


Model(s):	NIBE F730 R/E						
Type of heat source/sink:	Exhaust air-to-water						
Low-temperature heat pump:	No						
Equipped with supplementary heater:	Yes						
Heat pump combination heater:	Yes						
Climate condition:	Average						
Temperature application:	Low temperature (35 °C)						
Applied standards:	EN14825, EN14511, EN16147 och EN12102						
Rated heat output	Prated	4,5	kW	Seasonal space heating energy efficiency	η_s	171	%
<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	3,5	kW	Tj = -7 °C	COPd	3,2	kW
Tj = +2 °C	Pdh	2,4	kW	Tj = +2 °C	COPd	4,5	kW
Tj = +7 °C	Pdh	1,6	kW	Tj = +7 °C	COPd	5,8	kW
Tj = +12 °C	Pdh	1,4	kW	Tj = +12 °C	COPd	5,6	kW
Tj = biv	Pdh	3,6	kW	Tj = biv	COPd	3,2	kW
Tj = TOL	Pdh	3,6	kW	Tj = TOL	COPd	3,1	kW
Tj = -15 °C (if TOL < -20 °C)	Pdh		kW	Tj = -15 °C (if TOL < -20 °C)	COPd		kW
Bivalent temperature	T _{biv}	-5	°C	Operation limit temperature	TOL	-10	°C
Cycling interval capacity for	P _{cyh}		kW	Cycling interval efficiency	COP _{cyh}		-
Degradation co-efficient	Cdh	0,93	-	Heating water operating limit temperature	WTOL	60	°C
<i>Power consumption in modes other than active mode</i>				<i>Supplementary heater</i>			
Off mode	P _{OFF}	0,003	kW	Rated heat output	P _{sup}	0,9	kW
Thermostat-off mode	P _{TO}	0,02	kW	Type of energy input Electric			
Standby mode	P _{SB}	0,02	kW				
Crankcase heater mode	P _{CK}	0,00	kW				
<i>Other items</i>							
Capacity control	variable			Rated air flow rate, outdoors		180	m ³ /h
Sound power level, indoors/outdoors	L _{WA}	44/-	dB	Rated brine or water flow rate, outdoor heat exchanger m ³ /h			
Annual energy consumption	Q _{HE}	2135	kWh				
<i>For heat pump combination heater:</i>							
Declared load profile	XL			Water heating energy efficiency	η_{wh}	110	%
Daily electricity consumption	Q _{elec}	7,28	kWh	Daily fuel consumption	Q _{fuel}		kWh
Annual electricity consumption	AEC	1537	kWh	Annual fuel consumption	AFC		GJ
Approved by:							
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