

Subtype Intelligent Inverter Heat Pump R290- G15+G20

Certificate Holder	Guangdong PHNIX Eco-Energy Solution Ltd.
Address	No. 3 Tianyuan Road Dagang Town
ZIP	511470
City	Guangdong
Country	CN
Certification Body	BRE
Subtype title	Intelligent Inverter Heat Pump R290- G15+G20
Registration number	041-K020-11
Heat Pump Type	Outdoor Air/Water
Refrigerant	R290
Mass of Refrigerant	0.65 kg
Certification Date	15.03.2024
Testing basis	Heat Pump Keymark Scheme Rules Rev 13
Testing laboratory	TÜV SÜD Certification and Testing Co., Ltd. Guangzhou Branch, CN

Model G15

Model name	G15
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	1x230V 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	4.07 kW	4.14 kW
EI input	0.85 kW	1.40 kW
COP	4.79	3.00

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level outdoor	54 dB(A)	57 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
η_s	190 %	132 %
Prated	4.45 kW	4.47 kW
SCOP	4.83	3.36
Tbiv	-7 °C	-7 °C
TOL	-25 °C	-25 °C
Pdh Tj = -7°C	3.94 kW	3.95 kW
COP Tj = -7°C	3.10	2.23
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	2.55 kW	2.57 kW
COP Tj = +2°C	4.87	3.34
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	2.01 kW	1.75 kW

COP Tj = +7°C	6.59	4.16
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	2.29 kW	2.19 kW
COP Tj = 12°C	7.21	6.13
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	3.94 kW	3.95 kW
COP Tj = Tbiv	3.10	2.23
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.08 kW	4.11 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.77	1.95
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	75 °C	75 °C
Poff	10 W	10 W
PTO	11 W	11 W
PSB	10 W	10 W
PCK	42 W	42 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.37 kW	0.36 kW
Annual energy consumption Qhe	1903 kWh	2744 kWh

Model G20

Model name	G20
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	1x230V 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	7.00 kW	6.95 kW
EI input	1.46 kW	2.31 kW
COP	4.78	3.01

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level outdoor	56 dB(A)	57 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
η_s	188 %	138 %
Prated	7.01 kW	6.64 kW
SCOP	4.78	3.51
Tbiv	-7 °C	-7 °C
TOL	-25 °C	-25 °C
Pdh Tj = -7°C	6.20 kW	5.87 kW
COP Tj = -7°C	2.93	2.29
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	3.78 kW	3.71 kW
COP Tj = +2°C	4.59	3.34
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	2.49 kW	2.42 kW

COP Tj = +7°C	6.75	4.69
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	2.49 kW	2.29 kW
COP Tj = 12°C	8.37	6.72
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	6.20 kW	5.87 kW
COP Tj = Tbiv	2.93	2.29
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.69 kW	5.04 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.72	1.94
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	75 °C	75 °C
Poff	10 W	10 W
PTO	11 W	11 W
PSB	10 W	10 W
PCK	42 W	42 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.33 kW	1.60 kW
Annual energy consumption Qhe	3033 kWh	3904 kWh

Model G40

Model name	G40
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	1x230V 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	10.48 kW	9.17 kW
EI input	2.30 kW	3.21 kW
COP	4.56	3.24

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level outdoor	58 dB(A)	59 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
η_s	184 %	143 %
Prated	11.62 kW	11.83 kW
SCOP	4.67	3.66
Tbiv	-7 °C	-7 °C
TOL	-25 °C	-25 °C
Pdh Tj = -7°C	10.28 kW	10.47 kW
COP Tj = -7°C	2.97	2.31
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	6.30 kW	6.43 kW
COP Tj = +2°C	4.48	3.49
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	4.58 kW	4.33 kW

COP Tj = +7°C	6.50	5.09
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	5.33 kW	5.16 kW
COP Tj = 12°C	8.31	6.65
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	10.28 kW	10.47 kW
COP Tj = Tbiv	2.97	2.31
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.79 kW	9.99 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.59	2.08
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	75 °C	75 °C
Poff	11 W	11 W
PTO	12 W	12 W
PSB	11 W	11 W
PCK	83 W	83 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.83 kW	1.85 kW
Annual energy consumption Qhe	5144 kWh	6679 kWh

Model G40S

Model name	G40S
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	9.72 kW	9.67 kW
EI input	2.13 kW	3.12 kW
COP	4.57	3.10

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level outdoor	58 dB(A)	59 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
η_s	185 %	141 %
Prated	11.63 kW	11.71 kW
SCOP	4.71	3.60
Tbiv	-7 °C	-7 °C
TOL	-25 °C	-25 °C
Pdh Tj = -7°C	10.29 kW	10.36 kW
COP Tj = -7°C	2.99	2.28
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	6.30 kW	6.45 kW
COP Tj = +2°C	4.54	3.45
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	4.19 kW	4.25 kW

COP Tj = +7°C	6.37	4.93
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	4.87 kW	5.03 kW
COP Tj = 12°C	8.09	6.40
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	10.29 kW	10.36 kW
COP Tj = Tbiv	2.99	2.28
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.71 kW	9.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.68	2.05
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	75 °C	75 °C
Poff	10 W	10 W
PTO	12 W	12 W
PSB	10 W	10 W
PCK	48 W	48 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.92 kW	1.82 kW
Annual energy consumption Qhe	5105 kWh	6718 kWh

Subtype Intelligent Inverter Heat Pump R290- G60+G60S

Certificate Holder	Guangdong PHNIX Eco-Energy Solution Ltd.
Address	No. 3 Tianyuan Road Dagang Town
ZIP	511470
City	Guangdong
Country	CN
Certification Body	BRE
Subtype title	Intelligent Inverter Heat Pump R290- G60+G60S
Registration number	041-K020-13
Heat Pump Type	Outdoor Air/Water
Refrigerant	R290
Mass of Refrigerant	1.4 kg
Certification Date	15.03.2024
Testing basis	Heat Pump Keymark Scheme Rules Rev 13
Testing laboratory	TÜV SÜD Certification and Testing Co., Ltd. Guangzhou Branch, CN

Model G60

Model name	G60
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	1x230V 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	16.98 kW	17.09 kW
EI input	4.02 kW	5.90 kW
COP	4.22	3.52

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level outdoor	62 dB(A)	61 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
η_s	183 %	141 %
Prated	16.66 kW	17.07 kW
SCOP	4.65	3.61
Tbiv	-7 °C	-7 °C
TOL	-25 °C	-25 °C
Pdh Tj = -7°C	14.74 kW	15.10 kW
COP Tj = -7°C	2.76	2.15
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	8.98 kW	9.37 kW
COP Tj = +2°C	4.52	3.49
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	5.82 kW	6.02 kW

