en

Technical Data

Air to Water reversible inverter heat pump

AURIGA 5M
AURIGA 7M
AURIGA 9M
AURIGA 12M
AURIGA 16M
AURIGA 12T
AURIGA 16T

Product fiche 1

Heat pump space heater		unit	AURIGA 5M	AURIGA 7M	AURIGA 9M	AURIGA 12M	AURIGA 16M	AURIGA 12T	AURIGA 16T
Indoor unit sound power (*)		[dB(A)]	/	/	/	/	/	/	/
Outdoor unit sound power (*)		[dB(A)]	61	64	67	68	71	68	71
Capacity of the back-up heater integrated in the unit	Psup back-up heater	[kW]	0	0	0	0	0	0	0
off peak operation function integrated in Heat pump		Y/N	No	No	No	No	No	No	No
Space heating	Energy efficiency class 35°C (Low temp. app.)	-	A+++	A+++	A+++	A++	A++	A++	A++
Space heating	Energy efficiency class 55°C(Medium temp. app.)	-	A++	A++	A++	A++	A++	A++	A++
Average climate (Design temperature= –10°C)									
Space heating 35°C	Prated(declared heating capacity) @–10°C	[kW]	7	7	8	12	16	12	16
	Seasonal space heating efficiency(ηs)	[%]	176	176	177	169	169	169	169
	Annual energy consumption	[kWh]	3,071	3,071	3,844	5,726	7,687	5,726	7,687
Space heating 55°C	Prated(declared heating capacity) @–10°C	[kW]	7	7	7	13	15	13	15
	Seasonal space heating efficiency(ηs)	[%]	127	127	126	126	128	126	128
	Annual energy consumption	[kWh]	4,203	4,203	4,770	8,164	9,216	8,164	9,216
Part load conditions space heating average climate low temperature application									
(A) condition (-7°C)	Pdh(declared heating capacity)	[kW]	5.88	5.88	7.42	10.52	14.15	10.52	14.15
	COPd (declared COP)	-	2.91	2.91	2.80	2.88	2.72	2.88	2.72
	Cdh(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90	0.90	0.90
(B) condition (2°C)	Pdh(declared heating capacity)	[kW]	3.64	3.64	4.83	6.50	8.92	6.50	8.92
	COPd (declared COP)	-	4.38	4.38	4.33	4.15	4.17	4.15	4.17
	Cdh(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90	0.90	0.90
(C) condition (7°C)	Pdh(declared heating capacity)	[kW]	2.42	2.42	3.20	4.12	5.64	4.12	5.64
	COPd (declared COP)	-	5.89	5.89	6.20	5.74	5.86	5.74	5.86
	Cdh(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90	0.90	0.90
(D) condition (12°C)	Pdh(declared heating capacity)	[kW]	1.03	1.03	1.55	2.23	2.47	2.23	2.47
	COPd (declared COP)	-	5.89	5.89	7.61	5.40	6.28	5.40	6.28
	Cdh(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90	0.90	0.90

Product fiche 2

Heat pump space heater		unit	AURIGA 5M	AURIGA 7M	AURIGA 9M	AURIGA 12M	AURIGA 16M	AURIGA 12T	AURIGA 16T
(E) Tol(temperature operating limit)	Tol (temperature operating limit)	[°C]	-10	-10	-10	-10	-10	-10	-10
	Pdh (declared heating capacity)	[kW]	6.62	6.62	6.64	12.01	12.93	12.01	12.93
	COPd (declared COP)	-	2.63	2.63	2.54	2.60	2.41	2.60	2.41
	WTOL (Heating water Operation Limit)	[°C]	60	60	60	60	60	60	60
(F) Tbivalent temperature	Tbiv	[°C]	-7	-7	-7	-7	-7	-7	-7
	Pdh (declared heating capacity)	[kW]	5.88	5.88	7.42	10.52	14.15	10.52	14.15
	COPd (declared COP)	-	2.91	2.91	2.80	2.88	2.72	2.88	2.72
Supplementary capacity at P_design	Psup (@Tdesignh:-10°C)	[kW]	0.00	0.00	1.80	0.00	3.10	0.00	3.10
Part load conditions space heating average climate medium temperature application									
(A) condition (-7°C)	Pdh (declared heating capacity)	[kW]	5.83	5.83	6.58	11.29	12.90	11.29	12.90
	COPd (declared COP)	-	1.97	1.97	1.87	2.05	2.04	2.05	2.04
	Cdh(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90	0.90	0.90
(B) condition (2°C)	Pdh (declared heating capacity)	[kW]	3.68	3.68	4.25	7.31	8.25	7.31	8.25
	COPd (declared COP)	-	3.22	3.22	3.19	3.14	3.21	3.14	3.21
	Cdh(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90	0.90	0.90
(C) condition (7°C)	Pdh (declared heating capacity)	[kW]	2.47	2.47	2.80	4.96	5.45	4.96	5.45
	COPd (declared COP)	-	4.21	4.21	4.38	4.25	4.32	4.25	4.32
	Cdh(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90	0.90	0.90
(D) condition (12°C)	Pdh (declared heating capacity)	[kW]	1.26	1.26	1.27	2.37	2.57	2.37	2.57
	COPd (declared COP)	-	4.91	4.91	5.04	4.94	5.12	4.94	5.12
	Cdh(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90	0.90	0.90
(E) Tol(temperature operating limit)	Tol (temperature operating limit)	[°C]	-10	-10	-10	-10	-10	-10	-10
	Pdh (declared heating capacity)	[kW]	5.86	5.86	5.53	11.88	11.16	11.88	11.16
	COPd (declared COP)	-	1.62	1.62	1.51	1.79	1.65	1.79	1.65
	WTOL (Heating water Operation Limit)	[°C]	60	60	60	60	60	60	60
(F) Tbivalent temperature	Tbiv	[°C]	-7	-7	-7	-7	-7	-7	-7
	Pdh (declared heating capacity)	[kW]	5.83	5.83	6.58	11.29	12.90	11.29	12.90
	COPd (declared COP)	-	1.97	1.97	1.87	2.05	2.04	2.05	2.04
Supplementary capacity at P_design	Psup (@Tdesignh:-10°C)	[kW]	0.70	0.70	1.80	0.90	3.40	0.90	3.40

Product fiche 3

Heat pump space heater		unit	AURIGA 5M	AURIGA 7M	AURIGA 9M	AURIGA 12M	AURIGA 16M	AURIGA 12T	AURIGA 16T
Colder climate (Design temperature = –22°C)									
Space heating 35°C	Prated (declared heating capacity) @ –22°C	[kW]	5	7	8	13	16	13	16
	Seasonal space heating efficiency (ηs)	[%]	133	150	149	131	143	131	143
	Annual energy consumption	[kWh]	3,486	4,217	5,303	9,294	10,487	9,294	10,487
Space heating 55°C	Prated (declared heating capacity) @ –22°C	[kW]	5	7	8	12	15	12	15
	Seasonal space heating efficiency (ηs)	[%]	97	104	109	96	106	96	106
	Annual energy consumption	[kWh]	4,661	6,136	7,286	12,299	13,768	12,299	13,768
Part load conditions space heating colder climate low temperature application									
condition (-15°C)	Pdh (declared heating capacity)	[kW]	3.92	5.35	5.85	10.31	11.38	10.31	11.38
	COPd (declared COP)	-	2.43	2.48	2.42	2.38	2.33	2.38	2.33
	Cdh(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90	0.90	0.90
(A) condition (-7°C)	Pdh (declared heating capacity)	[kW]	2.86	4.19	5.31	7.74	9.98	7.74	9.98
	COPd (declared COP)	-	3.09	3.22	3.22	3.18	3.15	3.18	3.15
	Cdh(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90	0.90	0.90
(B) condition (2°C)	Pdh (declared heating capacity)	[kW]	1.74	2.59	3.35	4.32	5.83	4.32	5.83
	COPd (declared COP)	-	4.09	4.53	4.76	4.00	4.33	4.00	4.33
	Cdh(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90	0.90	0.90
(C) condition (7°C)	Pdh (declared heating capacity)	[kW]	1.12	1.79	2.09	3.00	4.13	3.00	4.13
	COPd (declared COP)	-	4.52	6.13	6.34	5.69	6.12	5.69	6.12
	Cdh(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90	0.90	0.90
(D) condition (12°C)	Pdh (declared heating capacity)	[kW]	0.69	1.03	1.03	1.81	2.57	1.81	2.57
	COPd (declared COP)	-	4.04	6.00	5.75	4.56	6.50	4.56	6.50
	Cdh(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90	0.90	0.90
(E) Tol(temperature operating limit)	Tol (temperature operating limit)	[°C]	-20	-20	-20	-22	-22	-22	-22
	Pdh (declared heating capacity)	[kW]	4.78	4.93	4.91	8.54	9.06	8.54	9.06
	COPd (declared COP)	-	2.10	2.10	2.08	1.80	1.88	1.80	1.88
	WTOL (Heating water Operation Limit)	[°C]	40	40	40	37	37	37	37
(F) Tbivalent temperature	Tbiv	[°C]	-15	-15	-13	-15	-13	-15	-13
	Pdh (declared heating capacity)	[kW]	3.92	5.35	6.26	10.30	11.85	10.30	11.85
	COPd (declared COP)	-	2.43	2.48	2.53	2.38	2.39	2.38	2.39
Supplementary capacity at P_design	Psup (@Tdesignh:–22°C)	[kW]	1.10	3.00	4.50	4.10	6.50	4.10	6.50

Product fiche 4

Heat pump space heater		unit	AURIGA 5M	AURIGA 7M	AURIGA 9M	AURIGA 12M	AURIGA 16M	AURIGA 12T	AURIGA 16T
Part load conditions space heating colder climate medium temperature application									
condition (-15°C)	Pdh (declared heating capacity)	[kW]	3.86	5.42	5.49	10.09	10.74	10.09	10.74
	COPd (declared COP)	-	1.73	1.80	1.76	1.78	1.76	1.78	1.76
	Cdh(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90	0.90	0.90
(A) condition (-7°C)	Pdh (declared heating capacity)	[kW]	2.97	4.15	5.41	7.34	9.64	7.34	9.64
	COPd (declared COP)	-	2.18	2.38	2.43	2.27	2.38	2.27	2.38
	Cdh(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90	0.90	0.90
(B) condition (2°C)	Pdh (declared heating capacity)	[kW]	1.75	2.67	3.30	4.47	5.59	4.47	5.59
	COPd (declared COP)	-	2.94	3.05	3.40	2.90	3.31	2.90	3.31
	Cdh(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90	0.90	0.90
(C) condition (7°C)	Pdh (declared heating capacity)	[kW]	1.16	1.71	2.17	2.88	3.95	2.88	3.95
	COPd (declared COP)	-	3.57	4.16	4.59	3.96	4.47	3.96	4.47
	Cdh(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90	0.90	0.90
(D) condition (12°C)	Pdh (declared heating capacity)	[kW]	0.61	0.91	0.90	1.44	1.90	1.44	1.90
	COPd (declared COP)	-	2.93	4.28	4.28	3.22	4.05	3.22	4.05
	Cdh(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90	0.90	0.90
(E) Tol(temperature operating limit)	Tol (temperature operating limit)	[°C]	-18	-18	-18	-18	-18	-18	-18
	Pdh (declared heating capacity)	[kW]	4.10	4.05	4.17	7.66	6.72	7.66	6.72
	COPd (declared COP)	-	1.28	1.25	1.29	1.27	1.10	1.27	1.10
	WTOL (Heating water Operation Limit)	[°C]	44	44	44	44	44	44	44
(F) Tbivalent temperature	Tbiv	[°C]	-15	-15	-12	-15	-13	-15	-13
	Pdh (declared heating capacity)	[kW]	3.86	5.42	6.08	10.09	11.64	10.09	11.64
	COPd (declared COP)	-	1.73	1.80	1.98	1.78	1.88	1.78	1.88
Supplementary capacity at P_design	Psup (@Tdesignh:–22°C)	[kW]	2.70	4.60	6.30	6.80	9.60	6.80	9.60
Warmer climate (Design temperature =2°C)									
Space heating 35°C	Prated (declared heating capacity) @ 2°C	[kW]	5	7	8	12	16	12	16
	Seasonal space heating efficiency (ηs)	[%]	224	218	248	236	233	236	233
	Annual energy consumption	[kWh]	1,109	1,660	1,597	2,724	3,574	2,724	3,574
Space heating 55°C	Prated (declared heating capacity) @ 2°C	[kW]	5	7	9	12	16	12	16
	Seasonal space heating efficiency (ηs)	[%]	142	154	164	148	154	148	154
	Annual energy consumption	[kWh]	1,683	2,255	2,774	4,207	5,367	4,207	5,367

