ENERGY

NIBE NIBE F1345-24

	55 °C	35 °C
	A++	A+++

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

47 dB

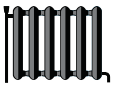
dB

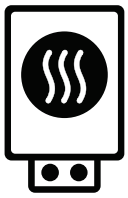
	28	28
	28	**28**
	28	28
	kW	kW

2019 811/2013

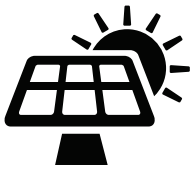
ENERGY

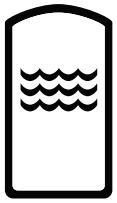
NIBE F1345-24





A++

+  ☐

+  ☐

+ ☑

+ ☐

A+++
A++
A+
A
B
C
D
E
F
G

A++

2015 811/2013

Supplier's name:	NIBE		
Model:	NIBE F1345-24		
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:	28	28	kW
Annual energy consumption for space heating, average climate	11996	15287	kWh
Annual electricity consumption for water heating, average climate			kWh
Seasonal space heating energy efficiency, average climate:	185	143	%
Water heating energy efficiency, average climate:			%
Sound power level LWA indoors	47		dB
Rated heat output, cold climate:	28	28	kW
Rated heat output, warm climate:	28	28	kW
Annual energy consumption for space heating, cold climate	13730	17514	kWh
Annual electricity consumption for water heating, cold climate			kWh
Annual energy consumption for space heating, warm climate	7823	9904	kWh
Annual electricity consumption for water heating, warm climate			kWh
Seasonal space heating energy efficiency, cold climate:	193	150	%
Water heating energy efficiency, cold climate:			%
Seasonal space heating energy efficiency, warm climate:	183	143	%
Water heating energy efficiency, warm climate:			%
Sound power level LWA outdoors	-		dB

Data for package fiche

Controller class	II		
Controler contribution to efficiency	2		%
Seasonal space heating energy efficiency of package, average climate:	187	145	%
Seasonal space heating energy efficiency class for package, average climate:	**A+++**	**A++**	%
Seasonal space heating energy efficiency of package, cold climate:	195	152	%
Seasonal space heating energy efficiency of package, warm climate:	185	145	%

Model(s):		**NIBE F1345-24**						
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	28,0	kW		**Seasonal space heating energy efficiency**	η_s	143	%
Declared capacity for part load at outdoor temperature Tj					*Declared coefficient of performance for part load at outdoor temperature Tj*			
Tj = -7 °C	Pdh	22,2	kW		Tj = -7 °C	COPd	3,27	-
Tj = +2 °C	Pdh	22,8	kW		Tj = +2 °C	COPd	3,83	-
Tj = +7 °C	Pdh	11,7	kW		Tj = +7 °C	COPd	4,31	-
Tj = +12 °C	Pdh	11,8	kW		Tj = +12 °C	COPd	4,58	-
Tj = biv	Pdh	22,4	kW		Tj = biv	COPd	3,45	-
Tj = TOL	Pdh	22,0	kW		Tj = TOL	COPd	3,10	-
Tj = -15 °C (if TOL < -20 °C)	Pdh		kW		Tj = -15 °C (if TOL < -20 °C)	COPd		-
Bivalent temperature	T_{biv}	-4,8	°C		Operation limit temperature	TOL	-10	°C
Cycling interval capacity for heating	Pcych		kW		Cycling interval efficiency	COPcyc		-
Degradation co-efficient	Cdh	0,99	-		Heating water operating limit	WTOL	65	°C
Power consumption in modes other than active mode					*Supplementary heater*			
Off mode	P_{OFF}	0,002	kW		Rated heat output	Psup	6,0	kW
Thermostat-off mode	P_{TO}	0,03	kW					
Standby mode	P_{SB}	0,007	kW		Type of energy input	Electric		
Crankcase heater mode	P_{CK}	0,07	kW					
Other items								
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		2,37	m^3/h
Annual energy consumption	Q_{HE}	15287	kWh		Rated brine or water flow rate, outdoor heat exchanger		4,46	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**							