



Technical data manual

Heat pump air/water "inverter"

- Assure Mono 5
- Assure Mono 7
- Assure Mono 9
- Assure Mono 12
- Assure Mono 16

Heat pump space he	eater	unit	Assure Mono 5	Assure Mono 7	Assure Mono 9	Assure Mono 12	Assure Mono 16	12KW 3PH	16KW 3PH
Indoor unit sound po	wer (*)	[dB(A)]	1	/	1	1	1	/	/
Outdoor unit sound p	oower (*)	[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 fu Heat pump	inction integrated in	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 (De	sign temperature= -10	°C)							
	Prated(declared heating capacity) @-10°C	[kW]	2	7	8	12	16	12	16
Space heating 35°C	Seasonal space heating efficiency(ns)	[%]	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
	Prated(declared heating capacity) @-10°C	[kW]	2	7	7	13	15	13	15
Space heating 55°C	Seasonal space heating efficiency(ns)	[%]	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	e low temperatu	rre application					
	Pdh(declared heating capacity)	[kW]	5.88	5.88	7.42	10.52	14.15	10.52	14.15
(A) condition (-7°C)	COPd (declared COP)	ı.	2.91	2.91	2.80	2.88	2.72	2.88	2.72
	Cdh(degradation coefficient)		0.90	0.90	0.90	06.0	06.0	06.0	0.90
	Pdh(declared heating capacity)	[kW]	3.64	3.64	4.83	6.50	8.92	6.50	8.92
(B) condition (2°C)	COPd (declared COP)	r	4.38	4.38	4.33	4.15	4.17	4.15	4.17
	Cdh(degradation coefficient)	T	0.90	06.0	06.0	06.0	06.0	06.0	0.90
	Pdh(declared heating capacity)	[kW]	2.42	2.42	3.20	4.12	5.64	4.12	5.64
(C) condition (7°C)	COPd (declared COP)	T	5.89	5.89	6.20	5.74	5.86	5.74	5.86
	Cdh(degradation coefficient)	I.	0.90	0.90	0.90	06.0	0.90	06.0	0.90
	Pdh(declared heating capacity)	[kW]	1.03	1.03	1.55	2.23	2.47	2.23	2.47
(D) condition (12°C)	COPd (declared COP)	1	5.89	5.89	7.61	5.40	6.28	5.40	6.28
	Cdh(degradation coefficient)	•	06.0	06.0	0:00	06.0	06.0	06.0	0.90

Heat pump space h	ieater	unit	Assure Mono 5	Assure Mono 7	Assure Mono 9	Assure Mono 12	Assure Mono 16	12KW 3PH	16KW 3PH
	Tol (temperature operating limit)	[°C]	-10	- 10	-10	-10	-10	-10	-10
(E) Tol(temperature	Pdh (declared heating capacity)	[kW]	6.62	6.62	6.64	12.01	12.93	12.01	12.93
operating limit)	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
	Tbiv	[°C]	-۲	-7	-7	7-	-7	-7	-7
(F) Tbivalent temperature	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	s space heating average o	climate	e medium temp	erature applicat	tion				
	Pdh (declared heating capacity)	[kW]	5.83	5.83	6.58	11.29	12.90	11.29	12.90
(A) condition (-7°C)	COPd (declared COP)	-	1.97	1.97	1.87	2.05	2.04	2.05	2.04
	Cdh(degradation coefficient)	-	0.90	0.90	06.0	06.0	06.0	0.90	06.0
	Pdh (declared heating capacity)	[kW]	3.68	3.68	4.25	7.31	8.25	7.31	8.25
(B) condition (2°C)	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
	Pdh (declared heating capacity)	[kW]	2.47	2.47	2.80	4.96	5.45	4.96	5.45
(C) condition (7°C)	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	06.0
	Pdh (declared heating capacity)	[kW]	1.26	1.26	1.27	2.37	2.57	2.37	2.57
(D) condition (12°C)	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	06.0
	Tol (temperature operating limit)	[°C]	-10	- 10	-10	-10	-10	-10	-10
(E) Tol(temperature	Pdh (declared heating capacity)	[kW]	5.86	5.86	5.53	11.88	11.16	11.88	11.16
operating limit)	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
	Tbiv	[°C]	-7	-7	-7	-7	-7	-7	-7
(F) Tbivalent temperature	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

Heat pump space heat	er	unit	Assure Mono 5	Assure Mono 7	Assure Mono 9	Assure Mono 12	Assure Mono 16	12KW 3PH	16KW 3PH
Colder climate (Design ter	mperature = -22°C)								
	Prated (declared heating capacity) @ -22°C	[kW]	5	7	8	13	16	13	16
Space heating 35°C	Seasonal space heating efficiency (ŋs)	[%]	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
	Prated (declared heating capacity) @ -22°C	[kW]	5	7	8	12	15	12	15
Space heating 55°C	Seasonal space heating efficiency (ŋs)	[%]	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 spi	ace heating colder clin	nate lo	w temperature	e application					
	Pdh (declared heating capacity)	[kW]	3.92	5.35	5.85	10.31	11.38	10.31	11.38
condition (-15°C)	COPd (declared COP)	I	2.43	2.48	2.42	2.38	2.33	2.38	2.33
	Cdh(degradation coefficient)		0.90	0.90	06.0	06.0	0.90	0.90	0.00
	Pdh (declared heating capacity)	[kW]	2.86	4.19	5.31	7.74	9.98	7.74	9.98
(A) condition (-7°C)	COPd (declared COP)	1	3.09	3.22	3.22	3.18	3.15	3.18	3.15
	Cdh(degradation coefficient)		0.90	0.90	06.0	06.0	0.90	0.90	0.00
	Pdh (declared heating capacity)	[kW]	1.74	2.59	3.35	4.32	5.83	4.32	5.83
(B) condition (2°C)	COPd (declared COP)	1	4.09	4.53	4.76	4.00	4.33	4.00	4.33
	Cdh(degradation coefficient)		06.0	0.90	06.0	0.90	06.0	0.90	0.90
	Pdh (declared heating capacity)	[kW]	1.12	1.79	2.09	3.00	4.13	3.00	4.13
(C) condition (7°C)	COPd (declared COP)	1	4.52	6.13	6.34	5.69	6.12	5.69	6.12
	Cdh(degradation coefficient)	1	0.90	0.90	06.0	06.0	0.90	0.90	0.90
	Pdh (declared heating capacity)	[kW]	0.69	1.03	1.03	1.81	2.57	1.81	2.57
(D) condition (12°C)	COPd (declared COP)	I	4.04	6.00	5.75	4.56	6.50	4.56	6.50
	Cdh(degradation coefficient)	-	0.90	0.90	06.0	06.0	0.90	0.90	0.90
	Tol (temperature operating limit)	[°C]	-20	-20	-20	-22	-22	-22	-22
(E) Tol(temperature	Pdh (declared heating capacity)	[kW]	4.78	4.93	4.91	8.54	9.06	8.54	9.06
operating limit)	COPd (declared COP)	ı	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
	Tbiv	[°C]	-15	-15	-13	-15	-13	-15	-13
(F) Tbivalent temperature	Pdh (declared heating capacity)	[kW]	3.92	5.35	6.26	10.30	11.85	10.30	11.85
	COPd (declared COP)	1	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

Heat pump space heate	er	unit	Assure Mono 5	Assure Mono 7	Assure Mono 9	Assure Mono 12	Assure Mono 16	12KW 3PH	16KW 3PH
Part load conditions sp	ace heating colder clim	late n	iedium temper	ature applicatic	u				
	Pdh (declared heating capacity)	[kW]	3.86	5.42	5.49	10.09	10.74	10.09	10.74
condition (-15°C)	COPd (declared COP)	-	1.73	1.80	1.76	1.78	1.76	1.78	1.76
	Cdh(degradation coefficient)	-	0.90	0.90	06.0	0.90	0.90	06.0	0.90
	Pdh (declared heating capacity)	[kW]	2.97	4.15	5.41	7.34	9.64	7.34	9.64
(A) condition (-7°C)	COPd (declared COP)		2.18	2.38	2.43	2.27	2.38	2.27	2.38
	Cdh(degradation coefficient)		0.90	0.90	06.0	06.0	0.90	0.90	06.0
	Pdh (declared heating capacity)	[kW]	1.75	2.67	3.30	4.47	5.59	4.47	5.59
(B) condition (2°C)	COPd (declared COP)		2.94	3.05	3.40	2.90	3.31	2.90	3.31
	Cdh(degradation coefficient)		0.90	0.90	06.0	0.90	0.90	0.90	06.0
	Pdh (declared heating capacity)	[kW]	1.16	1.71	2.17	2.88	3.95	2.88	3.95
(C) condition (7°C)	COPd (declared COP)		3.57	4.16	4.59	3.96	4.47	3.96	4.47
	Cdh(degradation coefficient)		0.90	0.90	06.0	06.0	06.0	0.90	06.0
	Pdh (declared heating capacity)	[kW]	0.61	0.91	06.0	1.44	1.90	1.44	1.90
(D) condition (12°C)	COPd (declared COP)		2.93	4.28	4.28	3.22	4.05	3.22	4.05
	Cdh(degradation coefficient)		0.90	0.90	06.0	06.0	06.0	0.90	06.0
	Tol (temperature operating limit)	[°C]	-18	-18	-18	-18	-18	-18	-18
(E) Tol(temperature	Pdh (declared heating capacity)	[kW]	4.10	4.05	4.17	7.66	6.72	7.66	6.72
operating limit)	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
	Tbiv	[°C]	-15	-15	-12	-15	-13	-15	-13
(F) Tbivalent temperature	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 (Desigi	n temperature =2°C)								
	Prated (declared heating capacity) @ 2°C	[kW]	5	7	8	12	16	12	16
Space heating 35°C	Seasonal space heating efficiency (ŋs)	[%]	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
	Prated (declared heating capacity) @ 2°C	[kW]	5	7	6	12	16	12	16
Space heating 55°C	Seasonal space heating efficiency (ŋs)	[%]	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

