

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:	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	η_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			
$T_j = -7\text{ °C}$	Pdh	132.7	kW	$T_j = -7\text{ °C}$	COPd	3.5	-
$T_j = +2\text{ °C}$	Pdh	80.8	kW	$T_j = +2\text{ °C}$	COPd	4.2	-
$T_j = +7\text{ °C}$	Pdh	51.9	kW	$T_j = +7\text{ °C}$	COPd	4.7	-
$T_j = +12\text{ °C}$	Pdh	23.1	kW	$T_j = +12\text{ °C}$	COPd	5.2	-
$T_j = \text{bivalent temperature}$	Pdh	-	kW	$T_j = \text{bivalent temperature}$	COPd	-	-
$T_j = \text{limit temperature}$	Pdh	-	kW	$T_j = \text{limit temperature}$	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}	-	°C	In air-to-water heat pumps: limit temperature	TOL	-	°C
Cycling interval capacity for heating	P _{cyh}	-	kW	Cycling interval COP	COP _{cy}	-	%
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	η_{wh}	-	%
Sound power level (indoor/outdoor)	L _{WA}	80 / 0	dB	Daily fuel consumption	Q _{fuel}	-	kWh
Annual energy consumption:	Q _{HE}	73417	kWh	Annual fuel consumption	AFC	-	GJ
For heat pump combination heater:				Declared load profile			
Declared load profile				-			
Daily electricity consumption	Q _{elec}	-	kWh				
Annual energy consumption	AEC	-	kWh				