Subtype AHP70-65

Certificate Holder	GUILLOT INDUSTRIES SAS - Groupe ATLANTIC
Address	1, Route de Fleurville
ZIP	01190
City	Ponte De Vaux
Country	FR
Certification Body	SZU - Strojirensky zkusebni ustav (Engineering Test Institute, Public Enterprise)
Subtype title	AHP70-65
Registration number	037-0186-24
Heat Pump Type	Outdoor Air/Water
Refrigerant	R290
Mass of Refrigerant	4.35 kg
Certification Date	07.11.2024
Testing basis	HP Keymark certification scheme rules rev. no.14
Testing laboratory	Wärmepumpen-Testzentrum (WPZ), CH

Model APTAE AHP70-65 (Brand: ATLANTIC)	
Model name	APTAE AHP70-65 (Brand: ATLANTIC)
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	40.89 kW	38.32 kW
El input	8.89 kW	11.88 kW
COP	4.60	3.23

EN 12102-1 | Average Climate		
	Low temperature	Medium temperature
Sound power level outdoor	75 dB(A)	75 dB(A)

EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	160 %	130 %
Prated	59.59 kW	56.56 kW
SCOP	4.08	3.32
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	52.71 kW	50.03 kW
COP Tj = -7°C	3.07	2.28
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	34.05 kW	32.87 kW
COP Tj = +2°C	3.99	3.25
Cdh Tj = +2 °C	1.000	1.000
Pdh Tj = +7°C	42.00 kW	40.23 kW

COP Tj = +7°C	5.10	4.24
Cdh Tj = +7 °C	0.969	0.976
Pdh Tj = 12°C	48.12 kW	46.47 kW
COP Tj = 12°C	5.80	5.06
Cdh Tj = +12 °C	0.967	0.975
Pdh Tj = Tbiv	52.71 kW	50.03 kW
COP Tj = Tbiv	3.07	2.28
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	49.47 kW	47.32 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.90	2.14
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.000	1.000
WTOL	70 °C	70 °C
Poff	183 W	183 W
PTO	276 W	231 W
PSB	183 W	183 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	10.11 kW	9.24 kW
Annual energy consumption Qhe	30212 kWh	35240 kWh

Model IZEA AHP70-65 (Brand: ACV)	
Model name	IZEA AHP70-65 (Brand: ACV)
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	n/a
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	40.89 kW	38.32 kW
El input	8.89 kW	11.88 kW
COP	4.60	3.23

EN 12102-1 | Average Climate		
	Low temperature	Medium temperature
Sound power level outdoor	75 dB(A)	75 dB(A)

EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	160 %	130 %
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TOL	-10 °C	-10 °C
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COP Tj = -7°C	3.07	2.28
Cdh Tj = -7 °C	1.000	1.000
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COP Tj = +2°C	3.99	3.25
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Pdh Tj = +7°C	42.00 kW	40.23 kW

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Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	49.47 kW	47.32 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.90	2.14
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.000	1.000
WTOL	70 °C	70 °C
Poff	183 W	183 W
PTO	276 W	231 W
PSB	183 W	183 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	10.11 kW	9.24 kW
Annual energy consumption Qhe	30212 kWh	35240 kWh

Model ECOMOD 290 HT AHP70-65 (Brand: IDEAL)	
Model name	ECOMOD 290 HT AHP70-65 (Brand: IDEAL)
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	n/a
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	40.89 kW	38.32 kW
El input	8.89 kW	11.88 kW
COP	4.60	3.23

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Sound power level outdoor	75 dB(A)	75 dB(A)

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WTOL	70 °C	70 °C
Poff	183 W	183 W
PTO	276 W	231 W
PSB	183 W	183 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	10.11 kW	9.24 kW
Annual energy consumption Qhe	30212 kWh	35240 kWh

Model TYNEHAM 290 HT AHP70-65 (Brand: HAMWORTHY)	
Model name	TYNEHAM 290 HT AHP70-65 (Brand: HAMWORTHY)
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	n/a
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	40.89 kW	38.32 kW
El input	8.89 kW	11.88 kW
COP	4.60	3.23

EN 12102-1 | Average Climate		
	Low temperature	Medium temperature
Sound power level outdoor	75 dB(A)	75 dB(A)

EN 14825 | Average Climate		
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COP Tj = +2°C	3.99	3.25
Cdh Tj = +2 °C	1.000	1.000
Pdh Tj = +7°C	42.00 kW	40.23 kW

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Poff	183 W	183 W
PTO	276 W	231 W
PSB	183 W	183 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	10.11 kW	9.24 kW
Annual energy consumption Qhe	30212 kWh	35240 kWh