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METROSAVER MB 6























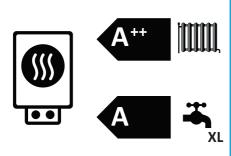


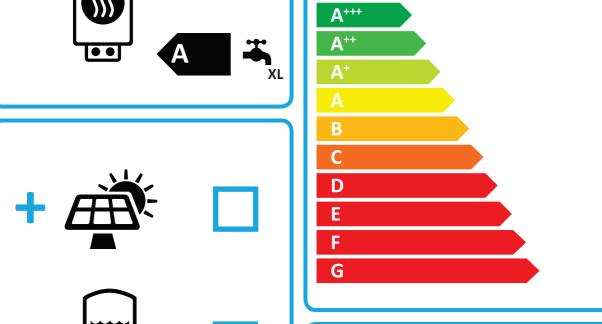
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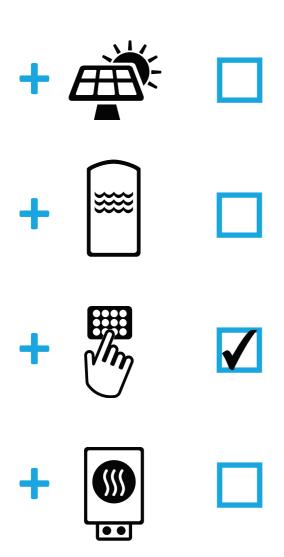


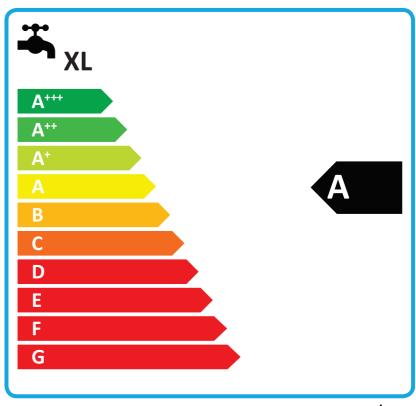
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55 °C