COP Tj = +7°C	6.43	4.98
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	6.06 kW	5.80 kW
COP Tj = 12°C	8.11	6.41
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	14.74 kW	15.10 kW
COP Tj = Tbiv	2.76	2.15
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	16.05 kW	15.04 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.48	1.93
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	75 °C	75 °C
Poff	11 W	11 W
PTO	12 W	12 W
PSB	11 W	11 W
PCK	86 W	86 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.60 kW	2.03 kW
Annual energy consumption Qhe	7404 kWh	9777 kWh

Model G60S

Model name	G60S
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	17.02 kW	16.92 kW
EI input	4.03 kW	5.57 kW
COP	4.23	3.04

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level outdoor	61 dB(A)	63 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
η_s	183 %	142 %
Prated	16.71 kW	16.62 kW
SCOP	4.64	3.62
Tbiv	-7 °C	-7 °C
TOL	-25 °C	-25 °C
Pdh Tj = -7°C	14.78 kW	14.70 kW
COP Tj = -7°C	2.85	2.15
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	9.16 kW	9.09 kW
COP Tj = +2°C	4.49	3.54
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	5.80 kW	5.76 kW

COP Tj = +7°C	6.27	4.87
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	6.04 kW	5.86 kW
COP Tj = 12°C	8.36	6.91
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	14.78 kW	14.70 kW
COP Tj = Tbiv	2.85	2.15
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	15.57 kW	14.05 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.56	1.89
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	75 °C	75 °C
Poff	15 W	15 W
PTO	15 W	15 W
PSB	15 W	15 W
PCK	88 W	88 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.14 kW	2.57 kW
Annual energy consumption Qhe	7440 kWh	9486 kWh

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Outdoor Unit:

Distributor model: GX 6-25

Factory model: G80S

Models:

Indoor Unit: None

Air-to-water heat pump Yes

Brine-to-water heat pump No

Low temperature heat pump No

Equipped with a supplementary heater No

Heat Pump Combination Heater No

Parameters shall be declared for Medium-temperature applications

Parameters shall be declared for Average Climate Conditions

Item	Symbol	Value	Unit
Rated Heat Output (*)	Prated	24.9	kW
Seasonal space heating energy efficiency	η_s	151.1	%
Energy Classes		A++	
Seasonal Coefficient of Performance	SCOP	3.7	kWh/kWh
Annual Energy consumption	QHE	9769	kWh
Sound power level indoors/outdoors	LWA	67	dB(A)

Declared capacity for heating for part load at indoor
Temperature 20°C and outdoor temperature T_j
T_j

Declared coefficient of performance or primary energy ratio for
part load at indoor temperature 20°C and outdoor temperature

T _j = -7°C	P _{dh}	29.20	kW	T _j = -7°C	COP _d	2.10	
T _j = +2°C	P _{dh}	26.75	kW	T _j = +2°C	COP _d	3.58	
T _j = +7°C	P _{dh}	24.90	kW	T _j = +7°C	COP _d	4.32	
T _j = +12°C	P _{dh}	18.60	kW	T _j = +12°C	COP _d	5.43	
T _j = bivalent temperature	P _{dh}	24.90	kW	T _j = bivalent temperature	COP _d	2.10	
T _j = operation limit temperature (***)	P _{dh}	23.10	kW	T _j = operation limit temperature	COP _d	2.00	
Bivalent temperature	T _{biv}	-7	°C	Operation limit temperature	TOL	-10	°C
Degradation Coefficient (**)	C _{dh}	0.90	-	Heating water operating limit temperature	WTOL	75	°C
Power consumption in modes other than active mode				Supplementary Heater			

Off Mode	P _{OFF}	0.014	kW	Rate heat output (*)	P _{sup}	0.74	kW
Thermostat-off mode	P _{TO}	0.014	kW				
Standby mode	P _{SB}	0.014	kW	Type of energy input	Electricity		
Crankcase heater mode	P _{CK}	0.040	kW				
Other items							
Capacity control	Variable			Rated airflow rate, outdoors		5500	m³/h
Outlet temperature capacity control	Variable						
Water flow rate capacity control	Fixed						
(*) For heat pump space heaters and heat pump combination heaters, the rated heat output <i>Prated</i> is equal to the design load for heating <i>Pdesignh</i>, and the rated heat output of a supplementary heater <i>Psup</i> is equal to the supplementary capacity for heating <i>sup(Tj)</i>. (**) Cdh shall be determined for each part load ratio, where applicable, by measurement. If not, the default degradation coefficient is Cdh = 0,9 (***) If the declared <i>TOL</i> is lower than the <i>Tdesignh</i> of the considered climate, then the outdoor dry bulb temperature is equal to <i>Tdesionh</i> for the part load							

Outdoor Unit:

Distributor model: GX 6-25

Factory model: G80S

Models:

Indoor Unit: None

Air-to-water heat pump Yes

Brine-to-water heat pump No

Low temperature heat pump No

Equipped with a supplementary heater No

Heat Pump Combination Heater No

Parameters shall be declared for Low-temperature applications

Parameters shall be declared for Average Climate Conditions

Item	Symbol	Value	Unit
Rated Heat Output (*)	Prated	25.0	kW
Seasonal space heating energy efficiency	ηs	184.1	%
Energy Classes		A+++	
Seasonal Coefficient of Performance	SCOP	4.89	kWh/kWh
Annual Energy consumption	QHE	6388	kWh
Sound power level indoors/outdoors	LWA	67	dB(A)

Declared capacity for heating for part load at indoor Temperature 20°C and outdoor temperature Tj

Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20°C and outdoor temperature Tj

Tj = -7°C	Pdh	29.40	kW	Tj = -7°C	COPd	2.90	
Tj = +2°C	Pdh	27.96	kW	Tj = +2°C	COPd	4.10	
Tj = +7°C	Pdh	25.00	kW	Tj = +7°C	COPd	5.09	

T _j = +12°C	P _{dh}	19.30	kW	T _j = +12°C	COP _d	6.55	
T _j = bivalent temperature	P _{dh}	29.40	kW	T _j = bivalent temperature	COP _d	2.90	
T _j = operation limit temperature (***)	P _{dh}	28.20	kW	T _j = operation limit temperature	COP _d	2.85	
Bivalent temperature	T _{biv}	-7	°C	Operation limit temperature	TOL	-10	°C
Degradation Coefficient (**)	C _{dh}	0.90	-	Heating water operating limit temperature	WTOL	75	°C
Power consumption in modes other than active mode				Supplementary Heater			
Off Mode	P _{OFF}	0.014	kW	Rate heat output (*)	P _{sup}	0.95	kW
Thermostat-off mode	P _{TO}	0.014	kW				
Standby mode	P _{SB}	0.014	kW	Type of energy input	Electricity		
Crankcase heater mode	P _{CK}	0.040	kW				
Other items							
Capacity control	Variable			Rated airflow rate, outdoors		5500	m³/h
Outlet temperature capacity control	Variable						
Water flow rate capacity control	Fixed						
(*) For heat pump space heaters and heat pump combination heaters, the rated heat output <i>Prated</i> is equal to the design load for heating <i>Pdesignh</i> , and the rated heat output of a supplementary heater <i>Psup</i> is equal to the supplementary capacity for heating <i>sup(Tj)</i> . (**) C _{dh} shall be determined for each part load ratio, where applicable, by measurement. If not, the default degradation coefficient is C _{dh} = 0,9 (***) If the declared <i>TOL</i> is lower than the <i>Tdesignh</i> of the considered climate, then the outdoor dry bulb temperature is equal to <i>Tdesignh</i> for the part load							

Contact Details:

GUANGDONG PHNIX ECO-ENERGY SOLUTION LTD.

