

IJA ENERG енергия · ενεργεια



METROSAVER MB 8



























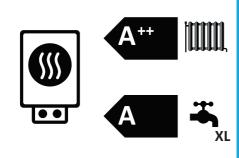
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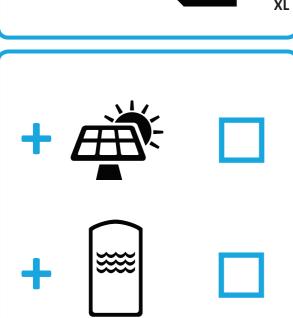


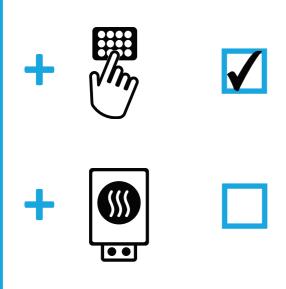
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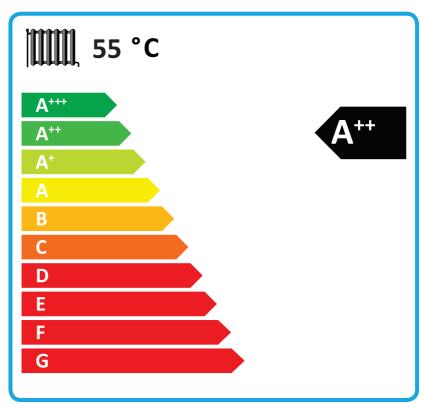


