

Models:	strong P H 15-150 / strong P HC 15-150
Air-to-water heat pump:	no
Water-to-water heat pump:	no
Brine-to-water heat pump:	yes
Application:	Medium temperature (55 °C)
Equipped with supplementary heater:	no
Heat pump combination heater:	no

Parameter	Symbol	Value	Unit	Parameter	Symbol	Value	Unit
Rated heat output	Prated	150	kW	Energy efficiency	$\eta_s$	169	%
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 $T_j$			
$T_j = -7$ °C	Pdh	132.7	kW	$T_j = -7$ °C	COPd	3.3	-
$T_j = +2$ °C	Pdh	80.7	kW	$T_j = +2$ °C	COPd	4.2	-
$T_j = +7$ °C	Pdh	51.9	kW	$T_j = +7$ °C	COPd	4.7	-
$T_j = +12$ °C	Pdh	23.1	kW	$T_j = +12$ °C	COPd	5.2	-
$T_j$ = bivalent temperature	Pdh	-	kW	$T_j$ = bivalent temperature	COPd	-	-
$T_j$ = limit temperature	Pdh	-	kW	$T_j$ = limit temperature	COPd	-	-
Air-to-water heat pumps: $T_j = -15$ °C (if TOL < -20 °C)	Pdh		kW	Air-to-water heat pumps: $T_j = -15$ °C (if TOL < -20 °C)	COPd	-	%
Bivalent temperature	$T_{biv}$	-10	°C	In air-to-water heat pumps: limit temperature	TOL	-	°C
Cycling interval capacity for heating	P <sub>cyh</sub>	-	kW	Cycling interval COP	COP <sub>cyh</sub>	-	%
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 <sub>OFF</sub>	0.005	kW	Rated heat output	P <sub>TO</sub>	-	kW
Off by thermostat	P <sub>TO</sub>	0.010	kW	Type of energy input		-	
Standby mode	P <sub>SB</sub>	0.010	kW				
Crankcase heater mode	P <sub>CK</sub>	0.000	kW				
Other parameters							
Capacity control		variable		Air-to-water heat pumps: Nominal airflow		-	m <sup>3</sup> /h
Sound power level (indoor/outdoor)	L <sub>WA</sub>	68 / 0	dB	Water-to-water and brine-to- water heat pumps: Nominal flow rates of water or brine in outdoor heat exchanger		-	30.8 m <sup>3</sup> /h
Annual energy consumption:	Q <sub>HE</sub>	73417	kWh	For heat pump combination heater:			
For heat pump combination heater:				Water heating energy efficiency	$\eta_{wh}$		%
Declared load profile				Daily fuel consumption	Q <sub>fuel</sub>	-	kWh
Daily electricity consumption	Q <sub>elec</sub>		kWh	Annual fuel consumption	AFC	-	GJ
Annual energy consumption	AEC		kWh				