Address: No.3, TIANYUAN ROAD, DAGANG TOWN , NANSHA, GUANGZHOU, CHINA

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Outdoor Unit:

Distributor model: GX 7-30

Factory model: G100S

Models:

Indoor Unit:None

Air-to-water heat pump Yes

Brine-to-water heat pump No

Low temperature heat pump No

Equipped with a supplementary heater No

Heat Pump Combination Heater No

Parameters shall be declared for Medium-temperature applications

Parameters shall be declared for Average Climate Conditions

Item	Symbol	Value	Unit
Rated Heat Output (*)	Prated	29.5	kW
Seasonal space heating energy efficiency	η_s	151.6	%
Energy Classes		A++	
Seasonal Coefficient of Performance	SCOP	3.67	kWh/kWh
Annual Energy consumption	QHE	9771	kWh
Sound power level indoors/outdoors	LWA	69	dB(A)

Declared capacity for heating for part load at indoor
Temperature 20°C and outdoor temperature T_j
T_j

Declared coefficient of performance or primary energy ratio for
part load at indoor temperature 20°C and outdoor temperature

T _j = -7°C	P _{dh}	32.80	kW	T _j = -7°C	COP _d	2.00	
T _j = +2°C	P _{dh}	30.09	kW	T _j = +2°C	COP _d	3.61	
T _j = +7°C	P _{dh}	29.50	kW	T _j = +7°C	COP _d	4.25	
T _j = +12°C	P _{dh}	21.98	kW	T _j = +12°C	COP _d	6.99	
T _j = bivalent temperature	P _{dh}	32.80	kW	T _j = bivalent temperature	COP _d	2.00	
T _j = operation limit temperature (***)	P _{dh}	30.87	kW	T _j = operation limit temperature	COP _d	2.22	
Bivalent temperature	T _{biv}	-7	°C	Operation limit temperature	TOL	-10	°C
Degradation Coefficient (**)	C _{dh}	0.90	-	Heating water operating limit temperature	WTOL	75	°C
Power consumption in modes other than active mode				Supplementary Heater			

Off Mode	P _{OFF}	0.014	kW	Rate heat output (*)	P _{sup}	0.74	kW
Thermostat-off mode	P _{TO}	0.014	kW				
Standby mode	P _{SB}	0.014	kW	Type of energy input	Electricity		
Crankcase heater mode	P _{CK}	0.040	kW				
Other items							
Capacity control	Variable			Rated airflow rate, outdoors		5500	m³/h
Outlet temperature capacity control	Variable						
Water flow rate capacity control	Fixed						
(*) For heat pump space heaters and heat pump combination heaters, the rated heat output <i>Prated</i> is equal to the design load for heating <i>Pdesignh</i>, and the rated heat output of a supplementary heater <i>Psup</i> is equal to the supplementary capacity for heating <i>sup(Tj)</i>. (**) Cdh shall be determined for each part load ratio, where applicable, by measurement. If not, the default degradation coefficient is Cdh = 0,9 (***) If the declared <i>TOL</i> is lower than the <i>Tdesignh</i> of the considered climate, then the outdoor dry bulb temperature is equal to <i>Tdesionh</i> for the part load							

Outdoor Unit:

Distributor model: GX 7-30

Factory model: G100S

Models:

Indoor Unit:None

Air-to-water heat pump Yes

Brine-to-water heat pump No

Low temperature heat pump No

Equipped with a supplementary heater No

Heat Pump Combination Heater No

Parameters shall be declared for Low-temperature applications

Parameters shall be declared for Average Climate Conditions

Item	Symbol	Value	Unit
Rated Heat Output (*)	Prated	30.00	kW
Seasonal space heating energy efficiency	ηs	197.8	%
Energy Classes		A+++	
Seasonal Coefficient of Performance	SCOP	4.80	kWh/kWh
Annual Energy consumption	QHE	6930	kWh
Sound power level indoors/outdoors	LWA	69	dB(A)

Declared capacity for heating for part load at indoor Temperature 20°C and outdoor temperature Tj

Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20°C and outdoor temperature Tj

Tj = -7°C	Pdh	33.90	kW	Tj = -7°C	COPd	2.80	
Tj = +2°C	Pdh	32.10	kW	Tj = +2°C	COPd	4.75	
Tj = +7°C	Pdh	30.00	kW	Tj = +7°C	COPd	5.01	

T _j = +12°C	P _{dh}	23.04	kW	T _j = +12°C	COP _d	7.01	
T _j = bivalent temperature	P _{dh}	33.90	kW	T _j = bivalent temperature	COP _d	2.80	
T _j = operation limit temperature (***)	P _{dh}	33.20	kW	T _j = operation limit temperature	COP _d	2.62	
Bivalent temperature	T _{biv}	-7	°C	Operation limit temperature	TOL	-10	°C
Degradation Coefficient (**)	C _{dh}	0.90	-	Heating water operating limit temperature	WTOL	75	°C
Power consumption in modes other than active mode				Supplementary Heater			
Off Mode	P _{OFF}	0.014	kW	Rate heat output (*)	P _{sup}	0.95	kW
Thermostat-off mode	P _{TO}	0.014	kW				
Standby mode	P _{SB}	0.014	kW	Type of energy input	Electricity		
Crankcase heater mode	P _{CK}	0.040	kW				
Other items							
Capacity control	Variable			Rated airflow rate, outdoors		5500	m³/h
Outlet temperature capacity control	Variable						
Water flow rate capacity control	Fixed						
(*) For heat pump space heaters and heat pump combination heaters, the rated heat output <i>Prated</i> is equal to the design load for heating <i>Pdesignh</i> , and the rated heat output of a supplementary heater <i>Psup</i> is equal to the supplementary capacity for heating <i>sup(Tj)</i> . (**) C _{dh} shall be determined for each part load ratio, where applicable, by measurement. If not, the default degradation coefficient is C _{dh} = 0,9 (***) If the declared <i>TOL</i> is lower than the <i>Tdesignh</i> of the considered climate, then the outdoor dry bulb temperature is equal to <i>Tdesignh</i> for the part load							

Contact Details:

GUANGDONG PHNIX ECO-ENERGY SOLUTION LTD.