Heat pump space heate	er	unit	Assure Mono 5	Assure Mono 7	Assure Mono 9	Assure Mono 12	Assure Mono 16	12KW 3PH	16KW 3PH
Part load conditions spa	ace heating warmer cli	mate	low temperatu	re application					
	Pdh (declared heating capacity)	[kW]	4.80	6.76	7.58	12.03	15.25	12.03	15.25
(B) condition (2°C)	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	06.0	0.90
	Pdh (declared heating capacity)	[kW]	3.03	4.42	4.82	7.84	10.13	7.84	10.13
(C) condition (7°C)	COPd (declared COP)		5.29	5.53	5.46	5.45	5.32	5.45	5.32
	Cdh(degradation coefficient)		06.0	0.90	0.90	06.0	0.90	06.0	0.90
	Pdh (declared heating capacity)	[kW]	1.45	1.89	2.44	3.49	4.91	3.49	4.91
(D) condition (12°C)	COPd (declared COP)		6.47	7.53	8.24	7.14	7.48	7.14	7.48
	Cdh(degradation coefficient)		06.0	0.90	0.90	0.90	0.90	0:00	0.90
	Tol (temperature operating limit)	[°C]	2	2	2	2	2	2	2
(E) Tol(temperature operating limit)	Pdh (declared heating capacity)	[kW]	4.80	6.76	7.58	12.03	15.25	12.03	15.25
	COPd (declared COP)	Т	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
(E) Thivalant	Tbiv	[°C]	7	7	7	7	7	7	7
temperature	Pdh (declared heating capacity)	[kW]	3.03	4.42	4.82	7.84	10.13	7.84	10.13
	COPd (declared COP)	Т	5.29	5.53	5.46	5.45	5.32	5.45	5.32
Supplementary capacity at P_design	Psup (@Tdesignh:2°C)	[kW]	00.00	0.10	0.00	0.20	0.50	0.20	0.50
Part load conditions spe	ace heating warmer cli	imate	medium tempe	erature applica	tion				
	Pdh (declared heating capacity)	[kW]	4.70	6.63	8.57	11.88	14.12	11.88	14.12
(B) condition (2°C)	COPd (declared COP)		2.27	2.18	2.15	2.18	2.14	2.18	2.14
	Cdh(degradation coefficient)	Т	06.0	0.90	0.90	0.90	0.90	06.0	0.90
	Pdh (declared heating capacity)	[kW]	2.94	4.26	5.55	7.61	10.10	7.61	10.10
(C) condition (7°C)	COPd (declared COP)		3.10	3.34	3.43	3.08	3.22	3.08	3.22
	Cdh(degradation coefficient)		06.0	0.90	0.90	0.90	0.90	06.0	0.90
	Pdh (declared heating capacity)	[kW]	1.48	1.94	2.59	3.52	4.77	3.52	4.77
(D) condition (12°C)	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	06.0	0.90
	Tol (temperature operating limit)	[.C]	2	2	2	2	2	2	2
(E) Tol(temperature operating limit)	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

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(E) Thivalent		unit	Assure Mono 5	Assure Mono 7	Assure Mono 9	Assure Mono 12	Assure Mono 16	12KW 3PH	16KW 3PH
		[.c]	7	7	7	7	7	7	7
temperature capa	(declared heating city)	[kW]	2.94	4.26	5.55	7.61	10.10	7.61	10.10
COP	d (declared COP)		3.10	3.34	3.43	3.08	3.22	3.08	3.22
Supplementary capacity Psup at P_design	(@Tdesignh:2°C)	[kW]	0.00	0.00	0.00	0.00	1.60	00.0	1.60
Ecodesign technical data									
Air-to	-water heat pump	Y/N	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Wate	r-to-water heat pump	Y/N	No	No	No	No	No	No	No
Brine Brine	-to-water heat pump	Y/N	No	No	No	No	No	No	No
	temperature heat	Y/N	No	No	No	No	No	No	No
Equilence	pped with a lementary heater	Y/N	No	No	No	Yes	Yes	Yes	Yes
Heat	pump combination	Y/N	No	No	No	No	No	No	No
Air to water unit Rate	d airflow (outdoor)	[m ^{3/h}]	3050	3050	3050	6150	6150	6150	6150
Brine/water to water unit (outd	d water/brine flow loor H/E)	[m ^{3/h}]	/	/	/	/	/	1	1
Сара	acity control		Inverter	Inverter	Inverter	Inverter	Inverter	Inverter	Inverter
Poff	(Power umption Off mode)	[kW]	600.0	0.009	0.009	0.009	0.009	0.009	0.009
Pto (Then	Power consumption	[kW]	600.0	0.006	0.010	0.015	0.041	0.015	0.041
Other Stand	Power consumption	[kW]	0.009	0.009	0.009	0.009	0.009	0.009	0.009
PCK	(Power crankcase	[kW]	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Qele	c (Daily electricity umption)	[kWh]	/	/	1	/	1	1	1
Qfue	I (Daily fuel umption)	[kWh]	/	_	/	/	/	1	1
Details and precautions on	installation, mainte	enance	and assembly)	/ can be found	in the installati	on and or opera	tion manuals.		
Product fiche data accordir	ng to energy label o	directiv	e 2010/30/EC	regulation (EU)) 811/2013.				

Model(s):	Assure Mono 5
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

Unit %

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-°C

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°C

kW

m³/h

m³/h

Parameters are declared for medium-temperature application.

Item	Symbol	Value	Unit	Item	Symbol	Value	ι
Rated heat output (*)	Prated	6.6	kW	Seasonal space heating energy efficiency	ηs	127	
Declared capacity for heating for part load a and outdoor temperature Tj	at indoor tem	perature 20 °C	2	Declared coefficient of performance or prim indoor temperature 20 °C and outdoor te	ary energy ra	atio for part loa j	ad at
Tj = -7 ℃	Pdh	5.8	kW	Tj = -7 °C	COPd	1.97	
Tj = 2 °C	Pdh	3.7	kW	Tj = 2 °C	COPd	3.22	
Tj = 7 °C	Pdh	2.5	kW	Tj = 7 °C	COPd	4.21	
Tj = 12 C	Pdh	1.3	kW	Tj = 12℃	COPd	4.91	
Tj = bivalent temperature	Pdh	5.8	kW	Tj = bivalent temperature	COPd	1.97	
Tj = operating limit	Pdh	5.9	kW	Tj = operating limit	COPd	1.62	
For air-to-water heat pumps: Tj = -15 $^\circ$ C	Pdh	-	kW	For air-to-water heat pumps: Tj = -15 °C	COPd	-	
Bivalent temperature	Tbiv	-7	°C	For air-to-water heat pumps: Operation limit temperature	TOL	-10	-
Cycling interval capacity for heating	Pcych	-	kW	Cycling interval efficiency	COPcyc	-	
Degradation co-efficient (**)	Cdh	0.9		Heating water operating limit temperature	WTOL	60	•
Power consumption in modes other than ac	tive mode			Supplementary heater			
Off mode	Poff	0.009	kW	Dated heat output (**)			<u> </u>
Standby mode	Psb	0.009	kW	Rated heat output ()	Psup	0.7	ĸ
Thermostat-off mode	Pto	0.006	kW	Type of energy input		Electrical	
Crankcase heater mode	Pck	0.000	kW			Liectrical	
Other items							_
Capacity control		variable		For air-to-water heat pumps: Rated air flow rate, outdoors	-	3050	m³
Sound power level, indoors/outdoors	L _{WA}	-/61	dB	For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor	-	-	m
Annual energy consumption	Q _{HE}	4203	kWh	heat exchanger			
For heat pump combination heater:							

