

Models:	classic HC 1-10 / classic H 1-10
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	10	kW	Energy efficiency	$\eta_s$	227	%
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	8.8	kW	$T_j = -7$ °C	COPd	5.3	-
$T_j = +2$ °C	Pdh	5.4	kW	$T_j = +2$ °C	COPd	5.7	-
$T_j = +7$ °C	Pdh	3.5	kW	$T_j = +7$ °C	COPd	6.0	-
$T_j = +12$ °C	Pdh	1.5	kW	$T_j = +12$ °C	COPd	6.2	-
$T_j =$ 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	$T_{biv}$	-	°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)	$L_{WA}$	40 / 0	dB	Air-to-water heat pumps: Nominal airflow		-	m <sup>3</sup> /h
Annual energy consumption:	$Q_{HE}$	3639	kWh	Water-to-water and brine-to-water heat pumps: Nominal flow rates of water or brine in outdoor heat exchanger		1.85	m <sup>3</sup> /h
For heat pump combination heater:				For heat pump combination heater:			
Declared load profile		-		Water heating energy efficiency	$\eta_{wh}$	-	%
Daily electricity consumption	$Q_{elec}$	-	kWh	Daily fuel consumption	$Q_{fuel}$	-	kWh
Annual energy consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	GJ