Address: No.3, TIANYUAN ROAD, DAGANG TOWN , NANSHA, GUANGZHOU, CHINA

Product fiche concerning the
COMMISSION DELEGATED REGULATIONS
(EU)No 813/2013 of 10 November 2025

Outdoor Unit:

Distributor model: GX 8-35

Factory model: G120S

Models:

Indoor Unit:None

Air-to-water heat pump Yes

Brine-to-water heat pump No

Low temperature heat pump No

Equipped with a supplementary heater No

Heat Pump Combination Heater No

Parameters shall be declared for

Medium-temperature applications

Parameters shall be declared for

Average Climate Conditions

Item	Symbol	Value	Unit
Rated Heat Output (*)	Prated	34.4	kW
Seasonal space heating energy efficiency	η_s	152.2	%
Energy Classes		A++	
Seasonal Coefficient of Performance	SCOP	3.6	kWh/kWh
Annual Energy consumption	QHE	9787	kWh
Sound power level indoors/outdoors	LWA	70	dB(A)

Declared capacity for heating for part load at indoor
Temperature 20°C and outdoor temperature T_j
T_j

Declared coefficient of performance or primary energy ratio for
part load at indoor temperature 20°C and outdoor temperature

T _j = -7°C	P _{dh}	37.90	kW	T _j = -7°C	COP _d	2.50	
T _j = +2°C	P _{dh}	35.24	kW	T _j = +2°C	COP _d	3.55	
T _j = +7°C	P _{dh}	34.40	kW	T _j = +7°C	COP _d	4.10	
T _j = +12°C	P _{dh}	29.80	kW	T _j = +12°C	COP _d	6.83	
T _j = bivalent temperature	P _{dh}	34.40	kW	T _j = bivalent temperature	COP _d	2.00	
T _j = operation limit temperature (***)	P _{dh}	35.20	kW	T _j = operation limit temperature	COP _d	2.19	
Bivalent temperature	T _{biv}	-7	°C	Operation limit temperature	TOL	-10	°C
Degradation Coefficient (**)	C _{dh}	0.90	-	Heating water operating limit temperature	WTOL	75	°C
Power consumption in modes other than active mode				Supplementary Heater			

Off Mode	P _{OFF}	0.014	kW	Rate heat output (*)	P _{sup}	0.74	kW
Thermostat-off mode	P _{TO}	0.014	kW				
Standby mode	P _{SB}	0.014	kW	Type of energy input	Electricity		
Crankcase heater mode	P _{CK}	0.040	kW				
Other items							
Capacity control	Variable			Rated airflow rate, outdoors		5500	m³/h
Outlet temperature capacity control	Variable						
Water flow rate capacity control	Fixed						
(*) For heat pump space heaters and heat pump combination heaters, the rated heat output <i>Prated</i> is equal to the design load for heating <i>Pdesignh</i>, and the rated heat output of a supplementary heater <i>Psup</i> is equal to the supplementary capacity for heating <i>sup(Tj)</i>. (**) Cdh shall be determined for each part load ratio, where applicable, by measurement. If not, the default degradation coefficient is Cdh = 0,9 (***) If the declared <i>TOL</i> is lower than the <i>Tdesignh</i> of the considered climate, then the outdoor dry bulb temperature is equal to <i>Tdesionh</i> for the part load							

Outdoor Unit:

Distributor model: GX 8-35

Factory model: G120S

Models:

Indoor Unit:None

Air-to-water heat pump Yes

Brine-to-water heat pump No

Low temperature heat pump No

Equipped with a supplementary heater No

Heat Pump Combination Heater No

Parameters shall be declared for Low-temperature applications

Parameters shall be declared for Average Climate Conditions

Item	Symbol	Value	Unit
Rated Heat Output (*)	Prated	35.00	kW
Seasonal space heating energy efficiency	ηs	198.7	%
Energy Classes		A+++	
Seasonal Coefficient of Performance	SCOP	4.78	kWh/kWh
Annual Energy consumption	QHE	6945	kWh
Sound power level indoors/outdoors	LWA	70	dB(A)

Declared capacity for heating for part load at indoor Temperature 20°C and outdoor temperature Tj

Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20°C and outdoor temperature Tj

Tj = -7°C	Pdh	37.20	kW	Tj = -7°C	COPd	2.70	
Tj = +2°C	Pdh	36.10	kW	Tj = +2°C	COPd	4.54	
Tj = +7°C	Pdh	35.00	kW	Tj = +7°C	COPd	4.97	

T _j = +12°C	P _{dh}	30.36	kW	T _j = +12°C	COP _d	7.96	
T _j = bivalent temperature	P _{dh}	37.20	kW	T _j = bivalent temperature	COP _d	2.70	
T _j = operation limit temperature (***)	P _{dh}	35.90	kW	T _j = operation limit temperature	COP _d	2.92	
Bivalent temperature	T _{biv}	-7	°C	Operation limit temperature	TOL	-10	°C
Degradation Coefficient (**)	C _{dh}	0.90	-	Heating water operating limit temperature	WTOL	75	°C
Power consumption in modes other than active mode				Supplementary Heater			
Off Mode	P _{OFF}	0.014	kW	Rate heat output (*)	P _{sup}	0.95	kW
Thermostat-off mode	P _{TO}	0.014	kW				
Standby mode	P _{SB}	0.014	kW	Type of energy input	Electricity		
Crankcase heater mode	P _{CK}	0.040	kW				
Other items							
Capacity control	Variable			Rated airflow rate, outdoors		5500	m³/h
Outlet temperature capacity control	Variable						
Water flow rate capacity control	Fixed						
(*) For heat pump space heaters and heat pump combination heaters, the rated heat output <i>Prated</i> is equal to the design load for heating <i>Pdesignh</i> , and the rated heat output of a supplementary heater <i>Psup</i> is equal to the supplementary capacity for heating <i>sup(Tj)</i> . (**) C _{dh} shall be determined for each part load ratio, where applicable, by measurement. If not, the default degradation coefficient is C _{dh} = 0,9 (***) If the declared <i>TOL</i> is lower than the <i>Tdesignh</i> of the considered climate, then the outdoor dry bulb temperature is equal to <i>Tdesignh</i> for the part load							

Contact Details:

GUANGDONG PHNIX ECO-ENERGY SOLUTION LTD.

