ENERG · Y · IJA · IE · IA

енергия · ενεργεια

NIBE   NIBE F1345-40 W/W

55 °C   35 °C

A+++
A++
A+
A
B
C
D

A+++   **A+++**

47 dB

dB

47	47
47	**47**
47	47
kW	kW

NIBE   NIBE F1345-40 W/W

A⁺⁺⁺ → **A⁺⁺⁺**

+ ☐

+ ☐

+ ☑

+ ☐

A⁺⁺⁺
A⁺⁺
A⁺
A
B
C
D
E
F
G

A⁺⁺⁺ →
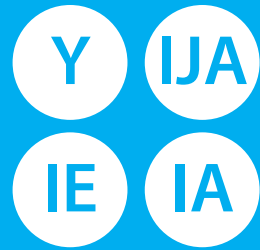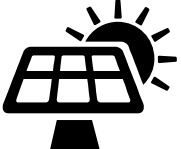
Supplier's name:	NIBE		
Model:	NIBE F1345-40 W/W		
Temperature application	35	55	°C
Declared load profile for water heating			
Seasonal space heating energy efficiency class, average climate:	**A+++**	**A+++**	
Water heating energy efficiency class, average climate:			
Rated heat output, average climate:	47	47	kW
Annual energy consumption for space heating, average climate	16927	21041	kWh
Annual electricity consumption for water heating, average climate			kWh
Seasonal space heating energy efficiency, average climate:	221	177	%
Water heating energy efficiency, average climate:			%
Sound power level LWA indoors	47		dB
Rated heat output, cold climate:	47	47	kW
Rated heat output, warm climate:	47	47	kW
Annual energy consumption for space heating, cold climate	20387	25591	kWh
Annual electricity consumption for water heating, cold climate			kWh
Annual energy consumption for space heating, warm climate	11576	14410	kWh
Annual electricity consumption for water heating, warm climate			kWh
Seasonal space heating energy efficiency, cold climate:	219	173	%
Water heating energy efficiency, cold climate:			%
Seasonal space heating energy efficiency, warm climate:	209	166	%
Water heating energy efficiency, warm climate:			%
Sound power level LWA outdoors	-		dB

Data for package fiche

Controller class	II		
Controler contribution to efficiency	2		%
Seasonal space heating energy efficiency of package, average climate:	223	179	%
Seasonal space heating energy efficiency class for package, average climate:	**A+++**	**A+++**	%
Seasonal space heating energy efficiency of package, cold climate:	221	175	%
Seasonal space heating energy efficiency of package, warm climate:	211	168	%

Model(s):				NIBE F1345-40 W/W			
Type of heat source/sink:				Water-to-water			
Low-temperature heat pump:				No			
Equipped with supplementary heater:				No			
Heat pump combination heater:				No			
Climate condition:				Average			
Temperature application:				Medium temperature (55 °C)			
Applied standards: EN14825 and EN12102							

Rated heat output	Prated	47,0	kW	**Seasonal space heating energy efficiency**	η_s	177	%
Declared capacity for part load at outdoor temperature Tj				*Declared coefficient of performance for part load at outdoor temperature Tj*			
Tj = -7 °C	Pdh	49,3	kW	Tj = -7 °C	COPd	3,81	kW
Tj = +2 °C	Pdh	25,7	kW	Tj = +2 °C	COPd	4,69	kW
Tj = +7 °C	Pdh	25,9	kW	Tj = +7 °C	COPd	5,24	kW
Tj = +12 °C	Pdh	26,0	kW	Tj = +12 °C	COPd	5,11	kW
Tj = biv	Pdh	48,7	kW	Tj = biv	COPd	3,62	kW
Tj = TOL	Pdh	48,8	kW	Tj = TOL	COPd	3,67	kW
Tj = -15 °C (if TOL < -20 °C)	Pdh		kW	Tj = -15 °C (if TOL < -20 °C)	COPd		kW
Bivalent temperature	T_{biv}	-10	°C	Operation limit temperature	TOL	-10	°C
Cycling interval capacity for heating	Pcych		kW	Cycling interval efficiency	COPcyc		-
Degradation co-efficient	Cdh	0,99	-	Heating water operating limit	WTOL	65	°C
Power consumption in modes other than active mode				*Supplementary heater*			
Off mode	P_{OFF}	0,002	kW	Rated heat output	Psup	0,0	kW
Thermostat-off mode	P_{TO}	0,0875	kW				
Standby mode	P_{SB}	0,007	kW	Type of energy input		Electric	
Crankcase heater mode	P_{CK}	0,08	kW				
Other items							
Capacity control		variable		Rated air flow rate, outdoors			m³/h
Sound power level, indoors/outdoors	L_{WA}	47/-	dB	Rated water flow rate, indoor heat exchanger		5,27	m³/h
Annual energy consumption	Q_{HE}	21041	kWh	Rated brine or water flow rate, outdoor heat exchanger		10,71	m³/h
For heat pump combination heater:							
Declared load profile				**Water heating energy efficiency**	η_{wh}		%
Daily electricity consumption	Q_{elec}		kWh	Daily fuel consumption	Q_{fuel}		kWh
Annual electricity consumption	AEC		kWh	Annual fuel consumption	AFC		GJ
Approved by:							
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