

Models:	strong H 12-150 / strong HC 12-150
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	150	kW	Energy efficiency	η_s	210	%
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	4.8	-
$T_j = +2$ °C	Pdh	80.8	kW	$T_j = +2$ °C	COPd	4.2	-
$T_j = +7$ °C	Pdh	51.9	kW	$T_j = +7$ °C	COPd	5.5	-
$T_j = +12$ °C	Pdh	23.1	kW	$T_j = +12$ °C	COPd	5.7	-
$T_j =$ 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}	-	°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				
Crankcase heater mode	P_{CK}	0.000	kW				
Other parameters							
Capacity control		variable					
Sound power level (indoor/outdoor)	L_{WA}	80 / 0	dB	Air-to-water heat pumps: Nominal airflow		-	m ³ /h
Annual energy consumption:	Q_{HE}	59149	kWh	Water-to-water and brine-to-water heat pumps: Nominal flow rates of water or brine in outdoor heat exchanger		26.58	m ³ /h
For heat pump combination heater:				For heat pump combination heater:			
Declared load profile		-		Water heating energy efficiency	η_{wh}	-	%
Daily electricity consumption	Q_{elec}	-	kWh	Daily fuel consumption	Q_{fuel}	-	kWh
Annual energy consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	GJ