Address: No.3, TIANYUAN ROAD, DAGANG TOWN , NANSHA, GUANGZHOU, CHINA

Subtype Intelligent Inverter Heat Pump R290- G20 / All-in-One3P

Certificate Holder	Guangdong PHNIX Eco-Energy Solution Ltd.
Address	No. 3 Tianyuan Road Dagang Town
ZIP	511470
City	Guangdong
Country	CN
Certification Body	BRE
Subtype title	Heat Pump - Outdoor Unit: G20 - Indoor Unit: All-In-One3P
Registration number	041-K020-11
Heat Pump Type	Air/Water
Refrigerant	R290
Mass of Refrigerant	0.65 kg
Certification Date	15.03.2024
Testing basis	Heat Pump Keymark Scheme Rules Rev 13
Testing laboratory	TÜV SÜD Certification and Testing Co., Ltd. Guangzhou Branch, CN

Model G20 / All-in-One3P

Outdoor model name	G20
Application	Heating (medium temp)
Units	Outdoor + indoor
Climate zone (for heating)	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data

Power supply	1x230V 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	7.00 kW	6.95 kW
EI input	1.46 kW	2.31 kW
COP	4.78	3.01

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level outdoor	56 dB(A)	57 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
η_s	188 %	138 %
Prated	7.01 kW	6.64 kW
SCOP	4.78	3.51
Tbiv	-7 °C	-7 °C
TOL	-25 °C	-25 °C
Pdh Tj = -7°C	6.20 kW	5.87 kW
COP Tj = -7°C	2.93	2.29
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	3.78 kW	3.71 kW
COP Tj = +2°C	4.59	3.34
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	2.49 kW	2.42 kW

COP Tj = +7°C	6.75	4.69
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	2.49 kW	2.29 kW
COP Tj = 12°C	8.37	6.72
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	6.20 kW	5.87 kW
COP Tj = Tbiv	2.93	2.29
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.69 kW	5.04 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.72	1.94
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	75 °C	75 °C
Poff	10 W	10 W
PTO	11 W	11 W
PSB	10 W	10 W
PCK	42 W	42 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.33 kW	1.60 kW
Annual energy consumption Qhe	3033 kWh	3904 kWh

Subtype Intelligent Inverter Heat Pump R290 - G40+G40S / All-in-One3P

Certificate Holder	Guangdong PHNIX Eco-Energy Solution Ltd.
Address	No. 3 Tianyuan Road Dagang Town
ZIP	511470
City	Guangdong
Country	CN
Certification Body	BRE
Subtype title	Heat Pump - Outdoor Unit: G40+G40S - Indoor Unit: All-In-One3P
Registration number	041-K020-12
Heat Pump Type	Air/Water
Refrigerant	R290
Mass of Refrigerant	1 kg
Certification Date	15.03.2024
Testing basis	Heat Pump Keymark Scheme Rules Rev 13
Testing laboratory	TÜV SÜD Certification and Testing Co., Ltd. Guangzhou Branch, CN

Model G40 / All-in-One3P

Outdoor model name	G40
Application	Heating (medium temp)
Units	Outdoor + indoor
Climate zone (for heating)	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data

Power supply	1x230V 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	10.48 kW	9.17 kW
EI input	2.30 kW	3.21 kW
COP	4.56	2.86

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level outdoor	58 dB(A)	59 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
η_s	184 %	143 %
Prated	11.62 kW	11.83 kW
SCOP	4.67	3.66
Tbiv	-7 °C	-7 °C
TOL	-25 °C	-25 °C
Pdh Tj = -7°C	10.28 kW	10.47 kW
COP Tj = -7°C	2.97	2.31
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	6.30 kW	6.43 kW
COP Tj = +2°C	4.48	3.49
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	4.58 kW	4.33 kW

COP Tj = +7°C	6.50	5.09
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	5.33 kW	5.16 kW
COP Tj = 12°C	8.31	6.65
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	10.28 kW	10.47 kW
COP Tj = Tbiv	2.97	2.31
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.79 kW	9.99 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.59	2.08
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	75 °C	75 °C
Poff	11 W	11 W
PTO	12 W	12 W
PSB	11 W	11 W
PCK	83 W	83 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.83 kW	1.85 kW
Annual energy consumption Qhe	5144 kWh	6679 kWh

Model G40S / All-in-One3P

Outdoor model name	G40S
Application	Heating (medium temp)
Units	Outdoor + indoor
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	9.72 kW	9.67 kW
EI input	2.13 kW	3.12 kW
COP	4.57	3.10

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level outdoor	58 dB(A)	59 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
η_s	185 %	141 %
Prated	11.63 kW	11.71 kW
SCOP	4.71	3.60
Tbiv	-7 °C	-7 °C
TOL	-25 °C	-25 °C
Pdh Tj = -7°C	10.29 kW	10.36 kW
COP Tj = -7°C	2.99	2.28
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	6.30 kW	6.45 kW
COP Tj = +2°C	4.54	3.45
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	4.19 kW	4.25 kW

COP Tj = +7°C	6.37	4.93
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	4.87 kW	5.03 kW
COP Tj = 12°C	8.09	6.40
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	10.29 kW	10.36 kW
COP Tj = Tbiv	2.99	2.28
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.71 kW	9.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.68	2.05
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	75 °C	75 °C
Poff	10 W	10 W
PTO	12 W	12 W
PSB	10 W	10 W
PCK	48 W	48 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.92 kW	1.82 kW
Annual energy consumption Qhe	5105 kWh	6718 kWh

Subtype Intelligent Inverter Heat Pump R290- G60+G60S / All-in-One3P

Certificate Holder	Guangdong PHNIX Eco-Energy Solution Ltd.
Address	No. 3 Tianyuan Road Dagang Town
ZIP	511470
City	Guangdong
Country	CN
Certification Body	BRE
Subtype title	Heat Pump - Outdoor Unit: G60+G60S - Indoor Unit: All-In-One3P
Registration number	041-K020-13
Heat Pump Type	Air/Water
Refrigerant	R290
Mass of Refrigerant	1.4 kg
Certification Date	15.03.2024
Testing basis	Heat Pump Keymark Scheme Rules Rev 13
Testing laboratory	TÜV SÜD Certification and Testing Co., Ltd. Guangzhou Branch, CN

Model G60 / All-in-One3P

Outdoor model name	G60
Application	Heating (medium temp)
Units	Outdoor + indoor
Climate zone (for heating)	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data

Power supply	1x230V 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	16.98 kW	17.09 kW
EI input	4.02 kW	5.90 kW
COP	4.22	3.04

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level outdoor	62 dB(A)	61 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
η_s	183 %	141 %
Prated	16.66 kW	17.07 kW
SCOP	4.65	3.61
Tbiv	-7 °C	-7 °C
TOL	-25 °C	-25 °C
Pdh Tj = -7°C	14.74 kW	15.10 kW
COP Tj = -7°C	2.76	2.15
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	8.98 kW	9.37 kW
COP Tj = +2°C	4.52	3.49
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	5.82 kW	6.02 kW

