

**Product fiche** concerning the  
COMMISSION DELEGATED REGULATIONS  
(EU)No 811/2013 of 18 February 2013  
(EU)No 813/2013 of 2 August 2013

Models:	Outdoor Unit:	PHNIX P6
	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		Warmer Climate Conditions

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated Heat Output	Prated	6.3	kW	Seasonal space heating energy efficiency	$\eta_s$	148.4	%
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 = -10°C	Pdh	4.37	kW	Tj = -10°C	COPd	1.9	
Tj = -7°C	Pdh	3.758	kW	Tj = -7°C	COPd	2.12	
Tj = +2°C	Pdh	2.357	kW	Tj = +2°C	COPd	3.01	
Tj = +7°C	Pdh	2.211	kW	Tj = +7°C	COPd	4.04	
Tj = +12°C	Pdh	2.864	kW	Tj = +12°C	COPd	6.7	
Tj = bivalent temperature	Pdh	3.758	kW	Tj = bivalent temperature	COPd	2.12	
Tj = operation limit temperature	Pdh	4.37	kW	Tj = operation limit temperature	COPd	1.9	
Bivalent temperature	Tbiv	-7	°C	Operation limit temperature	TOL	-10	°C
				Heating water operating limit temperature	WTOL	55	°C
<b>Power consumption in modes other than active mode</b>				<b>Supplementary Heater</b>			
Off Mode	P <sub>OFF</sub>	0.013	kW	Rate heat output	P <sub>sup</sub>	0	kW
Thermostat-off mode	P <sub>TO</sub>	0.013	kW				
Standby mode	P <sub>SB</sub>	0.013	kW	Type of energy input	Electrical heater		
Crankcase heater mode	P <sub>CK</sub>	0.043	kW				
<b>Other items</b>							
Capacity control	Variable			Rated airflow rate, outdoors	-		m³/h
Sound power level indoors/outdoors	L <sub>WA</sub>	55	dBA				
Annual Energy consumption	Q <sub>HE</sub>	2739	kWh				
For heat pump combination heater				Water heating energy efficiency	$\eta_{wh}$	-	%
Declared load profile	-	-	-				
Daily electricity consumption	Q <sub>elec</sub>	-	kW/h				
Annual electricity consumption	AEC	-	kW/h				

**Contact Details:**

GUANGDONG PHNIX ECO-ENERGY SOLUTION LTD.

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

For and on behalf of  
GUANGDONG PHNIX ECO-ENERGY SOLUTION LTD.  
广东芬尼克节能设备有限公司  
Max Ma  
Authorized Signature(s)

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Models:	Outdoor Unit:	PHNIX P10A
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		Warmer Climate Conditions

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated Heat Output	Prated	10,1	kW	Seasonal space heating energy efficiency	$\eta_s$	145.7	%
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 = -10°C	Pdh	6.313	kW	Tj = -10°C	COPd	1.69	
Tj = -7°C	Pdh	7.138	kW	Tj = -7°C	COPd	2.20	
Tj = +2°C	Pdh	4.464	kW	Tj = +2°C	COPd	2.98	
Tj = +7°C	Pdh	4.697	kW	Tj = +7°C	COPd	4.34	
Tj = +12°C	Pdh	5.189	kW	Tj = +12°C	COPd	6.42	
Tj = bivalent temperature	Pdh	7.138	kW	Tj = bivalent temperature	COPd	2.20	
Tj = operation limit temperature	Pdh	6.38	kW	Tj = operation limit temperature	COPd	1.69	
Bivalent temperature	Tbiv	-7	°C	Operation limit temperature	TOL	-10	°C
				Heating water operating limit temperature	WTOL	55	°C
<b>Power consumption in modes other than active mode</b>				<b>Supplementary Heater</b>			
Off Mode	P <sub>OFF</sub>	0.060	kW	Rate heat output	P <sub>sup</sub>	0	kW
Thermostat-off mode	P <sub>TO</sub>	0.060	kW				
Standby mode	P <sub>SB</sub>	0.060	kW	Type of energy input	Electrical heater		
Crankcase heater mode	P <sub>CK</sub>	0.069	kW				
<b>Other items</b>							
Capacity control	Variable			Rated airflow rate, outdoors	-		m³/h
Sound power level indoors/outdoors	L <sub>WA</sub>	55	dBA				
Annual Energy consumption	Q <sub>HE</sub>	5163	kWh				
For heat pump combination heater				Water heating energy efficiency	$\eta_{wh}$	-	%
Declared load profile	-	-	-				
Daily electricity consumption	Q <sub>elec</sub>	-	kWh				
Annual electricity consumption	AEC	-	kWh				

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Models:	Outdoor Unit:	PHNIX P10T
	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		Warmer Climate Conditions