For neat pump combination neater:							
Declared load profile		-		Water heating energy efficiency	ղ _{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 Heating UK Ltd. Brooks House, Coventry Road, Warwick, CV34 4LL, UK

Model(s):	Assure Mono 5
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	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	4.7	kW	Seasonal space heating energy efficiency	ηs	97	%
Declared capacity for heating for part load a and outdoor temperature Tj	it indoor temp	oerature 20 °C	:	Declared coefficient of performance or prima indoor temperature 20 °C and outdoor ter	ary energy ra mperature Tj	tio for part loa	ıd at
Tj = -7 °C	Pdh	3.0	kW	Tj = -7℃	COPd	2.18	-
Tj = 2 ℃	Pdh	1.8	kW	Tj = 2 °C	COPd	2.94	-
Tj = 7 °C	Pdh	1.2	kW	Tj = 7 °C	COPd	3.57	-
Tj = 12°C	Pdh	0.6	kW	Tj = 12°C	COPd	2.93	-
Tj = bivalent temperature	Pdh	3.9	kW	Tj = bivalent temperature	COPd	1.73	-
Tj = operating limit	Pdh	4.1	kW	Tj = operating limit	COPd	1.28	-
For air-to-water heat pumps: Tj = -15 °C	Pdh	3.9	kW	For air-to-water heat pumps: Tj = -15 °C	COPd	1.73	-
Bivalent temperature	Tbiv	-15	°C	For air-to-water heat pumps: Operation limit temperature	TOL	-18	°C
Cycling interval capacity for heating	Pcych	-	kW	Cycling interval efficiency	COPcyc	-	-
Degradation co-efficient (**)	Cdh	0.9		Heating water operating limit temperature	WTOL	44	°C
Power consumption in modes other than ac	tive mode			Supplementary heater			
Off mode	Poff	0.009	kW	Deted best subsut (**)	D		
Standby mode	Psb	0.009	kW	Rated heat output ()	Psup	2.7	KVV
Thermostat-off mode	Pto	0.009	kW	Type of energy input		_	
Crankcase heater mode	Pck	0.000	kW	Type of chergy input		_	
					-		
Other items							
Capacity control		variable		For air-to-water heat pumps: Rated air flow rate, outdoors	-	3050	m³/h
Sound power level, indoors/outdoors	L_{WA}	-/61	dB	For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor	-	-	m³/h
Annual energy consumption	Q _{HE}	4661	kWh	heat exchanger			
Por heat pump combination neater:					2		
		-		vvater neating energy efficiency		-	%
Daily electricity consumption	Q _{clec}	-	kWh		Q _{fuel}	-	kVVh
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	GJ
	BAYLHA	ating LIK	l td				

Contact details

BAXI Heating UK Ltd. Brooks House, Coventry Road, Warwick, CV34 4LL, UK

Model(s):	Assure Mono 5
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	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	4.6	kW	Seasonal space heating energy efficiency	ηs	142	%
Declared capacity for heating for part load at indoor temperature 20 $^\circ\text{C}$ and outdoor temperature Tj)	Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 $^\circ\text{C}$ and outdoor temperature Tj				
Tj = -7 °C	Pdh	-	kW	Tj = -7 C	COPd	-	-
Tj = 2 °C	Pdh	4.7	kW	Tj = 2℃	COPd	2.27	-
Tj = 7 ℃	Pdh	2.9	kW	Tj = 7 ℃	COPd	3.10	-
Tj = 12 [°] C	Pdh	1.5	kW	Tj = 12 °C	COPd	4.56	-
Tj = bivalent temperature	Pdh	2.9	kW	Tj = bivalent temperature	COPd	3.10	-
Tj = operating limit	Pdh	4.7	kW	Tj = operating limit	COPd	2.27	-
For air-to-water heat pumps: Tj = -15 $^\circ$ C	Pdh	-	kW	For air-to-water heat pumps: Tj = -15 $^\circ\!\!\!\!\!^\circ\!\!\!\!^\circ$	COPd	-	-
Bivalent temperature	Tbiv	7	°C	For air-to-water heat pumps: Operation limit temperature	TOL	2	°C
Cycling interval capacity for heating	Pcych	-	kW	Cycling interval efficiency	COPcyc	-	-
Degradation co-efficient (**)	Cdh	0.9		Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than active mode			Supplementary heater				
Off mode	Poff	0.009	kW	Deted best sutput (**)			
Standby mode	Psb	0.009	kW	Rated heat output ()	r sup	0.0	KVV
Thermostat-off mode	Pto	0.009	kW	Type of energy input		_	
Crankcase heater mode	Pck	0.000	kW		-		
	•						
Other items	1						
Capacity control		variable		For air-to-water heat pumps: Rated air flow rate, outdoors	-	3050	m³/h
Sound power level, indoors/outdoors	L _{WA}	-/61	dB	For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor	-	-	m³/h
Annual energy consumption	Q _{HE}	1683	kWh	heat exchanger			
For heat pump combination heater:					T		T
Declared load profile		-	1	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 Heating UK Ltd. Brooks House, Coventry Road, Warwick, CV34 4LL, UK

Model(s):	Assure Mono 7
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	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	6.6	kW	Seasonal space heating energy efficiency	ηs	127	%
Declared capacity for heating for part load a and outdoor temperature Tj	at indoor tem	perature 20 °C)	Declared coefficient of performance or primi indoor temperature 20 °C and outdoor tem	ary energy ra mperature T	itio for part loa j	ad at
Tj = -7℃	Pdh	5.8	kW	Tj = -7 °C	COPd	1.97	-
Tj = 2°C	Pdh	3.7	kW	Tj = 2 °C	COPd	3.22	-
Tj = 7 °C	Pdh	2.5	kW	Tj = 7 °C	COPd	4.21	-
Tj = 12 [°] C	Pdh	1.3	kW	Tj = 12°C	COPd	4.91	-
Tj = bivalent temperature	Pdh	5.8	kW	Tj = bivalent temperature	COPd	1.97	-
Tj = operating limit	Pdh	5.9	kW	Tj = operating limit	COPd	1.62	-
For air-to-water heat pumps: Tj = -15 °C	Pdh	-	kW	For air-to-water heat pumps: Tj = -15 °C	COPd	-	-
Bivalent temperature	Tbiv	-7	°C	For air-to-water heat pumps: Operation limit temperature	TOL	-10	°C
Cycling interval capacity for heating	Pcych	-	kW	Cycling interval efficiency	COPcyc	-	-
Degradation co-efficient (**)	Cdh	0.9		Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than active mode			Supplementary heater				
Off mode	Poff	0.009	kW	Boted heat output (**)			_
Standby mode	Psb	0.009	kW	Rated heat output (**)	Psup	0.7	kW
Thermostat-off mode	Pto	0.006	kW		Florida		
Crankcase heater mode	Pck	0.000	kW			Liectifical	
	-						
Other items					. <u> </u>		
Capacity control		variable		For air-to-water heat pumps: Rated air flow rate, outdoors	-	3050	m³/h
Sound power level, indoors/outdoors	L _{WA}	-/64	dB	For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor	_	-	m³/h
Annual energy consumption	Q _{HE}	4203	kWh	heat exchanger			
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 Heating UK Ltd. Brooks House, Coventry Road, Warwick, CV34 4LL, UK

