Supplier's name:	NI			
Model:	NIBE F2120-			
Temperature application	35	55	°C	
Declared load profile for water	XXL			
heating				
Seasonal space heating energy	A++	A++		
efficiency class, average climate:	ATT	ATT		
Water heating energy efficiency		A		
class, average climate:				
Rated heat output, average climate:	11,0	12,3	kW	
Annual energy consumption for	4500	0504		
space heating, average climate	4502	6524	kWh	
Annual electricity consumption for	2096		14/4/1-	
water heating, average climate			kWh	
Seasonal space heating energy		T		
efficiency, average climate:	199	153	%	
Water heating energy efficiency,			0/	
average climate:	103		%	
Sound power level LWA indoors	35		dB	
Rated heat output, cold climate:	13,0	14,0	kW	
Rated heat output, warm climate:	13,0	13,0	kW	
Annual energy consumption for	7540	0705	1-14/1-	
space heating, cold climate	7543	9765	kWh	
Annual electricity consumption for	2284		kWh	
water heating, cold climate	2284		KVVII	
Annual energy consumption for	3153	3867	kWh	
space heating, warm climate	3100	3007	KVVII	
Annual electricity consumption for	1873		kWh	
water heating, warm climate			KVVII	
Seasonal space heating energy	167	138	%	
efficiency, cold climate:	.5,		/~	
Water heating energy efficiency,	94		%	
cold climate:			ļ	
Seasonal space heating energy	217	177	%	
efficiency, warm climate:				
Water heating energy efficiency, warm climate:	1	%		
Sound power level LWA outdoors	Ę	dB		
Codina power level EVVA dataoors	,	uD		

Data for package fiche

Controller class	VI		
Controler contribution to efficiency	4,0		%
Seasonal space heating energy efficiency of package, average climate:	203	157	%
Seasonal space heating energy efficiency class for package, average climate:	A+++	A+++	%
Seasonal space heating energy efficiency of package, cold climate:	171	142	%
Seasonal space heating energy efficiency of package, warm climate:	221	181	%

Model(s):	NIBE F2120-20 + VVM500		
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:	High temperature (55 °C)		
	. =		



Climate condition:		Δι	verage 1			ı	
Temperature application:	Average High temperature (55 °C)		<u> </u>				
Applied standards: EN14825, EN14511, EN	N16147 and			erature (33°C)			
, , ,				Seasonal space heating energy			
Rated heat output	Prated	12,3	kW	efficiency	η_{s}	153	%
Declared canacity for part load at outdoor tom	ooraturo Ti			Declared coefficient of norformance for nort	load at outdo	or tomporat	uro Ti
Tj = -7 °C	clared capacity for part load at outdoor temperature Tj = -7 °C Pdh 10,9 kW		Declared coefficient of performance for part $Tj = -7 \text{ °C}$	COPd	2,48	ure ij	
Tj = +2 °C	Pdh	6,7	kW	Tj = +2 °C	COPd	3,96	_
Tj = +7 °C	Pdh	5,9	kW	Tj = +7 °C	COPd	4,67	_
Tj = +12 °C	Pdh	6,5	kW	Tj = +12 °C	COPd	5,67	_
Tj = biv	Pdh	10,9	kW	Tj = biv	COPd	2,48	-
Ti = TOL	Pdh	11,6	kW	Ti = TOL	COPd	2,40	-
Tj = -15 °C (if TOL < -20 °C)	Pdh		kW	Tj = -15 °C (if TOL < -20 °C)	COPd		-
Bivalent temperature	T _{biv}	-7	°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}	0,025	kW	Rated heat output	Psup	0,7	kW
Thermostat-off mode	P _{TO}	0,007	kW	·	<u>'</u>		
Standby mode	P _{SB}	0,025	kW	Type of energy input Electric			
Crankcase heater mode	P _{CK}	0,037	kW	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
	I.						
Other items		variable		Rated air flow rate, outdoors		4150	3/b
Capacity control		variable		Rated water flow rate, indoor heat		4150	m³/h
Sound power level, indoors/outdoors	L _{WA}	35/53	dB	exchanger		variable	m³/h
Journa power level, illadors/ outaoors	-WA	33/33	ub			variable	,
Annual anargu canaurantian		CF24	LAAde	Rated brine or water flow rate,			m³/h
Annual energy consumption	Q_{HE}	6524	kWh	outdoor heat exchanger			111-711
For heat pump combination heater:							
Declared load profile		XXL		Water heating energy efficiency	η_{wh}	103	%
Daily electricity consumption	0	9,54	kWh	Daily fuel consumption	0.	1	kWh
Annual electricity consumption	Q _{elec} AEC	2096	kWh	Annual fuel consumption	Q _{fuel} AFC	-	GJ
Approved by:	AEC	2090	KVVII	Aimuai ruei consumption	AFC	1	נט
Contact details	© NIRF F	nergy Sys	tems -	Box 14 - Hannabadsvägen 5 - 28521 Ma	arkarvd - 9	weden	
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