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated Heat Output	Prated	8,4	kW	Seasonal space heating energy efficiency	$\eta_s$	146.5	%
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 = -10°C	Pdh	6.392	kW	Tj = -10°C	COPd	1.67	
Tj = -7°C	Pdh	6.826	kW	Tj = -7°C	COPd	1.90	
Tj = +2°C	Pdh	4.364	kW	Tj = +2°C	COPd	2.65	
Tj = +7°C	Pdh	4.210	kW	Tj = +7°C	COPd	4.18	
Tj = +12°C	Pdh	5.009	kW	Tj = +12°C	COPd	6.35	
Tj = bivalent temperature	Pdh	6.826	kW	Tj = bivalent temperature	COPd	1.90	
Tj = operation limit temperature	Pdh	6.392	kW	Tj = operation limit temperature	COPd	1.67	
Bivalent temperature	Tbiv	-7	°C	Operation limit temperature	TOL	-10	°C
				Heating water operating limit temperature	WTOL	55	°C
<b>Power consumption in modes other than active mode</b>				<b>Supplementary Heater</b>			
Off Mode	P <sub>OFF</sub>	0.019	kW	Rate heat output	P <sub>sup</sub>	0	kW
Thermostat-off mode	P <sub>TO</sub>	0.019	kW				
Standby mode	P <sub>SB</sub>	0.019	kW	Type of energy input	Electrical heater		
Crankcase heater mode	P <sub>CK</sub>	0.102	kW				
<b>Other items</b>							
Capacity control	Variable			Rated airflow rate, outdoors	-		m³/h
Sound power level indoors/outdoors	L <sub>WA</sub>	55	dBA				
Annual Energy consumption	Q <sub>HE</sub>	5430	kWh				
<b>For heat pump combination heater</b>				Water heating energy efficiency	$\eta_{wh}$	-	%
Declared load profile	-	-	-				
Daily electricity consumption	Q <sub>elec</sub>	-	kW/h				
Annual electricity consumption	AEC	-	kW/h				

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Models:	Outdoor Unit:	PHNIX P17T
	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		Warmer Climate Conditions

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated Heat Output	Prated	12,2	kW	Seasonal space heating energy efficiency	$\eta_s$	146.4	%
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 = -10°C	Pdh	10.456	kW	Tj = -10°C	COPd	2.12	
Tj = -7°C	Pdh	9.183	kW	Tj = -7°C	COPd	2.37	
Tj = +2°C	Pdh	5.850	kW	Tj = +2°C	COPd	3.07	
Tj = +7°C	Pdh	7.190	kW	Tj = +7°C	COPd	4.57	
Tj = +12°C	Pdh	7.529	kW	Tj = +12°C	COPd	6.83	
Tj = bivalent temperature	Pdh	9.183	kW	Tj = bivalent temperature	COPd	2.37	
Tj = operation limit temperature	Pdh	10.456	kW	Tj = operation limit temperature	COPd	2.12	
Bivalent temperature	Tbiv	-7	°C	Operation limit temperature	TOL	-10	°C
				Heating water operating limit temperature	WTOL	55	°C
<b>Power consumption in modes other than active mode</b>				<b>Supplementary Heater</b>			
Off Mode	P <sub>OFF</sub>	0.021	kW	Rate heat output	P <sub>sup</sub>	0	kW
Thermostat-off mode	P <sub>TO</sub>	0.021	kW				
Standby mode	P <sub>SB</sub>	0.021	kW	Type of energy input	Electrical heater		
Crankcase heater mode	P <sub>CK</sub>	0.040	kW				
<b>Other items</b>							
Capacity control	Variable			Rated airflow rate, outdoors	-		m³/h
Sound power level indoors/outdoors	L <sub>WA</sub>	65	dBA				
Annual Energy consumption	Q <sub>HE</sub>	6289	kWh				
<b>For heat pump combination heater</b>				Water heating energy efficiency	$\eta_{wh}$	-	%
Declared load profile	-	-	-				
Daily electricity consumption	Q <sub>elec</sub>	-	kW/h				
Annual electricity consumption	AEC	-	kW/h				

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Models:	Outdoor Unit:	PHNIX P24T
	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		Warmer Climate Conditions

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated Heat Output	Prated	19.1	kW	Seasonal space heating energy efficiency	$\eta_s$	139.9	%
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 = -10°C	Pdh	16.243	kW	Tj = -10°C	COPd	1.65	
Tj = -7°C	Pdh	15.899	kW	Tj = -7°C	COPd	2.00	
Tj = +2°C	Pdh	9.475	kW	Tj = +2°C	COPd	2.71	
Tj = +7°C	Pdh	9.844	kW	Tj = +7°C	COPd	4.30	
Tj = +12°C	Pdh	11.124	kW	Tj = +12°C	COPd	5.84	
Tj = bivalent temperature	Pdh	15.899	kW	Tj = bivalent temperature	COPd	2.00	
Tj = operation limit temperature	Pdh	16.243	kW	Tj = operation limit temperature	COPd	1.65	
Bivalent temperature	Tbiv	-7	°C	Operation limit temperature	TOL	-10	°C
				Heating water operating limit temperature	WTOL	55	°C
<b>Power consumption in modes other than active mode</b>				<b>Supplementary Heater</b>			
Off Mode	P <sub>OFF</sub>	0.027	kW	Rate heat output	P <sub>sup</sub>	0	kW
Thermostat-off mode	P <sub>TO</sub>	0.027	kW				
Standby mode	P <sub>SB</sub>	0.027	kW	Type of energy input	Electrical heater		
Crankcase heater mode	P <sub>CK</sub>	0.097	kW				
<b>Other items</b>							
Capacity control	Variable			Rated airflow rate, outdoors	-		m³/h
Sound power level indoors/outdoors	L <sub>WA</sub>	74	dBA				
Annual Energy consumption	Q <sub>HE</sub>	12457	kWh				
<b>For heat pump combination heater</b>				Water heating energy efficiency	$\eta_{wh}$	-	%
Declared load profile	-	-	-				
Daily electricity consumption	Q <sub>elec</sub>	-	kW/h				
Annual electricity consumption	AEC	-	kW/h				

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