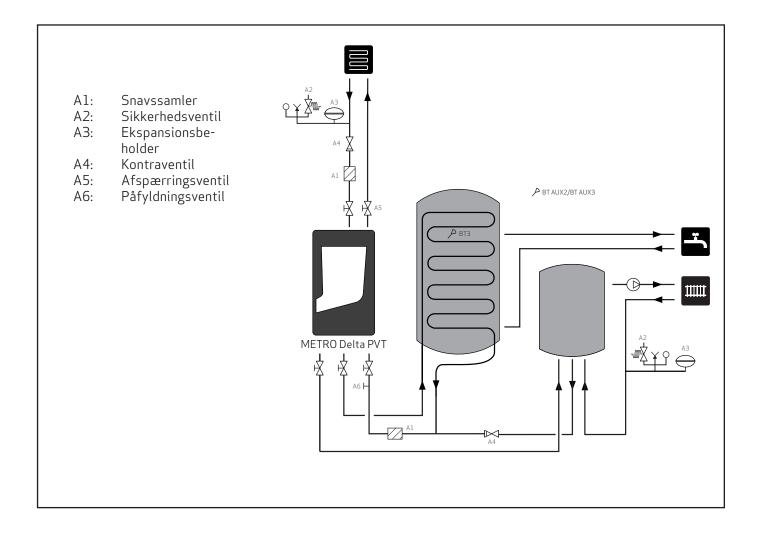
METRO Delta P

Datablad





Supplier's name:	METRO TH	HERM A/S	
Model:	METRO Delta P		
Temperature application	35	55	°C
Declared load profile for water		•	
heating	L	•	
Seasonal space heating energy	^		
efficiency class, average climate:	A +++	A+++	
Water heating energy efficiency	Δ.		
class, average climate:	A+		
	4	4	kW
Rated heat output, average climate:	4	4	I KVV
Annual energy consumption for	1476	1691	kWh
space heating, average climate	1470	1091	KVVII
Annual electricity consumption for	73	2	kWh
water heating, average climate	10		KVVII
Seasonal space heating energy	238	180	%
efficiency, average climate:	250	100	70
Water heating energy efficiency,	140		%
average climate:	140		70
Sound power level LWA indoors	43		dB
Rated heat output, cold climate:	4	4	kW
Rated heat output, warm climate:	4	4	kW
Annual energy consumption for	1725	1968	kWh
space heating, cold climate	1720	1500	KVVII
Annual electricity consumption for	732		kWh
water heating, cold climate	132		I KVVIII
Annual energy consumption for	955	1082	kWh
space heating, warm climate		1002	I KVVIII
Annual electricity consumption for	732		l _{kWh}
water heating, warm climate	102		1 1000
Seasonal space heating energy	244	185	%
efficiency, cold climate:	211		,,,
Water heating energy efficiency,	140		%
cold climate:			
Seasonal space heating energy	238	182	%
efficiency, warm climate:			1 , ,
Water heating energy efficiency,	140		%
warm climate:	110		
Sound power level LWA outdoors		-	dB

Model(s):	METRO Delta P		
Type of heat source/sink:	Water / 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)		
Applied standards: EN14925 EN16147 EN12102.1			