Product fiche 5

Heat pump space heater		unit	AURIGA 5M	AURIGA 7M	AURIGA 9M	AURIGA 12M	AURIGA 16M	AURIGA 12T	AURIGA 16T
Part load conditions space heating warmer climate low temperature application									
(B) condition (2°C)	Pdh (declared heating capacity)	[kW]	4.80	6.76	7.58	12.03	15.25	12.03	15.25
	COPd (declared COP)	-	3.78	3.75	2.90	3.60	2.94	3.60	2.94
	Cdh(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90	0.90	0.90
(C) condition (7°C)	Pdh (declared heating capacity)	[kW]	3.03	4.42	4.82	7.84	10.13	7.84	10.13
	COPd (declared COP)	-	5.29	5.53	5.46	5.45	5.32	5.45	5.32
	Cdh(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90	0.90	0.90
(D) condition (12°C)	Pdh (declared heating capacity)	[kW]	1.45	1.89	2.44	3.49	4.91	3.49	4.91
	COPd (declared COP)	-	6.47	7.53	8.24	7.14	7.48	7.14	7.48
	Cdh(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90	0.90	0.90
(E) Tol(temperature operating limit)	Tol (temperature operating limit)	[°C]	2	2	2	2	2	2	2
	Pdh (declared heating capacity)	[kW]	4.80	6.76	7.58	12.03	15.25	12.03	15.25
	COPd (declared COP)	-	3.78	3.75	2.90	3.60	2.94	3.60	2.94
	WTOL (Heating water Operation Limit)	[°C]	60	60	60	60	60	60	60
(F) Tbivalent temperature	Tbiv	[°C]	7	7	7	7	7	7	7
	Pdh (declared heating capacity)	[kW]	3.03	4.42	4.82	7.84	10.13	7.84	10.13
	COPd (declared COP)	-	5.29	5.53	5.46	5.45	5.32	5.45	5.32
Supplementary capacity at P_design	Psup (@Tdesignh:2°C)	[kW]	0.00	0.10	0.00	0.20	0.50	0.20	0.50
Part load conditions space heating warmer climate medium temperature application									
(B) condition (2°C)	Pdh (declared heating capacity)	[kW]	4.70	6.63	8.57	11.88	14.12	11.88	14.12
	COPd (declared COP)	-	2.27	2.18	2.15	2.18	2.14	2.18	2.14
	Cdh(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90	0.90	0.90
(C) condition (7°C)	Pdh (declared heating capacity)	[kW]	2.94	4.26	5.55	7.61	10.10	7.61	10.10
	COPd (declared COP)	-	3.10	3.34	3.43	3.08	3.22	3.08	3.22
	Cdh(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90	0.90	0.90
(D) condition (12°C)	Pdh (declared heating capacity)	[kW]	1.48	1.94	2.59	3.52	4.77	3.52	4.77
	COPd (declared COP)	-	4.56	4.99	5.57	4.94	5.46	4.94	5.46
	Cdh(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90	0.90	0.90
(E) Tol(temperature operating limit)	Tol (temperature operating limit)	[°C]	2	2	2	2	2	2	2
	Pdh (declared heating capacity)	[kW]	4.70	6.63	8.57	11.88	14.12	11.88	14.12
	COPd (declared COP)	-	2.27	2.18	2.15	2.18	2.14	2.18	2.14
	WTOL (Heating water Operation Limit)	[°C]	60	60	60	60	60	60	60

Product fiche 6

Heat pump space heater		unit	AURIGA 5M	AURIGA 7M	AURIGA 9M	AURIGA 12M	AURIGA 16M	AURIGA 12T	AURIGA 16T
(F) Tbivalent temperature	Tbiv	[°C]	7	7	7	7	7	7	7
	Pdh (declared heating capacity)	[kW]	2.94	4.26	5.55	7.61	10.10	7.61	10.10
	COPd (declared COP)	-	3.10	3.34	3.43	3.08	3.22	3.08	3.22
Supplementary capacity at P_design	Psup (@Tdesignh:2°C)	[kW]	0.00	0.00	0.00	0.00	1.60	0.00	1.60
Ecodesign technical data									
Product description	Air-to-water heat pump	Y/N	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Water-to-water heat pump	Y/N	No	No	No	No	No	No	No
	Brine-to-water heat pump	Y/N	No	No	No	No	No	No	No
	Low-temperature heat pump	Y/N	No	No	No	No	No	No	No
	Equipped with a supplementary heater	Y/N	No	No	No	Yes	Yes	Yes	Yes
	Heat pump combination heater	Y/N	No	No	No	No	No	No	No
Air to water unit	Rated airflow (outdoor)	[m^3/h]	3050	3050	3050	6150	6150	6150	6150
Brine/water to water unit	Rated water/brine flow (outdoor H/E)	[m^3/h]	/	/	/	/	/	/	/
Other	Capacity control	-	Inverter	Inverter	Inverter	Inverter	Inverter	Inverter	Inverter
	Poff (Power consumption Off mode)	[kW]	0.009	0.009	0.009	0.009	0.009	0.009	0.009
	Pto (Power consumption Thermostat off mode)	[kW]	0.009	0.006	0.010	0.015	0.041	0.015	0.041
	Psb (Power consumption Standby mode)	[kW]	0.009	0.009	0.009	0.009	0.009	0.009	0.009
	PCK (Power crankcase heater model)	[kW]	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Qelec (Daily electricity consumption)	[kWh]	/	/	/	/	/	/	/
	Qfuel (Daily fuel consumption)	[kWh]	/	/	/	/	/	/	/

Details and precautions on installation, maintenance and assembly can be found in the installation and or operation manuals.

Product fiche data according to energy label directive 2010/30/EC regulation (EU) 811/2013.

Technical parameters

Model(s):	AURIGA 5M
Air-to-water heat pump:	YES
Water-to-water heat pump:	NO
Brine-to-water heat pump:	NO
Low-temperature heat pump:	NO
Equipped with a supplementary heater:	NO
Heat pump combination heater:	NO
Declared climate condition:	AVERAGE

Parameters are declared for medium-temperature application.

Item	Symbol	Value	Unit
Rated heat output (*)	Prated	6.6	kW
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7℃	Pdh	5.8	kW
Tj = 2℃	Pdh	3.7	kW
Tj = 7℃	Pdh	2.5	kW
Tj = 12℃	Pdh	1.3	kW
Tj = bivalent temperature	Pdh	5.8	kW
Tj = operating limit	Pdh	5.9	kW
For air-to-water heat pumps: Tj = -15℃	Pdh	-	kW
Bivalent temperature	T_{biv}	-7	°C
Cycling interval capacity for heating	P_{cych}	-	kW
Degradation co-efficient (**)	C_{dh}	0.9	--
Power consumption in modes other than active mode			
Off mode	P_{off}	0.009	kW
Standby mode	P_{sb}	0.009	kW
Thermostat-off mode	P_{to}	0.006	kW
Crankcase heater mode	P_{ck}	0.000	kW

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	ηs	127	%
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7℃	COPd	1.97	-
Tj = 2℃	COPd	3.22	-
Tj = 7℃	COPd	4.21	-
Tj = 12℃	COPd	4.91	-
Tj = bivalent temperature	COPd	1.97	-
Tj = operating limit	COPd	1.62	-
For air-to-water heat pumps: Tj = -15℃	COPd	-	-
For air-to-water heat pumps: Operation limit temperature	TOL	-10	°C
Cycling interval efficiency	COP_{cyc}	-	-
Heating water operating limit temperature	W_{TOL}	60	°C
Supplementary heater			
Rated heat output (**)	P_{sup}	0.7	kW
Type of energy input	Electrical		

Other items			
Capacity control	variable		
Sound power level, indoors/outdoors	L_{WA}	-/61	dB
Annual energy consumption	Q_{HE}	4203	kWh

For air-to-water heat pumps: Rated air flow rate, outdoors	-	3050	m^3/h
For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	-	m^3/h

For heat pump combination heater:			
Declared load profile	-		
Daily electricity consumption	Q_{clec}	-	kWh
Annual electricity consumption	AEC	-	kWh

Water heating energy efficiency	η_{wh}	-	%
Daily fuel consumption	Q_{fuel}	-	kWh
Annual fuel consumption	AFC	-	GJ

Contact details	BAXI S.p.A Via Trozzetti, 20 I- 36061 BASSANO DEL GRAPPA (VI)

(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).
(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.

Technical parameters

Model(s):	AURIGA 5M
Air-to-water heat pump:	YES
Water-to-water heat pump:	NO
Brine-to-water heat pump:	NO
Low-temperature heat pump:	NO
Equipped with a supplementary heater:	NO
Heat pump combination heater:	NO
Declared climate condition:	COLDER

Parameters are declared for medium-temperature application.

Item	Symbol	Value	Unit
Rated heat output (*)	Prated	4.7	kW
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7℃	Pdh	3.0	kW
Tj = 2℃	Pdh	1.8	kW
Tj = 7℃	Pdh	1.2	kW
Tj = 12℃	Pdh	0.6	kW
Tj = bivalent temperature	Pdh	3.9	kW
Tj = operating limit	Pdh	4.1	kW
For air-to-water heat pumps: Tj = -15℃	Pdh	3.9	kW
Bivalent temperature	T_{biv}	-15	°C
Cycling interval capacity for heating	P_{cych}	-	kW
Degradation co-efficient (**)	C_{dh}	0.9	--
Power consumption in modes other than active mode			
Off mode	P_{off}	0.009	kW
Standby mode	P_{sb}	0.009	kW
Thermostat-off mode	P_{to}	0.009	kW
Crankcase heater mode	P_{ck}	0.000	kW

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	ηs	97	%
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7℃	COPd	2.18	-
Tj = 2℃	COPd	2.94	-
Tj = 7℃	COPd	3.57	-
Tj = 12℃	COPd	2.93	-
Tj = bivalent temperature	COPd	1.73	-
Tj = operating limit	COPd	1.28	-
For air-to-water heat pumps: Tj = -15℃	COPd	1.73	-
For air-to-water heat pumps: Operation limit temperature	TOL	-18	°C
Cycling interval efficiency	COP_{cyc}	-	-
Heating water operating limit temperature	W_{TOL}	44	°C
Supplementary heater			
Rated heat output (**)	P_{sup}	2.7	kW
Type of energy input	-		

Other items			
Capacity control	variable		
Sound power level, indoors/outdoors	L_{WA}	-/61	dB
Annual energy consumption	Q_{HE}	4661	kWh

For air-to-water heat pumps: Rated air flow rate, outdoors	-	3050	m^3/h
For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	-	m^3/h

For heat pump combination heater:							
Declared load profile	-			Water heating energy efficiency	η_{wh}	-	%
Daily electricity consumption	Q_{clec}	-	kWh	Daily fuel consumption	Q_{fuel}	-	kWh
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	GJ

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(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).
(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.

Technical parameters

Model(s):	AURIGA 5M
Air-to-water heat pump:	YES
Water-to-water heat pump:	NO
Brine-to-water heat pump:	NO
Low-temperature heat pump:	NO
Equipped with a supplementary heater:	NO
Heat pump combination heater:	NO
Declared climate condition:	WARMER

Parameters are declared for medium-temperature application.

Item	Symbol	Value	Unit
Rated heat output (*)	Prated	4.6	kW
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7℃	Pdh	-	kW
Tj = 2℃	Pdh	4.7	kW
Tj = 7℃	Pdh	2.9	kW
Tj = 12℃	Pdh	1.5	kW
Tj = bivalent temperature	Pdh	2.9	kW
Tj = operating limit	Pdh	4.7	kW
For air-to-water heat pumps: Tj = -15℃	Pdh	-	kW
Bivalent temperature	T_{biv}	7	°C
Cycling interval capacity for heating	P_{cych}	-	kW
Degradation co-efficient (**)	C_{dh}	0.9	--
Power consumption in modes other than active mode			
Off mode	P_{off}	0.009	kW
Standby mode	P_{sb}	0.009	kW
Thermostat-off mode	P_{to}	0.009	kW
Crankcase heater mode	P_{ck}	0.000	kW

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	ηs	142	%
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7℃	COPd	-	-
Tj = 2℃	COPd	2.27	-
Tj = 7℃	COPd	3.10	-
Tj = 12℃	COPd	4.56	-
Tj = bivalent temperature	COPd	3.10	-
Tj = operating limit	COPd	2.27	-
For air-to-water heat pumps: Tj = -15℃	COPd	-	-
For air-to-water heat pumps: Operation limit temperature	TOL	2	°C
Cycling interval efficiency	COP_{cyc}	-	-
Heating water operating limit temperature	W_{TOL}	60	°C
Supplementary heater			
Rated heat output (**)	P_{sup}	0.0	kW
Type of energy input	-		

Other items			
Capacity control	variable		
Sound power level, indoors/outdoors	L_{WA}	-/61	dB
Annual energy consumption	Q_{HE}	1683	kWh

For air-to-water heat pumps: Rated air flow rate, outdoors	-	3050	m^3/h
For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	-	m^3/h

For heat pump combination heater:			
Declared load profile	-		
Daily electricity consumption	Q_{clec}	-	kWh
Annual electricity consumption	AEC	-	kWh

Water heating energy efficiency	η_{wh}	-	%
Daily fuel consumption	Q_{fuel}	-	kWh
Annual fuel consumption	AFC	-	GJ

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(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).
(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.