COP Tj = +7°C	6.43	4.98
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	6.06 kW	5.80 kW
COP Tj = 12°C	8.11	6.41
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	14.74 kW	15.10 kW
COP Tj = Tbiv	2.76	2.15
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	16.05 kW	15.04 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.48	1.93
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	75 °C	75 °C
Poff	11 W	11 W
PTO	12 W	12 W
PSB	11 W	11 W
PCK	86 W	86 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.60 kW	2.03 kW
Annual energy consumption Qhe	7404 kWh	9777 kWh

Model G60S / All-in-One3P

Outdoor model name	G60S
Application	Heating (medium temp)
Units	Outdoor + indoor
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	17.02 kW	16.92 kW
EI input	4.03 kW	5.57 kW
COP	4.23	3.04

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level outdoor	61 dB(A)	63 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
η_s	183 %	142 %
Prated	16.71 kW	16.62 kW
SCOP	4.64	3.62
Tbiv	-7 °C	-7 °C
TOL	-25 °C	-25 °C
Pdh Tj = -7°C	14.78 kW	14.70 kW
COP Tj = -7°C	2.85	2.15
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	9.16 kW	9.09 kW
COP Tj = +2°C	4.49	3.54
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	5.80 kW	5.76 kW

COP Tj = +7°C	6.27	4.87
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	6.04 kW	5.86 kW
COP Tj = 12°C	8.36	6.91
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	14.78 kW	14.70 kW
COP Tj = Tbiv	2.85	2.15
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	15.57 kW	14.05 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.56	1.89
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	75 °C	75 °C
Poff	15 W	15 W
PTO	15 W	15 W
PSB	15 W	15 W
PCK	88 W	88 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.14 kW	2.57 kW
Annual energy consumption Qhe	7440 kWh	9486 kWh

Product fiche concerning the
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(EU)No 813/2013 of 10 November 2025

Models: **Outdoor Unit:**
Distributor model: GX 6-25
Factory model: G80S
Indoor Unit: All-in-One3P

Air-to-water heat pump Yes

Brine-to-water heat pump No

Low temperature heat pump No

Equipped with a supplementary heater Yes

Heat Pump Combination Heater Yes

Parameters shall be declared for Medium-temperature applications

Parameters shall be declared for Average Climate Conditions

Item	Symbol	Value	Unit
Rated Heat Output (*)	Prated	24.9	kW
Seasonal space heating energy efficiency	η_s	151.1	%
Energy Classes		A++	
Seasonal Coefficient of Performance	SCOP	3.7	kWh/kWh
Annual Energy consumption	QHE	9769	kWh
Sound power level indoors/outdoors	LWA	67	dB(A)

Declared capacity for heating for part load at indoor
Temperature 20°C and outdoor temperature T_j
T_j

Declared coefficient of performance or primary energy ratio for
part load at indoor temperature 20°C and outdoor temperature

T _j = -7°C	P _{dh}	29.20	kW	T _j = -7°C	COP _d	2.10	
T _j = +2°C	P _{dh}	26.75	kW	T _j = +2°C	COP _d	3.58	
T _j = +7°C	P _{dh}	24.90	kW	T _j = +7°C	COP _d	4.32	
T _j = +12°C	P _{dh}	18.60	kW	T _j = +12°C	COP _d	5.43	
T _j = bivalent temperature	P _{dh}	24.90	kW	T _j = bivalent temperature	COP _d	2.10	
T _j = operation limit temperature (***)	P _{dh}	23.10	kW	T _j = operation limit temperature	COP _d	2.00	
Bivalent temperature	T _{biv}	-7	°C	Operation limit temperature	TOL	-10	°C
Degradation Coefficient (**)	C _{dh}	0.90	-	Heating water operating limit temperature	WTOL	75	°C
Power consumption in modes other than active mode				Supplementary Heater			

Off Mode	P _{OFF}	0.014	kW	Rate heat output (*)	P _{sup}	0.74	kW
Thermostat-off mode	P _{TO}	0.014	kW				
Standby mode	P _{SB}	0.014	kW	Type of energy input	Electricity		
Crankcase heater mode	P _{CK}	0.040	kW				
Other items							
Capacity control	Variable			Rated airflow rate, outdoors		5500	m³/h
Outlet temperature capacity control	Variable						
Water flow rate capacity control	Fixed						
(*) For heat pump space heaters and heat pump combination heaters, the rated heat output <i>Prated</i> is equal to the design load for heating <i>Pdesignh</i>, and the rated heat output of a supplementary heater <i>Psup</i> is equal to the supplementary capacity for heating <i>sup(Tj)</i>. (**) Cdh shall be determined for each part load ratio, where applicable, by measurement. If not, the default degradation coefficient is Cdh = 0,9 (***) If the declared <i>TOL</i> is lower than the <i>Tdesignh</i> of the considered climate, then the outdoor dry bulb temperature is equal to <i>Tdesionh</i> for the part load							

Outdoor Unit:

Distributor model: GX 6-25

Factory model: G80S

Models:

Indoor Unit: All-in-One3P

Air-to-water heat pump Yes

Brine-to-water heat pump No

Low temperature heat pump No

Equipped with a supplementary heater Yes

Heat Pump Combination Heater Yes

Parameters shall be declared for Low-temperature applications

Parameters shall be declared for Average Climate Conditions

Item	Symbol	Value	Unit
Rated Heat Output (*)	Prated	25.0	kW
Seasonal space heating energy efficiency	ηs	184.1	%
Energy Classes		A+++	
Seasonal Coefficient of Performance	SCOP	4.89	kWh/kWh
Annual Energy consumption	QHE	6388	kWh
Sound power level indoors/outdoors	LWA	67	dB(A)

Declared capacity for heating for part load at indoor Temperature 20°C and outdoor temperature Tj

Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20°C and outdoor temperature Tj

Tj = -7°C	Pdh	29.40	kW	Tj = -7°C	COPd	2.90	
Tj = +2°C	Pdh	27.96	kW	Tj = +2°C	COPd	4.10	
Tj = +7°C	Pdh	25.00	kW	Tj = +7°C	COPd	5.09	

