

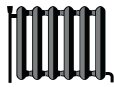


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Y IJA
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NIBE

NIBE F1145-6



55 °C

35 °C



A++

A++



43 dB



dB



2015

811/2013

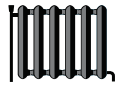


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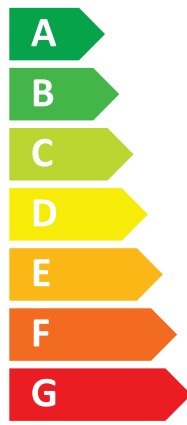
NIBE F1145-6 + VPB300



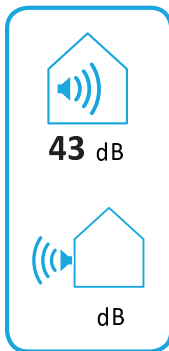
XXL



A++



A



2015

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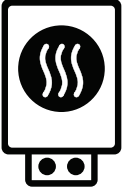




IJA

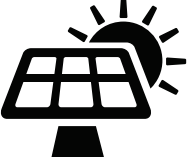
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NIBE F1145-6 + VPB300

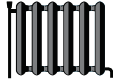











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Supplier's name:	NIBE		
Model:	NIBE F1145-6 (+VPB 300)		
Temperature application	35	55	°C
Declared load profile for water heating	XXL		
Seasonal space heating energy efficiency class, average climate:	A++	A++	
Water heating energy efficiency class, average climate:	A		
Rated heat output, average climate:	7	6	kW
Annual energy consumption for space heating, average climate	3010	3425	kWh
Annual electricity consumption for water heating, average climate	2025		kWh
Seasonal space heating energy efficiency, average climate:	184	137	%
Water heating energy efficiency, average climate:	106		%
Sound power level LWA indoors	43		dB
Rated heat output, cold climate:	7	6	kW
Rated heat output, warm climate:	7	6	kW
Annual energy consumption for space heating, cold climate	3487	3969	kWh
Annual electricity consumption for water heating, cold climate	2025		kWh
Annual energy consumption for space heating, warm climate	1966	2237	kWh
Annual electricity consumption for water heating, warm climate	2025		kWh
Seasonal space heating energy efficiency, cold climate:	190	141	%
Water heating energy efficiency, cold climate:	106		%
Seasonal space heating energy efficiency, warm climate:	182	135	%
Water heating energy efficiency, warm climate:	106		%
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:	188	140	%
Seasonal space heating energy efficiency class for package, average climate:	A+++	A++	%
Seasonal space heating energy efficiency of package, cold climate:	193	145	%
Seasonal space heating energy efficiency of package, warm climate:	186	139	%

Model(s):		NIBE F1145-6 (+VPB 300)										
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 and EN16147												
Rated heat output		Prated	6,0	kW	Seasonal space heating energy efficiency		η_s	137	%			
<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	4,8	kW	Tj = -7 °C	COPd	3,18	-					
Tj = +2 °C	Pdh	5,3	kW	Tj = +2 °C	COPd	3,69	-					
Tj = +7 °C	Pdh	5,6	kW	Tj = +7 °C	COPd	4,02	-					
Tj = +12 °C	Pdh	6,0	kW	Tj = +12 °C	COPd	4,29	-					
Tj = biv	Pdh	4,9	kW	Tj = biv	COPd	3,30	-					
Tj = TOL	Pdh	4,5	kW	Tj = TOL	COPd	2,96	-					
Tj = -15 °C (if TOL < -20 °C)	Pdh		kW	Tj = -15 °C (if TOL < -20 °C)	COPd		-					
Bivalent temperature				T _{biv}	-5,3	°C	Operation limit temperature			TOL	-10	°C
Cycling interval capacity for heating				P _{cyh}		kW	Cycling interval efficiency			COP _{cyh}		-
Degradation co-efficient				Cdh	0,99	-	Heating water operating limit			WTOL	65	°C
<i>Power consumption in modes other than active mode</i>				<i>Supplementary heater</i>								
Off mode	P _{OFF}	0,002	kW	Rated heat output		P _{sup}	1,5	kW				
Thermostat-off mode	P _{TO}	0,01	kW	Type of energy input		Electric						
Standby mode	P _{SB}	0,007	kW									
Crankcase heater mode	P _{CK}	0,014	kW									
<i>Other items</i>												
Capacity control	fixed			Rated air flow rate, outdoors						m ³ /h		
Sound power level, indoors/outdoors	L _{WA}	43/-	dB	Rated water flow rate, indoor heat exchanger				0,49		m ³ /h		
Annual energy consumption	Q _{HE}	3425	kWh	Rated brine or water flow rate, outdoor heat exchanger				0,90		m ³ /h		
<i>For heat pump combination heater:</i>												
Declared load profile		XXL		Water heating energy efficiency		η_{wh}	106	%				
Daily electricity consumption	Q _{elec}	9,22	kWh	Daily fuel consumption		Q _{fuel}		kWh				
Annual electricity consumption	AEC	2025	kWh	Annual fuel consumption		AFC		GJ				
Approved by:												
Contact details		© NIBE Energy Systems - Box 14 - Hannabadsvägen 5 - 28521 Markaryd - Sweden										