



ENERG
енергия · ενέργεια



NIBE F2040-16



55 °C

35 °C



A++

A++



35 dB



61 dB

■ 16
■ 14
■ 15
kW

■ 15
■ 15
■ 15
kW



2015

811/2013



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NIBE

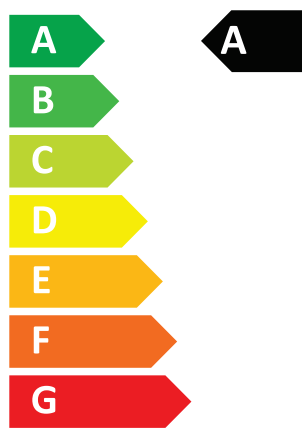
NIBE F2040-16 + VVM310



55°C



XL



35 dB



61 dB



- 16 kW
- 14 kW
- 15 kW

2015

811/2013



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Y

IJA

IE

IA

 **NIBE**

NIBE F2040-16



35 °C



A⁺⁺

A⁺⁺⁺

A⁺⁺⁺

A⁺⁺

A⁺

A

B

C

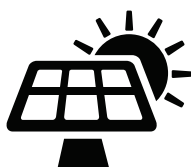
D

E

F

G

+



+



+



+





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Y

IJA

IE

IA

NIBE

NIBE F2040-16 + VVM310



A⁺⁺



A



55 °C

A⁺⁺⁺

A⁺⁺

A⁺

A

B

C

D

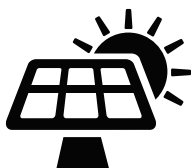
E

F

G

A⁺⁺

+



+



+



+



XL

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	%		
<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	12,5	kW	Tj = -7 °C			COPd	2,01	kW		
Tj = +2 °C			Pdh	7,6	kW	Tj = +2 °C			COPd	3,29	kW		
Tj = +7 °C			Pdh	4,9	kW	Tj = +7 °C			COPd	4,68	kW		
Tj = +12 °C			Pdh	6,8	kW	Tj = +12 °C			COPd	6,51	kW		
Tj = biv			Pdh	12,7	kW	Tj = biv			COPd	1,95	kW		
Tj = TOL			Pdh	11,0	kW	Tj = TOL			COPd	1,95	kW		
Tj = -15 °C (if TOL < -20 °C)			Pdh		kW	Tj = -15 °C (if TOL < -20 °C)			COPd		kW		
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		
<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	3,0	kW		
Thermostat-off mode			P _{TO}	0,016	kW	Type of energy input						Electric	
Standby mode			P _{SB}	0,015	kW								
Crankcase heater mode			P _{CK}	0,035	kW								
<i>Other items</i>													
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		
<i>For heat pump combination heater:</i>													
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:													
Contact details			© NIBE Energy Systems - Box 14 - Hannabadsvägen 5 - 28521 Markaryd - Sweden										