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**NIBE** NIBE F1145-8



55 °C

35 °C



**A++**

**A+++**



**42** dB



dB

■ 9  
 ■ 9  
 ■ 9  
 kW

■ 10  
 ■ 10  
 ■ 10  
 kW



2019

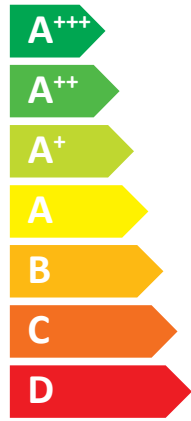
811/2013



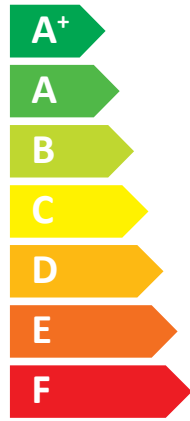
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NIBE F1145-8 + VPB300



A<sup>++</sup>



A

42 dB

dB



- 9 kW
- 9 kW
- 9 kW

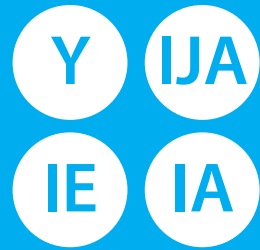
2019

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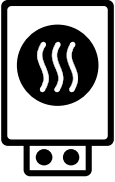




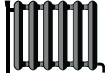


# ENERG

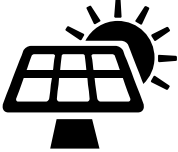
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**NIBE**

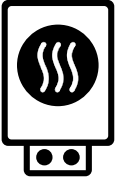
## NIBE F1145-8 + VPB300













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Supplier's name:	<b>NIBE</b>		
Model:	<b>NIBE F1145-8 (+VPB 300)</b>		
Temperature application	35	55	°C
Declared load profile for water heating	<b>XXL</b>		
Seasonal space heating energy efficiency class, average climate:	<b>A+++</b>	<b>A++</b>	
Water heating energy efficiency class, average climate:	<b>A</b>		
Rated heat output, average climate:	10	9	kW
Annual energy consumption for space heating, average climate	4245	4907	kWh
Annual electricity consumption for water heating, average climate	1995		kWh
Seasonal space heating energy efficiency, average climate:	187	147	%
Water heating energy efficiency, average climate:	108		%
Sound power level LWA indoors	42		dB
Rated heat output, cold climate:	10	9	kW
Rated heat output, warm climate:	10	9	kW
Annual energy consumption for space heating, cold climate	4904	5599	kWh
Annual electricity consumption for water heating, cold climate	1995		kWh
Annual energy consumption for space heating, warm climate	2842	3255	kWh
Annual electricity consumption for water heating, warm climate	1995		kWh
Seasonal space heating energy efficiency, cold climate:	193	152	%
Water heating energy efficiency, cold climate:	108		%
Seasonal space heating energy efficiency, warm climate:	186	146	%
Water heating energy efficiency, warm climate:	108		%
Sound power level LWA outdoors	-		dB

### Data for package fiche

Controller class	VII		
Controller contribution to efficiency	3,5		%
Seasonal space heating energy efficiency of package, average climate:	190	150	%
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:	197	156	%
Seasonal space heating energy efficiency of package, warm climate:	189	150	%

<b>Model(s):</b>		<b>NIBE F1145-8 + VPB300</b>										
Type of heat source/sink:		Brine-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, EN16147 and EN12102												
<b>Rated heat output</b>		Prated	9,20	kW	<b>Seasonal space heating energy efficiency</b>		$\eta_s$	147	%			
<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	7,4	kW	Tj = -7 °C	COPd	3,31	kW					
Tj = +2 °C	Pdh	7,7	kW	Tj = +2 °C	COPd	3,93	kW					
Tj = +7 °C	Pdh	7,9	kW	Tj = +7 °C	COPd	4,30	kW					
Tj = +12 °C	Pdh	8,0	kW	Tj = +12 °C	COPd	4,73	kW					
Tj = biv	Pdh	7,5	kW	Tj = biv	COPd	3,49	kW					
Tj = TOL	Pdh	7,2	kW	Tj = TOL	COPd	3,09	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>	-5	°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	1,00	-	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>	0,002	kW	Rated heat output		P <sub>sup</sub>	2,0	kW				
Thermostat-off mode	P <sub>TO</sub>	0	kW	Type of energy input		Electric						
Standby mode	P <sub>SB</sub>	0,007	kW									
Crankcase heater mode	P <sub>CK</sub>	0,014	kW									
<i>Other items</i>												
Capacity control				fixed								
Sound power level, indoors/outdoors				L <sub>WA</sub>	42/-	dB	Rated air flow rate, outdoors					
Annual energy consumption				Q <sub>HE</sub>	4907	kWh	Rated water flow rate, indoor heat exchanger		0,79		m <sup>3</sup> /h	
							Rated brine or water flow rate, outdoor heat exchanger		1,43		m <sup>3</sup> /h	
<i>For heat pump combination heater:</i>												
<b>Declared load profile</b>				<b>XXL</b>				<b>Water heating energy efficiency</b>		$\eta_{wh}$	108	%
Daily electricity consumption				Q <sub>elec</sub>	9,09	kWh	Daily fuel consumption		Q <sub>fuel</sub>			
Annual electricity consumption				AEC	1995	kWh	Annual fuel consumption		AFC			
<b>Approved by:</b>												
<b>Contact details</b>				© NIBE Energy Systems - Box 14 - Hannabadvägen 5 - 28521 Markaryd - Sweden								