Model(s):	Assure Mono 7
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	Item	Symbol	Value	Unit	
Rated heat output (*)	Prated	6.6	kW	Seasonal space heating energy efficiency	ηs	104	%	
Declared capacity for heating for part load and outdoor temperature Tj	at indoor tem	perature 20 °(C	Declared coefficient of performance or prim indoor temperature 20 °C and outdoor te	Declared coefficient of performance or primary energy ratio for part load a indoor temperature 20 $^\circ\text{C}$ and outdoor temperature Tj			
Tj = -7 °C	Pdh	4.2	kW	Tj = -7 °C	COPd	2.38	-	
Tj = 2°C	Pdh	2.7	kW	Tj = 2 °C	COPd	3.05	-	
Tj = 7 °C	Pdh	1.7	kW	Tj = 7 °C	COPd	4.16	-	
Tj = 12°C	Pdh	0.9	kW	Tj = 12 °C	COPd	4.28	-	
Tj = bivalent temperature	Pdh	5.4	kW	Tj = bivalent temperature	COPd	1.80	-	
Tj = operating limit	Pdh	4.1	kW	Tj = operating limit	COPd	1.25	-	
For air-to-water heat pumps: Tj = -15 °C	Pdh	5.4	kW	For air-to-water heat pumps: Tj = -15 $^\circ$ C	COPd	1.80	-	
Bivalent temperature	Tbiv	-15	°C	For air-to-water heat pumps: Operation limit temperature	TOL	-18	°C	
Cycling interval capacity for heating	Pcych	-	kW	Cycling interval efficiency	COPcyc	-	-	
Degradation co-efficient (**)	Cdh	0.9		Heating water operating limit temperature	WTOL 44		°C	
Power consumption in modes other than a	Power consumption in modes other than active mode			Supplementary heater				
Off mode	Poff	0.009	kW	Poted best output (**)	Dava	10	1414/	
Standby mode	Psb	0.009	kW	Rated heat output ()	r sup	4.6	KVV	
Thermostat-off mode	Pto	0.006	kW	Type of energy input				
Crankcase heater mode	Pck	0.000	kW	Type of energy input -				
Other items								
Capacity control		variable		For air-to-water heat pumps: Rated air flow rate, outdoors	-	3050	m³/h	
Sound power level, indoors/outdoors	L _{WA}	-/64	dB	For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor	-	-	m³/h	
Annual energy consumption	Q _{HE}	6136	kWh	heat exchanger				
For heat nump combination heater:								
Portard load profile				When boating approxy officiency			04	
Daily electricity consumption	0.	-	k\A/b		Or .	-	70	
		-			 ∧ ⊑ C	-		
			I KVVD		I AFC	-	I GJ	

Contact details

Annual electricity consumption

BAXI Heating UK Ltd. Brooks House, Coventry Road, Warwick, CV34 4LL, UK

kWh

GJ

AFC

Assure Mono 7
YES
NO
WARMER

Parameters are declared for medium-temperature application.

Item	Symbol	Value	Unit	Item	Symbol	Value	ι
Rated heat output (*)	Prated	6.6	kW	Seasonal space heating energy efficiency	ηs	154	
Declared capacity for heating for part load a and outdoor temperature Tj	at indoor tem	perature 20 °0	C	Declared coefficient of performance or prim indoor temperature 20 °C and outdoor te	ary energy ra	atio for part loa j	ad at
Tj = -7 °C	Pdh	-	kW	Tj = -7℃	COPd	-	
Tj = 2 °C	Pdh	6.6	kW	Tj = 2°C	COPd	2.18	
Tj = 7 °C	Pdh	4.3	kW	Tj = 7 °C	COPd	3.34	
Tj = 12 ℃	Pdh	1.9	kW	Tj = 12 [°] C	COPd	4.99	
Tj = bivalent temperature	Pdh	4.3	kW	Tj = bivalent temperature	COPd	3.34	
Tj = operating limit	Pdh	6.6	kW	Tj = operating limit	COPd	2.18	
For air-to-water heat pumps: Tj = -15 $^\circ\!\mathrm{C}$	Pdh	-	kW	For air-to-water heat pumps: Tj = -15 $^\circ$ C	COPd	-	
Bivalent temperature	Tbiv	7	°C	For air-to-water heat pumps: Operation limit temperature	TOL	2	
Cycling interval capacity for heating	Pcych	-	kW	Cycling interval efficiency	COPcyc	-	Γ
Degradation co-efficient (**)	Cdh	0.9		Heating water operating limit temperature	WTOL	60	
Power consumption in modes other than a	ctive mode			Supplementary heater			
Off mode	Poff	0.009	kW	Boted heat output (**)	Dam		Γ.
Standby mode	Psb	0.009	kW		Fsup	0.0	k
Thermostat-off mode	Pto	0.006	kW	Type of energy input			
Crankcase heater mode	Pck	0.000	kW				
Other items							
Capacity control		variable		For air-to-water heat pumps: Rated air flow rate, outdoors	-	3050	m
					1		

Crankcase heater mode	Pck	0.000	kW	
Other items				
Capacity control		variable		For air-to-water heat pumps: Rated air flow rate, outdoors
Sound power level, indoors/outdoors	L _{WA}	-/64	dB	For water-or brine-to-water heat p Rated brine or water flow rate, ou
Annual energy consumption	Q _{HE}	2255	kWh	heat exchanger

Type of energy input		-	
For air-to-water heat pumps: Rated air flow rate, outdoors	-	3050	m³/h
For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	-	m³/h

Unit %

-

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-

°C

-

°C

kW

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 Heating UK Ltd. Brooks House, Coventry Road, Warwick, CV34 4LL, UK

Model(s):	Assure Mono 9
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	Item
Rated heat output (*)	Prated	7.4	kW	Seasonal space
Declared capacity for heating for part load a and outdoor temperature Tj	at indoor tem	perature 20 °C)	Declared coefficient indoor temperate
Tj = -7 °C	Pdh	6.6	kW	Tj = -7 ℃
Tj = 2 °C	Pdh	4.3	kW	Tj = 2 °C
Tj = 7 ℃	Pdh	2.8	kW	Tj = 7 ℃
Tj = 12 [°] C	Pdh	1.3	kW	Tj = 12 °C
Tj = bivalent temperature	Pdh	6.6	kW	Tj = bivalent tem
Tj = operating limit	Pdh	5.5	kW	Tj = operating lin
For air-to-water heat pumps: Tj = -15 $^\circ\!\mathrm{C}$	Pdh	-	kW	For air-to-water
Bivalent temperature	Tbiv	-7	°C	For air-to-water h Operation limit te
Cycling interval capacity for heating	Pcych	-	kW	Cycling interval e
Degradation co-efficient (**)	Cdh	0.9		Heating water op
Power consumption in modes other than ac	ctive mode			Supplementary
Off mode	Poff	0.009	kW	Dated heat out
Standby mode	Psb	0.009	kW	Rated heat out
Thermostat-off mode	Pto	0.010	kW	
Crankcase heater mode	Pck	0.000	kW	I i ype or energy
Other items				1
Other items				

 L_{WA}

Q_{HE}

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	ηs	126	%
Declared coefficient of performance or prima indoor temperature 20 °C and outdoor ter	ary energy ra nperature Tj	tio for part loa	ıd at
Tj = -7 °C	COPd	1.87	-
Tj = 2°C	COPd	3.19	-
Tj = 7 °C	COPd	4.38	-
Tj = 12 [°] C	COPd	5.04	-
Tj = bivalent temperature	COPd	1.87	-
Tj = operating limit	COPd	1.51	-
For air-to-water heat pumps: Tj = -15 $^\circ\!$	COPd	-	-
For air-to-water heat pumps: Operation limit temperature	TOL	-10	°C
Cycling interval efficiency	COPcyc	-	-
Heating water operating limit temperature	WTOL	60	°C
Supplementary heater			
Rated heat output (**)	Psup	1.8	kW
Type of energy input		Electrical	
For air-to-water heat pumps: Rated air flow rate, outdoors	-	3050	m³/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

dB

kWh

variable

-/67

4770

Contact details

Capacity control

Sound power level, indoors/outdoors

Annual energy consumption

BAXI Heating UK Ltd. Brooks House, Coventry Road, Warwick, CV34 4LL, UK

Model(s):	Assure Mono 9
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	Item	Symbol	Value	Unit	
Rated heat output (*)	Prated	8.2	kW	Seasonal space heating energy efficiency	ηs	109	%	
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj		;	Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj					
Tj = -7 °C	Pdh	5.4	kW	Tj = -7 °C	COPd	2.43	-	
Tj = 2 [°] C	Pdh	3.3	kW	Tj = 2 °C	COPd	3.40	-	
Tj = 7℃	Pdh	2.2	kW	Tj = 7 °C	COPd	4.59	-	
Tj = 12 °C	Pdh	0.9	kW	Tj = 12 [°] C	COPd	4.28	-	
Tj = bivalent temperature	Pdh	6.1	kW	Tj = bivalent temperature	COPd	1.98	-	
Tj = operating limit	Pdh	4.2	kW	Tj = operating limit	COPd	1.29	-	
For air-to-water heat pumps: Tj = -15 [°] C	Pdh	5.5	kW	For air-to-water heat pumps: Tj = -15 °C	COPd	1.76	-	
Bivalent temperature	Tbiv	-12	°C	For air-to-water heat pumps: Operation limit temperature	TOL	-18	°C	
Cycling interval capacity for heating	Pcych	-	kW	Cycling interval efficiency	COPcyc	-	-	
Degradation co-efficient (**)	Cdh	0.9		Heating water operating limit temperature	WTOL	44	°C	
Power consumption in modes other than active mode				Supplementary heater				
Off mode	Poff	0.009	kW	Detect has at a start (#*)				
Standby mode	Psb	0.009	kW	Rated heat output (**)	Psup	6.3	kW	
Thermostat-off mode	Pto	0.010	kW					
Crankcase heater mode	Pck	0.000	kW			-		
	-							
Other items								
Capacity control		variable		For air-to-water heat pumps: Rated air flow rate, outdoors	-	3050	m³/h	
Sound power level, indoors/outdoors	L _{WA}	-/67	dB	For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor	-	-	m³/h	
Annual energy consumption	Q _{HE}	7286	kWh	heat exchanger				
For boot nump combination booton								
		-		water neating energy efficiency		-	%	
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 Heating UK Ltd. Brooks House, Coventry Road, Warwick, CV34 4LL, UK

