Subtype MULTITHERMA 17 HD	
Certificate Holder	IGLOO Sp. z o.o.
Address	Stary Wiśnicz 289
ZIP	32-720
City	Nowy Wiśnicz
Country	PL
Certification Body	SZU - Strojirensky zkusebni ustav (Engineering Test Institute, Public Enterprise)
Subtype title	MULTITHERMA 17 HD
Registration number	037-0188-24
Heat Pump Type	Outdoor Air/Water
Refrigerant	R290
Mass of Refrigerant	2.15 kg
Certification Date	10.12.2024
Testing basis	HP Keymark certification scheme rules rev. no.13

Model MultiTherma 17 HD	
Model name	MultiTherma 17 HD
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	5.13 kW	5.08 kW
El input	0.98 kW	1.68 kW
COP	5.22	3.03

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	183 %	141 %
Prated	8.23 kW	8.67 kW
SCOP	4.64	3.60
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.50 kW	7.74 kW
COP Tj = -7°C	2.96	2.29
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	4.20 kW	4.78 kW
COP Tj = +2°C	4.38	3.40
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	2.80 kW	2.96 kW

COP Tj = +7°C	6.44	4.95
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	1.55 kW	1.48 kW
COP Tj = 12°C	7.05	5.77
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	8.23 kW	8.67 kW
COP Tj = Tbiv	2.85	1.94
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.23 kW	8.67 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.85	1.94
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	70 °C	70 °C
Poff	29 W	29 W
PTO	28 W	28 W
PSB	29 W	29 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	3662 kWh	4972 kWh

Model MultiTherma 17 HD Cascade	
Model name	MultiTherma 17 HD Cascade
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	5.13 kW	5.08 kW
El input	0.98 kW	1.68 kW
COP	5.22	3.03

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	183 %	141 %
Prated	8.23 kW	8.67 kW
SCOP	4.64	3.60
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.50 kW	7.74 kW
COP Tj = -7°C	2.96	2.29
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	4.20 kW	4.78 kW
COP Tj = +2°C	4.38	3.40
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	2.80 kW	2.96 kW

COP Tj = +7°C	6.44	4.95
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	1.55 kW	1.48 kW
COP Tj = 12°C	7.05	5.77
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	8.23 kW	8.67 kW
COP Tj = Tbiv	2.85	1.94
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.23 kW	8.67 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.85	1.94
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	70 °C	70 °C
Poff	29 W	29 W
PTO	28 W	28 W
PSB	29 W	29 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	3662 kWh	4972 kWh

Model MultiTherma 17 HD + ElectroBox	
Model name	MultiTherma 17 HD + ElectroBox
Application	Heating (medium temp)
Units	Indoor, 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	5.13 kW	5.08 kW
El input	0.98 kW	1.68 kW
COP	5.22	3.03

EN 12102-1 | Average Climate		
	Low temperature	Medium temperature
Sound power level indoor	0 dB(A)	0 dB(A)
Sound power level outdoor	52 dB(A)	53 dB(A)

EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	183 %	141 %
Prated	8.23 kW	8.67 kW
SCOP	4.64	3.60
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.50 kW	7.74 kW
COP Tj = -7°C	2.96	2.29
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	4.20 kW	4.78 kW
COP Tj = +2°C	4.38	3.40
Cdh Tj = +2 °C	0.900	0.900

Pdh Tj = +7°C	2.80 kW	2.96 kW
COP Tj = +7°C	6.44	4.95
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	1.55 kW	1.48 kW
COP Tj = 12°C	7.05	5.77
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	8.23 kW	8.67 kW
COP Tj = Tbiv	2.85	1.94
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.23 kW	8.67 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.85	1.94
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	70 °C	70 °C
Poff	29 W	29 W
PTO	28 W	28 W
PSB	29 W	29 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	3662 kWh	4972 kWh

Model MultiTherma 17 HD Cascade + ElectroBox	
Model name	MultiTherma 17 HD Cascade + ElectroBox
Application	Heating (medium temp)
Units	Indoor, 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	5.13 kW	5.08 kW
El input	0.98 kW	1.68 kW
COP	5.22	3.03

EN 12102-1 | Average Climate		
	Low temperature	Medium temperature
Sound power level indoor	0 dB(A)	0 dB(A)
Sound power level outdoor	52 dB(A)	53 dB(A)

EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	183 %	141 %
Prated	8.23 kW	8.67 kW
SCOP	4.64	3.60
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.50 kW	7.74 kW
COP Tj = -7°C	2.96	2.29
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	4.20 kW	4.78 kW
COP Tj = +2°C	4.38	3.40
Cdh Tj = +2 °C	0.900	0.900

Pdh Tj = +7°C	2.80 kW	2.96 kW
COP Tj = +7°C	6.44	4.95
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	1.55 kW	1.48 kW
COP Tj = 12°C	7.05	5.77
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	8.23 kW	8.67 kW
COP Tj = Tbiv	2.85	1.94
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.23 kW	8.67 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.85	1.94
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	70 °C	70 °C
Poff	29 W	29 W
PTO	28 W	28 W
PSB	29 W	29 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	3662 kWh	4972 kWh