Technical parameters

Model(s):	AURIGA 7M
Air-to-water heat pump:	YES
Water-to-water heat pump:	NO
Brine-to-water heat pump:	NO
Low-temperature heat pump:	NO
Equipped with a supplementary heater:	NO
Heat pump combination heater:	NO
Declared climate condition:	AVERAGE

Parameters are declared for medium-temperature application.

Item	Symbol	Value	Unit
Rated heat output (*)	Prated	6.6	kW
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7℃	Pdh	5.8	kW
Tj = 2℃	Pdh	3.7	kW
Tj = 7℃	Pdh	2.5	kW
Tj = 12℃	Pdh	1.3	kW
Tj = bivalent temperature	Pdh	5.8	kW
Tj = operating limit	Pdh	5.9	kW
For air-to-water heat pumps: Tj = -15℃	Pdh	-	kW
Bivalent temperature	T_{biv}	-7	°C
Cycling interval capacity for heating	P_{cych}	-	kW
Degradation co-efficient (**)	C_{dh}	0.9	--
Power consumption in modes other than active mode			
Off mode	P_{off}	0.009	kW
Standby mode	P_{sb}	0.009	kW
Thermostat-off mode	P_{to}	0.006	kW
Crankcase heater mode	P_{ck}	0.000	kW

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	ηs	127	%
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7℃	COPd	1.97	-
Tj = 2℃	COPd	3.22	-
Tj = 7℃	COPd	4.21	-
Tj = 12℃	COPd	4.91	-
Tj = bivalent temperature	COPd	1.97	-
Tj = operating limit	COPd	1.62	-
For air-to-water heat pumps: Tj = -15℃	COPd	-	-
For air-to-water heat pumps: Operation limit temperature	TOL	-10	°C
Cycling interval efficiency	COP_{cyc}	-	-
Heating water operating limit temperature	W_{TOL}	60	°C
Supplementary heater			
Rated heat output (**)	P_{sup}	0.7	kW
Type of energy input	Electrical		

Other items			
Capacity control	variable		
Sound power level, indoors/outdoors	L_{WA}	-/64	dB
Annual energy consumption	Q_{HE}	4203	kWh

For air-to-water heat pumps: Rated air flow rate, outdoors	-	3050	m^3/h
For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	-	m^3/h

For heat pump combination heater:							
Declared load profile	-			Water heating energy efficiency	η_{wh}	-	%
Daily electricity consumption	Q_{clec}	-	kWh	Daily fuel consumption	Q_{fuel}	-	kWh
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	GJ

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(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).
(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.

Technical parameters

Model(s):	AURIGA 7M
Air-to-water heat pump:	YES
Water-to-water heat pump:	NO
Brine-to-water heat pump:	NO
Low-temperature heat pump:	NO
Equipped with a supplementary heater:	NO
Heat pump combination heater:	NO
Declared climate condition:	COLDER
Parameters are declared for medium-temperature application.	

Item	Symbol	Value	Unit
Rated heat output (*)	Prated	6.6	kW
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7℃	Pdh	4.2	kW
Tj = 2℃	Pdh	2.7	kW
Tj = 7℃	Pdh	1.7	kW
Tj = 12℃	Pdh	0.9	kW
Tj = bivalent temperature	Pdh	5.4	kW
Tj = operating limit	Pdh	4.1	kW
For air-to-water heat pumps: Tj = -15℃	Pdh	5.4	kW
Bivalent temperature	T_{biv}	-15	°C
Cycling interval capacity for heating	P_{cych}	-	kW
Degradation co-efficient (**)	C_{dh}	0.9	--
Power consumption in modes other than active mode			
Off mode	P_{off}	0.009	kW
Standby mode	P_{sb}	0.009	kW
Thermostat-off mode	P_{to}	0.006	kW
Crankcase heater mode	P_{ck}	0.000	kW

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	ηs	104	%
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7℃	COPd	2.38	-
Tj = 2℃	COPd	3.05	-
Tj = 7℃	COPd	4.16	-
Tj = 12℃	COPd	4.28	-
Tj = bivalent temperature	COPd	1.80	-
Tj = operating limit	COPd	1.25	-
For air-to-water heat pumps: Tj = -15℃	COPd	1.80	-
For air-to-water heat pumps: Operation limit temperature	TOL	-18	°C
Cycling interval efficiency	COP_{cyc}	-	-
Heating water operating limit temperature	W_{TOL}	44	°C
Supplementary heater			
Rated heat output (**)	P_{sup}	4.6	kW
Type of energy input		-	

Other items			
Capacity control		variable	
Sound power level, indoors/outdoors	L_{WA}	-/64	dB
Annual energy consumption	Q_{HE}	6136	kWh

For air-to-water heat pumps: Rated air flow rate, outdoors	-	3050	m^3/h
For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	-	m^3/h

For heat pump combination heater:			
Declared load profile		-	
Daily electricity consumption	Q_{clec}	-	kWh
Annual electricity consumption	AEC	-	kWh

Water heating energy efficiency	η_{wh}	-	%
Daily fuel consumption	Q_{fuel}	-	kWh
Annual fuel consumption	AFC	-	GJ

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(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).
(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.

Technical parameters

Model(s):	AURIGA 7M
Air-to-water heat pump:	YES
Water-to-water heat pump:	NO
Brine-to-water heat pump:	NO
Low-temperature heat pump:	NO
Equipped with a supplementary heater:	NO
Heat pump combination heater:	NO
Declared climate condition:	WARMER

Parameters are declared for medium-temperature application.

Item	Symbol	Value	Unit
Rated heat output (*)	Prated	6.6	kW
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7℃	Pdh	-	kW
Tj = 2℃	Pdh	6.6	kW
Tj = 7℃	Pdh	4.3	kW
Tj = 12℃	Pdh	1.9	kW
Tj = bivalent temperature	Pdh	4.3	kW
Tj = operating limit	Pdh	6.6	kW
For air-to-water heat pumps: Tj = -15℃	Pdh	-	kW
Bivalent temperature	T_{biv}	7	°C
Cycling interval capacity for heating	P_{cych}	-	kW
Degradation co-efficient (**)	C_{dh}	0.9	--
Power consumption in modes other than active mode			
Off mode	P_{off}	0.009	kW
Standby mode	P_{sb}	0.009	kW
Thermostat-off mode	P_{to}	0.006	kW
Crankcase heater mode	P_{ck}	0.000	kW

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	ηs	154	%
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7℃	COPd	-	-
Tj = 2℃	COPd	2.18	-
Tj = 7℃	COPd	3.34	-
Tj = 12℃	COPd	4.99	-
Tj = bivalent temperature	COPd	3.34	-
Tj = operating limit	COPd	2.18	-
For air-to-water heat pumps: Tj = -15℃	COPd	-	-
For air-to-water heat pumps: Operation limit temperature	TOL	2	°C
Cycling interval efficiency	COP_{cyc}	-	-
Heating water operating limit temperature	W_{TOL}	60	°C
Supplementary heater			
Rated heat output (**)	P_{sup}	0.0	kW
Type of energy input	-		

Other items			
Capacity control	variable		
Sound power level, indoors/outdoors	L_{WA}	-/64	dB
Annual energy consumption	Q_{HE}	2255	kWh

For air-to-water heat pumps: Rated air flow rate, outdoors	-	3050	m^3/h
For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	-	m^3/h

For heat pump combination heater:							
Declared load profile	-			Water heating energy efficiency	η_{wh}	-	%
Daily electricity consumption	Q_{clec}	-	kWh	Daily fuel consumption	Q_{fuel}	-	kWh
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	GJ

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(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).
(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.

Technical parameters

Model(s):	AURIGA 9M
Air-to-water heat pump:	YES
Water-to-water heat pump:	NO
Brine-to-water heat pump:	NO
Low-temperature heat pump:	NO
Equipped with a supplementary heater:	NO
Heat pump combination heater:	NO
Declared climate condition:	AVERAGE

Parameters are declared for medium-temperature application.

Item	Symbol	Value	Unit
Rated heat output (*)	Prated	7.4	kW
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7℃	Pdh	6.6	kW
Tj = 2℃	Pdh	4.3	kW
Tj = 7℃	Pdh	2.8	kW
Tj = 12℃	Pdh	1.3	kW
Tj = bivalent temperature	Pdh	6.6	kW
Tj = operating limit	Pdh	5.5	kW
For air-to-water heat pumps: Tj = -15℃	Pdh	-	kW
Bivalent temperature	T_{biv}	-7	°C
Cycling interval capacity for heating	P_{cych}	-	kW
Degradation co-efficient (**)	C_{dh}	0.9	--
Power consumption in modes other than active mode			
Off mode	P_{off}	0.009	kW
Standby mode	P_{sb}	0.009	kW
Thermostat-off mode	P_{to}	0.010	kW
Crankcase heater mode	P_{ck}	0.000	kW

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	ηs	126	%
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7℃	COPd	1.87	-
Tj = 2℃	COPd	3.19	-
Tj = 7℃	COPd	4.38	-
Tj = 12℃	COPd	5.04	-
Tj = bivalent temperature	COPd	1.87	-
Tj = operating limit	COPd	1.51	-
For air-to-water heat pumps: Tj = -15℃	COPd	-	-
For air-to-water heat pumps: Operation limit temperature	TOL	-10	°C
Cycling interval efficiency	COP_{cyc}	-	-
Heating water operating limit temperature	W_{TOL}	60	°C
Supplementary heater			
Rated heat output (**)	P_{sup}	1.8	kW
Type of energy input	Electrical		

Other items			
Capacity control	variable		
Sound power level, indoors/outdoors	L_{WA}	-/67	dB
Annual energy consumption	Q_{HE}	4770	kWh

For air-to-water heat pumps: Rated air flow rate, outdoors	-	3050	m^3/h
For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	-	m^3/h

For heat pump combination heater:							
Declared load profile	-			Water heating energy efficiency	η_{wh}	-	%
Daily electricity consumption	Q_{clec}	-	kWh	Daily fuel consumption	Q_{fuel}	-	kWh
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	GJ

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(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).
(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.

Technical parameters

Model(s):	AURIGA 9M
Air-to-water heat pump:	YES
Water-to-water heat pump:	NO
Brine-to-water heat pump:	NO
Low-temperature heat pump:	NO
Equipped with a supplementary heater:	NO
Heat pump combination heater:	NO
Declared climate condition:	COLDER

Parameters are declared for medium-temperature application.

Item	Symbol	Value	Unit
Rated heat output (*)	Prated	8.2	kW
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7℃	Pdh	5.4	kW
Tj = 2℃	Pdh	3.3	kW
Tj = 7℃	Pdh	2.2	kW
Tj = 12℃	Pdh	0.9	kW
Tj = bivalent temperature	Pdh	6.1	kW
Tj = operating limit	Pdh	4.2	kW
For air-to-water heat pumps: Tj = -15℃	Pdh	5.5	kW
Bivalent temperature	T_{biv}	-12	°C
Cycling interval capacity for heating	P_{cych}	-	kW
Degradation co-efficient (**)	C_{dh}	0.9	--
Power consumption in modes other than active mode			
Off mode	P_{off}	0.009	kW
Standby mode	P_{sb}	0.009	kW
Thermostat-off mode	P_{to}	0.010	kW
Crankcase heater mode	P_{ck}	0.000	kW

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	ηs	109	%
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7℃	COPd	2.43	-
Tj = 2℃	COPd	3.40	-
Tj = 7℃	COPd	4.59	-
Tj = 12℃	COPd	4.28	-
Tj = bivalent temperature	COPd	1.98	-
Tj = operating limit	COPd	1.29	-
For air-to-water heat pumps: Tj = -15℃	COPd	1.76	-
For air-to-water heat pumps: Operation limit temperature	TOL	-18	°C
Cycling interval efficiency	COP_{cyc}	-	-
Heating water operating limit temperature	W_{TOL}	44	°C
Supplementary heater			
Rated heat output (**)	P_{sup}	6.3	kW
Type of energy input	-		

Other items			
Capacity control	variable		
Sound power level, indoors/outdoors	L_{WA}	-/67	dB
Annual energy consumption	Q_{HE}	7286	kWh

For air-to-water heat pumps: Rated air flow rate, outdoors	-	3050	m^3/h
For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	-	m^3/h

For heat pump combination heater:							
Declared load profile	-			Water heating energy efficiency	η_{wh}	-	%
Daily electricity consumption	Q_{clec}	-	kWh	Daily fuel consumption	Q_{fuel}	-	kWh
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	GJ

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(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).
(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.