T _j = +12°C	P _{dh}	19.30	kW	T _j = +12°C	COP _d	6.55	
T _j = bivalent temperature	P _{dh}	29.40	kW	T _j = bivalent temperature	COP _d	2.90	
T _j = operation limit temperature (***)	P _{dh}	28.20	kW	T _j = operation limit temperature	COP _d	2.85	
Bivalent temperature	T _{biv}	-7	°C	Operation limit temperature	TOL	-10	°C
Degradation Coefficient (**)	C _{dh}	0.90	-	Heating water operating limit temperature	WTOL	75	°C
Power consumption in modes other than active mode				Supplementary Heater			
Off Mode	P _{OFF}	0.014	kW	Rate heat output (*)	P _{sup}	0.95	kW
Thermostat-off mode	P _{TO}	0.014	kW				
Standby mode	P _{SB}	0.014	kW	Type of energy input	Electricity		
Crankcase heater mode	P _{CK}	0.040	kW				
Other items							
Capacity control	Variable			Rated airflow rate, outdoors		5500	m³/h
Outlet temperature capacity control	Variable						
Water flow rate capacity control	Fixed						
(*) For heat pump space heaters and heat pump combination heaters, the rated heat output <i>Prated</i> is equal to the design load for heating <i>Pdesignh</i> , and the rated heat output of a supplementary heater <i>Psup</i> is equal to the supplementary capacity for heating <i>sup(Tj)</i> . (**) C _{dh} shall be determined for each part load ratio, where applicable, by measurement. If not, the default degradation coefficient is C _{dh} = 0,9 (***) If the declared <i>TOL</i> is lower than the <i>Tdesignh</i> of the considered climate, then the outdoor dry bulb temperature is equal to <i>Tdesignh</i> for the part load							

Contact Details:

GUANGDONG PHNIX ECO-ENERGY SOLUTION LTD.

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Product fiche concerning the
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(EU)No 813/2013 of 10 November 2025

Outdoor Unit:

Distributor model: GX 7-30

Factory model: G100S

Indoor Unit: All-in-One3P

Models:

Air-to-water heat pump Yes

Brine-to-water heat pump No

Low temperature heat pump No

Equipped with a supplementary heater Yes

Heat Pump Combination Heater Yes

Parameters shall be declared for Medium-temperature applications

Parameters shall be declared for Average Climate Conditions

Item	Symbol	Value	Unit
Rated Heat Output (*)	Prated	29.5	kW
Seasonal space heating energy efficiency	η_s	151.6	%
Energy Classes		A++	
Seasonal Coefficient of Performance	SCOP	3.67	kWh/kWh
Annual Energy consumption	QHE	9771	kWh
Sound power level indoors/outdoors	LWA	69	dB(A)

Declared capacity for heating for part load at indoor
Temperature 20°C and outdoor temperature T_j
T_j

Declared coefficient of performance or primary energy ratio for
part load at indoor temperature 20°C and outdoor temperature

T _j = -7°C	P _{dh}	32.80	kW	T _j = -7°C	COP _d	2.00	
T _j = +2°C	P _{dh}	30.09	kW	T _j = +2°C	COP _d	3.61	
T _j = +7°C	P _{dh}	29.50	kW	T _j = +7°C	COP _d	4.25	
T _j = +12°C	P _{dh}	21.98	kW	T _j = +12°C	COP _d	6.99	
T _j = bivalent temperature	P _{dh}	32.80	kW	T _j = bivalent temperature	COP _d	2.00	
T _j = operation limit temperature (***)	P _{dh}	30.87	kW	T _j = operation limit temperature	COP _d	2.22	
Bivalent temperature	T _{biv}	-7	°C	Operation limit temperature	TOL	-10	°C
Degradation Coefficient (**)	C _{dh}	0.90	-	Heating water operating limit temperature	WTOL	75	°C
Power consumption in modes other than active mode				Supplementary Heater			

Off Mode	P _{OFF}	0.014	kW	Rate heat output (*)	P _{sup}	0.74	kW
Thermostat-off mode	P _{TO}	0.014	kW				
Standby mode	P _{SB}	0.014	kW	Type of energy input	Electricity		
Crankcase heater mode	P _{CK}	0.040	kW				
Other items							
Capacity control	Variable			Rated airflow rate, outdoors		5500	m³/h
Outlet temperature capacity control	Variable						
Water flow rate capacity control	Fixed						
(*) For heat pump space heaters and heat pump combination heaters, the rated heat output <i>Prated</i> is equal to the design load for heating <i>Pdesignh</i>, and the rated heat output of a supplementary heater <i>Psup</i> is equal to the supplementary capacity for heating <i>sup(Tj)</i>. (**) Cdh shall be determined for each part load ratio, where applicable, by measurement. If not, the default degradation coefficient is Cdh = 0,9 (***) If the declared <i>TOL</i> is lower than the <i>Tdesignh</i> of the considered climate, then the outdoor dry bulb temperature is equal to <i>Tdesionh</i> for the part load							

Outdoor Unit:

Distributor model: GX 7-30

Factory model: G100S

Indoor Unit: All-in-One3P

Models:

Air-to-water heat pump Yes

Brine-to-water heat pump No

Low temperature heat pump No

Equipped with a supplementary heater Yes

Heat Pump Combination Heater Yes

Parameters shall be declared for Low-temperature applications

Parameters shall be declared for Average Climate Conditions

Item	Symbol	Value	Unit
Rated Heat Output (*)	Prated	30.00	kW
Seasonal space heating energy efficiency	ηs	197.8	%
Energy Classes		A+++	
Seasonal Coefficient of Performance	SCOP	4.80	kWh/kWh
Annual Energy consumption	QHE	6930	kWh
Sound power level indoors/outdoors	LWA	69	dB(A)

Declared capacity for heating for part load at indoor Temperature 20°C and outdoor temperature Tj

Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20°C and outdoor temperature Tj

Tj = -7°C	Pdh	33.90	kW	Tj = -7°C	COPd	2.80	
Tj = +2°C	Pdh	32.10	kW	Tj = +2°C	COPd	4.75	
Tj = +7°C	Pdh	30.00	kW	Tj = +7°C	COPd	5.01	

T _j = +12°C	P _{dh}	23.04	kW	T _j = +12°C	COP _d	7.01	
T _j = bivalent temperature	P _{dh}	33.90	kW	T _j = bivalent temperature	COP _d	2.80	
T _j = operation limit temperature (***)	P _{dh}	33.20	kW	T _j = operation limit temperature	COP _d	2.62	
Bivalent temperature	T _{biv}	-7	°C	Operation limit temperature	TOL	-10	°C
Degradation Coefficient (**)	C _{dh}	0.90	-	Heating water operating limit temperature	WTOL	75	°C
Power consumption in modes other than active mode				Supplementary Heater			
Off Mode	P _{OFF}	0.014	kW	Rate heat output (*)	P _{sup}	0.95	kW
Thermostat-off mode	P _{TO}	0.014	kW				
Standby mode	P _{SB}	0.014	kW	Type of energy input	Electricity		
Crankcase heater mode	P _{CK}	0.040	kW				
Other items							
Capacity control	Variable			Rated airflow rate, outdoors		5500	m³/h
Outlet temperature capacity control	Variable						
Water flow rate capacity control	Fixed						
(*) For heat pump space heaters and heat pump combination heaters, the rated heat output <i>Prated</i> is equal to the design load for heating <i>Pdesignh</i> , and the rated heat output of a supplementary heater <i>Psup</i> is equal to the supplementary capacity for heating <i>sup(Tj)</i> .							
(**) C _{dh} shall be determined for each part load ratio, where applicable, by measurement. If not, the default degradation coefficient is C _{dh} = 0,9							
(***) If the declared <i>TOL</i> is lower than the <i>Tdesignh</i> of the considered climate, then the outdoor dry bulb temperature is equal to <i>Tdesignh</i> for the part load							

