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METROAIR F6



55 °C

35 °C



A++

A++



dB



50 dB

6
5
5
kW

4
5
4
kW



2015

811/2013



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METROAIR F6+S20



A⁺⁺

A⁺⁺⁺

A⁺⁺

A⁺⁺

A⁺

A

B

C

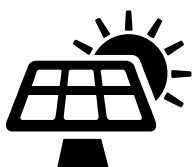
D

E

F

G

+



+



+




+



Supplier's name:	METRO THERM A/S		
Model:	METROAIR F6 + S20		
Temperature application	35	55	°C
Declared load profile for water heating			
Seasonal space heating energy efficiency class, average climate:	A++	A++	
Water heating energy efficiency class, average climate:			
Rated heat output, average climate:	5	5,0	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:	4,0	6,0	kW
Rated heat output, warm climate:	4,0	5,0	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

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:	A+++	A++	%
Seasonal space heating energy efficiency of package, cold climate:	147	120	%
Seasonal space heating energy efficiency of package, warm climate:	256	183	%

Model(s):		METROAIR F6 + S20				<div></div>			
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: EN14825 and EN16147									
Rated heat output		Prated	5,3	kW	Seasonal space heating energy efficiency		ηs	131	%
Declared capacity for part load at outdoor temperature Tj				Declared coefficient of performance for part load at outdoor temperature Tj					
Tj = -7 °C	Pdh	4,7	kW	Tj = -7 °C	COPd	1,88	-		
Tj = +2 °C	Pdh	2,8	kW	Tj = +2 °C	COPd	3,26	-		
Tj = +7 °C	Pdh	1,8	kW	Tj = +7 °C	COPd	4,72	-		
Tj = +12 °C	Pdh	2,7	kW	Tj = +12 °C	COPd	6,47	-		
Tj = biv	Pdh	4,7	kW	Tj = biv	COPd	1,88	-		
Tj = TOL	Pdh	4,1	kW	Tj = TOL	COPd	1,77	-		
Tj = -15 °C (if TOL < -20 °C)	Pdh	-	kW	Tj = -15 °C (if TOL < -20 °C)	COPd	-	-		
Bivalent temperature	Tbiv	-7	°C	Operation limit temperature		TOL	-10	°C	
Cycling interval capacity for heating	Ppsych		kW	Cycling interval efficiency		COPcyc		-	
Degradation co-efficient	Cdh	0,99	-	Heating water operating limit		WTOL	58	°C	
Power consumption in modes other than active mode				Supplementary heater					
Off mode	P _{OFF}	0,007	kW	Rated heat output		P _{sup}	1,2	kW	
Thermostat-off mode	P _{TO}	0,012	kW						
Standby mode	P _{SB}	0,012	kW	Type of energy input		Electric			
Crankcase heater mode	P _{CK}	0	kW						
Other items									
Capacity control		variable		Rated air flow rate, outdoors			2526	m³/h	
Sound power level, indoors/outdoors		L _{WA}	-/50	dB	Rated water flow rate, indoor heat exchanger			m³/h	
Annual energy consumption		Q _{HE}	3248	kWh	Rated brine or water flow rate, outdoor heat exchanger			m³/h	
For heat pump combination heater:									
Declared load profile				Water heating energy efficiency		η _{wh}		%	
Daily electricity consumption	Q _{elec}		kWh	Daily fuel consumption		Q _{fuel}		kWh	
Annual electricity consumption	AEC		kWh	Annual fuel consumption		AFC		GJ	
Approved by:									
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