



ENERG
енергия · ενεργεια

Y IJA
IE IA

NIBE

NIBE F135



55 °C

35 °C



A+

A+



47 dB



dB

■ 2
■ 2
■ 2
kW


■ 2
■ 2
■ 2
kW



2015

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	%			
<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	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				P _{cyh}		kW	Cycling interval efficiency			COP _{cyh}		-
Degradation co-efficient				Cdh	0,98	-	Heating water operating limit temperature			WTOL	58	°C
<i>Power consumption in modes other than active mode</i>				<i>Supplementary heater</i>								
Off mode	P _{OFF}	0,003	kW	Rated heat output		P _{sup}	0,3	kW				
Thermostat-off mode	P _{TO}	0,01	kW	Type of energy input		Electric						
Standby mode	P _{SB}	0,005	kW									
Crankcase heater mode	P _{CK}	0,01	kW									
<i>Other items</i>												
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			
<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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