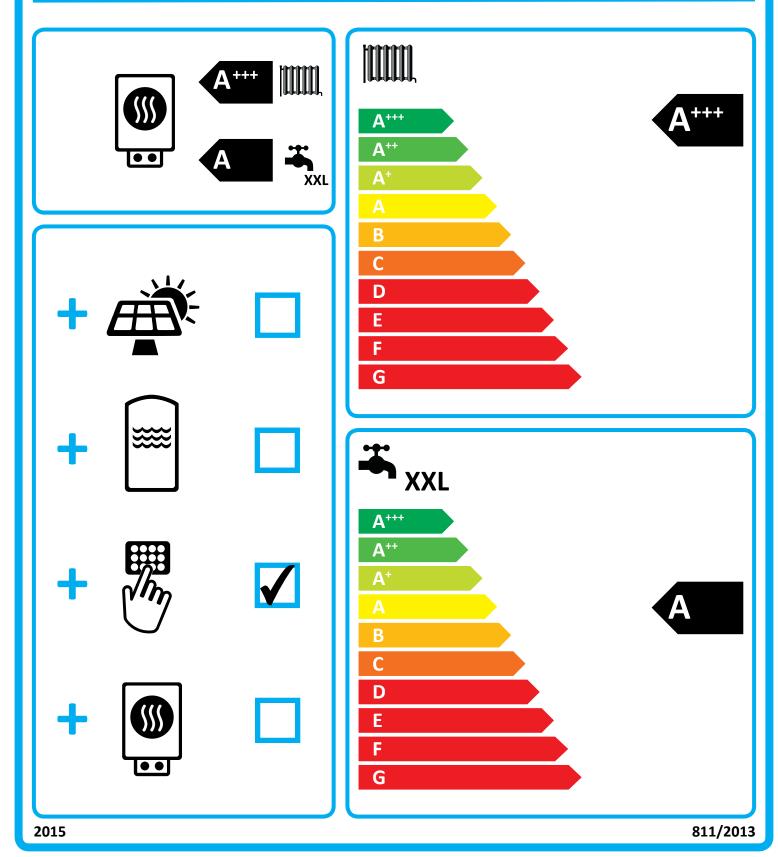
**** ***** ***** ENERG У ЏА енергия · еvеруеца Е ГА						
METROAIR I 20						
	55 °C	35 °C				
A*** A** A A B C D	A++++	A+++				
((() dB ((() 55 dB	<ul> <li>14</li> <li>12</li> <li>11</li> <li>13</li> <li>13</li> <li>13</li> <li>kW</li> <li>kW</li> </ul>					
2019 811/2013						



METRO THERM

## METROAIR I 20 + METROAIR 500



Supplier's name:	METRO TI			
Model:	Metroair I 20 +			
Temperature application	35	55	°C	
Declared load profile for water	Y	XL		
heating	~			
Seasonal space heating energy	A+++	A+++		
efficiency class, average climate:	ATTT	A+++		
Water heating energy efficiency	Δ			
class, average climate:	P			
Rated heat output, average climate:	11	12,3	kW	
Annual energy consumption for	4502	6524	kWh	
space heating, average climate	4302	0324	K V V I I	
Annual electricity consumption for	2096		kWh	
water heating, average climate	20	90	KVVII	
Seasonal space heating energy	400	450	0/	
efficiency, average climate:	199	153	%	
Water heating energy efficiency,	103		%	
average climate:	-			
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	7543	9765	kWh	
space heating, cold climate	7545	3705	K V V I I	
Annual electricity consumption for	2284		kWh	
water heating, cold climate			KVVII	
Annual energy consumption for	3153	3867	kWh	
space heating, warm climate	0100			
Annual electricity consumption for	1873		kWh	
water heating, warm climate Seasonal space heating energy				
efficiency, cold climate:	167	138	%	
Water heating energy efficiency,				
cold climate:	94		%	
Seasonal space heating energy			-	
efficiency, warm climate:	217	177	%	
Water heating energy efficiency,			0/	
warm climate:	115		%	
Sound power level LWA outdoors	5	dB		

## Data for package fiche

Controller class	V		
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):		Me	etroair I 20	) + Metroair 500				
Type of heat source/sink:			Air-t	o-water				
Low-temperature heat pump:				No				
Equipped with supplementary heater:				Yes			1	
Heat pump combination heater:				Yes				
Climate condition:			Av	erage	METRO THERM			
		Medium temperature (55 °C)		1				
Applied standards: EN14825 and EN1614	7			·	-			
				Seasonal space h	eating energy			
Rated heat output	Prated	12,3	kW	efficiency		η <sub>s</sub>	153	%
Declared capacity for part load at outdoor ten	perature Ti			Declared coefficient	of performance for part l	oad at outdo	or temperat	ure Ti
Ti = -7 °C	Pdh	10,9	kW	Tj = -7 °C		COPd	2,48	-
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	6,0	kW	Tj = +12 °C		COPd	5,67	-
Tj = biv	Pdh	10,9	kW	Tj = biv		COPd	2,48	-
Tj = TOL	Pdh	11,6	kW	Tj = TOL		COPd	2,40	-
Tj = -15 °C (if TOL < -20 °C)	Pdh		kW	Tj = -15 °C (if TOL	. < -20 °C)	COPd		-
Bivalent temperature	Т	-7	°C	Operation limit to	amperature	TOL	-10	°C
	T <sub>biv</sub>	-/		Operation limit temperature		-	-10	C
Cycling interval capacity for heating Degradation co-efficient	Pcych Cdh	0,99	kW	Cycling interval efficiency Heating water operating limit		COPcyc WTOL	65	- °C
		0,99				WIOL	05	Ľ
Power consumption in modes other than activ	e mode			Supplementary heat	er			
Off mode	P <sub>OFF</sub>	0,025	kW	Rated heat outpu	ıt	Psup	0,7	kW
Thermostat-off mode	P <sub>TO</sub>	0,007	kW					
Standby mode	P <sub>SB</sub>	0,025	kW	Type of energy input Electric		Electric		
Crankcase heater mode	Р <sub>ск</sub>	0,037	kW					
Other items								
Capacity control		variable		Rated air flow rat	air flow rate, outdoors		4150	m³/h
					rate, indoor heat			
Sound power level, indoors/outdoors	L <sub>WA</sub>	35/55	dB	exchanger			variable	m³/h
				Rated brine or wa	ater flow rate,			
Annual energy consumption	Q <sub>HE</sub>	6524	kWh	outdoor heat exc	hanger			m³/h
For heat pump combination heater:								
Declared load profile		XXL		Water heating e	nergy efficiency	η <sub>wh</sub>	103	%
	•							
Daily electricity consumption	Q <sub>elec</sub>	9,54	kWh	Daily fuel consum	nption	Q <sub>fuel</sub>		kWh
Annual electricity consumption	AEC	2096	kWh	Annual fuel consi		AFC		GJ
Approved by:			· · · · ·	•		1		
Contact details	METRO 1	HERM A	'S Rundin	svej 55 DK-3220 Hels	inge www.metrothe	erm dk		