Model MultiTherma 17 HD + MultiTherma BASIC 16-25	
Model name	MultiTherma 17 HD + MultiTherma BASIC 16-25
Application	Heating (medium temp)
Units	Indoor, 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	5.13 kW	5.08 kW
El input	1.01 kW	1.73 kW
COP	5.06	2.94

EN 12102-1 | Average Climate		
	Low temperature	Medium temperature
Sound power level indoor	29 dB(A)	29 dB(A)
Sound power level outdoor	52 dB(A)	53 dB(A)

EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	176 %	136 %
Prated	8.23 kW	8.67 kW
SCOP	4.48	3.47
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.50 kW	7.74 kW
COP Tj = -7°C	2.90	2.25
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	4.20 kW	4.78 kW
COP Tj = +2°C	4.20	3.26
Cdh Tj = +2 °C	0.900	0.900

Pdh Tj = +7°C	2.80 kW	2.96 kW
COP Tj = +7°C	6.19	4.75
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	1.55 kW	1.48 kW
COP Tj = 12°C	6.76	5.53
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	8.23 kW	8.67 kW
COP Tj = Tbiv	2.82	1.93
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.23 kW	8.67 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.82	1.93
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	70 °C	70 °C
Poff	29 W	29 W
PTO	28 W	28 W
PSB	29 W	29 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	3798 kWh	5155 kWh

Model MultiTherma 17 HD Cascade + MultiTherma BASIC 16-25	
Model name	MultiTherma 17 HD Cascade + MultiTherma BASIC 16-25
Application	Heating (medium temp)
Units	Indoor, 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	5.13 kW	5.08 kW
El input	1.01 kW	1.73 kW
COP	5.06	2.94

EN 12102-1 | Average Climate		
	Low temperature	Medium temperature
Sound power level indoor	29 dB(A)	29 dB(A)
Sound power level outdoor	52 dB(A)	53 dB(A)

EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	176 %	136 %
Prated	8.23 kW	8.67 kW
SCOP	4.48	3.47
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.50 kW	7.74 kW
COP Tj = -7°C	2.90	2.25
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	4.20 kW	4.78 kW
COP Tj = +2°C	4.20	3.26
Cdh Tj = +2 °C	0.900	0.900

Pdh Tj = +7°C	2.80 kW	2.96 kW
COP Tj = +7°C	6.19	4.75
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	1.55 kW	1.48 kW
COP Tj = 12°C	6.76	5.53
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	8.23 kW	8.67 kW
COP Tj = Tbiv	2.82	1.93
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.23 kW	8.67 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.82	1.93
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	70 °C	70 °C
Poff	29 W	29 W
PTO	28 W	28 W
PSB	29 W	29 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	3798 kWh	5155 kWh

Model MultiTherma 17 HD + MultiTherma PRO 16-25	
Model name	MultiTherma 17 HD + MultiTherma PRO 16-25
Application	Heating (medium temp)
Units	Indoor, 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	5.13 kW	5.08 kW
El input	1.05 kW	1.79 kW
COP	4.91	2.85

EN 12102-1 | Average Climate		
	Low temperature	Medium temperature
Sound power level indoor	33 dB(A)	33 dB(A)
Sound power level outdoor	52 dB(A)	53 dB(A)

EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	171 %	132 %
Prated	8.23 kW	8.67 kW
SCOP	4.35	3.38
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.50 kW	7.74 kW
COP Tj = -7°C	2.90	2.25
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	4.20 kW	4.78 kW
COP Tj = +2°C	4.06	3.16
Cdh Tj = +2 °C	0.900	0.900

Pdh Tj = +7°C	2.80 kW	2.96 kW
COP Tj = +7°C	5.97	4.58
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	1.55 kW	1.48 kW
COP Tj = 12°C	6.53	5.35
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	8.23 kW	8.67 kW
COP Tj = Tbiv	2.82	1.93
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.23 kW	8.67 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.82	1.93
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	70 °C	70 °C
Poff	29 W	29 W
PTO	28 W	28 W
PSB	29 W	29 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	3904 kWh	5292 kWh

Model MultiTherma 17 HD Cascade + MultiTherma PRO 16-25	
Model name	MultiTherma 17 HD Cascade + MultiTherma PRO 16-25
Application	Heating (medium temp)
Units	Indoor, 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	5.13 kW	5.08 kW
El input	1.05 kW	1.79 kW
COP	4.91	2.85

EN 12102-1 | Average Climate		
	Low temperature	Medium temperature
Sound power level indoor	33 dB(A)	33 dB(A)
Sound power level outdoor	52 dB(A)	53 dB(A)

EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	171 %	132 %
Prated	8.23 kW	8.67 kW
SCOP	4.35	3.38
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.50 kW	7.74 kW
COP Tj = -7°C	2.90	2.25
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	4.20 kW	4.78 kW
COP Tj = +2°C	4.06	3.16
Cdh Tj = +2 °C	0.900	0.900

Pdh Tj = +7°C	2.80 kW	2.96 kW
COP Tj = +7°C	5.97	4.58
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	1.55 kW	1.48 kW
COP Tj = 12°C	6.53	5.35
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	8.23 kW	8.67 kW
COP Tj = Tbiv	2.82	1.93
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.23 kW	8.67 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.82	1.93
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	70 °C	70 °C
Poff	29 W	29 W
PTO	28 W	28 W
PSB	29 W	29 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	3904 kWh	5292 kWh