

Models:	classic P H 5-25 / classic P HC 5-25
Air-to-water heat pump:	no
Water-to-water heat pump:	no
Brine-to-water heat pump:	yes
Application:	Low temperature (35 °C)
Equipped with supplementary heater:	no
Heat pump combination heater:	no

Parameter	Symbol	Value	Unit
Rated heat output	Prated	25	kW
Declared heating capacity for part load at inner temperature of 20 °C and outdoor temperature Tj			
Tj = − 7 °C	Pdh	22.2	kW
Tj = + 2 °C	Pdh	13.5	kW
Tj = + 7 °C	Pdh	8.7	kW
Tj = + 12 °C	Pdh	5.0	kW
Tj = bivalent temperature	Pdh	21.4	kW
Tj = limit temperature	Pdh	15.7	kW
Air-to-water heat pumps: Tj = − 15 °C (if TOL< − 20 °C)	Pdh	-	kW
Bivalent temperature	Tbiv	-10	°C
Cycling interval capacity for heating	Pcych	-	kW
Degradation coefficient	Cdh	0.9	-
Power consumption in modes different than active mode			
Off mode	POFF	0.005	kW
Off by thermostat	PTO	0.010	kW
Standby mode	PSB	0.010	kW
Crankcase heater mode	PCK	0.000	kW
Other parameters			
Capacity control	variable		
Sound power level (indoor/outdoor)	LWA	42 / 0	dB
Annual energy consumption:	QHE	9666	kWh
For heat pump combination heater:			
Declared load profile	-		
Daily electricity consumption	Qelec	-	kWh
Annual energy consumption	AEC	-	kWh

Parameter	Symbol	Value	Unit
Energy efficiency	ηs	219	%
Declared COP for part load at inner temperature of 20 °C and outdoor temperature Tj			
Tj = − 7 °C	COPd	4.7	-
Tj = + 2 °C	COPd	5.5	-
Tj = + 7 °C	COPd	5.9	-
Tj = + 12 °C	COPd	6.3	-
Tj = bivalent temperature	COPd	3.4	-
Tj = limit temperature	COPd	2.7	-
Air-to-water heat pumps: Tj = − 15 °C (if TOL< − 20 °C)	COPd	-	%
In air-to-water heat pumps: limit temperature	TOL	-	°C
Cycling interval COP	COPcyc	-	%
Heating water operating limit	WTOL	65	°C
Supplementary heater			
Rated heat output	PTo	-	kW
Type of energy input	-		
Air-to-water heat pumps: Nominal airflow			
Water-to-water and brine-to-water heat pumps: Nominal flow rates of water or brine in outdoor heat exchanger	-	4.02	m³/h
For heat pump combination heater:			
Water heating energy efficiency	ηwh	-	%
Daily fuel consumption	Qfuel	-	kWh
Annual fuel consumption	AFC	-	GJ