



**ENERG** Y IJA  
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METROSAVER Duo F 43



55 °C

35 °C



**A+++**

**A+++**



**47** dB



dB

■ 42  
 ■ **42**  
 ■ 42  
 kW

■ 45  
 ■ **45**  
 ■ 45  
 kW



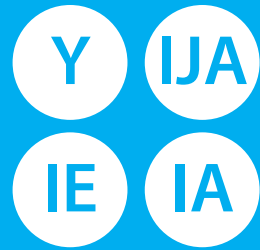
2019

811/2013

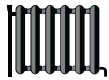




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METROSAVER Duo F 43













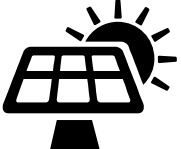






















Supplier's name:	<b>METRO THERM A/S</b>		
Model:	<b>METROSAVER Duo F 43</b>		
Temperature application	35	55	°C
Declared load profile for water heating			
Seasonal space heating energy efficiency class, average climate:	<b>A+++</b>	<b>A+++</b>	
Water heating energy efficiency class, average climate:			
Rated heat output, average climate:	45	42	kW
Annual energy consumption for space heating, average climate	18588	21700	kWh
Annual electricity consumption for water heating, average climate			kWh
Seasonal space heating energy efficiency, average climate:	192	152	%
Water heating energy efficiency, average climate:			%
Sound power level LWA indoors	47		dB
Rated heat output, cold climate:	45	42	kW
Rated heat output, warm climate:	45	42	kW
Annual energy consumption for space heating, cold climate	21011	24977	kWh
Annual electricity consumption for water heating, cold climate			kWh
Annual energy consumption for space heating, warm climate	11463	13776	kWh
Annual electricity consumption for water heating, warm climate			kWh
Seasonal space heating energy efficiency, cold climate:	203	158	%
Water heating energy efficiency, cold climate:			%
Seasonal space heating energy efficiency, warm climate:	202	155	%
Water heating energy efficiency, warm climate:			%
Sound power level LWA outdoors	-		dB

#### Data for package fiche

Controller class	VII		
Controller contribution to efficiency	2		%
Seasonal space heating energy efficiency of package, average climate:	194	154	%
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:	205	160	%
Seasonal space heating energy efficiency of package, warm climate:	204	157	%

<b>Model(s):</b>		<b>METROSAVER Duo F 43</b>									
Type of heat source/sink:		Brine-to-water									
Low-temperature heat pump:		No									
Equipped with supplementary heater:		No									
Heat pump combination heater:		No									
Climate condition:		Average									
Temperature application:		Medium temperature (55 °C)									
Applied standards: EN14825 and EN16147											
<b>Rated heat output</b>		Prated	42,0	kW	<b>Seasonal space heating energy efficiency</b>		$\eta_s$	152	%		
<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	36,5	kW	Tj = -7 °C	COPd	3,10	-				
Tj = +2 °C	Pdh	26,6	kW	Tj = +2 °C	COPd	3,90	-				
Tj = +7 °C	Pdh	13,3	kW	Tj = +7 °C	COPd	4,70	-				
Tj = +12 °C	Pdh	7,8	kW	Tj = +12 °C	COPd	5,40	-				
Tj = biv	Pdh	40,1	kW	Tj = biv	COPd	2,80	-				
Tj = TOL	Pdh	40,1	kW	Tj = TOL	COPd	2,80	-				
Tj = -15 °C (if TOL < -20 °C)	Pdh		kW	Tj = -15 °C (if TOL < -20 °C)	COPd		-				
Bivalent temperature				T <sub>biv</sub>	-10	°C	Operation limit temperature		TOL	-10	°C
Cycling interval capacity for heating				P <sub>cyh</sub>		kW	Cycling interval efficiency		COP <sub>cyh</sub>		-
Degradation co-efficient				Cdh	1,00	-	temperature		WTOL	65	°C
<i>Power consumption in modes other than active mode</i>				<i>Supplementary heater</i>							
Off mode	P <sub>OFF</sub>	0,008	kW	Rated heat output		P <sub>sup</sub>	0,0	kW			
Thermostat-off mode	P <sub>TO</sub>	0	kW	Type of energy input		Electric					
Standby mode	P <sub>SB</sub>	0,008	kW								
Crankcase heater mode	P <sub>CK</sub>	0,02	kW								
<i>Other items</i>											
Capacity control	variable			Rated air flow rate, outdoors				m <sup>3</sup> /h			
Sound power level, indoors/outdoors	L <sub>WA</sub>	47/-	dB	Rated water flow rate, indoor heat exchanger				m <sup>3</sup> /h			
Annual energy consumption	Q <sub>HE</sub>	21700	kWh	Rated brine or water flow rate, outdoor heat exchanger			5,92	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		Q <sub>fuel</sub>		kWh		
Annual electricity consumption		AEC		kWh	Annual fuel consumption		AFC		GJ		
<b>Approved by:</b>											
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