



# ENERGY

**NIBE**

NIBE F1355-28



55 °C

35 °C



**A+++**

**A+++**



**47** dB



dB

■ 28  
■ **28**  
■ 28  
kW

■ 28  
■ **28**  
■ 28  
kW



2019

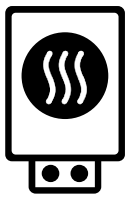
811/2013



# ENERGY

**NIBE**

NIBE F1355-28



A+++

A+++

A+++

A++

A+

A

B

C

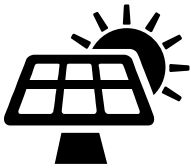
D

E

F

G

+



+



+



+



Supplier's name:	NIBE		
Model:	NIBE F1355-28		
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:	28	28	kW
Annual energy consumption for space heating, average climate	11528	14621	kWh
Annual electricity consumption for water heating, average climate			kWh
Seasonal space heating energy efficiency, average climate:	198	155	%
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	12907	16450	kWh
Annual electricity consumption for water heating, cold climate			kWh
Annual energy consumption for space heating, warm climate	7237	9062	kWh
Annual electricity consumption for water heating, warm climate			kWh
Seasonal space heating energy efficiency, cold climate:	211	165	%
Water heating energy efficiency, cold climate:			%
Seasonal space heating energy efficiency, warm climate:	204	162	%
Water heating energy efficiency, warm climate:			%
Sound power level LWA outdoors	-		dB

#### Data for package fiche

Controller class	II		
Controller contribution to efficiency	2		%
Seasonal space heating energy efficiency of package, average climate:	200	157	%
Seasonal space heating energy efficiency class for package, average climate:	<b>A+++</b>	<b>A+++</b>	%
Seasonal space heating energy efficiency of package, cold climate:	213	167	%
Seasonal space heating energy efficiency of package, warm climate:	206	164	%

<b>Model(s):</b>		<b>NIBE F1355-28</b>		<b>NIBE</b>								
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, EN 14511 and EN12102												
<b>Rated heat output</b>		Prated	28,0	kW	<b>Seasonal space heating energy efficiency</b>		$\eta_s$	155	%			
<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	25,0	kW	Tj = -7 °C	COPd	3,1	kW					
Tj = +2 °C	Pdh	15,3	kW	Tj = +2 °C	COPd	3,9	kW					
Tj = +7 °C	Pdh	9,7	kW	Tj = +7 °C	COPd	4,6	kW					
Tj = +12 °C	Pdh	4,3	kW	Tj = +12 °C	COPd	5,3	kW					
Tj = biv	Pdh	28,0	kW	Tj = biv	COPd	2,8	kW					
Tj = TOL	Pdh	28,0	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 <sub>biv</sub>	-10	°C		Operation limit temperature		TOL	-10	°C
Cycling interval capacity for heating				P <sub>cyh</sub>		kW		Cycling interval efficiency		COP <sub>cyh</sub>		-
Degradation co-efficient				Cdh	0,99	-		Heating water operating limit		WTOL	65	°C
<i>Power consumption in modes other than active mode</i>				<i>Supplementary heater</i>								
Off mode	P <sub>OFF</sub>	0,007	kW	Rated heat output		P <sub>sup</sub>	0,0	kW				
Thermostat-off mode	P <sub>TO</sub>	0,035	kW	Type of energy input		Electric						
Standby mode	P <sub>SB</sub>	0,019	kW									
Crankcase heater mode	P <sub>CK</sub>	0,025	kW									
<i>Other items</i>												
Capacity control				variable		Rated air flow rate, outdoors				m <sup>3</sup> /h		
Sound power level, indoors/outdoors				L <sub>WA</sub>	47/-	dB		Rated water flow rate, indoor heat exchanger		m <sup>3</sup> /h		
Annual energy consumption				Q <sub>HE</sub>	14621	kWh		Rated brine or water flow rate, outdoor heat exchanger		3,40	m <sup>3</sup> /h	
<i>For heat pump combination heater:</i>												
<b>Declared load profile</b>				<b>Water heating energy efficiency</b>				$\eta_{wh}$			%	
Daily electricity consumption				Q <sub>elec</sub>			kW/h		Daily fuel consumption		Q <sub>fuel</sub>	kW/h
Annual electricity consumption				AEC			kWh		Annual fuel consumption		AFC	GJ
<b>Approved by:</b>												
<b>Contact details</b>		© NIBE Energy Systems - Box 14 - Hannabadsvägen 5 - 28521 Markaryd - Sweden										