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Heat pump model		Master Therm	BA26I-1]
			A* A4/ /	-
Heat pump type			Air/Water	_
Supplementary heater			Yes	_
Heat pump combination heate	ſ		No	
Reference heating season			Average	
Reference water temperature			LOW, 35°C	
Full load heating		Prated [kW]	6.51	
Seasonal efficiency		η _s [%]	168	A++
Annual electricity consumptior	1	Q _{HE} [kWh]	3139	
Average 35°C	Outdoor heat exchanger	Declared capacity	COP at part load	Degradation Coefficient
, (10) ugo 00 0	Outdoor air			<u>-</u> - <u>-</u>
	Tj [°C]	Pdh [kW]	COPd (-)	Cdh (-)
A	-7	5.76	2.59	0.900
B	-7	3.72	3.91	0.900
C	7	2.42	6.53	0.900
D	12	2.74	7.21	0.900
TOL (E)	-10	5.88	2.52	0.900
Tbivalent (F)	-7	5.76	2.59	0.900
	· · ·	0.10	2.00	0.000
Reference heating season			Average	
Reference water temperature			High, 55°C	1
Full load heating		Prated [kW]	6.33	1
Seasonal efficiency		η _s [%]	126	A++
Annual electricity consumption	1	Q _{HE} [kWh]	4039	
Average EE°C	Outdoor boot outborner			Degradation Coefficient
Average 55°C	Outdoor heat exchanger	Declared capacity	COP at part load	Degradation Coefficient
	Outdoor air		0001()	
٨	Tj [°C] -7	Pdh [kW]	COPd (-) 1.94	Cdh (-)
A B		5.60		0.900
C	2 7	3.50 2.33	3.02 4.69	0.900
C	12	2.33	5.55	0.963
TOL (E)	-10	5.66	1.82	0.900
Tbivalent (F)	-7	5.60	1.94	0.900
		0.00	1.01	0.000
Reference heating season			Warmer	
Reference water temperature			Low, 35°C	
Full load heating		Prated [kW]	7.67	
Seasonal efficiency		η _s [%]	259	
Annual electricity consumption	1	Q _{HE} [kWh]	1567	1
Warmer 35°C	Outdoor heat exchanger	Declared capacity	COP at part load	Degradation Coefficient
	Outdoor air			
	Tj [°C]	Pdh [kW]	COPd (-)	Cdh (-)
В	2	7.67	3.41	0.900
С	7	5.10	5.85	0.900
D	12	2.52	8.10	0.944
TOL (E) Tbivalent (F)	2 2	7.67 7.67	3.41 3.41	0.900

Heat pump model		Master Therm	BA26I-1	
Reference heating season			Warmer	
Reference water temperature			High, 55°C	
Full load heating		Prated [kW]	7.40	
Seasonal efficiency		η _s [%]	177	
Annual electricity consumption	1	Q _{HE} [kWh]	2199	
Warmer 55°C	Outdoor heat exchanger Outdoor air	Declared capacity	COP at part load	Degradation Coefficient
	Тј [°С]	Pdh [kW]	COPd (-)	Cdh (-)
В	2	7.40	2.21	0.900
С	7	5.17	3.71	0.900
D	12	2.46	6.09	0.957
TOL (E)	2	7.40	2.21	0.900
Tbivalent (F)	2	7.40	2.21	0.900

Reference heating season			Colder	
Reference water temperature			Low, 35°C	
Full load heating		Prated [kW]	9.65	
Seasonal efficiency		η _s [%]	132	
Annual electricity consumption)	Q _{HE} [kWh]	5987	
Colder 35°C	Outdoor heat exchanger	Declared capacity	COP at part load	Degradation Coefficient
	Outdoor air			
	Tj [°C]	Pdh [kW]	COPd (-)	Cdh (-)
А	-7	5.84	2.70	0.900
В	2	3.54	4.55	0.900
С	7	2.97	6.82	0.960
D	12	3.45	7.50	0.959
TOL (E)	-22	4.16	2.08	0.900
Tbivalent (F)	-7	5.84	2.70	0.900
G	-15	4.81	2.32	0.900

