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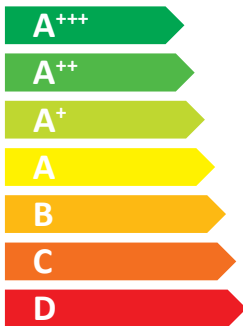
NIBE

NIBE F1145-6



55 °C

35 °C



A++

A+++



42 dB



dB

■ 7
■ 7
■ 7
kW

■ 7
■ 7
■ 7
kW



2019

811/2013

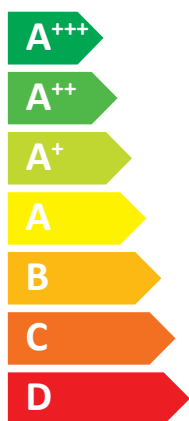


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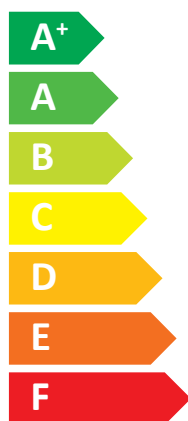
NIBE F1145-6 + VPB300



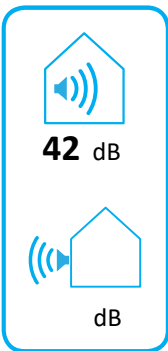
A++



XXL



A





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NIBE F1145-6 + VPB300



A⁺⁺



A



A⁺⁺⁺

A⁺⁺

A⁺

A

B

C

D

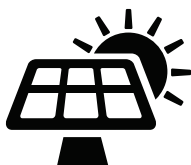
E

F

G

A⁺⁺

+



+



+



+



XXL

A⁺⁺⁺

A⁺⁺

A⁺

A

B

C

D

E

F

G

A

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	7	kW
Annual energy consumption for space heating, average climate	3151	3640	kWh
Annual electricity consumption for water heating, average climate	2025		kWh
Seasonal space heating energy efficiency, average climate:	178	140	%
Water heating energy efficiency, average climate:	106		%
Sound power level LWA indoors	42		dB
Rated heat output, cold climate:	7	7	kW
Rated heat output, warm climate:	7	7	kW
Annual energy consumption for space heating, cold climate	3577	4201	kWh
Annual electricity consumption for water heating, cold climate	2025		kWh
Annual energy consumption for space heating, warm climate	2080	2447	kWh
Annual electricity consumption for water heating, warm climate	2025		kWh
Seasonal space heating energy efficiency, cold climate:	185	145	%
Water heating energy efficiency, cold climate:	106		%
Seasonal space heating energy efficiency, warm climate:	177	138	%
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:	182	143	%
Seasonal space heating energy efficiency class for package, average climate:	A+++	A++	%
Seasonal space heating energy efficiency of package, cold climate:	188	148	%
Seasonal space heating energy efficiency of package, warm climate:	181	142	%

Model(s):				NIBE F1145-6 + VPB300							
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											
Rated heat output			Prated	6,50	kW	Seasonal space heating energy efficiency			η_s	140	%
<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	5,3	kW	Tj = -7 °C			COPd	3,16	kW
Tj = +2 °C			Pdh	5,5	kW	Tj = +2 °C			COPd	3,75	kW
Tj = +7 °C			Pdh	5,6	kW	Tj = +7 °C			COPd	4,12	kW
Tj = +12 °C			Pdh	5,8	kW	Tj = +12 °C			COPd	4,53	kW
Tj = biv			Pdh	5,4	kW	Tj = biv			COPd	3,32	kW
Tj = TOL			Pdh	5,2	kW	Tj = TOL			COPd	2,93	kW
Tj = -15 °C (if TOL < -20 °C)			Pdh		kW	Tj = -15 °C (if TOL < -20 °C)			COPd		kW
Bivalent temperature			Tbiv	-5	°C	Operation limit temperature			TOL	-10	°C
Cycling interval capacity for heating			Pcych		kW	Cycling interval efficiency			COPcyc		-
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 _{OFF}	0,002	kW	Rated heat output			Psup	1,3	kW
Thermostat-off mode			P _{TO}	0	kW						
Standby mode			P _{SB}	0,007	kW	Type of energy input			Electric		
Crankcase heater mode			P _{CK}	0,014	kW						
<i>Other items</i>											
Capacity control			fixed			Rated air flow rate, outdoors					m³/h
Sound power level, indoors/outdoors			L _{WA}	42/-	dB	Rated water flow rate, indoor heat exchanger				0,56	m³/h
Annual energy consumption			Q _{HE}	3640	kWh	Rated brine or water flow rate, outdoor heat exchanger				0,99	m³/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								