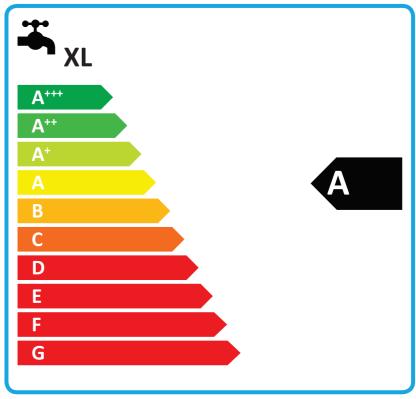
METROSAVER MB 8

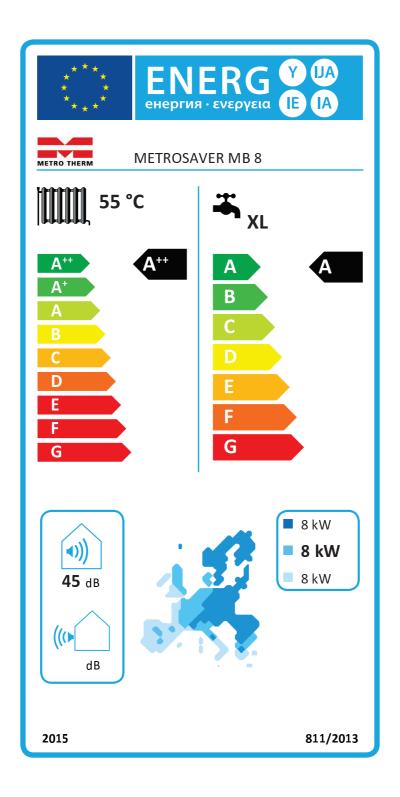


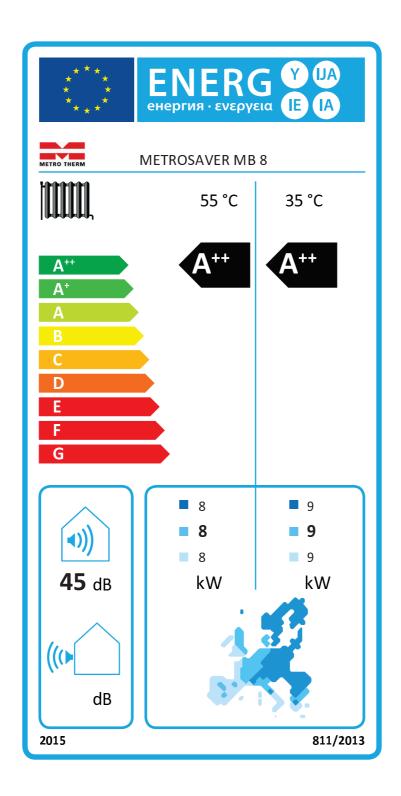












Supplier's name:	METRO T		
Model:	Metrosa	ver MB 8	
Temperature application	35	55	℃
Declared load profile for water heating	XL		
Seasonal space heating energy efficiency class, average climate:	A++	A++	
Water heating energy efficiency class, average climate:	A		
Rated heat output, average climate:	9	8	kW
Annual energy consumption for space heating, average climate	3797	4433	kWh
Annual electricity consumption for water heating, average climate	1668		kWh
Seasonal space heating energy efficiency, average climate:	188	141	%
Water heating energy efficiency, average climate:	100		%
Sound power level LWA indoors	45		dB
Rated heat output, cold climate:	9	8	kW
Rated heat output, warm climate:	9	8	kW
Annual energy consumption for space heating, cold climate	4393	5142	kWh
Annual electricity consumption for water heating, cold climate	1668		kWh
Annual energy consumption for space heating, warm climate	2461	2860	kWh
Annual electricity consumption for water heating, warm climate	1668		kWh
Seasonal space heating energy efficiency, cold climate:	194	145	%
Water heating energy efficiency, cold climate:	100		%
Seasonal space heating energy efficiency, warm climate:	187	141	%
Water heating energy efficiency, warm climate:	100		%
Sound power level LWA outdoors		-	dB

Data for package fiche

Controller class	V		
Controler contribution to efficiency	3,5		%
Seasonal space heating energy efficiency of package, average climate:	191	145	%
Seasonal space heating energy efficiency class for package, average climate:	A+++	A++	%
Seasonal space heating energy efficiency of package, cold climate:	198	149	%
Seasonal space heating energy efficiency of package, warm climate:	191	145	%

Model(s):	Metrosaver MB 8		
Type of heat source/sink:	Brine-to-water		
Low-temperature heat pump:	No		
Equipped with supplementary heater:	Yes		
Heat pump combination heater:	Yes		
Climate condition:	Average		
Temperature application:	Medium temperature (55 °C)		



Temperature application:			Medium te	emperature (55 °C)			
Applied standards: EN14825 and EN1614	7						
				Seasonal space heating energy			
Rated heat output	Prated	8,0	kW	efficiency	η_{s}	141	%
Declared capacity for part load at outdoor tem	perature Ti			Declared coefficient of performance for par	rt load at outdoo	or temperatui	re Ti
Tj = -7 ℃	Pdh	6,2	kW	Tj = -7 ℃	COPd	3,28	kW
Tj = +2 ℃	Pdh	6,9	kW	Tj = +2 ℃	COPd	3,81	kW
Tj = +7 ℃	Pdh	7,2	kW	Tj = +7 ℃	COPd	4,13	kW
Tj = +12 ℃	Pdh	7,6	kW	Tj = +12 ℃	COPd	4,41	kW
Tj = biv	Pdh	6,4	kW	Tj = biv	COPd	3,44	kW
Tj = TOL	Pdh	5,9	kW	Tj = TOL	COPd	3,07	kW
Tj = -15 °C (if TOL < -20 °C)	Pdh		kW	Tj = -15 °C (if TOL < -20 °C)	COPd		kW
Bivalent temperature	T _{biv}	-4,9	°C	Operation limit temperature	TOL	-10	°C
Cycling interval capacity for heating	Pcych	-,-	kW	Cycling interval efficiency	COPcyc		<u> </u>
Degradation co-efficient	Cdh	0,99	-	temperature	WTOL	65	°C
Power consumption in modes other than active	1	2 222	1,114	Supplementary heater			1111
Off mode	P _{OFF}	0,002	kW	Rated heat output	Psup	2,1	kW
Thermostat-off mode	P _{TO}	0,01	kW				
Standby mode	P_{SB}	0,007	kW	Type of energy input	Electric		
Crankcase heater mode	P _{CK}	0,014	kW				
Other items							
Capacity control	fixed			Rated air flow rate, outdoors			m³/h
				Rated water flow rate, indoor heat			
Sound power level, indoors/outdoors	L_WA	45/-	dB	exchanger		0,64	m³/h
				Rated brine or water flow rate,			
Annual energy consumption	Q_{HE}	4433	kWh	outdoor heat exchanger		1,20	m³/h
For heat pump combination heater:							
Declared load profile		XL		Water heating energy efficiency	η_{wh}	100	%
Della destable accessorable a		7.60	134/6	Della facility and the			1144
Daily electricity consumption	Q _{elec}	7,60	kWh	Daily fuel consumption	Q _{fuel}		kWh
Annual electricity consumption	AEC	1668	kWh	Annual fuel consumption	AFC		GJ
Approved by:	1						
Contact details	METRO THERM A/S Rundinsvej 55 DK-3200 Helsinge www.metrotherm.dk						