Technical parameters				
Model(s):	Assure Mono 9			
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	Item		
Rated heat output (*)	Prated	8.6	kW	Seaso		
Declared capacity for heating for part load a and outdoor temperature Tj	t indoor temp	Decla indoor				
Tj = -7 ℃	Pdh	-	kW	Tj = -7		
Tj = 2 [°] C	Pdh	8.6	kW	Tj = 2		
Tj = 7 °C	Pdh	5.6	kW	Tj = 7		
Tj = 12℃	Pdh	2.6	kW	Tj = 1		
Tj = bivalent temperature	Pdh	5.6	kW	Tj = b		
Tj = operating limit	Pdh	8.6	kW	Tj = o		
For air-to-water heat pumps: Tj = -15 $^\circ\!\!\!\!\!^\circ$	Pdh	-	kW	For ai		
Bivalent temperature	Tbiv	7	°C	For ai Opera		
Cycling interval capacity for heating	Pcych	-	kW	Cyclir		
Degradation co-efficient (**)	Cdh	0.9		Heati		
Power consumption in modes other than active mode						
Off mode	Poff	0.009	kW	Datas		
Standby mode	Psb	0.009	kW	Ralec		
Thermostat-off mode	Pto	0.010	kW	Type		
Crankcase heater mode	Pck	0.000	kW	Туре		

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 °C	COPd	-	-			
Tj = 2 °C	COPd	2.15	-			
Tj = 7 °C	COPd	3.43	-			
Tj = 12°C	COPd	5.57	-			
Tj = bivalent temperature	COPd	3.43	-			
Tj = operating limit	COPd	2.14	-			
For air-to-water heat pumps: Tj = -15 °C	COPd	-	-			
For air-to-water heat pumps: Operation limit temperature	TOL	2	°C			
Cycling interval efficiency	COPcyc	-	-			
Heating water operating limit temperature	WTOL	60	°C			
Supplementary heater						
Rated heat output (**)	Psup	0.0	kW			
Type of energy input -						
For air-to-water heat pumps: Rated air flow rate, outdoors	-	3050	m³/h			
For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	-	m³/h			

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Annual energy consumption	Q _{HE}	2774 kWh			neat exchanger			
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

dB

variable

-/67

 L_{WA}

Contact details

Other items Capacity control

Sound power level, indoors/outdoors

BAXI Heating UK Ltd. Brooks House, Coventry Road, Warwick, CV34 4LL, UK

Model(s):	Assure Mono 12
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	Item	Symbol	Value	Unit		
Rated heat output (*)	Prated	12.8	kW	Seasonal space heating energy efficiency	ηs	126	%		
Declared capacity for heating for part load at indoor temperature 20 $^\circ\text{C}$ and outdoor temperature Tj			Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj						
Tj = -7 ℃	Pdh	11.3	kW	Tj = -7°C	COPd	2.05	-		
Tj = 2 °C	Pdh	7.3	kW	Tj = 2 °C	COPd	3.14	-		
Tj = 7 [°] C	Pdh	5.0	kW	Tj = 7 °C	COPd	4.25	-		
Tj = 12 [°] C	Pdh	2.4	kW	Tj = 12 [°] C	COPd	4.94	-		
Tj = bivalent temperature	Pdh	11.3	kW	Tj = bivalent temperature	COPd	2.05	-		
Tj = operating limit	Pdh	11.9	kW	Tj = operating limit	COPd	1.79	-		
For air-to-water heat pumps: Tj = -15 $^\circ\!$	Pdh	-	kW	For air-to-water heat pumps: Tj = -15 $^\circ\!$	COPd	-	-		
Bivalent temperature	Tbiv	-7	°C	For air-to-water heat pumps: Operation limit temperature	TOL	-10	°C		
Cycling interval capacity for heating	Pcych	-	kW	Cycling interval efficiency	COPcyc	-	-		
Degradation co-efficient (**)	Cdh	0.9		Heating water operating limit temperature	WTOL	60	°C		
Power consumption in modes other than ac	tive mode			Supplementary heater					
Off mode	Poff	0.009	kW	Poted heat output (**)	Paura	0.0	1.3.47		
Standby mode	Psb	0.009	kW		r sup	0.9	KVV		
Thermostat-off mode	Pto	0.015	kW	Type of energy input	Electrical Heating				
Crankcase heater mode	Pck	0.000 kW			Electrical Heating				
Other items									
Capacity control		variable		For air-to-water heat pumps: Rated air flow rate, outdoors	-	6150	m³/h		
Sound power level, indoors/outdoors	L_{WA}	-/68	dB	For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor	-	-	m³/h		
Annual energy consumption	Q_{HE}	8164	kWh	heat exchanger					
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 Heating UK Ltd. Brooks House, Coventry Road, Warwick, CV34 4LL, UK

Model(s):	Assure Mono 12
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	Item	Symbol	Value	Unit	
Rated heat output (*)	Prated	12.4	kW	Seasonal space heating energy efficiency	ηs	96	%	
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj			Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj					
Tj = -7 ℃	Pdh	7.3	kW	Tj = -7℃	COPd	2.27	-	
Tj = 2 °C	Pdh	4.5	kW	Tj = 2 °C	COPd	2.90	-	
Tj = 7 °C	Pdh	2.9	kW	Tj = 7 °C	COPd	3.96	-	
Tj = 12 [°] C	Pdh	1.4	kW	Tj = 12 °C	COPd	3.22	-	
Tj = bivalent temperature	Pdh	10.1	kW	Tj = bivalent temperature	COPd	1.78	-	
Tj = operating limit	Pdh	7.7	kW	Tj = operating limit	COPd	1.27	-	
For air-to-water heat pumps: Tj = -15 °C	Pdh	10.1	kW	For air-to-water heat pumps: Tj = -15 [°] C	COPd	1.78	-	
Bivalent temperature	Tbiv	-15	°C	For air-to-water heat pumps: Operation limit temperature	TOL	-18	°C	
Cycling interval capacity for heating	Pcych	-	kW	Cycling interval efficiency	COPcyc	-	-	
Degradation co-efficient (**)	Cdh	0.9		Heating water operating limit temperature	WTOL	44	°C	
Power consumption in modes other than active mode				Supplementary heater				
Off mode	Poff	0.009	kW	Deted best sutput (**)				
Standby mode	Psb	0.009	kW		r sup	6.8	KVV	
Thermostat-off mode	Pto	0.015	kW	Type of energy input				
Crankcase heater mode	Pck	0.000	kW		Electrical Heating			
Other items					1			
Capacity control		variable		Rated air flow rate, outdoors	-	6150	m³/h	
Sound power level, indoors/outdoors	L _{WA}	-/68	dB	For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor	_	-	m ³ /h	
Annual energy consumption	Q _{HE}	12299	kWh	heat exchanger				
		•						
For heat pump combination heater:	1				1			
Declared load profile		-		Water heating energy efficiency	ղ _{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 Heating UK Ltd. Brooks House, Coventry Road, Warwick, CV34 4LL, UK

Model(s):	Assure Mono 12
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

GJ

AFC

Parameters are declared for medium-temperature application.