Technical parameters

Model(s):	AURIGA 9M
Air-to-water heat pump:	YES
Water-to-water heat pump:	NO
Brine-to-water heat pump:	NO
Low-temperature heat pump:	NO
Equipped with a supplementary heater:	NO
Heat pump combination heater:	NO
Declared climate condition:	WARMER

Parameters are declared for medium-temperature application.

Item	Symbol	Value	Unit
Rated heat output (*)	Prated	8.6	kW
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7℃	Pdh	-	kW
Tj = 2℃	Pdh	8.6	kW
Tj = 7℃	Pdh	5.6	kW
Tj = 12℃	Pdh	2.6	kW
Tj = bivalent temperature	Pdh	5.6	kW
Tj = operating limit	Pdh	8.6	kW
For air-to-water heat pumps: Tj = -15℃	Pdh	-	kW
Bivalent temperature	T_{biv}	7	°C
Cycling interval capacity for heating	P_{cych}	-	kW
Degradation co-efficient (**)	C_{dh}	0.9	--
Power consumption in modes other than active mode			
Off mode	P_{off}	0.009	kW
Standby mode	P_{sb}	0.009	kW
Thermostat-off mode	P_{to}	0.010	kW
Crankcase heater mode	P_{ck}	0.000	kW

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	ηs	164	%
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7℃	COPd	-	-
Tj = 2℃	COPd	2.15	-
Tj = 7℃	COPd	3.43	-
Tj = 12℃	COPd	5.57	-
Tj = bivalent temperature	COPd	3.43	-
Tj = operating limit	COPd	2.14	-
For air-to-water heat pumps: Tj = -15℃	COPd	-	-
For air-to-water heat pumps: Operation limit temperature	TOL	2	°C
Cycling interval efficiency	COP_{cyc}	-	-
Heating water operating limit temperature	W_{TOL}	60	°C
Supplementary heater			
Rated heat output (**)	P_{sup}	0.0	kW
Type of energy input	-		

Other items			
Capacity control	variable		
Sound power level, indoors/outdoors	L_{WA}	-/67	dB
Annual energy consumption	Q_{HE}	2774	kWh

For air-to-water heat pumps: Rated air flow rate, outdoors	-	3050	m^3/h
For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	-	m^3/h

For heat pump combination heater:			
Declared load profile	-		
Daily electricity consumption	Q_{clec}	-	kWh
Annual electricity consumption	AEC	-	kWh

Water heating energy efficiency	η_{wh}	-	%
Daily fuel consumption	Q_{fuel}	-	kWh
Annual fuel consumption	AFC	-	GJ

Contact details	BAXI S.p.A Via Trozzetti, 20 I- 36061 BASSANO DEL GRAPPA (VI)

(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).
(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.

Technical parameters

Model(s):	AURIGA 12M
Air-to-water heat pump:	YES
Water-to-water heat pump:	NO
Brine-to-water heat pump:	NO
Low-temperature heat pump:	NO
Equipped with a supplementary heater:	NO
Heat pump combination heater:	NO
Declared climate condition:	AVERAGE

Parameters are declared for medium-temperature application.

Item	Symbol	Value	Unit
Rated heat output (*)	Prated	12.8	kW
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7℃	Pdh	11.3	kW
Tj = 2℃	Pdh	7.3	kW
Tj = 7℃	Pdh	5.0	kW
Tj = 12℃	Pdh	2.4	kW
Tj = bivalent temperature	Pdh	11.3	kW
Tj = operating limit	Pdh	11.9	kW
For air-to-water heat pumps: Tj = -15℃	Pdh	-	kW
Bivalent temperature	T_{biv}	-7	°C
Cycling interval capacity for heating	P_{cych}	-	kW
Degradation co-efficient (**)	C_{dh}	0.9	--
Power consumption in modes other than active mode			
Off mode	P_{off}	0.009	kW
Standby mode	P_{sb}	0.009	kW
Thermostat-off mode	P_{to}	0.015	kW
Crankcase heater mode	P_{ck}	0.000	kW

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	ηs	126	%
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7℃	COPd	2.05	-
Tj = 2℃	COPd	3.14	-
Tj = 7℃	COPd	4.25	-
Tj = 12℃	COPd	4.94	-
Tj = bivalent temperature	COPd	2.05	-
Tj = operating limit	COPd	1.79	-
For air-to-water heat pumps: Tj = -15℃	COPd	-	-
For air-to-water heat pumps: Operation limit temperature	TOL	-10	°C
Cycling interval efficiency	COP_{cyc}	-	-
Heating water operating limit temperature	W_{TOL}	60	°C
Supplementary heater			
Rated heat output (**)	P_{sup}	0.9	kW
Type of energy input	Electrical Heating		

Other items			
Capacity control	variable		
Sound power level, indoors/outdoors	L_{WA}	-/68	dB
Annual energy consumption	Q_{HE}	8164	kWh

For air-to-water heat pumps: Rated air flow rate, outdoors	-	6150	m^3/h
For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	-	m^3/h

For heat pump combination heater:							
Declared load profile	-			Water heating energy efficiency	η_{wh}	-	%
Daily electricity consumption	Q_{clec}	-	kWh	Daily fuel consumption	Q_{fuel}	-	kWh
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	GJ

Contact details	BAXI S.p.A Via Trozzetti, 20 I- 36061 BASSANO DEL GRAPPA (VI)

(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).
(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.

Technical parameters

Model(s):	AURIGA 12M
Air-to-water heat pump:	YES
Water-to-water heat pump:	NO
Brine-to-water heat pump:	NO
Low-temperature heat pump:	NO
Equipped with a supplementary heater:	NO
Heat pump combination heater:	NO
Declared climate condition:	COLDER

Parameters are declared for medium-temperature application.

Item	Symbol	Value	Unit
Rated heat output (*)	Prated	12.4	kW
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7℃	Pdh	7.3	kW
Tj = 2℃	Pdh	4.5	kW
Tj = 7℃	Pdh	2.9	kW
Tj = 12℃	Pdh	1.4	kW
Tj = bivalent temperature	Pdh	10.1	kW
Tj = operating limit	Pdh	7.7	kW
For air-to-water heat pumps: Tj = -15℃	Pdh	10.1	kW
Bivalent temperature	T_{biv}	-15	°C
Cycling interval capacity for heating	P_{cych}	-	kW
Degradation co-efficient (**)	C_{dh}	0.9	--
Power consumption in modes other than active mode			
Off mode	P_{off}	0.009	kW
Standby mode	P_{sb}	0.009	kW
Thermostat-off mode	P_{to}	0.015	kW
Crankcase heater mode	P_{ck}	0.000	kW

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	ηs	96	%
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7℃	COPd	2.27	-
Tj = 2℃	COPd	2.90	-
Tj = 7℃	COPd	3.96	-
Tj = 12℃	COPd	3.22	-
Tj = bivalent temperature	COPd	1.78	-
Tj = operating limit	COPd	1.27	-
For air-to-water heat pumps: Tj = -15℃	COPd	1.78	-
For air-to-water heat pumps: Operation limit temperature	TOL	-18	°C
Cycling interval efficiency	COP_{cyc}	-	-
Heating water operating limit temperature	W_{TOL}	44	°C
Supplementary heater			
Rated heat output (**)	P_{sup}	6.8	kW
Type of energy input	Electrical Heating		

Other items			
Capacity control	variable		
Sound power level, indoors/outdoors	L_{WA}	-/68	dB
Annual energy consumption	Q_{HE}	12299	kWh

For air-to-water heat pumps: Rated air flow rate, outdoors	-	6150	m^3/h
For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	-	m^3/h

For heat pump combination heater:							
Declared load profile	-			Water heating energy efficiency	η_{wh}	-	%
Daily electricity consumption	Q_{clec}	-	kWh	Daily fuel consumption	Q_{fuel}	-	kWh
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	GJ

Contact details	BAXI S.p.A Via Trozzetti, 20 I- 36061 BASSANO DEL GRAPPA (VI)

(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).
(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.

Technical parameters

Model(s):	AURIGA 12M
Air-to-water heat pump:	YES
Water-to-water heat pump:	NO
Brine-to-water heat pump:	NO
Low-temperature heat pump:	NO
Equipped with a supplementary heater:	NO
Heat pump combination heater:	NO
Declared climate condition:	WARMER

Parameters are declared for medium-temperature application.

Item	Symbol	Value	Unit
Rated heat output (*)	Prated	11.8	kW
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7℃	Pdh	-	kW
Tj = 2℃	Pdh	11.9	kW
Tj = 7℃	Pdh	7.6	kW
Tj = 12℃	Pdh	3.5	kW
Tj = bivalent temperature	Pdh	7.6	kW
Tj = operating limit	Pdh	11.9	kW
For air-to-water heat pumps: Tj = -15℃	Pdh	-	kW
Bivalent temperature	T_{biv}	7	°C
Cycling interval capacity for heating	P_{cych}	-	kW
Degradation co-efficient (**)	C_{dh}	0.9	--
Power consumption in modes other than active mode			
Off mode	P_{off}	0.009	kW
Standby mode	P_{sb}	0.009	kW
Thermostat-off mode	P_{to}	0.015	kW
Crankcase heater mode	P_{ck}	0.000	kW

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	ηs	148	%
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7℃	COPd	-	-
Tj = 2℃	COPd	2.18	-
Tj = 7℃	COPd	3.08	-
Tj = 12℃	COPd	4.94	-
Tj = bivalent temperature	COPd	3.08	-
Tj = operating limit	COPd	2.18	-
For air-to-water heat pumps: Tj = -15℃	COPd	-	-
For air-to-water heat pumps: Operation limit temperature	TOL	2	°C
Cycling interval efficiency	COP_{cyc}	-	-
Heating water operating limit temperature	W_{TOL}	60	°C
Supplementary heater			
Rated heat output (**)	P_{sup}	0.0	kW
Type of energy input	Electrical Heating		

Other items			
Capacity control	variable		
Sound power level, indoors/outdoors	L_{WA}	-/68	dB
Annual energy consumption	Q_{HE}	4207	kWh

For air-to-water heat pumps: Rated air flow rate, outdoors	-	6150	m^3/h
For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	-	m^3/h

For heat pump combination heater:			
Declared load profile	-		
Daily electricity consumption	Q_{clec}	-	kWh
Annual electricity consumption	AEC	-	kWh

Water heating energy efficiency	η_{wh}	-	%
Daily fuel consumption	Q_{fuel}	-	kWh
Annual fuel consumption	AFC	-	GJ

Contact details	BAXI S.p.A Via Trozzetti, 20 I- 36061 BASSANO DEL GRAPPA (VI)

(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).
(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.

Technical parameters

Model(s):	AURIGA 16M
Air-to-water heat pump:	YES
Water-to-water heat pump:	NO
Brine-to-water heat pump:	NO
Low-temperature heat pump:	NO
Equipped with a supplementary heater:	NO
Heat pump combination heater:	NO
Declared climate condition:	AVERAGE

Parameters are declared for medium-temperature application.

Item	Symbol	Value	Unit
Rated heat output (*)	Prated	14.6	kW
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7℃	Pdh	12.9	kW
Tj = 2℃	Pdh	8.3	kW
Tj = 7℃	Pdh	5.5	kW
Tj = 12℃	Pdh	2.6	kW
Tj = bivalent temperature	Pdh	12.9	kW
Tj = operating limit	Pdh	11.2	kW
For air-to-water heat pumps: Tj = -15℃	Pdh	-	kW
Bivalent temperature	T_{biv}	-7	°C
Cycling interval capacity for heating	P_{cych}	-	kW
Degradation co-efficient (**)	C_{dh}	0.9	--
Power consumption in modes other than active mode			
Off mode	P_{off}	0.009	kW
Standby mode	P_{sb}	0.009	kW
Thermostat-off mode	P_{to}	0.041	kW
Crankcase heater mode	P_{ck}	0.000	kW

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	ηs	128	%
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7℃	COPd	2.04	-
Tj = 2℃	COPd	3.21	-
Tj = 7℃	COPd	4.32	-
Tj = 12℃	COPd	5.12	-
Tj = bivalent temperature	COPd	2.04	-
Tj = operating limit	COPd	1.65	-
For air-to-water heat pumps: Tj = -15℃	COPd	-	-
For air-to-water heat pumps: Operation limit temperature	TOL	-10	°C
Cycling interval efficiency	COP_{cyc}	-	-
Heating water operating limit temperature	W_{TOL}	60	°C
Supplementary heater			
Rated heat output (**)	P_{sup}	3.4	kW
Type of energy input	Electrical Heating		

Other items			
Capacity control	variable		
Sound power level, indoors/outdoors	L_{WA}	-/71	dB
Annual energy consumption	Q_{HE}	9216	kWh

For air-to-water heat pumps: Rated air flow rate, outdoors	-	6150	m^3/h
For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	-	m^3/h

For heat pump combination heater:							
Declared load profile	-			Water heating energy efficiency	η_{wh}	-	%
Daily electricity consumption	Q_{clec}	-	kWh	Daily fuel consumption	Q_{fuel}	-	kWh
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	GJ

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(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).
(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.