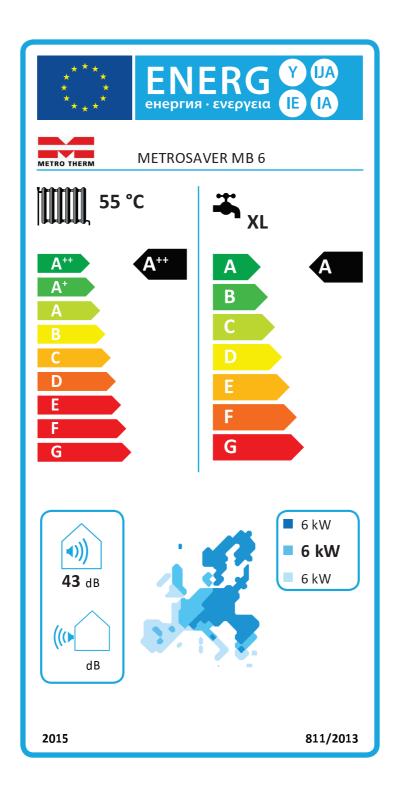


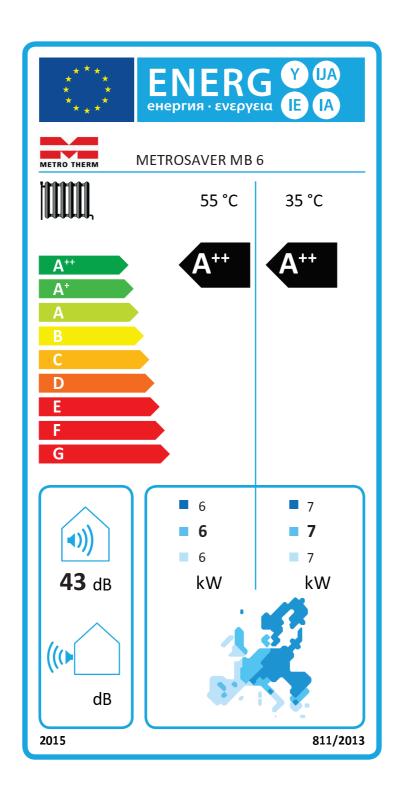






2015





Supplier's name:	METRO T		
Model:	Metrosa		
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:	7	6	kW
Annual energy consumption for space heating, average climate	3010	3425	kWh
Annual electricity consumption for water heating, average climate	1709		kWh
Seasonal space heating energy efficiency, average climate:	184	137	%
Water heating energy efficiency, average climate:	98		%
Sound power level LWA indoors	43		dB
Rated heat output, cold climate:	7	6	kW
Rated heat output, warm climate:	7	6	kW
Annual energy consumption for space heating, cold climate	3487	3969	kWh
Annual electricity consumption for water heating, cold climate	1709		kWh
Annual energy consumption for space heating, warm climate	1964	2233	kWh
Annual electricity consumption for water heating, warm climate	1709		kWh
Seasonal space heating energy efficiency, cold climate:	190	141	%
Water heating energy efficiency, cold climate:	98		%
Seasonal space heating energy efficiency, warm climate:	182	136	%
Water heating energy efficiency, warm climate:	98		%
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:	188	140	%
Seasonal space heating energy efficiency class for package, average climate:	A+++	A++	%
Seasonal space heating energy efficiency of package, cold climate:	193	145	%
Seasonal space heating energy efficiency of package, warm climate:	186	139	%

Brine-to-water		
No		
Yes		
Yes		
Average		
Medium temperature (55 °C)		



Applied standards: EN14825 and EN1614	7						
	1						
				Seasonal space heating energy	,		
Rated heat output	Prated	6,0	kW	efficiency	η_{s}	137	%
Declared capacity for part load at outdoor ten	nnerature Ti			Declared coefficient of performance f	or part load at outdo	oor temneratu	re Ti
Ti = -7 °C	Pdh	4,8	kW	Tj = -7 ℃	COPd	3,18	kW
Tj = +2 °C	Pdh	5,3	kW	Tj = +2 °C	COPd	3,69	kW
Tj = +7 ℃	Pdh	5,6	kW	Tj = +7 ℃	COPd	4,02	kW
Tj = +12 ℃	Pdh	6,0	kW	Tj = +12 ℃	COPd	4,29	kW
Tj = biv	Pdh	4,9	kW	Tj = biv	COPd	3,30	kW
Tj = TOL	Pdh	4,5	kW	Tj = TOL	COPd	2,96	kW
Tj = -15 °C (if TOL < -20 °C)	Pdh		kW	Tj = -15 °C (if TOL < -20 °C)	COPd		kW
Bivalent temperature	T _{biv}	-5,3	°C	Operation limit temperature	TOL	-10	°C
Cycling interval capacity for heating	Pcych	-3,3	kW	Cycling interval efficiency	COPcyc	-10	
Degradation co-efficient	Cdh	0,99	K V V	temperature	WTOL	65	°C
Degradation co-emclent	Cuii	0,33		temperature	WIOL	03	C
Power consumption in modes other than activ	e mode			Supplementary heater			
Off mode	P _{OFF}	0,002	kW	Rated heat output	Psup	1,5	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 h	neat		
Sound power level, indoors/outdoors	L_{WA}	43/-	dB	exchanger		0,90	m³/h
				Rated brine or water flow rate,			
Annual energy consumption	Q_{HE}	3425	kWh	outdoor heat exchanger		0,90	m³/h
For heat pump combination heater:							
Declared load profile		XL		Water heating energy efficience	ry n.	98	%
Declared load profile		AL .		water neating energy emclend	c y η _{wh}	36	/6
Daily electricity consumption	Q_{elec}	7,78	kWh	Daily fuel consumption	Q_{fuel}		kWh
Annual electricity consumption	AEC	1709	kWh	Annual fuel consumption	AFC		GJ
Approved by:							
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