Item	Symbol	Value	Unit]	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	11.8	kW	1	Seasonal space heating energy efficiency	ηs	148	%
Declared capacity for heating for part load a and outdoor temperature Tj	at indoor tem	perature 20 °C	C		Declared coefficient of performance or prim indoor temperature 20 °C and outdoor te	ary energy ra	atio for part loa j	ad at
Tj = −7 °C	Pdh	-	kW	1	Tj = -7°C	COPd	-	-
Tj = 2 °C	Pdh	11.9	kW	1	Tj = 2 °C	COPd	2.18	-
Tj = 7 °C	Pdh	7.6	kW	1	Tj = 7 °C	COPd	3.08	-
Tj = 12 [°] C	Pdh	3.5	kW	1	Tj = 12°C	COPd	4.94	-
Tj = bivalent temperature	Pdh	7.6	kW	1	Tj = bivalent temperature	COPd	3.08	-
Tj = operating limit	Pdh	11.9	kW	1	Tj = operating limit	COPd	2.18	-
For air-to-water heat pumps: Tj = -15 °C	Pdh	-	kW	1	For air-to-water heat pumps: Tj = -15 °C	COPd	-	-
Bivalent temperature	Tbiv	7	°C		For air-to-water heat pumps: Operation limit temperature	TOL	2	°C
Cycling interval capacity for heating	Pcych	-	kW	1	Cycling interval efficiency	COPcyc	-	-
Degradation co-efficient (**)	Cdh	0.9		1	Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than ac	tive mode				Supplementary heater			
Off mode	Poff	0.009	kW	1	Detect hast subsut (#*)			
Standby mode	Psb	0.009	kW	1		Psup	0.0	kW
Thermostat-off mode	Pto	0.015	kW	1	Type of energy input Electrical Heatin			
Crankcase heater mode	Pck	0.000	kW	1				ing
				1				
Other items	I					1		
Capacity control		variable			For air-to-water heat pumps: Rated air flow rate, outdoors	-	6150	m³/h
Sound power level, indoors/outdoors	L _{WA}	-/68	dB		For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor	-	-	m³/h
Annual energy consumption	Q _{HE}	4207	kWh		heat exchanger			
For heat pump combination heater:								
Declared load profile		-			Water heating energy efficiency	η _{wh}	-	%
Daily electricity consumption	Q _{clec}	-	kWh	1	Daily fuel consumption	Q _{fuel}	-	kWh

Contact details

Annual electricity consumption

BAXI Heating UK Ltd. Brooks House, Coventry Road, Warwick, CV34 4LL, UK

kWh

Annual fuel consumption

AEC

-

Model(s):	Assure Mono 16
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

128 ratio for part load at

Unit %

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-

°C

_

°C

kW

m³/h

m³/h

Parameters are declared for medium-temperature application.

Item	Symbol	Value	Unit	Item	Symbol	Value	
Rated heat output (*)	Prated	14.6	kW	Seasonal space heating energy efficiency	ηs	128	
Declared capacity for heating for part load and outdoor temperature Tj	at indoor tem	perature 20 °C	;	Declared coefficient of performance or primary energy ratio for part loa indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7 °C	Pdh	12.9	kW	Tj = -7 °C	COPd	2.04	
Tj = 2 [°] C	Pdh	8.3	kW	Tj = 2°C	COPd	3.21	
Tj = 7 °C	Pdh	5.5	kW	Tj = 7 °C	COPd	4.32	
Tj = 12 [°] C	Pdh	2.6	kW	Tj = 12°C	COPd	5.12	
Tj = bivalent temperature	Pdh	12.9	kW	Tj = bivalent temperature	COPd	2.04	
Tj = operating limit	Pdh	11.2	kW	Tj = operating limit	COPd	1.65	
For air-to-water heat pumps: Tj = -15 °C	Pdh	-	kW	For air-to-water heat pumps: Tj = -15 °C	COPd	-	
Bivalent temperature	Tbiv	-7	°C	For air-to-water heat pumps: Operation limit temperature	TOL	-10	
Cycling interval capacity for heating	Pcych	-	kW	Cycling interval efficiency	COPcyc	-	
Degradation co-efficient (**)	Cdh	0.9		Heating water operating limit temperature	WTOL	60	
Power consumption in modes other than a	ctive mode			Supplementary heater			
Off mode	Poff	0.009	kW	Deted best sutsut (**)			
Standby mode	Psb	0.009	kW	Rated heat output ()	Psup	i 128 argy ratio for part load argy ratio for part load id 2.04 id 3.21 id 4.32 id 5.12 id 2.04 id 2.04 id 2.04 id 1.65 id - id - id 0.0 Poyo - ol 60 id 3.4 id 1.65 id - ol 60 id - id 6150	
Thermostat-off mode	Pto	0.041	kW	Type of energy input	Psup 3.4 Electrical Hea		
Crankcase heater mode	Pck	0.000	kW	Type of energy input	Elec	ctrical Heating	
Other items							
Capacity control		variable		For air-to-water heat pumps: Rated air flow rate, outdoors	-	6150	
Sound power level, indoors/outdoors	L _{WA}	-/71	dB	For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor	-	-	
Annual energy consumption	Q _{HE}	9216	kWh	heat exchanger			

For heat pump combination heater:							
Declared load profile		-		Water heating energy efficiency	ղ _{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 Heating UK Ltd. Brooks House, Coventry Road, Warwick, CV34 4LL, UK

Model(s):	Assure Mono 16
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.

Rated heat output (*) Prated 15.2 kW Seasonal space heating energy efficiency ηs 106 Declared capacity for heating for part load at indoor temperature Tj T Declared coefficient of performance or primury energy ratio for part load indoor temperature 20 °C and outdoor temperature 20 °C and outdoor temperature Tj Ti = -7°C COPd 2.38 Ti = 2°C Pdh 5.6 kW Ti = 2°C COPd 3.31	% at - -								
Declared capacity for heating for part load at indoor temperature 20 °C Declared coefficient of performance or primary energy ratio for part load indoor temperature 20 °C and outdoor temperature Tj Tj = -7 °C Pdh 9.6 kW Tj = -7 °C COPd 2.38 Ti = 2 °C Pdh 5.6 kW Ti = 2 °C COPd 3.31	at - -								
Tj = -7°C Pdh 9.6 kW Tj = -7°C COPd 2.38 Tj = 2°C Pdh 5.6 kW Tj = 2°C COPd 3.31	-								
$Ti = 2^{\circ}$ Pdb Fe kW $Ti = 2^{\circ}$ COPd 3.31	-								
	-								
Tj = 7 [°] C Pdh 4.0 kW Tj = 7 [°] C COPd 4.47									
Tj = 12 [°] C Pdh 1.9 kW Tj = 12 [°] C COPd 4.05	-								
Tj = bivalent temperature Pdh 11.6 kW Tj = bivalent temperature COPd 1.88	-								
Tj = operating limit Pdh 6.7 kW Tj = operating limit COPd 1.10	-								
For air-to-water heat pumps: Tj = -15 °C Pdh 10.7 kW For air-to-water heat pumps: Tj = -15 °C COPd 1.76	-								
Bivalent temperature Tbiv -13 °C For air-to-water heat pumps: Operation limit temperature TOL -18	°C								
Cycling interval capacity for heating P _{cych} - kW Cycling interval efficiency COP _{cyc} -	-								
Degradation co-efficient (**) Cdh 0.9 Heating water operating limit temperature WTOL 44	°C								
Power consumption in modes other than active mode Supplementary heater	Supplementary heater								
Off mode Poff 0.009 kW									
Standby mode Psb 0.009 kW Rated field output () Psup 9,6	ĸvv								
Thermostat-off mode Pto 0.041 kW									
Crankcase heater mode Pck 0.000 kW									
Other items									
Capacity control variable For air-to-water heat pumps: Rated air flow rate, outdoors - 6150	n ³ /h								
Sound power level, indoors/outdoors L _{WA} -/71 dB For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor	n ³ /h								
Annual energy consumption Q _{HE} 13768 kWh heat exchanger									
For near pump compination neater:									
Declared load profile - Water heating energy efficiency Nwh -	%								
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 Heating UK Ltd. Brooks House, Coventry Road, Warwick, CV34 4LL, UK

Model(s):	Assure Mono 16
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	Item	Symbol	Value	Unit		
Rated heat output (*)	Prated	15.7	kW	Seasonal space heating energy efficiency	ηs	154	%		
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj					
Tj = -7℃	Pdh	-	kW	Tj = -7 °C	COPd	-	-		
Tj = 2 °C	Pdh	14.1	kW	Tj = 2 [°] C	COPd	2.14	-		
Tj = 7 °C	Pdh	10.1	kW	Tj = 7 [°] C	COPd	3.22	-		
Tj = 12 °C	Pdh	4.8	kW	Tj = 12℃	COPd	5.46	-		
Tj = bivalent temperature	Pdh	10.1	kW	Tj = bivalent temperature	COPd	3.22	-		
Tj = operating limit	Pdh	14.1	kW	Tj = operating limit	COPd	2.14	-		
For air-to-water heat pumps: Tj = -15 °C	Pdh	-	kW	For air-to-water heat pumps: Tj = -15 [°] C	COPd	-	-		
Bivalent temperature	Tbiv	7	°C	For air-to-water heat pumps: Operation limit temperature	TOL	2	°C		
Cycling interval capacity for heating	Pcych	-	kW	Cycling interval efficiency	COPcyc	-	-		
Degradation co-efficient (**)	Cdh	0.9		Heating water operating limit temperature	WTOL	60	°C		
Power consumption in modes other than active mode				Supplementary heater	Supplementary heater				
Off mode	Poff	0.009	kW	Deted best sutput (**)					
Standby mode	Psb	0.009	kW	Rated heat output ()	Psup	1.6	KVV		
Thermostat-off mode	Pto	0.041	kW	Type of energy input					
Crankcase heater mode	Pck	0.000	00 kW			Electrical Heating			
Other items					1				
Capacity control		variable		For air-to-water heat pumps: Rated air flow rate, outdoors	-	6150	m³/h		
Sound power level, indoors/outdoors	L _{WA}	-/71	dB	For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor	-	-	m³/h		
Annual energy consumption	Q _{HE}	5367	kWh	heat exchanger					
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 Heating UK Ltd. Brooks House, Coventry Road, Warwick, CV34 4LL, UK

