



**ENERG**  
енергия · ενεργεια



**NIBE**

NIBE F2040-6



55 °C

35 °C



**A++**

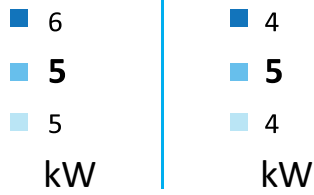
**A++**



dB



**50** dB



kW

kW



2015

811/2013



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Y

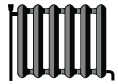
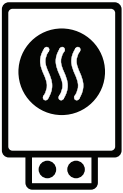

IJA

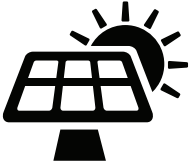


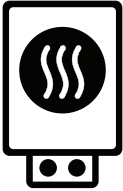
IE

IA

## NIBE

### NIBE F2040-6 + SMO

- + 
- + 
- + 
- + 




- A+++
- A++
- A+
- A
- B
- C
- D
- E
- F
- G



Supplier's name:	<b>NIBE</b>		
Model:	<b>F2040-6</b>		
Temperature application	<b>35</b>	<b>55</b>	°C
Declared load profile for water heating			
Seasonal space heating energy efficiency class, average climate:	<b>A++</b>	<b>A++</b>	
Water heating energy efficiency class, average climate:			
Rated heat output, average climate:	5	5	kW
Annual energy consumption for space heating, average climate	2089	3248	kWh
Annual electricity consumption for water heating, average climate			kWh
Seasonal space heating energy efficiency, average climate:	188	131	%
Water heating energy efficiency, average climate:			%
Sound power level LWA indoors	35		dB
Rated heat output, cold climate:	4	6	kW
Rated heat output, warm climate:	4	5	kW
Annual energy consumption for space heating, cold climate	2694	4610	kWh
Annual electricity consumption for water heating, cold climate			kWh
Annual energy consumption for space heating, warm climate	872	1398	kWh
Annual electricity consumption for water heating, warm climate			kWh
Seasonal space heating energy efficiency, cold climate:	143	116	%
Water heating energy efficiency, cold climate:			%
Seasonal space heating energy efficiency, warm climate:	252	179	%
Water heating energy efficiency, warm climate:			%
Sound power level LWA outdoors	50		dB

**Data for package fiche in combination with SMO or VVM**

Controller class	VI		
Controller contribution to efficiency	4,0		%
Seasonal space heating energy efficiency of package, average climate:	192	135	%
Seasonal space heating energy efficiency class for package, average climate:	<b>A+++</b>	<b>A++</b>	%
Seasonal space heating energy efficiency of package, cold climate:	147	120	%
Seasonal space heating energy efficiency of package, warm climate:	256	183	%

<b>Model(s):</b>				<b>F2040-6</b>							
Type of heat source/sink:				Air-to-water							
Low-temperature heat pump:				No							
Equipped with supplementary heater:				No (Backup needed)							
Heat pump combination heater:				No							
Climate condition:				Average							
Temperature application:				Medium temperature (55 °C)							
Applied standards: EN14511, EN14825, EN16147 and EN12102											
<b>Rated heat output</b>				Prated	5,3	kW		<b>Seasonal space heating energy efficiency</b>			
								$\eta_s$	131	%	
<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	4,7	kW	Tj = -7 °C	COPd	1,88	kW				
Tj = +2 °C	Pdh	2,8	kW	Tj = +2 °C	COPd	3,26	kW				
Tj = +7 °C	Pdh	1,8	kW	Tj = +7 °C	COPd	4,72	kW				
Tj = +12 °C	Pdh	2,7	kW	Tj = +12 °C	COPd	6,47	kW				
Tj = biv	Pdh	4,7	kW	Tj = biv	COPd	1,88	kW				
Tj = TOL	Pdh	4,1	kW	Tj = TOL	COPd	1,77	kW				
Tj = -15 °C (if TOL < -20 °C)	Pdh		kW	Tj = -15 °C (if TOL < -20 °C)	COPd		kW				
Bivalent temperature				T <sub>biv</sub>	-7	°C		Operation limit temperature			
Cycling interval capacity for heating				P <sub>cyh</sub>		kW		Cycling interval efficiency			
Degradation co-efficient				Cdh	0,99	-		Heating water operating limit			
								TOL	-10	°C	
								COP <sub>cyh</sub>		-	
								WTOL	58	°C	
<i>Power consumption in modes other than active mode</i>								<i>Supplementary heater</i>			
Off mode	P <sub>OFF</sub>	0,007	kW	Rated heat output				P <sub>sup</sub>	1,2	kW	
Thermostat-off mode	P <sub>TO</sub>	0,012	kW	Type of energy input				Electric			
Standby mode	P <sub>SB</sub>	0,012	kW								
Crankcase heater mode	P <sub>CK</sub>	0	kW								
<i>Other items</i>											
Capacity control	variable			Rated air flow rate, outdoors					2526	m <sup>3</sup> /h	
Sound power level, indoors/outdoors	L <sub>WA</sub>	-/50	dB	Rated water flow rate, indoor heat exchanger						m <sup>3</sup> /h	
Annual energy consumption	Q <sub>HE</sub>	3248	kWh	Rated brine or water flow rate, outdoor heat exchanger						m <sup>3</sup> /h	
<i>For heat pump combination heater:</i>											
<b>Declared load profile</b>				<b>Water heating energy efficiency</b>				$\eta_{wh}$		%	
Daily electricity consumption				Q <sub>elec</sub>		kWh		Daily fuel consumption			
Annual electricity consumption				AEC		kWh		Annual fuel consumption			
								Q <sub>fuel</sub>		kWh	
								AFC		GJ	
<b>Approved by:</b>											
<b>Contact details</b>				© NIBE Energy Systems - Box 14 - Hannabadsvägen 5 - 28521 Markaryd - Sweden							