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(EU)No 813/2013 of 10 November 2025

Models: **Outdoor Unit:**
Distributor model: GX 8-35
Factory model: G120S
Indoor Unit: All-in-One3P

Air-to-water heat pump Yes

Brine-to-water heat pump No

Low temperature heat pump No

Equipped with a supplementary heater Yes

Heat Pump Combination Heater Yes

Parameters shall be declared for Medium-temperature applications

Parameters shall be declared for Average Climate Conditions

Item	Symbol	Value	Unit
Rated Heat Output (*)	Prated	34.4	kW
Seasonal space heating energy efficiency	η_s	152.2	%
Energy Classes		A++	
Seasonal Coefficient of Performance	SCOP	3.6	kWh/kWh
Annual Energy consumption	QHE	9787	kWh
Sound power level indoors/outdoors	LWA	70	dB(A)

Declared capacity for heating for part load at indoor
Temperature 20°C and outdoor temperature T_j
T_j

Declared coefficient of performance or primary energy ratio for
part load at indoor temperature 20°C and outdoor temperature

T _j = -7°C	P _{dh}	37.90	kW	T _j = -7°C	COP _d	2.50	
T _j = +2°C	P _{dh}	35.24	kW	T _j = +2°C	COP _d	3.55	
T _j = +7°C	P _{dh}	34.40	kW	T _j = +7°C	COP _d	4.10	
T _j = +12°C	P _{dh}	29.80	kW	T _j = +12°C	COP _d	6.83	
T _j = bivalent temperature	P _{dh}	34.40	kW	T _j = bivalent temperature	COP _d	2.00	
T _j = operation limit temperature (***)	P _{dh}	35.20	kW	T _j = operation limit temperature	COP _d	2.19	
Bivalent temperature	T _{biv}	-7	°C	Operation limit temperature	TOL	-10	°C
Degradation Coefficient (**)	C _{dh}	0.90	-	Heating water operating limit temperature	WTOL	75	°C
Power consumption in modes other than active mode				Supplementary Heater			

Off Mode	P _{OFF}	0.014	kW	Rate heat output (*)	P _{sup}	0.74	kW
Thermostat-off mode	P _{TO}	0.014	kW				
Standby mode	P _{SB}	0.014	kW	Type of energy input	Electricity		
Crankcase heater mode	P _{CK}	0.040	kW				
Other items							
Capacity control	Variable			Rated airflow rate, outdoors		5500	m³/h
Outlet temperature capacity control	Variable						
Water flow rate capacity control	Fixed						
(*) For heat pump space heaters and heat pump combination heaters, the rated heat output <i>Prated</i> is equal to the design load for heating <i>Pdesignh</i>, and the rated heat output of a supplementary heater <i>Psup</i> is equal to the supplementary capacity for heating <i>sup(Tj)</i>. (**) Cdh shall be determined for each part load ratio, where applicable, by measurement. If not, the default degradation coefficient is Cdh = 0,9 (***) If the declared <i>TOL</i> is lower than the <i>Tdesignh</i> of the considered climate, then the outdoor dry bulb temperature is equal to <i>Tdesionh</i> for the part load							

Outdoor Unit:

Distributor model: GX 8-35

Factory model: G120S

Indoor Unit: All-in-One3P

Models:

Air-to-water heat pump Yes

Brine-to-water heat pump No

Low temperature heat pump No

Equipped with a supplementary heater Yes

Heat Pump Combination Heater Yes

Parameters shall be declared for Low-temperature applications

Parameters shall be declared for Average Climate Conditions

Item	Symbol	Value	Unit
Rated Heat Output (*)	Prated	35.00	kW
Seasonal space heating energy efficiency	ηs	198.7	%
Energy Classes		A+++	
Seasonal Coefficient of Performance	SCOP	4.78	kWh/kWh
Annual Energy consumption	QHE	6945	kWh
Sound power level indoors/outdoors	LWA	70	dB(A)

Declared capacity for heating for part load at indoor Temperature 20°C and outdoor temperature Tj

Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20°C and outdoor temperature Tj

Tj = -7°C	Pdh	37.20	kW	Tj = -7°C	COPd	2.70	
Tj = +2°C	Pdh	36.10	kW	Tj = +2°C	COPd	4.54	
Tj = +7°C	Pdh	35.00	kW	Tj = +7°C	COPd	4.97	

T _j = +12°C	P _{dh}	30.36	kW	T _j = +12°C	COP _d	7.96	
T _j = bivalent temperature	P _{dh}	37.20	kW	T _j = bivalent temperature	COP _d	2.70	
T _j = operation limit temperature (***)	P _{dh}	35.90	kW	T _j = operation limit temperature	COP _d	2.92	
Bivalent temperature	T _{biv}	-7	°C	Operation limit temperature	TOL	-10	°C
Degradation Coefficient (**)	C _{dh}	0.90	-	Heating water operating limit temperature	WTOL	75	°C
Power consumption in modes other than active mode				Supplementary Heater			
Off Mode	P _{OFF}	0.014	kW	Rate heat output (*)	P _{sup}	0.95	kW
Thermostat-off mode	P _{TO}	0.014	kW				
Standby mode	P _{SB}	0.014	kW	Type of energy input	Electricity		
Crankcase heater mode	P _{CK}	0.040	kW				
Other items							
Capacity control	Variable			Rated airflow rate, outdoors		5500	m³/h
Outlet temperature capacity control	Variable						
Water flow rate capacity control	Fixed						
(*) For heat pump space heaters and heat pump combination heaters, the rated heat output <i>Prated</i> is equal to the design load for heating <i>Pdesignh</i> , and the rated heat output of a supplementary heater <i>Psup</i> is equal to the supplementary capacity for heating <i>sup(Tj)</i> . (**) C _{dh} shall be determined for each part load ratio, where applicable, by measurement. If not, the default degradation coefficient is C _{dh} = 0,9 (***) If the declared <i>TOL</i> is lower than the <i>Tdesignh</i> of the considered climate, then the outdoor dry bulb temperature is equal to <i>Tdesignh</i> for the part load							

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