Reference heating season			Colder	
Reference water temperature			High, 55°C	
Full load heating		Prated [kW]	9.31	
Seasonal efficiency		η _s [%]	107	
Annual electricity consumption	1	Q _{HE} [kWh]	7116	
Colder 55°C	Outdoor heat exchanger	Declared capacity	COP at part load	Degradation Coefficient
	Outdoor air			
	Tj [°C]	Pdh [kW]	COPd (-)	Cdh (-)
А	-7	5.63	2.17	0.900
В	2	3.69	3.58	0.900
С	7	2.86	5.58	0.966
D	12	3.33	6.22	0.965
TOL (E)	-22	3.53	1.42	0.900
Tbivalent (F)	-7	5.63	2.17	0.900
G	-15	4.34	1.71	0.900

Heat pump model	Master Therm	BA26I-1
Power consumption in modes other than "active m	node"	
Off mode	P _{OFF} [kW]	0.018
Thermostat off mode	P _{TO} [kW]	0.017
Standby mode	P _{SB} [kW]	0.018
Crankcaseheater mode	Р _{ск} [kW]	-
	5 /11/2	
Supplementary heater capacity	P _{sup} [kW]	4.5(+4.5)
Supplementary heater type	[-]	electricity
Capacity control		Variable
Sound power level Indoor	L _{WA} [dBA]	-
Sound power level Outdoor	L _{WA} [dBA]	58
Rated airflow	[m ³ /h]	max. 3500
Temperature controller		
Туре	Carel pCO5/pCO5+/uPC, Ma	aster Therm custom SW
Class		
Contribution	%	2.0
Temperature controller + Room Terminal		
Туре	Carel pCO5/pCO5+/uPC + pAD	, Master Therm custom SW
Class	VI	
Contribution	%	4.0

