Heat pump model		Master Therm	BA26I-1, BA26I-0	
Lloot numen tuno			Air AM otor	
Heat pump type			Air/Water Yes	
Supplementary heater Heat pump combination heater			<u> </u>	
neat pump combination neater			No	
Reference heating season			Average	SCOP
Reference water temperature			LOW, 35°C	4.29
Full load heating		Prated [kW]	6.51	
Seasonal efficiency		η _s [%]	168	A++
Annual electricity consumption		Q _{HE} [kWh]	3139	
Average 35°C	Outdoor heat exchanger Outdoor air	Declared capacity	COP at part load	Degradation Coefficient
	Tj [°C]	Pdh [kW]	COPd (-)	Cdh (-)
A	-7	5.76	2.59	0.900
В	2	3.72	3.91	0.900
С	7	2.42	6.53	0.900
D	12	2.74	7.21	0.951
TOL (E)	-10	5.88	2.52	0.900
Tbivalent (F)	-7	5.76	2.59	0.900
Deference heating access			Augusta	SCOP
Reference heating season Reference water temperature			Average High, 55°C	3.24
Full load heating		Prated [kW]	6.33	J.27
Seasonal efficiency			126	A++
· · ·		η _s [%] Q _{нε} [kWh]	4039	A'''
Annual electricity consumption		Q _{HE} [KWII]	4039	
Average 55°C	Outdoor heat exchanger Outdoor air	Declared capacity	COP at part load	Degradation Coefficient
	Tj [°C]	Pdh [kW]	COPd (-)	Cdh (-)
A	-7	5.60	1.94	0.900
В	2	3.50	3.02	0.900
С	7	2.33	4.69	0.900
D	12	2.78	5.55	0.963
TOL (E)	-10	5.66	1.82	0.900
Tbivalent (F)	-7	5.60	1.94	0.900
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		Q _{HE} [kWh]	1567	
Warmer 35°C	Outdoor heat exchanger Outdoor air	Declared capacity	COP at part load	Degradation Coefficient
	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
	i		•	
TOL (E)	2	7.67	3.41	0.900

Heat pump model		Master Therm	BA26I-1, BA26I-0	
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		Q _{HE} [kWh]	2199	
Warmer 55°C	Outdoor heat exchanger Outdoor air	Declared capacity	COP at part load	Degradation Coefficient
	Tj [°C]	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
. ,				L
Reference heating season			Colder	
Reference water temperature			Low, 35°C	
Full load heating		Prated [kW]	9.65	
Seasonal efficiency		η _s [%]	132	
•			5987	
Annual electricity consumption	I	Q _{HE} [kWh]	5967	
Colder 35°C	Outdoor heat exchanger Outdoor air	Declared capacity	COP at part load	Degradation Coefficient
	Tj [°C]	Pdh [kW]	COPd (-)	Cdh (-)
A	-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	0.959
, ,	-72	5.84	2.70	0.900
Tbivalent (F)				
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		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 (-)
A	-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

4.34

1.71

G

-15

0.900

Heat pump model	Master Therm	BA26I-1, BA26I-0		
Power consumption in modes other than "active mode"				
Off mode	P _{OFF} [kW]	0.018		
Thermostat off mode	P _{TO} [kW]	0.017		
Standby mode	P _{SB} [kW]	0.018		
Crankcaseheater mode	P _{CK} [kW]	-		
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	[m³/h]	max. 3500		
Temperature controller				
Туре	Carel pCO5/pCO5+/uP	Carel pCO5/pCO5+/uPC, Master Therm custom SW		
Class		11		
Contribution	%	2.0		
Temperature controller + Room Terminal				
Туре	Carel pCO5/pCO5+/uPC +	Carel pCO5/pCO5+/uPC + pAD, Master Therm custom SW		
Class		VI		
Contribution	%	4.0		

Heat pump model	Master Therm	BA26I-1, BA26I-0	
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
Sound power level Lwa Outdoor	dBA	58	
Information sheet for energy efficiency Set with Temperature of	controller		
Temperature application	Low, 35°C	High, 55°C	
Controller Carel pCO5/pCO5+/uPC, Class	-	II	II
Controller Carel pCO5/pCO5+/uPC, Contribution	%	2.0	2.0
Set Space heating seasonal efficiency, Average climate	%	170	128
Set Space heating energy efficiency class, Average climate	-	A++	A++
Set Space heating seasonal efficiency, Colder climate	%	134	109
Set Space heating seasonal efficiency, Warmer climate	%	261	179
Information sheet for energy efficiency Set with Temperature of	controller + Room Terminal		
	Temperature application		

%

%

%

VI

4.0

172

A++

136

263

VI

4.0

130

A++

111

181

Controller Carel pCO5/pCO5+/uPC + pAD, Class

Controller Carel pCO5/pCO5+/uPC, +pAD, Contribution

Set Space heating seasonal efficiency, Average climate

Set Space heating seasonal efficiency, Colder climate

Set Space heating seasonal efficiency, Warmer climate

Set Space heating energy efficiency class, Average climate