Heat pump combination heater:				res			
Climate condition:				Average	METRO	THE	RM
Temperature application:		ı	Medium	temperature (55 °C)			
Applied standards: EN14825 - EN16147	- EN12102-	1					
				Seasonal space heating e	energy		
Rated heat output	Prated	3,9	kW	efficiency	η_{s}	180	%
					·		
Declared capacity for part load at outdoor tem			1	Declared coefficient of perform	' ' ' ' '		re Тј
Tj = -7 °C	Pdh	3,6	kW	Tj = -7 °C	COPd	3,93	
Tj = +2 °C	Pdh	3,9	kW	Tj = +2 °C	COPd	4,63	
Tj = +7 °C	Pdh	4,0	kW	Tj = +7 °C	COPd	5,14	
Tj = +12 °C	Pdh	4,1	kW	Tj = +12 °C	COPd	5,71	
Tj = biv	Pdh	3,5	kW	Tj = biv	COPd	3,66	
Tj = TOL	Pdh	3,5	kW	Tj = TOL	COPd	3,66	
Tj = -15 °C (if TOL < -20 °C)	Pdh		kW	Tj = -15 °C (if TOL < -20 °C	C) COPd		
Divolent tempo ereture	₊	10	°C	On avation limit town avat	TOI TOI	10	l «c
Bivalent temperature	T _{biv}	-10	_	Operation limit temperat		-10	°C
Cycling interval capacity for heating Degradation co-efficient	Pcych Cdh	1.00	kW	Cycling interval efficiency Heating water operating		70	- °C
Degradation co-efficient	Can	1,00	-	Heating water operating	ilmit WTOL	70	1
Power consumption in modes other than active	mode			Supplementary heater			
Off mode	P _{OFF}	0,003	kW	Rated heat output	Psup	0,0	kW
Thermostat-off mode	P _{TO}	0,003	kW	'		· ·	
Standby mode	P _{SB}	0,003	kW	Type of energy input		Electric	
Crankcase heater mode	P _{CK}	0,000	kW	71 07 1	I		
Other items							1
Capacity control		Fixed		Rated air flow rate, outdo			m³/h
			l l	Rated water flow rate, in	door heat		3 /1
Sound power level, indoors/outdoors	L _{WA}	43/-	dB	exchanger			m³/h
	_			Rated brine or water flow	v rate,		3 /1
Annual energy consumption	Q _{HE}	1691	kWh	outdoor heat exchanger			m³/h
.							
For heat pump combination heater:				14/-4	fi-i	140	0/
Declared load profile		L		Water heating energy ef	ficiency η _{wh}	140	%
Daily electricity consumption	Q _{elec}	3,500	kWh	Daily fuel consumption	Q_{fuel}		kWh
Annual electricity consumption	AEC AEC	732	kWh	Annual fuel consumption			GJ
annual electricity consumption	ALC	, , , ,	I KAAII	Annual raci consumption	AIC		1 0,
Approved by:							
Contact details	METRO T	HERM A/S	- Rundi	nsvej 55 - 3200 Helsinge - Do	enmark		

Model(s):		METI		ETRO Delta P			
Type of heat source/sink:			V	ater / Water			
Low-temperature heat pump:				No		_	
Equipped with supplementary heater:				Yes			
Heat pump combination heater:		Yes					
Climate condition:		Average		Average	METRO	THE	RM
Temperature application:			Low te	mperature (35 °C)			
Applied standards: EN14825 - EN16147	- EN12102-	1					
Rated heat output	Prated	4,4	kW	Seasonal space heating end efficiency	ergy η _s	238	%
Declared capacity for part load at outdoor tem	perature Tj			Declared coefficient of performan	nce for part load at outo	loor temperatu	re Tj
Tj = -7 °C	Pdh	4,1	kW	Tj = -7 °C	COPd	5,77	T .
Tj = +2 °C	Pdh	4,2	kW	Tj = +2 °C	COPd	6,11	
Tj = +7 °C	Pdh	4,2	kW	Tj = +7 °C	COPd	6,37	
Tj = +12 °C	Pdh	4,3	kW	Tj = +12 °C	COPd	6,67	
Tj = biv	Pdh	4,1	kW	Tj = biv	COPd	5,72	
Tj = TOL	Pdh	4,1	kW	Tj = TOL	COPd	5,72	
Tj = -15 °C (if TOL < -20 °C)	Pdh		kW	Tj = -15 °C (if TOL < -20 °C)	COPd		
Bivalent temperature	T _{biv}	-10	°C	Operation limit temperature	e TOL	-10	°C
Cycling interval capacity for heating	Pcych		kW	Cycling interval efficiency	COPcvc		-
Degradation co-efficient	Cdh	1,00	-	Heating water operating lim	nit WTOL	70	°C
Power consumption in modes other than active	mode			Supplementary heater	·	•	•
Off mode	P _{OFF}	0,003	kW	Rated heat output Psup		0.0	kW
Thermostat-off mode	P _{TO}	0,003	kW	nacea near earpar	Тэйр	0,0	1
			+	Turn of an arm district			
Standby mode	P _{SB}	0,003	kW	Type of energy input	Type of energy input Electric		
Crankcase heater mode	P _{CK}	0,000	kW				
Other items							
Capacity control		Fixed		Rated air flow rate, outdoor			m³/h
Sound power level, indoors/outdoors	L _{WA}	41/-	dB	Rated water flow rate, indo exchanger	or heat		m³/h
, , , , , , , , , , , , , , , , , , , ,	VVA	•-,		Rated brine or water flow ra	ate,		<u> </u>
Annual energy consumption	Q _{HE}	1476	kWh	outdoor heat exchanger			m³/h
For heat pump combination heater:							
Declared load profile L		Water heating energy effic	iency η _{wh}	140	%		
		-		Trace nearing energy enic	· iwh	1 170	1 /
Daily electricity consumption	Q _{elec}	3,500	kWh	Daily fuel consumption	Q_{fuel}		kWh
Annual electricity consumption	AEC	732	kWh	Annual fuel consumption	AFC		GJ

METRO THERM A/S - Rundinsvej 55 - 3200 Helsinge - Denmark

Approved by:

Contact details