Model(s):	12KW 3PH
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	Item	Symbol	Value	Unit	
Rated heat output (*)	Prated	12.8	kW	Seasonal space heating energy efficiency	ηs	126	%	
Declared capacity for heating for part load and outdoor temperature Tj	at indoor tem	perature 20 °C	2	Declared coefficient of performance or prim indoor temperature 20 °C and outdoor te	ary energy ra	atio for part loa	id at	
Tj = -7 °C	Pdh	11.3	kW	Tj = -7°C	COPd	2.05	-	
Tj = 2 [°] C	Pdh	7.3	kW	Tj = 2°C	COPd	3.14	-	
Tj = 7 °C	Pdh	5.0	kW	Tj = 7 °C	COPd	4.25	-	
Tj = 12 [°] C	Pdh	2.4	kW	Tj = 12 °C	COPd	4.94	-	
Tj = bivalent temperature	Pdh	11.3	kW	Tj = bivalent temperature	COPd	2.05	-	
Tj = operating limit	Pdh	11.9	kW	Tj = operating limit	COPd	1.79	-	
For air-to-water heat pumps: Tj = -15 [°] C	Pdh	-	kW	For air-to-water heat pumps: Tj = -15 °C	COPd	-	-	
Bivalent temperature	Tbiv	-7	°C	For air-to-water heat pumps: Operation limit temperature	TOL	-10	°C	
Cycling interval capacity for heating	Pcych	-	kW	Cycling interval efficiency	COPcyc	-	-	
Degradation co-efficient (**)	Cdh	0.9		Heating water operating limit temperature	WTOL	60	°C	
Power consumption in modes other than active mode				Supplementary heater				
Off mode	Poff	0.009	kW				—	
Standby mode	Psb	0.009	kW	Rated heat output (***)	Psup	0.9	kW	
Thermostat-off mode	Pto	0.015	kW	Type of energy input	_			
Crankcase heater mode	Pck	0.000	kW	Type of energy input	Electrical Heating			
			_					
Other items								
Capacity control		variable		For air-to-water heat pumps: Rated air flow rate, outdoors	-	6150	m³/h	
Sound power level, indoors/outdoors	L _{WA}	-/68	dB	For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor	-	-	m³/h	
Annual energy consumption	Q _{HE}	8164	kWh	heat exchanger				
For neat 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 Heating UK Ltd. Brooks House, Coventry Road, Warwick, CV34 4LL, UK

Model(s):	12KW 3PH
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	Item	Symbol	Value	Unit	
Rated heat output (*)	Prated	12.4	kW	Seasonal space heating energy efficiency	ηs	96	%	
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj			Declared coefficient of performance or prima indoor temperature 20 °C and outdoor ter	ary energy ra nperature Tj	itio for part loa	ıd at		
Tj = -7 ℃	Pdh	7.3	kW	Tj = -7 °C	COPd	2.27	-	
Tj = 2 °C	Pdh	4.5	kW	Tj = 2 °C	COPd	2.90	-	
Tj = 7 °C	Pdh	2.9	kW	Tj = 7 °C	COPd	3.96	-	
Tj = 12 [°] C	Pdh	1.4	kW	Tj = 12 [°] C	COPd	3.22	-	
Tj = bivalent temperature	Pdh	10.1	kW	Tj = bivalent temperature	COPd	1.78	-	
Tj = operating limit	Pdh	7.7	kW	Tj = operating limit	COPd	1.27	-	
For air-to-water heat pumps: Tj = -15 [°] C	Pdh	10.1	kW	For air-to-water heat pumps: Tj = -15 $^\circ\!\!\!\!\!^{\rm C}$	COPd	1.78	-	
Bivalent temperature	Tbiv	-15	°C	For air-to-water heat pumps: Operation limit temperature	TOL	-18	°C	
Cycling interval capacity for heating	Pcych	-	kW	Cycling interval efficiency	COPcyc	-	-	
Degradation co-efficient (**)	Cdh	0.9		Heating water operating limit temperature	WTOL	44	°C	
Power consumption in modes other than active mode			Supplementary heater					
Off mode	Poff	0.009	kW	Botod boot output (**)	Dent			
Standby mode	Psb	0.009	kW		r sup	6.8	KVV	
Thermostat-off mode	Pto	0.015	kW	V				
Crankcase heater mode	Pck	0.000	kW		Electrical Heating			
Other items								
Other items				For air to water best sumpsy				
Capacity control		variable		Rated air flow rate, outdoors	-	6150	m³/h	
Sound power level, indoors/outdoors	L _{WA}	-/68	dB	For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor	-	-	m³/h	
Annual energy consumption	Q _{HE}	12299	kWh	heat exchanger				
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 Heating UK Ltd. Brooks House, Coventry Road, Warwick, CV34 4LL, UK

Technical parameters					
Model(s):	12KW 3PH				
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				

NO WARMER

Parameters are declared for medium-temperature application.

Heat pump combination heater:

Declared climate condition:

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit	
Rated heat output (*)	Prated	11.8	kW	Seasonal space heating energy efficiency	ηs	148	%	
Declared capacity for heating for part load and outdoor temperature Tj	at indoor tem	perature 20 °0	C	Declared coefficient of performance or prim indoor temperature 20 °C and outdoor te	ary energy ra	atio for part loa j	ad at	
Tj = -7 ℃	Pdh	-	kW	Tj = -7℃	COPd	-	-	
Tj = 2 °C	Pdh	11.9	kW	Tj = 2°C	COPd	2.18	-	
Tj = 7 °C	Pdh	7.6	kW	Tj = 7 °C	COPd	3.08	-	
Tj = 12°C	Pdh	3.5	kW	Tj = 12 [°] C	COPd	4.94	-	
Tj = bivalent temperature	Pdh	7.6	kW	Tj = bivalent temperature	COPd	3.08	-	
Tj = operating limit	Pdh	11.9	kW	Tj = operating limit	COPd	2.18	-	
For air-to-water heat pumps: Tj = -15 [°] C	Pdh	-	kW	For air-to-water heat pumps: Tj = -15 °C	COPd	-	-	
Bivalent temperature	Tbiv	7	°C	For air-to-water heat pumps: Operation limit temperature	TOL	2	°C	
Cycling interval capacity for heating	Pcych	-	kW	Cycling interval efficiency	COPcyc	-	-	
Degradation co-efficient (**)	Cdh	0.9		Heating water operating limit temperature	WTOL	60	°C	
Power consumption in modes other than a	ctive mode			Supplementary heater				
Off mode	Poff	0.009	kW				—	
Standby mode	Psb	0.009	kW		Psup	0.0	KVV	
Thermostat-off mode	Pto	0.015	kW	Type of energy input				
Crankcase heater mode	Pck	0.000	kW		Electrical Heating			
Other items								
Capacity control		variable		For air-to-water heat pumps: Rated air flow rate, outdoors	-	6150	m³/h	
Sound power level, indoors/outdoors	L _{WA}	-/68	dB	For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor	-	-	m³/h	
Annual energy consumption	Q _{HE}	4207	kWh	heat exchanger				
For best nump combination bestor:								
				What has been a second officiency	n.		0/	
Daily electricity consumption	0.	-	k)A/b		Or .	-	70	
		-	KVVI1		≤ fuel	-	KVVI1	
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	GJ	

Contact details

BAXI Heating UK Ltd. Brooks House, Coventry Road, Warwick, CV34 4LL, UK

Model(s):	16KW 3PH
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

Unit %

> ---..... ---°C -°C

kW

m³/h

m³/h

Parameters are declared for medium-temperature application.

