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NIBE NIBE F135

	55 °C	35 °C
	A+	A+

A+++
A++
A+
A
B
C
D

47 dB

dB

2	2	2
2	2	2
2	kW	kW

2019 811/2013

Supplier's name:	**NIBE**		
Model:	**NIBE F135**		
Temperature application	35	55	°C
Declared load profile for water heating			
Seasonal space heating energy efficiency class, average climate:	**A+**	**A+**	
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

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**	η_s	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	-
Tj = +2 °C	Pdh	1,3	kW		Tj = +2 °C	COPd	3,1	-
Tj = +7 °C	Pdh	1,3	kW		Tj = +7 °C	COPd	3,3	-
Tj = +12 °C	Pdh	1,4	kW		Tj = +12 °C	COPd	3,3	-
Tj = biv	Pdh	1,2	kW		Tj = biv	COPd	2,7	-
Tj = TOL	Pdh	1,2	kW		Tj = TOL	COPd	2,8	-
Tj = -15 °C (if TOL < -20 °C)	Pdh		kW		Tj = -15 °C (if TOL < -20 °C)	COPd		-
Bivalent temperature	T_{biv}	-6,9	°C		Operation limit temperature	TOL	-10	°C
Cycling interval capacity for heating	Pcych		kW		Cycling interval efficiency	COPcyc		-
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_{OFF}	0,003	kW		Rated heat output	Psup	0,3	kW
Thermostat-off mode	P_{TO}	0,01	kW					
Standby mode	P_{SB}	0,005	kW		Type of energy input	Electric		
Crankcase heater mode	P_{CK}	0,01	kW					
Other items								
Capacity control	fixed				Rated air flow rate, outdoors		150	m^3/h
Sound power level, indoors/outdoors	L_{WA}	47/-	dB		Rated water flow rate, indoor heat exchanger		0,13	m^3/h
Annual energy consumption	Q_{HE}	1087	kWh		Rated brine or water flow rate, outdoor heat exchanger			m^3/h
For heat pump combination heater:								
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:								
Contact details	**© NIBE Energy Systems - Box 14 - Hannabadsvägen 5 - 28521 Markaryd - Sweden**							