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Heat pump model	Master Therm	BA26I-1	
Information sheet			
Temperature application		Low, 35°C	High, 55°C
Space heating energy efficiency class, Average climate	-	A++	A++
Nominal heating capacity Pdesign, Average climate	kW	7	6
Space heating seasonal efficiency, Average climate	%	168	126
Space heating annual electricity consumption, Average cl.	kWh	3139	4039
Nominal heating capacity Pdesign, Colder climate	kW	10	9
Space heating seasonal efficiency, Colder climate	%	132	107
Space heating annual electricity consumption, Colder cl.	kWh	5987	7116
Nominal heating capacity Pdesign, Warmer climate	kW	8	7
Space heating seasonal efficiency, Warmer climate	%	259	177
Space heating annual electricity consumption, Warmer cl.	kWh	1567	2199
			1
Sound power level Lwa Outdoor	dBA	58]
Information sheet for energy efficiency Set with Temperature		58 Low, 35°C	High, 55°C
Information sheet for energy efficiency Set with Temperature Temperature application			High, 55°C II
Information sheet for energy efficiency Set with Temperature Temperature application Controller Carel pCO5/pCO5+/uPC, Class		Low, 35°C	
Sound power level Lwa Outdoor Information sheet for energy efficiency Set with Temperature Temperature application Controller Carel pC05/pC05+/uPC, Class Controller Carel pC05/pC05+/uPC, Contribution Set Space heating seasonal efficiency, Average climate	controller	Low, 35°C II	1
Information sheet for energy efficiency Set with Temperature Temperature application Controller Carel pCO5/pCO5+/uPC, Class Controller Carel pCO5/pCO5+/uPC, Contribution	controller	Low, 35°C II 2.0	II 2.0
Information sheet for energy efficiency Set with Temperature Temperature application Controller Carel pCO5/pCO5+/uPC, Class Controller Carel pCO5/pCO5+/uPC, Contribution Set Space heating seasonal efficiency, Average climate	controller	Low, 35°C II 2.0 170	II 2.0 128
Information sheet for energy efficiency Set with Temperature Temperature application Controller Carel pCO5/pCO5+/uPC, Class Controller Carel pCO5/pCO5+/uPC, Contribution Set Space heating seasonal efficiency, Average climate Set Space heating energy efficiency class, Average climate		Low, 35°C II 2.0 170 A++	II 2.0 128 A++
Information sheet for energy efficiency Set with Temperature Temperature application Controller Carel pCO5/pCO5+/uPC, Class Controller Carel pCO5/pCO5+/uPC, Contribution Set Space heating seasonal efficiency, Average climate Set Space heating energy efficiency class, Average climate Set Space heating seasonal efficiency, Colder climate Set Space heating seasonal efficiency, Warmer climate	- - % - % - % - % - % - % - % - % - % - % - % - % -	Low, 35°C II 2.0 170 A++ 134	II 2.0 128 A++ 109
Information sheet for energy efficiency Set with Temperature Temperature application Controller Carel pCO5/pCO5+/uPC, Class Controller Carel pCO5/pCO5+/uPC, Contribution Set Space heating seasonal efficiency, Average climate Set Space heating energy efficiency class, Average climate Set Space heating seasonal efficiency, Colder climate	- - % - % - % - % - % - % - % - % - % - % - % - % -	Low, 35°C II 2.0 170 A++ 134	II 2.0 128 A++ 109
Information sheet for energy efficiency Set with Temperature Temperature application Controller Carel pCO5/pCO5+/uPC, Class Controller Carel pCO5/pCO5+/uPC, Contribution Set Space heating seasonal efficiency, Average climate Set Space heating energy efficiency class, Average climate Set Space heating seasonal efficiency, Colder climate Set Space heating seasonal efficiency, Warmer climate Set Space heating seasonal efficiency, Warmer climate	- - % - % - % - % - % - % - % - % - % - % - % - % -	Low, 35°C II 2.0 170 A++ 134 261	II 2.0 128 A++ 109 179
Information sheet for energy efficiency Set with Temperature Temperature application Controller Carel pCO5/pCO5+/uPC, Class Controller Carel pCO5/pCO5+/uPC, Contribution Set Space heating seasonal efficiency, Average climate Set Space heating energy efficiency class, Average climate Set Space heating seasonal efficiency, Colder climate Set Space heating seasonal efficiency, Colder climate Set Space heating seasonal efficiency, Warmer climate Information sheet for energy efficiency Set with Temperature Temperature application Controller Carel pCO5/pCO5+/uPC + pAD, Class	e controller	Low, 35°C II 2.0 170 A++ 134 261 Low, 35°C	II 2.0 128 A++ 109 179 High, 55°C
Information sheet for energy efficiency Set with Temperature Temperature application Controller Carel pCO5/pCO5+/uPC, Class Controller Carel pCO5/pCO5+/uPC, Contribution Set Space heating seasonal efficiency, Average climate Set Space heating energy efficiency class, Average climate Set Space heating seasonal efficiency, Colder climate Set Space heating seasonal efficiency, Colder climate Set Space heating seasonal efficiency, Warmer climate Information sheet for energy efficiency Set with Temperature Temperature application Controller Carel pCO5/pCO5+/uPC + pAD, Class Controller Carel pCO5/pCO5+/uPC, +pAD, Contribution	e controller	Low, 35°C II 2.0 170 A++ 134 261 Low, 35°C VI	II 2.0 128 A++ 109 179 High, 55°C VI
Information sheet for energy efficiency Set with Temperature Temperature application Controller Carel pCO5/pCO5+/uPC, Class Controller Carel pCO5/pCO5+/uPC, Contribution Set Space heating seasonal efficiency, Average climate Set Space heating energy efficiency class, Average climate Set Space heating seasonal efficiency, Colder climate Set Space heating seasonal efficiency, Warmer climate Set Space heating seasonal efficiency, Warmer climate Information sheet for energy efficiency Set with Temperature Temperature application	e controller	Low, 35°C II 2.0 170 A++ 134 261 Low, 35°C VI 4.0	Ⅱ 2.0 128 A++ 109 179 High, 55°C VI 4.0
Information sheet for energy efficiency Set with Temperature Temperature application Controller Carel pCO5/pCO5+/uPC, Class Controller Carel pCO5/pCO5+/uPC, Contribution Set Space heating seasonal efficiency, Average climate Set Space heating seasonal efficiency class, Average climate Set Space heating seasonal efficiency, Colder climate Set Space heating seasonal efficiency, Colder climate Set Space heating seasonal efficiency, Warmer climate Set Space heating seasonal efficiency Set with Temperature Information sheet for energy efficiency Set with Temperature Temperature application Controller Carel pCO5/pCO5+/uPC + pAD, Class Controller Carel pCO5/pCO5+/uPC, +pAD, Contribution Set Space heating seasonal efficiency, Average climate	e controller	Low, 35°C II 2.0 170 A++ 134 261 Low, 35°C VI 4.0 172	II 2.0 128 A++ 109 179 High, 55°C VI 4.0 130