Technical parameters

Model(s):	AURIGA 16M
Air-to-water heat pump:	YES
Water-to-water heat pump:	NO
Brine-to-water heat pump:	NO
Low-temperature heat pump:	NO
Equipped with a supplementary heater:	NO
Heat pump combination heater:	NO
Declared climate condition:	COLDER
Parameters are declared for medium-temperature application.	

Item	Symbol	Value	Unit
Rated heat output (*)	Prated	15.2	kW
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7℃	Pdh	9.6	kW
Tj = 2℃	Pdh	5.6	kW
Tj = 7℃	Pdh	4.0	kW
Tj = 12℃	Pdh	1.9	kW
Tj = bivalent temperature	Pdh	11.6	kW
Tj = operating limit	Pdh	6.7	kW
For air-to-water heat pumps: Tj = -15℃	Pdh	10.7	kW
Bivalent temperature	T_{biv}	-13	°C
Cycling interval capacity for heating	P_{cych}	-	kW
Degradation co-efficient (**)	C_{dh}	0.9	--
Power consumption in modes other than active mode			
Off mode	P_{off}	0.009	kW
Standby mode	P_{sb}	0.009	kW
Thermostat-off mode	P_{to}	0.041	kW
Crankcase heater mode	P_{ck}	0.000	kW

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	ηs	106	%
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7℃	COPd	2.38	-
Tj = 2℃	COPd	3.31	-
Tj = 7℃	COPd	4.47	-
Tj = 12℃	COPd	4.05	-
Tj = bivalent temperature	COPd	1.88	-
Tj = operating limit	COPd	1.10	-
For air-to-water heat pumps: Tj = -15℃	COPd	1.76	-
For air-to-water heat pumps: Operation limit temperature	TOL	-18	°C
Cycling interval efficiency	COP_{cyc}	-	-
Heating water operating limit temperature	W_{TOL}	44	°C
Supplementary heater			
Rated heat output (**)	P_{sup}	9.6	kW
Type of energy input	Electrical Heating		

Other items			
Capacity control	variable		
Sound power level, indoors/outdoors	L_{WA}	-/71	dB
Annual energy consumption	Q_{HE}	13768	kWh

For air-to-water heat pumps: Rated air flow rate, outdoors	-	6150	m^3/h
For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	-	m^3/h

For heat pump combination heater:							
Declared load profile	-			Water heating energy efficiency	η_{wh}	-	%
Daily electricity consumption	Q_{clec}	-	kWh	Daily fuel consumption	Q_{fuel}	-	kWh
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	GJ

Contact details	BAXI S.p.A Via Trozzetti, 20 I- 36061 BASSANO DEL GRAPPA (VI)

(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).
(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.

Technical parameters

Model(s):	AURIGA 16M
Air-to-water heat pump:	YES
Water-to-water heat pump:	NO
Brine-to-water heat pump:	NO
Low-temperature heat pump:	NO
Equipped with a supplementary heater:	NO
Heat pump combination heater:	NO
Declared climate condition:	WARMER

Parameters are declared for medium-temperature application.

Item	Symbol	Value	Unit
Rated heat output (*)	Prated	15.7	kW
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7℃	Pdh	-	kW
Tj = 2℃	Pdh	14.1	kW
Tj = 7℃	Pdh	10.1	kW
Tj = 12℃	Pdh	4.8	kW
Tj = bivalent temperature	Pdh	10.1	kW
Tj = operating limit	Pdh	14.1	kW
For air-to-water heat pumps: Tj = -15℃	Pdh	-	kW
Bivalent temperature	T_{biv}	7	°C
Cycling interval capacity for heating	P_{cych}	-	kW
Degradation co-efficient (**)	C_{dh}	0.9	--
Power consumption in modes other than active mode			
Off mode	P_{off}	0.009	kW
Standby mode	P_{sb}	0.009	kW
Thermostat-off mode	P_{to}	0.041	kW
Crankcase heater mode	P_{ck}	0.000	kW

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	ηs	154	%
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7℃	COPd	-	-
Tj = 2℃	COPd	2.14	-
Tj = 7℃	COPd	3.22	-
Tj = 12℃	COPd	5.46	-
Tj = bivalent temperature	COPd	3.22	-
Tj = operating limit	COPd	2.14	-
For air-to-water heat pumps: Tj = -15℃	COPd	-	-
For air-to-water heat pumps: Operation limit temperature	TOL	2	°C
Cycling interval efficiency	COP_{cyc}	-	-
Heating water operating limit temperature	W_{TOL}	60	°C
Supplementary heater			
Rated heat output (**)	P_{sup}	1.6	kW
Type of energy input	Electrical Heating		

Other items			
Capacity control	variable		
Sound power level, indoors/outdoors	L_{WA}	-/71	dB
Annual energy consumption	Q_{HE}	5367	kWh

For air-to-water heat pumps: Rated air flow rate, outdoors	-	6150	m^3/h
For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	-	m^3/h

For heat pump combination heater:			
Declared load profile	-		
Daily electricity consumption	Q_{clec}	-	kWh
Annual electricity consumption	AEC	-	kWh

Water heating energy efficiency	η_{wh}	-	%
Daily fuel consumption	Q_{fuel}	-	kWh
Annual fuel consumption	AFC	-	GJ

Contact details	BAXI S.p.A Via Trozzetti, 20 I- 36061 BASSANO DEL GRAPPA (VI)

(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).
(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.

Technical parameters

Model(s):	AURIGA 12T
Air-to-water heat pump:	YES
Water-to-water heat pump:	NO
Brine-to-water heat pump:	NO
Low-temperature heat pump:	NO
Equipped with a supplementary heater:	NO
Heat pump combination heater:	NO
Declared climate condition:	AVERAGE

Parameters are declared for medium-temperature application.

Item	Symbol	Value	Unit
Rated heat output (*)	Prated	12.8	kW
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7℃	Pdh	11.3	kW
Tj = 2℃	Pdh	7.3	kW
Tj = 7℃	Pdh	5.0	kW
Tj = 12℃	Pdh	2.4	kW
Tj = bivalent temperature	Pdh	11.3	kW
Tj = operating limit	Pdh	11.9	kW
For air-to-water heat pumps: Tj = -15℃	Pdh	-	kW
Bivalent temperature	T_{biv}	-7	°C
Cycling interval capacity for heating	P_{cych}	-	kW
Degradation co-efficient (**)	C_{dh}	0.9	--
Power consumption in modes other than active mode			
Off mode	P_{off}	0.009	kW
Standby mode	P_{sb}	0.009	kW
Thermostat-off mode	P_{to}	0.015	kW
Crankcase heater mode	P_{ck}	0.000	kW

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	ηs	126	%
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7℃	COPd	2.05	-
Tj = 2℃	COPd	3.14	-
Tj = 7℃	COPd	4.25	-
Tj = 12℃	COPd	4.94	-
Tj = bivalent temperature	COPd	2.05	-
Tj = operating limit	COPd	1.79	-
For air-to-water heat pumps: Tj = -15℃	COPd	-	-
For air-to-water heat pumps: Operation limit temperature	TOL	-10	°C
Cycling interval efficiency	COP_{cyc}	-	-
Heating water operating limit temperature	W_{TOL}	60	°C
Supplementary heater			
Rated heat output (**)	P_{sup}	0.9	kW
Type of energy input	Electrical Heating		

Other items			
Capacity control	variable		
Sound power level, indoors/outdoors	L_{WA}	-/68	dB
Annual energy consumption	Q_{HE}	8164	kWh

For air-to-water heat pumps: Rated air flow rate, outdoors	-	6150	m^3/h
For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	-	m^3/h

For heat pump combination heater:							
Declared load profile	-			Water heating energy efficiency	η_{wh}	-	%
Daily electricity consumption	Q_{clec}	-	kWh	Daily fuel consumption	Q_{fuel}	-	kWh
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	GJ

Contact details	BAXI S.p.A Via Trozzetti, 20 I- 36061 BASSANO DEL GRAPPA (VI)

(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).
(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.

Technical parameters

Model(s):	AURIGA 12T
Air-to-water heat pump:	YES
Water-to-water heat pump:	NO
Brine-to-water heat pump:	NO
Low-temperature heat pump:	NO
Equipped with a supplementary heater:	NO
Heat pump combination heater:	NO
Declared climate condition:	COLDER

Parameters are declared for medium-temperature application.

Item	Symbol	Value	Unit
Rated heat output (*)	Prated	12.4	kW
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7℃	Pdh	7.3	kW
Tj = 2℃	Pdh	4.5	kW
Tj = 7℃	Pdh	2.9	kW
Tj = 12℃	Pdh	1.4	kW
Tj = bivalent temperature	Pdh	10.1	kW
Tj = operating limit	Pdh	7.7	kW
For air-to-water heat pumps: Tj = -15℃	Pdh	10.1	kW
Bivalent temperature	T_{biv}	-15	°C
Cycling interval capacity for heating	P_{cych}	-	kW
Degradation co-efficient (**)	C_{dh}	0.9	--
Power consumption in modes other than active mode			
Off mode	P_{off}	0.009	kW
Standby mode	P_{sb}	0.009	kW
Thermostat-off mode	P_{to}	0.015	kW
Crankcase heater mode	P_{ck}	0.000	kW

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	ηs	96	%
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7℃	COPd	2.27	-
Tj = 2℃	COPd	2.90	-
Tj = 7℃	COPd	3.96	-
Tj = 12℃	COPd	3.22	-
Tj = bivalent temperature	COPd	1.78	-
Tj = operating limit	COPd	1.27	-
For air-to-water heat pumps: Tj = -15℃	COPd	1.78	-
For air-to-water heat pumps: Operation limit temperature	TOL	-18	°C
Cycling interval efficiency	COP_{cyc}	-	-
Heating water operating limit temperature	W_{TOL}	44	°C
Supplementary heater			
Rated heat output (**)	P_{sup}	6.8	kW
Type of energy input	Electrical Heating		

Other items			
Capacity control	variable		
Sound power level, indoors/outdoors	L_{WA}	-/68	dB
Annual energy consumption	Q_{HE}	12299	kWh

For air-to-water heat pumps: Rated air flow rate, outdoors	-	6150	m^3/h
For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	-	m^3/h

For heat pump combination heater:							
Declared load profile	-			Water heating energy efficiency	η_{wh}	-	%
Daily electricity consumption	Q_{clec}	-	kWh	Daily fuel consumption	Q_{fuel}	-	kWh
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	GJ

Contact details	BAXI S.p.A Via Trozzetti, 20 I- 36061 BASSANO DEL GRAPPA (VI)

(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).
(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.

Technical parameters

Model(s):	AURIGA 12T
Air-to-water heat pump:	YES
Water-to-water heat pump:	NO
Brine-to-water heat pump:	NO
Low-temperature heat pump:	NO
Equipped with a supplementary heater:	NO
Heat pump combination heater:	NO
Declared climate condition:	WARMER

Parameters are declared for medium-temperature application.

Item	Symbol	Value	Unit
Rated heat output (*)	Prated	11.8	kW
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7℃	Pdh	-	kW
Tj = 2℃	Pdh	11.9	kW
Tj = 7℃	Pdh	7.6	kW
Tj = 12℃	Pdh	3.5	kW
Tj = bivalent temperature	Pdh	7.6	kW
Tj = operating limit	Pdh	11.9	kW
For air-to-water heat pumps: Tj = -15℃	Pdh	-	kW
Bivalent temperature	T_{biv}	7	°C
Cycling interval capacity for heating	P_{cych}	-	kW
Degradation co-efficient (**)	C_{dh}	0.9	--
Power consumption in modes other than active mode			
Off mode	P_{off}	0.009	kW
Standby mode	P_{sb}	0.009	kW
Thermostat-off mode	P_{to}	0.015	kW
Crankcase heater mode	P_{ck}	0.000	kW

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	ηs	148	%
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7℃	COPd	-	-
Tj = 2℃	COPd	2.18	-
Tj = 7℃	COPd	3.08	-
Tj = 12℃	COPd	4.94	-
Tj = bivalent temperature	COPd	3.08	-
Tj = operating limit	COPd	2.18	-
For air-to-water heat pumps: Tj = -15℃	COPd	-	-
For air-to-water heat pumps: Operation limit temperature	TOL	2	°C
Cycling interval efficiency	COP_{cyc}	-	-
Heating water operating limit temperature	W_{TOL}	60	°C
Supplementary heater			
Rated heat output (**)	P_{sup}	0.0	kW
Type of energy input	Electrical Heating		

Other items			
Capacity control	variable		
Sound power level, indoors/outdoors	L_{WA}	-/68	dB
Annual energy consumption	Q_{HE}	4207	kWh

For air-to-water heat pumps: Rated air flow rate, outdoors	-	6150	m^3/h
For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	-	m^3/h

For heat pump combination heater:			
Declared load profile	-		
Daily electricity consumption	Q_{clec}	-	kWh
Annual electricity consumption	AEC	-	kWh

Water heating energy efficiency	η_{wh}	-	%
Daily fuel consumption	Q_{fuel}	-	kWh
Annual fuel consumption	AFC	-	GJ

Contact details	BAXI S.p.A Via Trozzetti, 20 I- 36061 BASSANO DEL GRAPPA (VI)

(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).
(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.

