

PRODUCT INFORMATION / TECHNICAL INFORMATION

Model(s):	Outdoor unit:	WARMIUM P182 V1
	Indoor unit:	None
Air-to-water heat pump:		Yes
Water-to-water heat pump:		No
Brine-to-water heat pump:		No
Low-temperature heat pump:		No
Equipped with a supplementary heater:		No
Heat pump combination heater:		No
Parameters for:		Low-temperature application.
Parameters for:		Average climate conditions.

Item	Symbol	Value	Unit
Rated heat output (*)	Prated	16,45	kW
Seasonal space heating energy efficiency	η_s	175	%
Energy Classes		A+++	
Seasonal Coefficient of Performance	SCOP	4,46	kWh/kWh
Annual Energy consumption	Q_{HE}	7622	kWh
Sound power level, indoors/outdoors	LWA	66	dB(A)

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

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

Tj = -7°C	Pdh	14,55	kW	Tj = -7°C	COPd	3,55	-
Tj = +2°C	Pdh	8,79	kW	Tj = +2°C	COPd	4,29	-
Tj = +7°C	Pdh	8,74	kW	Tj = +7°C	COPd	5,18	-
Tj = +12°C	Pdh	9,93	kW	Tj = +12°C	COPd	6,79	-
Tj = bivalent temperature	Pdh	14,55	kW	Tj = bivalent temperature	COPd	3,55	-
Tj = operation limit temperature	Pdh	16,54	kW	Tj = operation limit temperature	COPd	3	-
Bivalent temperature	Tbiv	-7	°C	Operation limit temperature	TOL	-10	°C
				Heating water operating limit temperature	WTOL	55	°C

Power consumption in modes other than active mode				Supplementary heater			
Off mode	P _{OFF}	0,005	kW	Rated heat output	P _{sup}	-	kW
Thermostat-off mode	P _{TO}	0,005	kW	Type of energy input	-		
Standby mode	P _{SB}	0,005	kW				
Cranmkcase heater mode	P _{CK}	0,05	kW				

Other items							
Capacity control	Variable			Rated airflow rate, outdoors	-	6460	m3/h
Outlet temperature capacity control	Variable						
Water flow capacity control	Fixed						
Contact details:	Partida Lloma llarga, Pol. 17, Parc. 5, 46119 Naquera, Valencia			Name of the supplier: SHURECO IBERICA INTL., S.L.			

(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).

(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.

(***) If the declared TOL is lower than the T designh of the considered climate then the outdoor dry bulb temperature Tj is equal to T designh.

This information is based on EU regulation No 811/2013 and No 813/2013

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	Indoor unit:	None
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Water-to-water heat pump:		No
Brine-to-water heat pump:		No
Low-temperature heat pump:		No
Equipped with a supplementary heater:		No
Heat pump combination heater:		No
Parameters for:		Medium-temperature application.
Parameters for:		Average climate conditions.

Item	Symbol	Value	Unit
Rated heat output (*)	Prated	17,04	kW
Seasonal space heating energy efficiency	η_s	137	%
Energy Classes		A++	
Seasonal Coefficient of Performance	SCOP	3,51	kWh/kWh
Annual Energy consumption	Q_{HE}	10032	kWh
Sound power level, indoors/outdoors	LWA	68	dB(A)

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

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

Tj = -7°C	Pdh	15,08	kW	Tj = -7°C	COPd	2,33	-
Tj = +2°C	Pdh	9,21	kW	Tj = +2°C	COPd	3,49	-
Tj = +7°C	Pdh	6,54	kW	Tj = +7°C	COPd	4,15	-
Tj = +12°C	Pdh	7,95	kW	Tj = +12°C	COPd	5,96	-
Tj = bivalent temperature	Pdh	15,08	kW	Tj = bivalent temperature	COPd	2,33	-
Tj = operation limit temperature	Pdh	13,81	kW	Tj = operation limit temperature	COPd	2,15	-
Bivalent temperature	Tbiv	-7	°C	Operation limit temperature	TOL	-10	°C
				Heating water operating limit temperature	WTOL	55	°C

Power consumption in modes other than active mode				Supplementary heater			
Off mode	P _{OFF}	0,005	kW	Rated heat output	P _{sup}	-	kW
Thermostat-off mode	P _{TO}	0,005	kW	Type of energy input	-		
Standby mode	P _{SB}	0,005	kW				
Cranmkcase heater mode	P _{CK}	0,05	kW				

Other items							
Capacity control	Variable			Rated airflow rate, outdoors	-	6460	m3/h
Outlet temperature capacity control	Variable						
Water flow capacity control	Fixed						
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(***) If the declared TOL is lower than the T designh of the considered climate then the outdoor dry bulb temperature Tj is equal to T designh.

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