tj = 30°C	44.68 kW	44.27 kW
EER Tj = 30°C	4.22	6.47
Cdc Tj = 30 °C	0.998	0.996
Pdc Tj = 25°C	28.62 kW	28.77 kW
EER Tj = 25°C	6.09	9.11
Cdc Tj = 25 °C	0.995	0.992
Pdc Tj = 20°C	19.03 kW	21.93 kW
EER Tj = 20°C	8.54	11.26
Cdc Tj = 20 °C	0.988	0.987
Poff	26 W	26 W
PTO	26 W	26 W
PSB	26 W	26 W
PCK	26 W	26 W
Annual energy consumption Qce	6708 kWh	4502 kWh