


Model(s):		NIBE F1255-16								
Type of heat source/sink:		Brine-to-water								
Low-temperature heat pump:		No								
Equipped with supplementary heater:		Yes								
Heat pump combination heater:		Yes								
Climate condition:		Average								
Temperature application:		Medium temperature (55 °C)								
Applied standards: EN14825 and EN16147										
Rated heat output		Prated	16,0	kW	Seasonal space heating energy efficiency		η_s	154	%	
<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	14,2	kW	Tj = -7 °C	COPd	3,0	kW			
Tj = +2 °C	Pdh	8,7	kW	Tj = +2 °C	COPd	4,1	kW			
Tj = +7 °C	Pdh	5,6	kW	Tj = +7 °C	COPd	4,9	kW			
Tj = +12 °C	Pdh	5,5	kW	Tj = +12 °C	COPd	5,0	kW			
Tj = biv	Pdh	15,4	kW	Tj = biv	COPd	2,8	kW			
Tj = TOL	Pdh	15,4	kW	Tj = TOL	COPd	2,8	kW			
Tj = -15 °C (if TOL < -20 °C)	Pdh		kW	Tj = -15 °C (if TOL < -20 °C)	COPd		kW			
Bivalent temperature				T _{biv}	-10	°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			
<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}	0,6	kW		
Thermostat-off mode	P _{TO}	0,02	kW							
Standby mode	P _{SB}	0,007	kW	Type of energy input		Electric				
Crankcase heater mode	P _{CK}	0,03	kW							
<i>Other items</i>										
Capacity control	variable			Rated air flow rate, outdoors				m ³ /h		
Sound power level, indoors/outdoors	L _{WA}	42/-	dB							
Annual energy consumption	Q _{HE}	8167	kWh	Rated brine or water flow rate, outdoor heat exchanger		1,84		m ³ /h		
<i>For heat pump combination heater:</i>										
Declared load profile		XL		Water heating energy efficiency		η_{wh}	98	%		
				Daily fuel consumption		Q _{fuel}		kWh		
Daily electricity consumption	Q _{elec}	7,78	kWh	Annual fuel consumption		AFC		GJ		
Annual electricity consumption	AEC	1709	kWh							
Approved by:										
Contact details		© NIBE Energy Systems - Box 14 - Hannabadsvägen 5 - 28521 Markaryd - Sweden								