



ENERG
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NIBE F2040-16



55 °C

35 °C



A++

A++



dB



61 dB

■ 16
■ **14**
■ 15
kW

■ 15
■ **15**
■ 15
kW



2015

811/2013



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NIBE

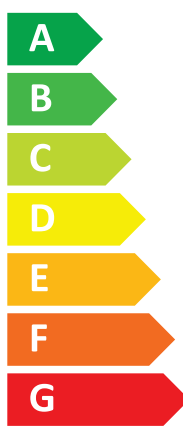
NIBE F2040-16 + VVM310



A++



XL



A



35 dB



61 dB



- 16 kW
- **14 kW**
- 15 kW

2015

811/2013



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Y

IJA

IE

IA



NIBE F2040-16 + VVM310



A⁺⁺



A



A⁺⁺⁺

A⁺⁺

A⁺

A

B

C

D

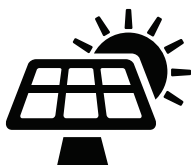
E

F

G

A⁺⁺

+



+



+



+



A⁺⁺⁺

A⁺⁺

A⁺

A

B

C

D

E

F

G

A

Supplier's name:	NIBE		
Model:	NIBE F2040-16+ VVM 310		
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:	14,5	14,0	kW
Annual energy consumption for space heating, average climate	6702	8431	kWh
Annual electricity consumption for water heating, average climate	1702		kWh
Seasonal space heating energy efficiency, average climate:	176	134	%
Water heating energy efficiency, average climate:	98		%
Sound power level LWA indoors	35		dB
Rated heat output, cold climate:	15,0	16,0	kW
Rated heat output, warm climate:	15,0	15,0	kW
Annual energy consumption for space heating, cold climate	10040	13629	kWh
Annual electricity consumption for water heating, cold climate	1904		kWh
Annual energy consumption for space heating, warm climate	3370	4183	kWh
Annual electricity consumption for water heating, warm climate	1551		kWh
Seasonal space heating energy efficiency, cold climate:	144	113	%
Water heating energy efficiency, cold climate:	88		%
Seasonal space heating energy efficiency, warm climate:	235	189	%
Water heating energy efficiency, warm climate:	108		%
Sound power level LWA outdoors	61		dB

Data for package fiche

Controller class	VI		
Controller contribution to efficiency	4,0		%
Seasonal space heating energy efficiency of package, average climate:	180	138	%
Seasonal space heating energy efficiency class for package, average climate:	A+++	A++	%
Seasonal space heating energy efficiency of package, cold climate:	148	117	%
Seasonal space heating energy efficiency of package, warm climate:	239	193	%

Model(s):		NIBE F2040-16+ VVM 310							
Type of heat source/sink:		Air-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	14,0	kW	Seasonal space heating energy efficiency		ηs	134	%
Declared capacity for part load at outdoor temperature Tj					Declared coefficient of performance for part load at outdoor temperature Tj				
Tj = -7 °C	Pdh	12,5	kW	Tj = -7 °C	COPd	2,01	-		
Tj = +2 °C	Pdh	7,6	kW	Tj = +2 °C	COPd	3,29	-		
Tj = +7 °C	Pdh	4,9	kW	Tj = +7 °C	COPd	4,68	-		
Tj = +12 °C	Pdh	6,8	kW	Tj = +12 °C	COPd	6,51	-		
Tj = biv	Pdh	12,7	kW	Tj = biv	COPd	1,95	-		
Tj = TOL	Pdh	11,0	kW	Tj = TOL	COPd	1,95	-		
Tj = -15 °C (if TOL < -20 °C)	Pdh		kW	Tj = -15 °C (if TOL < -20 °C)	COPd		-		
Bivalent temperature	Tbiv	-7,6	°C	Operation limit temperature	TOL	-10	°C		
Cycling interval capacity for heating	Pcyc		kW	Cycling interval efficiency	COPcyc		-		
Degradation co-efficient	Cdh	0,98	-	Heating water operating limit	WTOL	58	°C		
Power consumption in modes other than active mode					Supplementary heater				
Off mode	P _{OFF}	0,002	kW	Rated heat output	P _{sup}	3,0	kW		
Thermostat-off mode	P _{TO}	0,016	kW						
Standby mode	P _{SB}	0,015	kW	Type of energy input	Electric				
Crankcase heater mode	P _{CK}	0,035	kW						
Other items									
Capacity control	variable			Rated air flow rate, outdoors		6000	m³/h		
Sound power level, indoors/outdoors	L _{WA}	35/61	dB	Rated water flow rate, indoor heat exchanger		1,21	m³/h		
Annual energy consumption	Q _{HE}	8431	kWh	Rated brine or water flow rate, outdoor heat exchanger			m³/h		
For heat pump combination heater:									
Declared load profile		XL		Water heating energy efficiency		η _{lwh}	98	%	
Daily electricity consumption	Q _{elec}	7,75	kWh	Daily fuel consumption	Q _{fuel}		kWh		
Annual electricity consumption	AEC	1702	kWh	Annual fuel consumption	AFC		GJ		
Approved by:									
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