


Model(s):		NIBE F1345-30							
Type of heat source/sink:		Brine-to-water							
Low-temperature heat pump:		No							
Equipped with supplementary heater:		No							
Heat pump combination heater:		No							
Climate condition:		Average							
Temperature application:		Medium temperature (55 °C)							
Applied standards: EN14825									
Rated heat output		Prated	35,0	kW	Seasonal space heating energy efficiency		η_s	137	%
<i>Declared capacity for part load at outdoor temperature Tj</i>				<i>Declared coefficient of performance for part load at outdoor temperature Tj</i>					
Tj = -7 °C	Pdh	29,5	kW	Tj = -7 °C	COPd	3,15	kW		
Tj = +2 °C	Pdh	30,2	kW	Tj = +2 °C	COPd	3,64	kW		
Tj = +7 °C	Pdh	15,3	kW	Tj = +7 °C	COPd	4,09	kW		
Tj = +12 °C	Pdh	15,4	kW	Tj = +12 °C	COPd	4,40	kW		
Tj = biv	Pdh	29,6	kW	Tj = biv	COPd	3,23	kW		
Tj = TOL	Pdh	29,3	kW	Tj = TOL	COPd	2,99	kW		
Tj = -15 °C (if TOL < -20 °C)	Pdh		kW	Tj = -15 °C (if TOL < -20 °C)	COPd		kW		
Bivalent temperature				T _{biv}	-6	°C		Operation limit temperature	
Cycling interval capacity for heating				P _{cyh}		kW		Cycling interval efficiency	
Degradation co-efficient				Cdh	0,99	-		Heating water operating limit	
				WTOL					
				65					
				°C					
<i>Power consumption in modes other than active mode</i>				<i>Supplementary heater</i>					
Off mode	P _{OFF}	0,002	kW	Rated heat output		P _{sup}	5,7	kW	
Thermostat-off mode	P _{TO}	0,04	kW						
Standby mode	P _{SB}	0,007	kW	Type of energy input		Electric			
Crankcase heater mode	P _{CK}	0,07	kW						
<i>Other items</i>									
Capacity control	variable			Rated air flow rate, outdoors				m ³ /h	
Sound power level, indoors/outdoors	L _{WA}	47/-	dB	Rated water flow rate, indoor heat exchanger		3,15		m ³ /h	
Annual energy consumption	Q _{HE}	19880	kWh	Rated brine or water flow rate, outdoor heat exchanger		5,83		m ³ /h	
<i>For heat pump combination heater:</i>									
Declared load profile				Water heating energy efficiency		η_{wh}			%
Daily electricity consumption	Q _{elec}		kWh	Daily fuel consumption		Q _{fuel}			kWh
Annual electricity consumption	AEC		kWh	Annual fuel consumption		AFC			GJ
Approved by:									
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