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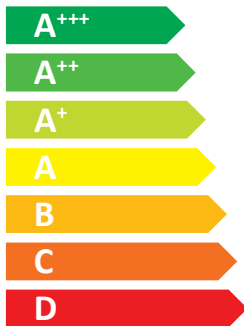


NIBE F1245-10



55 °C

35 °C



A++

A+++



42 dB



dB

■ 12
■ **12**
■ 12
kW

■ 13
■ **13**
■ 13
kW



2019

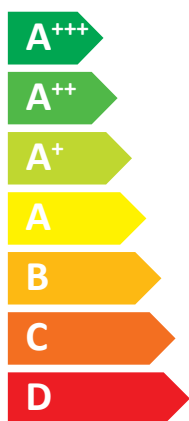
811/2013



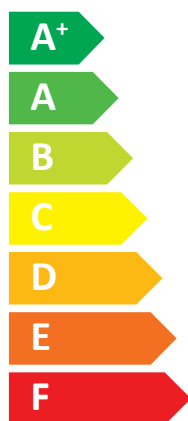
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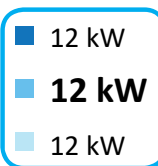
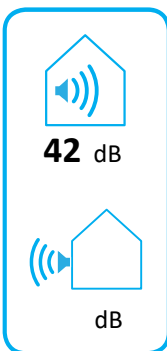
NIBE F1245-10



A++



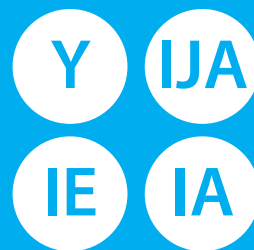
A





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NIBE

NIBE F1245-10



A⁺⁺



A



A⁺⁺⁺

A⁺⁺

A⁺

A

B

C

D

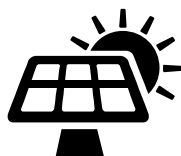
E

F

G

A⁺⁺

+



+



+



+



A⁺⁺⁺

A⁺⁺

A⁺

A

B

C

D

E

F

G

A

Supplier's name:	NIBE		
Model:	NIBE F1245-10		
Temperature application	35	55	°C
Declared load profile for water heating	XL		
Seasonal space heating energy efficiency class, average climate:	A+++	A++	
Water heating energy efficiency class, average climate:	A		
Rated heat output, average climate:	13	12	kW
Annual energy consumption for space heating, average climate	5466	6347	kWh
Annual electricity consumption for water heating, average climate	1745		kWh
Seasonal space heating energy efficiency, average climate:	184	144	%
Water heating energy efficiency, average climate:	96		%
Sound power level LWA indoors	42		dB
Rated heat output, cold climate:	13	12	kW
Rated heat output, warm climate:	13	12	kW
Annual energy consumption for space heating, cold climate	6351	7269	kWh
Annual electricity consumption for water heating, cold climate	1745		kWh
Annual energy consumption for space heating, warm climate	3655	4236	kWh
Annual electricity consumption for water heating, warm climate	1745		kWh
Seasonal space heating energy efficiency, cold climate:	189	149	%
Water heating energy efficiency, cold climate:	96		%
Seasonal space heating energy efficiency, warm climate:	182	143	%
Water heating energy efficiency, warm climate:	96		%
Sound power level LWA outdoors	-		dB

Data for package fiche

Controller class	VII		
Controler contribution to efficiency	3,5		%
Seasonal space heating energy efficiency of package, average climate:	188	148	%
Seasonal space heating energy efficiency class for package, average climate:	A+++	A++	%
Seasonal space heating energy efficiency of package, cold climate:	193	153	%
Seasonal space heating energy efficiency of package, warm climate:	186	147	%

Model(s):				NIBE F1245-10							
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	11,70	kW	Seasonal space heating energy efficiency			ηs	144	%
<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	9,3	kW	Tj = -7 °C			COPd	3,25	kW
Tj = +2 °C			Pdh	9,7	kW	Tj = +2 °C			COPd	3,85	kW
Tj = +7 °C			Pdh	9,9	kW	Tj = +7 °C			COPd	4,23	kW
Tj = +12 °C			Pdh	10,1	kW	Tj = +12 °C			COPd	4,65	kW
Tj = biv			Pdh	9,4	kW	Tj = biv			COPd	3,42	kW
Tj = TOL			Pdh	9,2	kW	Tj = TOL			COPd	3,03	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			POFF	0,002	kW	Rated heat output			Psup	2,5	kW
Thermostat-off mode			Pto	0	kW						
Standby mode			PSB	0,007	kW	Type of energy input			Electric		
Crankcase heater mode			PCK	0,014	kW						
<i>Other items</i>											
Capacity control			fixed			Rated air flow rate, outdoors					m³/h
Sound power level, indoors/outdoors			LWA	42/-	dB	Rated water flow rate, indoor heat exchanger				1,01	m³/h
Annual energy consumption			QHE	6347	kWh	Rated brine or water flow rate, outdoor heat exchanger				1,80	m³/h
<i>For heat pump combination heater:</i>											
Declared load profile			XL			Water heating energy efficiency			ηwh	96	%
Daily electricity consumption			Qelec	7,95	kWh	Daily fuel consumption			Qfuel		kWh
Annual electricity consumption			AEC	1745	kWh	Annual fuel consumption			AFC		GJ
Approved by:											
Contact details			© NIBE Energy Systems - Box 14 - Hannabadsvägen 5 - 28521 Markaryd - Sweden								