Technical parameters

Model(s):	AURIGA 16T
Air-to-water heat pump:	YES
Water-to-water heat pump:	NO
Brine-to-water heat pump:	NO
Low-temperature heat pump:	NO
Equipped with a supplementary heater:	NO
Heat pump combination heater:	NO
Declared climate condition:	AVERAGE

Parameters are declared for medium-temperature application.

Item	Symbol	Value	Unit
Rated heat output (*)	Prated	14.6	kW
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7℃	Pdh	12.9	kW
Tj = 2℃	Pdh	8.3	kW
Tj = 7℃	Pdh	5.5	kW
Tj = 12℃	Pdh	2.6	kW
Tj = bivalent temperature	Pdh	12.9	kW
Tj = operating limit	Pdh	11.2	kW
For air-to-water heat pumps: Tj = -15℃	Pdh	-	kW
Bivalent temperature	T_{biv}	-7	°C
Cycling interval capacity for heating	P_{cych}	-	kW
Degradation co-efficient (**)	C_{dh}	0.9	--
Power consumption in modes other than active mode			
Off mode	P_{off}	0.009	kW
Standby mode	P_{sb}	0.009	kW
Thermostat-off mode	P_{to}	0.041	kW
Crankcase heater mode	P_{ck}	0.000	kW

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	ηs	128	%
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7℃	COPd	2.04	-
Tj = 2℃	COPd	3.21	-
Tj = 7℃	COPd	4.32	-
Tj = 12℃	COPd	5.12	-
Tj = bivalent temperature	COPd	2.04	-
Tj = operating limit	COPd	1.65	-
For air-to-water heat pumps: Tj = -15℃	COPd	-	-
For air-to-water heat pumps: Operation limit temperature	TOL	-10	°C
Cycling interval efficiency	COP_{cyc}	-	-
Heating water operating limit temperature	W_{TOL}	60	°C
Supplementary heater			
Rated heat output (**)	P_{sup}	3.4	kW
Type of energy input	Electrical Heating		

Other items			
Capacity control	variable		
Sound power level, indoors/outdoors	L_{WA}	-/71	dB
Annual energy consumption	Q_{HE}	9216	kWh

For air-to-water heat pumps: Rated air flow rate, outdoors	-	6150	m^3/h
For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	-	m^3/h

For heat pump combination heater:							
Declared load profile	-			Water heating energy efficiency	η_{wh}	-	%
Daily electricity consumption	Q_{clec}	-	kWh	Daily fuel consumption	Q_{fuel}	-	kWh
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	GJ

Contact details	BAXI S.p.A Via Trozzetti, 20 I- 36061 BASSANO DEL GRAPPA (VI)

(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).
(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.

Technical parameters

Model(s):	AURIGA 16T
Air-to-water heat pump:	YES
Water-to-water heat pump:	NO
Brine-to-water heat pump:	NO
Low-temperature heat pump:	NO
Equipped with a supplementary heater:	NO
Heat pump combination heater:	NO
Declared climate condition:	COLDER

Parameters are declared for medium-temperature application.

Item	Symbol	Value	Unit
Rated heat output (*)	Prated	15.2	kW
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7℃	Pdh	9.6	kW
Tj = 2℃	Pdh	5.6	kW
Tj = 7℃	Pdh	4.0	kW
Tj = 12℃	Pdh	1.9	kW
Tj = bivalent temperature	Pdh	11.6	kW
Tj = operating limit	Pdh	6.7	kW
For air-to-water heat pumps: Tj = -15℃	Pdh	10.7	kW
Bivalent temperature	T_{biv}	-13	°C
Cycling interval capacity for heating	P_{cych}	-	kW
Degradation co-efficient (**)	C_{dh}	0.9	--
Power consumption in modes other than active mode			
Off mode	P_{off}	0.009	kW
Standby mode	P_{sb}	0.009	kW
Thermostat-off mode	P_{to}	0.041	kW
Crankcase heater mode	P_{ck}	0.000	kW

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	ηs	106	%
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7℃	COPd	2.38	-
Tj = 2℃	COPd	3.31	-
Tj = 7℃	COPd	4.47	-
Tj = 12℃	COPd	4.05	-
Tj = bivalent temperature	COPd	1.88	-
Tj = operating limit	COPd	1.10	-
For air-to-water heat pumps: Tj = -15℃	COPd	1.76	-
For air-to-water heat pumps: Operation limit temperature	TOL	-18	°C
Cycling interval efficiency	COP_{cyc}	-	-
Heating water operating limit temperature	W_{TOL}	44	°C
Supplementary heater			
Rated heat output (**)	P_{sup}	9.6	kW
Type of energy input	Electrical Heating		

Other items			
Capacity control	variable		
Sound power level, indoors/outdoors	L_{WA}	-/71	dB
Annual energy consumption	Q_{HE}	13768	kWh

For air-to-water heat pumps: Rated air flow rate, outdoors	-	6150	m^3/h
For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	-	m^3/h

For heat pump combination heater:							
Declared load profile	-			Water heating energy efficiency	η_{wh}	-	%
Daily electricity consumption	Q_{clec}	-	kWh	Daily fuel consumption	Q_{fuel}	-	kWh
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	GJ

Contact details	BAXI S.p.A Via Trozzetti, 20 I- 36061 BASSANO DEL GRAPPA (VI)

(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).
(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.

Technical parameters

Model(s):	AURIGA 16T
Air-to-water heat pump:	YES
Water-to-water heat pump:	NO
Brine-to-water heat pump:	NO
Low-temperature heat pump:	NO
Equipped with a supplementary heater:	NO
Heat pump combination heater:	NO
Declared climate condition:	WARMER

Parameters are declared for medium-temperature application.

Item	Symbol	Value	Unit
Rated heat output (*)	Prated	15.7	kW
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7℃	Pdh	-	kW
Tj = 2℃	Pdh	14.1	kW
Tj = 7℃	Pdh	10.1	kW
Tj = 12℃	Pdh	4.8	kW
Tj = bivalent temperature	Pdh	10.1	kW
Tj = operating limit	Pdh	14.1	kW
For air-to-water heat pumps: Tj = -15℃	Pdh	-	kW
Bivalent temperature	T_{biv}	7	°C
Cycling interval capacity for heating	P_{cych}	-	kW
Degradation co-efficient (**)	C_{dh}	0.9	--
Power consumption in modes other than active mode			
Off mode	P_{off}	0.009	kW
Standby mode	P_{sb}	0.009	kW
Thermostat-off mode	P_{to}	0.041	kW
Crankcase heater mode	P_{ck}	0.000	kW

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	ηs	154	%
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7℃	COPd	-	-
Tj = 2℃	COPd	2.14	-
Tj = 7℃	COPd	3.22	-
Tj = 12℃	COPd	5.46	-
Tj = bivalent temperature	COPd	3.22	-
Tj = operating limit	COPd	2.14	-
For air-to-water heat pumps: Tj = -15℃	COPd	-	-
For air-to-water heat pumps: Operation limit temperature	TOL	2	°C
Cycling interval efficiency	COP_{cyc}	-	-
Heating water operating limit temperature	W_{TOL}	60	°C
Supplementary heater			
Rated heat output (**)	P_{sup}	1.6	kW
Type of energy input	Electrical Heating		

Other items			
Capacity control	variable		
Sound power level, indoors/outdoors	L_{WA}	-/71	dB
Annual energy consumption	Q_{HE}	5367	kWh

For air-to-water heat pumps: Rated air flow rate, outdoors	-	6150	m^3/h
For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	-	m^3/h

For heat pump combination heater:			
Declared load profile	-		
Daily electricity consumption	Q_{clec}	-	kWh
Annual electricity consumption	AEC	-	kWh

Water heating energy efficiency	η_{wh}	-	%
Daily fuel consumption	Q_{fuel}	-	kWh
Annual fuel consumption	AFC	-	GJ

Contact details	BAXI S.p.A Via Trozzetti, 20 I- 36061 BASSANO DEL GRAPPA (VI)

(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).
(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.

Information requirements for comfort chillers

Model(s):	AURIGA 5M
Outdoor side heat exchanger of chiller:	Air to water
Indoor side heat exchanger chiller:	Water
Type:	Compressor driven vapour compression
Driver of compressor:	Electric motor

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated cooling capacity	$P_{rated,c}$	4.9	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	186	%
Declared cooling capacity for part load at given outdoor temperature Tj				Declared energy efficiency ratio for part load at given outdoor temperature Tj			
Tj=+35°C	P_{dc}	4.9	kW	Tj=+35°C	EER_d	3.01	-
Tj=+30°C	P_{dc}	3.6	kW	Tj=+30°C	EER_d	4.36	-
Tj=+25°C	P_{dc}	2.2	kW	Tj=+25°C	EER_d	5.61	-
Tj=+20°C	P_{dc}	1.0	kW	Tj=+20°C	EER_d	5.14	-
Degradation co-efficient for chillers (*)	C_{dc}	0.9	-				
Power consumption in modes other than "active mode"							
Off mode	P_{OFF}	0.009	kW	Crankcase heater mode	P_{CK}	0.000	kW
Thermosat-off mode	P_{TO}	0.004	kW	Standby mode	P_{SB}	0.009	kW
Other items							
Capacity control	variable			For air-to-water comfort chillers: air flow rate, outdoor measured	-	3050	m^3/h
Sound power level, indoors / outdoors	L_{WA}	-/61	dB				
Emissions of nitrogen oxides (if applicable)	NO_x (**)	-	mg/kWh input GCV	For water / brine-to-water chillers: Rated brine or water flow rate, outdoor side heat exchanger	-	-	m^3/h
GWP of the refrigerant	-	675	kg CO_2 eq (100years)				
Standard rating conditions used	Low temperature application						
Contact details	BAXI S.p.A Via Trozzetti, 20 I- 36061 BASSANO DEL GRAPPA (VI)						

(*) If C_{dc} is not determined by measurement then the default degradation coefficient of chillers shall be 0,9.
(**) From 26 September 2018.

Information requirements for comfort chillers

Model(s):	AURIGA 5M
Outdoor side heat exchanger of chiller:	Air to water
Indoor side heat exchanger chiller:	Water
Type:	Compressor driven vapour compression
Driver of compressor:	Electric motor

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated cooling capacity	$P_{rated,c}$	4.6	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	301	%
Declared cooling capacity for part load at given outdoor temperature Tj				Declared energy efficiency ratio for part load at given outdoor temperature Tj			
Tj=+35°C	P_{dc}	4.6	kW	Tj=+35°C	EER_d	4.97	-
Tj=+30°C	P_{dc}	3.4	kW	Tj=+30°C	EER_d	6.96	-
Tj=+25°C	P_{dc}	2.2	kW	Tj=+25°C	EER_d	9.40	-
Tj=+20°C	P_{dc}	1.1	kW	Tj=+20°C	EER_d	8.50	-
Degradation co-efficient for chillers (*)	C_{dc}	0.9	-				
Power consumption in modes other than "active mode"							
Off mode	P_{OFF}	0.009	kW	Crankcase heater mode	P_{CK}	0.000	kW
Thermosat-off mode	P_{TO}	0.004	kW	Standby mode	P_{SB}	0.009	kW
Other items							
Capacity control	variable			For air-to-water comfort chillers: air flow rate, outdoor measured	-	3050	m^3/h
Sound power level, indoors / outdoors	L_{WA}	-/61	dB				
Emissions of nitrogen oxides (if applicable)	NO_x (**)	-	mg/kWh input GCV	For water / brine-to-water chillers: Rated brine or water flow rate, outdoor side heat exchanger	-	-	m^3/h
GWP of the refrigerant	-	675	kg CO_2 eq (100years)				
Standard rating conditions used	Medium temperature application						
Contact details	BAXI S.p.A Via Trozzetti, 20 I- 36061 BASSANO DEL GRAPPA (VI)						

(*) If C_{dc} is not determined by measurement then the default degradation coefficient of chillers shall be 0,9.
(**) From 26 September 2018.

