

Models:	classic P H 3-15 / classic P HC 3-15
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	Parameter	Symbol	Value	Unit
Rated heat output	Prated	15	kW	Energy efficiency	$\eta_s$	208	%
Declared heating capacity for part load at inner temperature of 20 °C and outdoor temperature $T_j$				Declared COP for part load at inner temperature of 20 °C and outdoor temperature $T_j$			
$T_j = -7\text{ °C}$	Pdh	13.3	kW	$T_j = -7\text{ °C}$	COPd	4.5	-
$T_j = +2\text{ °C}$	Pdh	8.1	kW	$T_j = +2\text{ °C}$	COPd	5.2	-
$T_j = +7\text{ °C}$	Pdh	5.2	kW	$T_j = +7\text{ °C}$	COPd	5.6	-
$T_j = +12\text{ °C}$	Pdh	3.0	kW	$T_j = +12\text{ °C}$	COPd	5.9	-
$T_j =$ bivalent temperature	Pdh	14.7	kW	$T_j =$ bivalent temperature	COPd	-	-
$T_j =$ limit temperature	Pdh	10.3	kW	$T_j =$ limit temperature	COPd	-	-
Air-to-water heat pumps: $T_j = -15\text{ °C}$ (if $TOL < -20\text{ °C}$ )	Pdh	-	kW	Air-to-water heat pumps: $T_j = -15\text{ °C}$ (if $TOL < -20\text{ °C}$ )	COPd	-	%
Bivalent temperature	$T_{biv}$	-10	°C	In air-to-water heat pumps: limit temperature	TOL	-	°C
Cycling interval capacity for heating	Pcyc	-	kW	Cycling interval COP	COPcyc	-	%
Degradation coefficient	Cdh	0.9	-	Heating water operating limit	WTOL	65	°C
Power consumption in modes different than active mode				Supplementary heater			
Off mode	$P_{OFF}$	0.005	kW	Rated heat output	$P_{TO}$	-	kW
Off by thermostat	$P_{TO}$	0.010	kW	Type of energy input	-		
Standby mode	$P_{SB}$	0.010	kW	Air-to-water heat pumps: Nominal airflow			
Crankcase heater mode	$P_{CK}$	0.000	kW	Water-to-water and brine-to-water heat pumps: Nominal flow rates of water or brine in outdoor heat exchanger			
Other parameters				For heat pump combination heater:			
Capacity control	variable			Water heating energy efficiency	$\eta_{wh}$	-	%
Sound power level (indoor/outdoor)	$L_{WA}$	42 / 0	dB	Daily fuel consumption	$Q_{fuel}$	-	kWh
Annual energy consumption:	$Q_{HE}$	6103	kWh	Annual fuel consumption	AFC	-	GJ
For heat pump combination heater:				Declared load profile			
Declared load profile				-			
Daily electricity consumption	$Q_{elec}$	-	kWh	Daily electricity consumption			
Annual energy consumption	AEC	-	kWh	Annual energy consumption			