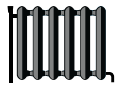
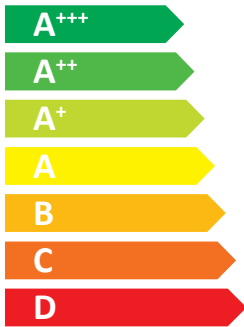


NIBE F1145-15



55 °C

35 °C



A++

A+++



43 dB



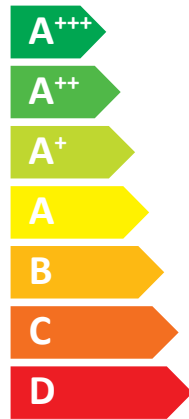
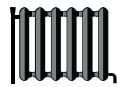
dB

■ 18
■ **18**
■ 18
kW

■ 18
■ **18**
■ 18
kW



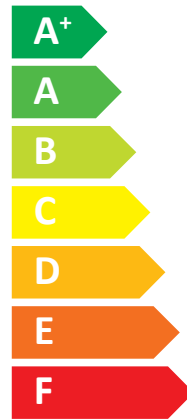
NIBE F1145-15 + VPB500



A++



XXL



A



43 dB



dB








■ 18 kW




■ 18 kW

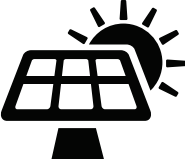
■ 18 kW


NIBE F1145-15 + VPB500









XXL






+ 



+ 

+ 

+ 



XXL

Model:	NIBE F1145-15 (+VPB 500)		
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:	18	18	kW
Annual energy consumption for space heating, average climate	8134	10194	kWh
Annual electricity consumption for water heating, average climate	2283		kWh
Seasonal space heating energy efficiency, average climate:	175	138	%
Water heating energy efficiency, average climate:	94		%
Sound power level LWA indoors	43		dB
Rated heat output, cold climate:	18	18	kW
Rated heat output, warm climate:	18	18	kW
Annual energy consumption for space heating, cold climate	9454	11893	kWh
Annual electricity consumption for water heating, cold climate	2283		kWh
Annual energy consumption for space heating, warm climate	5333	6636	kWh
Annual electricity consumption for water heating, warm climate	2283		kWh
Seasonal space heating energy efficiency, cold climate:	180	141	%
Water heating energy efficiency, cold climate:	94		%
Seasonal space heating energy efficiency, warm climate:	172	137	%
Water heating energy efficiency, warm climate:	94		%
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:	178	141	%
Seasonal space heating energy efficiency class for package, average climate:	A+++	A++	%
Seasonal space heating energy efficiency of package, cold climate:	183	145	%
Seasonal space heating energy efficiency of package, warm climate:	176	140	%

Model(s):		NIBE F1145-15 (+ VPB 500)			
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	18,0	kW	
					Seasonal space heating energy efficiency
					η_s
					138
					%
<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	14,6	kW	Tj = -7 °C	COPd
Tj = +2 °C	Pdh	14,8	kW	Tj = +2 °C	COPd
Tj = +7 °C	Pdh	15,1	kW	Tj = +7 °C	COPd
Tj = +12 °C	Pdh	15,4	kW	Tj = +12 °C	COPd
Tj = biv	Pdh	14,6	kW	Tj = biv	COPd
Tj = TOL	Pdh	14,6	kW	Tj = TOL	COPd
Tj = -15 °C (if TOL < -20 °C)	Pdh		kW	Tj = -15 °C (if TOL < -20 °C)	COPd
Bivalent temperature	T _{biv}	-5,1	°C	Operation limit temperature	TOL
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}
Thermostat-off mode	P _{TO}	0,022	kW		3,4
Standby mode	P _{SB}	0,007	kW	Type of energy input	Electric
Crankcase heater mode	P _{CK}	0,035	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	1,57
					m ³ /h
Annual energy consumption	Q _{HE}	10194	kWh	Rated brine or water flow rate, outdoor heat exchanger	2,89
					m ³ /h
<i>For heat pump combination heater:</i>					
Declared load profile		XXL		Water heating energy efficiency	
					η_{wh}
					94
					%
Daily electricity consumption	Q _{elec}	10,39	kWh	Daily fuel consumption	Q _{uel}
Annual electricity consumption	AEC	2283	kWh	Annual fuel consumption	AFC
					kWh
					GJ

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