Information requirements for comfort chillers

Model(s):	AURIGA 7M
Outdoor side heat exchanger of chiller:	Air to water
Indoor side heat exchanger chiller:	Water
Type:	Compressor driven vapour compression
Driver of compressor:	Electric motor

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated cooling capacity	$P_{rated,c}$	6.2	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	196	%
Declared cooling capacity for part load at given outdoor temperature Tj				Declared energy efficiency ratio for part load at given outdoor temperature Tj			
Tj=+35°C	P_{dc}	6.2	kW	Tj=+35°C	EER_d	2.78	-
Tj=+30°C	P_{dc}	4.7	kW	Tj=+30°C	EER_d	4.21	-
Tj=+25°C	P_{dc}	3.0	kW	Tj=+25°C	EER_d	6.10	-
Tj=+20°C	P_{dc}	1.4	kW	Tj=+20°C	EER_d	6.65	-
Degradation co-efficient for chillers (*)	C_{dc}	0.9	-				
Power consumption in modes other than "active mode"							
Off mode	P_{OFF}	0.009	kW	Crankcase heater mode	P_{CK}	0.000	kW
Thermosat-off mode	P_{TO}	0.002	kW	Standby mode	P_{SB}	0.009	kW
Other items							
Capacity control	variable			For air-to-water comfort chillers: air flow rate, outdoor measured	-	3050	m^3/h
Sound power level, indoors / outdoors	L_{WA}	-/64	dB				
Emissions of nitrogen oxides (if applicable)	NO_x (**)	-	mg/kWh input GCV	For water / brine-to-water chillers: Rated brine or water flow rate, outdoor side heat exchanger	-	-	m^3/h
GWP of the refrigerant	-	675	kg CO_2 eq (100years)				
Standard rating conditions used	Low temperature application						
Contact details	BAXI S.p.A Via Trozzetti, 20 I- 36061 BASSANO DEL GRAPPA (VI)						

(*) If C_{dc} is not determined by measurement then the default degradation coefficient of chillers shall be 0,9.
(**) From 26 September 2018.

Information requirements for comfort chillers

Model(s):	AURIGA 7M
Outdoor side heat exchanger of chiller:	Air to water
Indoor side heat exchanger chiller:	Water
Type:	Compressor driven vapour compression
Driver of compressor:	Electric motor

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated cooling capacity	$P_{rated,c}$	6.4	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	340	%
Declared cooling capacity for part load at given outdoor temperature Tj				Declared energy efficiency ratio for part load at given outdoor temperature Tj			
Tj=+35°C	P_{dc}	6.4	kW	Tj=+35°C	EER_d	4.72	-
Tj=+30°C	P_{dc}	4.9	kW	Tj=+30°C	EER_d	6.80	-
Tj=+25°C	P_{dc}	3.1	kW	Tj=+25°C	EER_d	10.70	-
Tj=+20°C	P_{dc}	1.6	kW	Tj=+20°C	EER_d	12.16	-
Degradation co-efficient for chillers (*)	C_{dc}	0.9	-				
Power consumption in modes other than "active mode"							
Off mode	P_{OFF}	0.009	kW	Crankcase heater mode	P_{CK}	0.000	kW
Thermosat-off mode	P_{TO}	0.002	kW	Standby mode	P_{SB}	0.009	kW
Other items							
Capacity control	variable			For air-to-water comfort chillers: air flow rate, outdoor measured	-	3050	m^3/h
Sound power level, indoors / outdoors	L_{WA}	-/64	dB				
Emissions of nitrogen oxides (if applicable)	NO_x (**)	-	mg/kWh input GCV	For water / brine-to-water chillers: Rated brine or water flow rate, outdoor side heat exchanger	-	-	m^3/h
GWP of the refrigerant	-	675	kg CO_2 eq (100years)				
Standard rating conditions used	Medium temperature application						
Contact details	BAXI S.p.A Via Trozzetti, 20 I- 36061 BASSANO DEL GRAPPA (VI)						

(*) If C_{dc} is not determined by measurement then the default degradation coefficient of chillers shall be 0,9.
(**) From 26 September 2018.

Information requirements for comfort chillers

Model(s):	AURIGA 9M
Outdoor side heat exchanger of chiller:	Air to water
Indoor side heat exchanger chiller:	Water
Type:	Compressor driven vapour compression
Driver of compressor:	Electric motor

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated cooling capacity	$P_{rated,c}$	7.9	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	194	%
Declared cooling capacity for part load at given outdoor temperature Tj				Declared energy efficiency ratio for part load at given outdoor temperature Tj			
Tj=+35°C	P_{dc}	7.9	kW	Tj=+35°C	EER_d	2.39	-
Tj=+30°C	P_{dc}	5.9	kW	Tj=+30°C	EER_d	3.86	-
Tj=+25°C	P_{dc}	3.9	kW	Tj=+25°C	EER_d	5.95	-
Tj=+20°C	P_{dc}	1.7	kW	Tj=+20°C	EER_d	7.47	-
Degradation co-efficient for chillers (*)	C_{dc}	0.9	-				
Power consumption in modes other than "active mode"							
Off mode	P_{OFF}	0.009	kW	Crankcase heater mode	P_{CK}	0.000	kW
Thermosat-off mode	P_{TO}	0.003	kW	Standby mode	P_{SB}	0.009	kW
Other items							
Capacity control	variable			For air-to-water comfort chillers: air flow rate, outdoor measured	-	3050	m^3/h
Sound power level, indoors / outdoors	L_{WA}	-/67	dB				
Emissions of nitrogen oxides (if applicable)	NO_x (**)	-	mg/kWh input GCV	For water / brine-to-water chillers: Rated brine or water flow rate, outdoor side heat exchanger	-	-	m^3/h
GWP of the refrigerant	-	675	kg CO_2 eq (100years)				
Standard rating conditions used	Low temperature application						
Contact details	BAXI S.p.A Via Trozzetti, 20 I- 36061 BASSANO DEL GRAPPA (VI)						

(*) If C_{dc} is not determined by measurement then the default degradation coefficient of chillers shall be 0,9.
(**) From 26 September 2018.

Information requirements for comfort chillers

Model(s):	AURIGA 9M
Outdoor side heat exchanger of chiller:	Air to water
Indoor side heat exchanger chiller:	Water
Type:	Compressor driven vapour compression
Driver of compressor:	Electric motor

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated cooling capacity	$P_{rated,c}$	7.9	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	312	%
Declared cooling capacity for part load at given outdoor temperature Tj				Declared energy efficiency ratio for part load at given outdoor temperature Tj			
Tj=+35°C	P_{dc}	7.9	kW	Tj=+35°C	EER_d	4.17	-
Tj=+30°C	P_{dc}	6.1	kW	Tj=+30°C	EER_d	6.14	-
Tj=+25°C	P_{dc}	3.8	kW	Tj=+25°C	EER_d	9.80	-
Tj=+20°C	P_{dc}	2.0	kW	Tj=+20°C	EER_d	11.53	-
Degradation co-efficient for chillers (*)	C_{dc}	0.9	-				
Power consumption in modes other than "active mode"							
Off mode	P_{OFF}	0.009	kW	Crankcase heater mode	P_{CK}	0.000	kW
Thermosat-off mode	P_{TO}	0.003	kW	Standby mode	P_{SB}	0.009	kW
Other items							
Capacity control	variable			For air-to-water comfort chillers: air flow rate, outdoor measured	-	3050	m^3/h
Sound power level, indoors / outdoors	L_{WA}	-/67	dB				
Emissions of nitrogen oxides (if applicable)	NO_x (**)	-	mg/kWh input GCV	For water / brine-to-water chillers: Rated brine or water flow rate, outdoor side heat exchanger	-	-	m^3/h
GWP of the refrigerant	-	675	kg CO_2 eq (100years)				
Standard rating conditions used	Medium temperature application						
Contact details	BAXI S.p.A Via Trozzetti, 20 I- 36061 BASSANO DEL GRAPPA (VI)						

(*) If C_{dc} is not determined by measurement then the default degradation coefficient of chillers shall be 0,9.
(**) From 26 September 2018.

Information requirements for comfort chillers

Model(s):	AURIGA 12M
Outdoor side heat exchanger of chiller:	Air to water
Indoor side heat exchanger chiller:	Water
Type:	Compressor driven vapour compression
Driver of compressor:	Electric motor

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated cooling capacity	$P_{rated,c}$	11.3	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	191	%
Declared cooling capacity for part load at given outdoor temperature Tj				Declared energy efficiency ratio for part load at given outdoor temperature Tj			
Tj=+35°C	P_{dc}	11.3	kW	Tj=+35°C	EER_d	2.90	-
Tj=+30°C	P_{dc}	8.1	kW	Tj=+30°C	EER_d	4.05	-
Tj=+25°C	P_{dc}	5.2	kW	Tj=+25°C	EER_d	5.42	-
Tj=+20°C	P_{dc}	2.5	kW	Tj=+20°C	EER_d	6.73	-
Degradation co-efficient for chillers (*)	C_{dc}	0.9	-				
Power consumption in modes other than "active mode"							
Off mode	P_{OFF}	0.009	kW	Crankcase heater mode	P_{CK}	0.000	kW
Thermosat-off mode	P_{TO}	0.012	kW	Standby mode	P_{SB}	0.009	kW
Other items							
Capacity control	variable			For air-to-water comfort chillers: air flow rate, outdoor measured	-	6150	m^3/h
Sound power level, indoors / outdoors	L_{WA}	-/68	dB				
Emissions of nitrogen oxides (if applicable)	NO_x (**)	-	mg/kWh input GCV	For water / brine-to-water chillers: Rated brine or water flow rate, outdoor side heat exchanger	-	-	m^3/h
GWP of the refrigerant	-	675	kg CO_2 eq (100years)				
Standard rating conditions used	Low temperature application						
Contact details	BAXI S.p.A Via Trozzetti, 20 I- 36061 BASSANO DEL GRAPPA (VI)						

(*) If C_{dc} is not determined by measurement then the default degradation coefficient of chillers shall be 0,9.
(**) From 26 September 2018.

Information requirements for comfort chillers

Model(s):	AURIGA 12M
Outdoor side heat exchanger of chiller:	Air to water
Indoor side heat exchanger chiller:	Water
Type:	Compressor driven vapour compression
Driver of compressor:	Electric motor

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated cooling capacity	$P_{rated,c}$	12.6	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	297	%
Declared cooling capacity for part load at given outdoor temperature Tj				Declared energy efficiency ratio for part load at given outdoor temperature Tj			
Tj=+35°C	P_{dc}	12.6	kW	Tj=+35°C	EER_d	4.74	-
Tj=+30°C	P_{dc}	8.9	kW	Tj=+30°C	EER_d	6.50	-
Tj=+25°C	P_{dc}	5.9	kW	Tj=+25°C	EER_d	8.65	-
Tj=+20°C	P_{dc}	3.0	kW	Tj=+20°C	EER_d	9.00	-
Degradation co-efficient for chillers (*)	C_{dc}	0.9	-				
Power consumption in modes other than "active mode"							
Off mode	P_{OFF}	0.009	kW	Crankcase heater mode	P_{CK}	0.000	kW
Thermosat-off mode	P_{TO}	0.012	kW	Standby mode	P_{SB}	0.009	kW
Other items							
Capacity control	variable			For air-to-water comfort chillers: air flow rate, outdoor measured	-	6150	m^3/h
Sound power level, indoors / outdoors	L_{WA}	-/68	dB				
Emissions of nitrogen oxides (if applicable)	NO_x (**)	-	mg/kWh input GCV	For water / brine-to-water chillers: Rated brine or water flow rate, outdoor side heat exchanger	-	-	m^3/h
GWP of the refrigerant	-	675	kg CO_2 eq (100years)				
Standard rating conditions used	Medium temperature application						
Contact details	BAXI S.p.A Via Trozzetti, 20 I- 36061 BASSANO DEL GRAPPA (VI)						

(*) If C_{dc} is not determined by measurement then the default degradation coefficient of chillers shall be 0,9.
(**) From 26 September 2018.

