

(**)If C_{dh} is not determined by measurement then the default degradation coefficient is $C_{dh} = 0.9$.

Model(s):CA0140HANH							
Air-to-water heat pump:yes							
Water-to-water heat pump:no							
Brine-to-water heat pump:no							
Low-temperature heat pump:no							
Equipped with a supplementary heater:no							
Heat pump combination heater:no							
This table shows the medium temperature water output parameters for an average climate							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output(*)	Prated	130	kW	Seasonal space heating energy efficiency	η_s	149.0	%
$T_j = -7^{\circ}\text{C}$	Pdh	117.25	kW	$T_j = -7^{\circ}\text{C}$	COP _d	2.32	-
$T_j = +2^{\circ}\text{C}$	Pdh	73.69	kW	$T_j = +2^{\circ}\text{C}$	COP _d	3.74	-
$T_j = +7^{\circ}\text{C}$	Pdh	45.53	kW	$T_j = +7^{\circ}\text{C}$	COP _d	4.88	-
$T_j = +12^{\circ}\text{C}$	Pdh	31.01	kW	$T_j = +12^{\circ}\text{C}$	COP _d	6.57	-
T_j = bivalent temperature	Pdh	117.25	kW	T_j = bivalent temperature	COP _d	2.32	-
T_j = operation limit temperature	Pdh	118.92	kW	T_j = operation limit temperature	COP _d	2.12	kW
Bivalent temperature	T _{biv}	-7	°C	For air-to-water heat pumps: Operation limit temperature	TOL	-10	°C
Cycling interval capacity for Heating	P _{ych}	x,x	kW	Cycling interval efficiency	COP _{cyc} or PER _{cyc}	x,xx or x,x	- or %
Degradation co-efficient(**)	Cdh	x,x	—	Heating water operating limit temperature	WTOL	x	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P _{OFF}	0.043	kW	Rated heat output(**)	P _{sup}	142	kW
Thermostat-off mode	P _{TO}	0.290	kW	Type of energy input			
Standby mode	P _{SB}	0.034	kW				
Crankcase heater mode	P _{CK}	0.000	kW				
Other items							
Capacity control	Fixed/variable			For air-to-water heat pumps: Rated air flow rate, outdoors	—	50800	m³/h
Sound power level, outdoors	L _{WA}	91	dB				
Contact details	Name and address of the manufacturer or its authorized representative.						

(*)For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).

(**)If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0.9.