


Model(s):		NIBE F135							
Type of heat source/sink:		Exhaust air-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	1,5	kW	Seasonal space heating energy efficiency		ηs	114	%
Declared capacity for part load at outdoor temperature Tj				Declared coefficient of performance for part load at outdoor temperature Tj					
Tj = -7 °C	Pdh	1,3	kW	Tj = -7 °C	COPd	3,0	kW		
Tj = +2 °C	Pdh	1,3	kW	Tj = +2 °C	COPd	3,1	kW		
Tj = +7 °C	Pdh	1,3	kW	Tj = +7 °C	COPd	3,3	kW		
Tj = +12 °C	Pdh	1,4	kW	Tj = +12 °C	COPd	3,3	kW		
Tj = biv	Pdh	1,2	kW	Tj = biv	COPd	2,7	kW		
Tj = TOL	Pdh	1,2	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	Tbiv	-6,9	°C	Operation limit temperature		TOL	-10	°C	
Cycling interval capacity for heating	Pcyh		kW	Cycling interval efficiency		COPcyh		-	
Degradation co-efficient	Cdh	0,98	-	Heating water operating limit temperature		WTOL	58	°C	
Power consumption in modes other than active mode				Supplementary heater					
Off mode	P <sub>OFF</sub>	0,003	kW	Rated heat output		Psup	0,3	kW	
Thermostat-off mode	P <sub>TO</sub>	0,01	kW						
Standby mode	P <sub>SB</sub>	0,005	kW	Type of energy input		Electric			
Crankcase heater mode	P <sub>CK</sub>	0,01	kW						
Other items									
Capacity control	fixed			Rated air flow rate, outdoors			150	m³/h	
Sound power level, indoors/outdoors	L <sub>WA</sub>	47/-	dB	Rated water flow rate, indoor heat exchanger			0,13	m³/h	
Annual energy consumption	Q <sub>HE</sub>	1087	kWh	Rated brine or water flow rate, outdoor heat exchanger				m³/h	
For heat pump combination heater:									
Declared load profile				Water heating energy efficiency		η <sub>wh</sub>		%	
Daily electricity consumption	Q <sub>elec</sub>		kWh	Daily fuel consumption		Q <sub>fuel</sub>		kWh	
Annual electricity consumption	AEC		kWh	Annual fuel consumption		AFC		GJ	
Approved by:									
Contact details		© NIBE Energy Systems - Box 14 - Hannabadsvägen 5 - 28521 Markaryd - Sweden							

Supplier's name:	<b>NIBE</b>		
Model:	<b>NIBE F135</b>		
Temperature application	35	55	°C
Declared load profile for water heating			
Seasonal space heating energy efficiency class, average climate:	<b>A+</b>	<b>A+</b>	
Water heating energy efficiency class, average climate:			
Rated heat output, average climate:	2	2	kW
Annual energy consumption for space heating, average climate	879	1087	kWh
Annual electricity consumption for water heating, average climate			kWh
Seasonal space heating energy efficiency, average climate:	141	114	%
Water heating energy efficiency, average climate:			%
Sound power level LWA indoors	47		dB
Rated heat output, cold climate:	2	2	kW
Rated heat output, warm climate:	2	2	kW
Annual energy consumption for space heating, cold climate	1004	1264	kWh
Annual electricity consumption for water heating, cold climate			kWh
Annual energy consumption for space heating, warm climate	587	731	kWh
Annual electricity consumption for water heating, warm climate			kWh
Seasonal space heating energy efficiency, cold climate:	147	117	%
Water heating energy efficiency, cold climate:			%
Seasonal space heating energy efficiency, warm climate:	136	110	%
Water heating energy efficiency, warm climate:			%
Sound power level LWA outdoors	-		dB