Information requirements for comfort chillers

Model(s):	AURIGA 16M
Outdoor side heat exchanger of chiller:	Air to water
Indoor side heat exchanger chiller:	Water
Type:	Compressor driven vapour compression
Driver of compressor:	Electric motor

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated cooling capacity	$P_{rated,c}$	13.9	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	178	%
Declared cooling capacity for part load at given outdoor temperature Tj				Declared energy efficiency ratio for part load at given outdoor temperature Tj			
Tj=+35°C	P_{dc}	13.9	kW	Tj=+35°C	EER_d	2.53	-
Tj=+30°C	P_{dc}	10.5	kW	Tj=+30°C	EER_d	3.81	-
Tj=+25°C	P_{dc}	6.4	kW	Tj=+25°C	EER_d	5.16	-
Tj=+20°C	P_{dc}	3.1	kW	Tj=+20°C	EER_d	6.49	-
Degradation co-efficient for chillers (*)	C_{dc}	0.9	-				
Power consumption in modes other than "active mode"							
Off mode	P_{OFF}	0.009	kW	Crankcase heater mode	P_{CK}	0.000	kW
Thermosat-off mode	P_{TO}	0.031	kW	Standby mode	P_{SB}	0.009	kW
Other items							
Capacity control	variable			For air-to-water comfort chillers: air flow rate, outdoor measured	-	6150	m^3/h
Sound power level, indoors / outdoors	L_{WA}	-/71	dB				
Emissions of nitrogen oxides (if applicable)	NO_x (**)	-	mg/kWh input GCV	For water / brine-to-water chillers: Rated brine or water flow rate, outdoor side heat exchanger	-	-	m^3/h
GWP of the refrigerant	-	675	kg CO_2 eq (100years)				
Standard rating conditions used	Low temperature application						
Contact details	BAXI S.p.A Via Trozzetti, 20 I- 36061 BASSANO DEL GRAPPA (VI)						

(*) If C_{dc} is not determined by measurement then the default degradation coefficient of chillers shall be 0,9.
(**) From 26 September 2018.

Information requirements for comfort chillers

Model(s):	AURIGA 16M
Outdoor side heat exchanger of chiller:	Air to water
Indoor side heat exchanger chiller:	Water
Type:	Compressor driven vapour compression
Driver of compressor:	Electric motor

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated cooling capacity	$P_{rated,c}$	15.3	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	268	%
Declared cooling capacity for part load at given outdoor temperature Tj				Declared energy efficiency ratio for part load at given outdoor temperature Tj			
Tj=+35°C	P_{dc}	15.3	kW	Tj=+35°C	EER_d	4.19	-
Tj=+30°C	P_{dc}	11.3	kW	Tj=+30°C	EER_d	5.94	-
Tj=+25°C	P_{dc}	7.2	kW	Tj=+25°C	EER_d	7.98	-
Tj=+20°C	P_{dc}	3.4	kW	Tj=+20°C	EER_d	8.27	-
Degradation co-efficient for chillers (*)	C_{dc}	0.9	-				
Power consumption in modes other than "active mode"							
Off mode	P_{OFF}	0.009	kW	Crankcase heater mode	P_{CK}	0.000	kW
Thermosat-off mode	P_{TO}	0.031	kW	Standby mode	P_{SB}	0.009	kW
Other items							
Capacity control	variable			For air-to-water comfort chillers: air flow rate, outdoor measured	-	6150	m^3/h
Sound power level, indoors / outdoors	L_{WA}	-/71	dB				
Emissions of nitrogen oxides (if applicable)	NO_x (**)	-	mg/kWh input GCV	For water / brine-to-water chillers: Rated brine or water flow rate, outdoor side heat exchanger	-	-	m^3/h
GWP of the refrigerant	-	675	kg CO_2 eq (100years)				
Standard rating conditions used	Medium temperature application						
Contact details	BAXI S.p.A Via Trozzetti, 20 I- 36061 BASSANO DEL GRAPPA (VI)						

(*) If C_{dc} is not determined by measurement then the default degradation coefficient of chillers shall be 0,9.
(**) From 26 September 2018.

Information requirements for comfort chillers

Model(s):	AURIGA 12T
Outdoor side heat exchanger of chiller:	Air to water
Indoor side heat exchanger chiller:	Water
Type:	Compressor driven vapour compression
Driver of compressor:	Electric motor

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated cooling capacity	$P_{rated,c}$	11.3	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	191	%
Declared cooling capacity for part load at given outdoor temperature Tj				Declared energy efficiency ratio for part load at given outdoor temperature Tj			
Tj=+35°C	P_{dc}	11.3	kW	Tj=+35°C	EER_d	2.90	-
Tj=+30°C	P_{dc}	8.1	kW	Tj=+30°C	EER_d	4.05	-
Tj=+25°C	P_{dc}	5.2	kW	Tj=+25°C	EER_d	5.42	-
Tj=+20°C	P_{dc}	2.5	kW	Tj=+20°C	EER_d	6.73	-
Degradation co-efficient for chillers (*)	C_{dc}	0.9	-				
Power consumption in modes other than "active mode"							
Off mode	P_{OFF}	0.009	kW	Crankcase heater mode	P_{CK}	0.000	kW
Thermosat-off mode	P_{TO}	0.012	kW	Standby mode	P_{SB}	0.009	kW
Other items							
Capacity control	variable			For air-to-water comfort chillers: air flow rate, outdoor measured	-	6150	m^3/h
Sound power level, indoors / outdoors	L_{WA}	-/68	dB				
Emissions of nitrogen oxides (if applicable)	NO_x (**)	-	mg/kWh input GCV	For water / brine-to-water chillers: Rated brine or water flow rate, outdoor side heat exchanger	-	-	m^3/h
GWP of the refrigerant	-	675	kg CO_2 eq (100years)				
Standard rating conditions used	Low temperature application						
Contact details	BAXI S.p.A Via Trozzetti, 20 I- 36061 BASSANO DEL GRAPPA (VI)						

(*) If C_{dc} is not determined by measurement then the default degradation coefficient of chillers shall be 0,9.
(**) From 26 September 2018.

Information requirements for comfort chillers

Model(s):	AURIGA 12T
Outdoor side heat exchanger of chiller:	Air to water
Indoor side heat exchanger chiller:	Water
Type:	Compressor driven vapour compression
Driver of compressor:	Electric motor

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated cooling capacity	$P_{rated,c}$	12.6	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	297	%
Declared cooling capacity for part load at given outdoor temperature Tj				Declared energy efficiency ratio for part load at given outdoor temperature Tj			
Tj=+35°C	P_{dc}	12.6	kW	Tj=+35°C	EER_d	4.74	-
Tj=+30°C	P_{dc}	8.9	kW	Tj=+30°C	EER_d	6.50	-
Tj=+25°C	P_{dc}	5.9	kW	Tj=+25°C	EER_d	8.65	-
Tj=+20°C	P_{dc}	3.0	kW	Tj=+20°C	EER_d	9.00	-
Degradation co-efficient for chillers (*)	C_{dc}	0.9	-				
Power consumption in modes other than "active mode"							
Off mode	P_{OFF}	0.009	kW	Crankcase heater mode	P_{CK}	0.000	kW
Thermosat-off mode	P_{TO}	0.012	kW	Standby mode	P_{SB}	0.009	kW
Other items							
Capacity control	variable			For air-to-water comfort chillers: air flow rate, outdoor measured	-	6150	m^3/h
Sound power level, indoors / outdoors	L_{WA}	-/68	dB				
Emissions of nitrogen oxides (if applicable)	NO_x (**)	-	mg/kWh input GCV	For water / brine-to-water chillers: Rated brine or water flow rate, outdoor side heat exchanger	-	-	m^3/h
GWP of the refrigerant	-	675	kg CO_2 eq (100years)				
Standard rating conditions used	Medium temperature application						
Contact details	BAXI S.p.A Via Trozzetti, 20 I- 36061 BASSANO DEL GRAPPA (VI)						

(*) If C_{dc} is not determined by measurement then the default degradation coefficient of chillers shall be 0,9.
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Information requirements for comfort chillers

Model(s):	AURIGA 16T
Outdoor side heat exchanger of chiller:	Air to water
Indoor side heat exchanger chiller:	Water
Type:	Compressor driven vapour compression
Driver of compressor:	Electric motor

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated cooling capacity	$P_{rated,c}$	13.9	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	178	%
Declared cooling capacity for part load at given outdoor temperature Tj				Declared energy efficiency ratio for part load at given outdoor temperature Tj			
Tj=+35°C	P_{dc}	13.9	kW	Tj=+35°C	EER_d	2.53	-
Tj=+30°C	P_{dc}	10.5	kW	Tj=+30°C	EER_d	3.81	-
Tj=+25°C	P_{dc}	6.4	kW	Tj=+25°C	EER_d	5.16	-
Tj=+20°C	P_{dc}	3.1	kW	Tj=+20°C	EER_d	6.49	-
Degradation co-efficient for chillers (*)	C_{dc}	0.9	-				
Power consumption in modes other than "active mode"							
Off mode	P_{OFF}	0.009	kW	Crankcase heater mode	P_{CK}	0.000	kW
Thermosat-off mode	P_{TO}	0.031	kW	Standby mode	P_{SB}	0.009	kW
Other items							
Capacity control	variable			For air-to-water comfort chillers: air flow rate, outdoor measured	-	6150	m^3/h
Sound power level, indoors / outdoors	L_{WA}	-/71	dB				
Emissions of nitrogen oxides (if applicable)	NO_x (**)	-	mg/kWh input GCV	For water / brine-to-water chillers: Rated brine or water flow rate, outdoor side heat exchanger	-	-	m^3/h
GWP of the refrigerant	-	675	kg CO_2 eq (100years)				
Standard rating conditions used	Low temperature application						
Contact details	BAXI S.p.A Via Trozzetti, 20 I- 36061 BASSANO DEL GRAPPA (VI)						

(*) If C_{dc} is not determined by measurement then the default degradation coefficient of chillers shall be 0,9.
(**) From 26 September 2018.

Information requirements for comfort chillers

Model(s):	AURIGA 16T
Outdoor side heat exchanger of chiller:	Air to water
Indoor side heat exchanger chiller:	Water
Type:	Compressor driven vapour compression
Driver of compressor:	Electric motor

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated cooling capacity	$P_{rated,c}$	15.3	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	268	%
Declared cooling capacity for part load at given outdoor temperature Tj				Declared energy efficiency ratio for part load at given outdoor temperature Tj			
Tj=+35°C	P_{dc}	15.3	kW	Tj=+35°C	EER_d	4.19	-
Tj=+30°C	P_{dc}	11.3	kW	Tj=+30°C	EER_d	5.94	-
Tj=+25°C	P_{dc}	7.2	kW	Tj=+25°C	EER_d	7.98	-
Tj=+20°C	P_{dc}	3.4	kW	Tj=+20°C	EER_d	8.27	-
Degradation co-efficient for chillers (*)	C_{dc}	0.9	-				
Power consumption in modes other than "active mode"							
Off mode	P_{OFF}	0.009	kW	Crankcase heater mode	P_{CK}	0.000	kW
Thermosat-off mode	P_{TO}	0.031	kW	Standby mode	P_{SB}	0.009	kW
Other items							
Capacity control	variable			For air-to-water comfort chillers: air flow rate, outdoor measured	-	6150	m^3/h
Sound power level, indoors / outdoors	L_{WA}	-/71	dB				
Emissions of nitrogen oxides (if applicable)	NO_x (**)	-	mg/kWh input GCV	For water / brine-to-water chillers: Rated brine or water flow rate, outdoor side heat exchanger	-	-	m^3/h
GWP of the refrigerant	-	675	kg CO_2 eq (100years)				
Standard rating conditions used	Medium temperature application						
Contact details	BAXI S.p.A Via Trozzetti, 20 I- 36061 BASSANO DEL GRAPPA (VI)						

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Model	Mode	Heating					Cooling	
	Ambient temperature	7/6			2/1	-7/-8	35/24	
	Water temperature	30-35	40-45	47-55	30-35	30-35	23-18	12-7
AURIGA 5M	Capacity /W	4650	4800	4650	4600	4900	4600	4850
	Power input /W	930	1333	1768	1156	1639	954	1628
	COP / EER	5.00	3.60	2.63	3.98	2.99	4.82	2.98
AURIGA 7M	Capacity /W	6650	6700	6800	6200	6450	6450	6300
	Power input /W	1348	1879	2424	1590	2164	1387	2274
	COP / EER	4.94	3.57	2.81	3.90	2.98	4.65	2.77
AURIGA 9M	Capacity /W	8600	8600	8600	7100	7500	8000	7950
	Power input /W	1870	2500	3127	2034	2534	1923	3149
	COP / EER	4.60	3.44	2.75	3.49	2.96	4.16	2.53
AURIGA 12M	Capacity /W	12300	12400	11900	12200	12000	12200	10900
	Power input /W	2557	3518	4281	3406	4290	2552	3739
	COP / EER	4.81	3.53	2.78	3.58	2.80	4.78	2.92
AURIGA 16M	Capacity /W	16300	16200	16100	15000	13500	15500	13800
	Power input /W	3663	4723	5908	4492	4913	3643	5208
	COP / EER	4.45	3.43	2.73	3.34	2.75	4.26	2.65
AURIGA 12T	Capacity /W	12300	12400	11900	12200	12000	12200	10900
	Power input /W	2541	3454	4235	3351	4221	2528	3720
	COP / EER	4.84	3.59	2.81	3.64	2.84	4.83	2.93
AURIGA 16T	Capacity /W	16300	16200	16100	15000	13500	15500	13800
	Power input /W	3634	4702	5833	4449	4845	3634	5188
	COP / EER	4.49	3.45	2.76	3.37	2.79	4.27	2.66

NOTE

BAXI

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