tem	Symbol	Value	Unit	Item	Symbol	Value	
Rated heat output (*)	Prated	14.6	kW	Seasonal space heating energy efficiency	ηs	128	Γ
Declared capacity for heating for part load and outdoor temperature Tj	at indoor tem	perature 20 °C	;	Declared coefficient of performance or prim indoor temperature 20 °C and outdoor te	ary energy ra mperature Tj	itio for part loa	ad a
īj = -7℃	Pdh	12.9	kW	Tj = -7 °C	COPd	2.04	Γ
īj = 2°C	Pdh	8.3	kW	Tj = 2 °C	COPd	3.21	Γ
rj = 7 °C	Pdh	5.5	kW	Tj = 7 °C	COPd	4.32	Γ
rj = 12°C	Pdh	2.6	kW	Tj = 12°C	COPd	5.12	Γ
j = bivalent temperature	Pdh	12.9	kW	Tj = bivalent temperature	COPd	2.04	Γ
īj = operating limit	Pdh	11.2	kW	Tj = operating limit	COPd	1.65	Γ
For air-to-water heat pumps: Tj = -15 °C	Pdh	-	kW	For air-to-water heat pumps: Tj = -15 °C	COPd	-	Γ
Bivalent temperature	Tbiv	-7	°C	For air-to-water heat pumps: Operation limit temperature	TOL	-10	Γ
Cycling interval capacity for heating	Pcych	-	kW	Cycling interval efficiency	COPcyc	-	Г
Degradation co-efficient (**)	Cdh	0.9		Heating water operating limit temperature	WTOL	60	Γ
Power consumption in modes other than	active mode			Supplementary heater			
Off mode	Poff	0.009	kW	Dated bast sutput (**)			Γ
Standby mode	Psb	0.009	kW		r sup	3.4	
Thermostat-off mode	Pto	0.041	kW	Type of energy input			
Crankcase heater mode	Pck	0.000	Electrical Heating				
Other items							
Capacity control		variable		For air-to-water heat pumps: Rated air flow rate, outdoors	-	6150	n
Sound power level, indoors/outdoors	L _{WA}	-/71	dB	For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor	-	-	n
				L heat exchanger	1		1

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 Heating UK Ltd. Brooks House, Coventry Road, Warwick, CV34 4LL, UK

Model(s):	16KW 3PH
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 Item		Symbol	Value	Unit	
Rated heat output (*)	Prated	15.2	kW	Seasonal space heating energy efficiency	ηs	106	%
Declared capacity for heating for part load a and outdoor temperature Tj	at indoor tem	perature 20 °C	0	Declared coefficient of performance or prim indoor temperature 20 °C and outdoor te	ary energy ra mperature T	atio for part loa j	ad at
Tj = −7 °C	Pdh	9.6	kW	Tj = -7 °C	COPd	2.38	-
Tj = 2 °C	Pdh	5.6	kW	Tj = 2 °C	COPd	3.31	-
Tj = 7 °C	Pdh	4.0	kW	Tj = 7 °C	COPd	4.47	-
Tj = 12°C	Pdh	1.9	kW	Tj = 12℃	COPd	4.05	-
Tj = bivalent temperature	Pdh	11.6	kW	Tj = bivalent temperature	COPd	1.88	-
Tj = operating limit	Pdh	6.7	kW	Tj = operating limit	COPd	1.10	-
For air-to-water heat pumps: Tj = -15 $^\circ\!\mathrm{C}$	Pdh	10.7	kW	For air-to-water heat pumps: Tj = -15 $^\circ$ C	COPd	1.76	-
Bivalent temperature	Tbiv	-13	°C	For air-to-water heat pumps: Operation limit temperature	TOL	-18	°C
Cycling interval capacity for heating	Pcych	-	kW	Cycling interval efficiency	COPcyc	-	-
Degradation co-efficient (**)	Cdh	0.9		Heating water operating limit temperature	WTOL	44	°C
Power consumption in modes other than ac	ctive mode			Supplementary heater			
Off mode	Poff	0.009	kW	Deted back output (**)			
Standby mode	Psb	0.009	kW	Rated heat output ()	Psup	9.6	kW
Thermostat-off mode	Pto	0.041	kW	Type of energy input			
Crankcase heater mode	Pck	0.000	kW	Type of energy input	Electrical Heating		
Other items	-						
Capacity control		variable		For air-to-water heat pumps: Rated air flow rate, outdoors	-	6150	m³/h
Sound power level, indoors/outdoors	L _{WA}	-/71	dB	For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor	-	-	m³/h
Annual energy consumption	Q _{HE}	13768	kWh	heat exchanger			
For heat pump combination heater:							
Destand load antile			_	Makes besting an arm officiants			

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 Heating UK Ltd. Brooks House, Coventry Road, Warwick, CV34 4LL, UK

Model(s):	16KW 3PH
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	Item	Symbol	
Rated heat output (*)	Prated	15.7	kW	Seasonal space heating energy efficiency	ηs	
Declared capacity for heating for part load and outdoor temperature Tj	at indoor tem	perature 20 °(0	Declared coefficient of performance or prima indoor temperature 20 °C and outdoor ter	ary energy nperature	
Tj = -7 ℃	Pdh	-	kW	Tj = -7 °C	COPd	
Tj = 2 °C	Pdh	14.1	kW	Tj = 2 °C	COPd	
Tj = 7 [°] C	Pdh	10.1	kW	Tj = 7 °C	COPd	
Tj = 12°C	Pdh	4.8	kW	Tj = 12℃	COPd	
Tj = bivalent temperature	Pdh	10.1	kW	Tj = bivalent temperature	COPd	
Tj = operating limit	Pdh	14.1	kW	Tj = operating limit	COPd	
For air-to-water heat pumps: Tj = -15 °C	Pdh	-	kW	For air-to-water heat pumps: Tj = -15 °C	COPd	
Bivalent temperature	Tbiv	7	°C	For air-to-water heat pumps: Operation limit temperature	TOL	
Cycling interval capacity for heating	Pcych	-	kW	Cycling interval efficiency	COPcy	
Degradation co-efficient (**)	Cdh	0.9		Heating water operating limit temperature	WTOL	
Power consumption in modes other than a	ctive mode			Supplementary heater		
Off mode	Poff	0.009	kW	Dated back autout (**)		
Standby mode	Psb	0.009	kW	Rated neat output ("")	Psup	
Thermostat-off mode	Pto	0.041	kW	Type of energy input		
Crankcase heater mode	Pck	0.000	kW		E	
Other items						
Capacity control		variable		For air-to-water heat pumps: Rated air flow rate, outdoors		
Sound power level, indoors/outdoors	L _{WA}	-/71	dB	For water-or brine-to-water heat pumps:		

Q_{HE}

5367

Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj							
Tj = -7 °C	COPd	-	-				
Tj = 2°C	COPd	2.14	-				
Tj = 7 °C	COPd	3.22	-				
Tj = 12 [°] C	COPd	5.46	-				
Tj = bivalent temperature	COPd	3.22	-				
Tj = operating limit	COPd	2.14	-				
For air-to-water heat pumps: Tj = -15 $^\circ$ C	COPd	-	-				
For air-to-water heat pumps: Operation limit temperature	TOL	2	°C				
Cycling interval efficiency	COPcyc	-	-				
Heating water operating limit temperature	WTOL	60	°C				
Supplementary heater							
Rated heat output (**)	Psup	1.6	kW				
Type of energy input	Elec	ctrical Heating					
For air-to-water heat pumps: Rated air flow rate, outdoors	-	6150	m³/h				
For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor	-	_	m³/h				

Value

154

Unit %

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

kWh

heat exchanger

Contact details

Annual energy consumption

BAXI Heating UK Ltd. Brooks House, Coventry Road, Warwick, CV34 4LL, UK

Model(s):			Assure Mond	5						
Outdoor side heat e	exchanger of c	chiller:	Air to water							
Indoor side heat ex	changer chille	r:	Water							
Type: Com			Compressor	driven vapour compres	sion					
Driver of compress	or:		Electric moto	Electric motor						
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit			
Rated cooling	Protodio	4.9	k\M	Seasonal space cooling	n	186	0/6			
capacity	r rated,c	4.5	KVV	energy efficiency	I I _{S,C}	100	70			
Declared cooling c temperature Tj	apacity for pa	rt load at giver	n outdoor	Declared energy eff outdoor temperature	ficiency ratio f e Tj	or part load at	given			
Tj=+35℃	P _{dc}	4.9	kW	Tj=+35℃	EERd	3.01	-			
Tj=+30°C	P _{dc}	3.6	kW	Tj=+30°C	EER₫	4.36	-			
Tj=+25°C	P _{dc}	2.2	kW	Tj=+25°C	EER₫	5.61	-			
Tj=+20°C	P _{dc}	1.0	kW	Tj=+20°C	EERd	5.14	-			
for chillers (*)	C _{dc}	0.9	-							
		Power cons	sumption in mo	des other than "active r	node"					
Off mode	P _{OFF}	0.009	kW	Crankcase heater mode	Рск	0.000	kW			
Thermosat-off mode	Рто	0.004	kW	Standby mode	P _{SB}	0.009	kW			
			Othe	r items						
Capacity control		variable		For air-to-water comfort chillers:						
Sound power level, indoors / outdoors	Lwa	-/61	dB	air flow rate, outdoor measured	-	3050	m ³ /h			
Emissions of nitroger oxides (if applicable)	NO _x (**)	-	mg/kWh input GCV	For water / brine-to-water chillers: Rated brine or			m ³ /h			
GWP of the refrigerant	-	675	kg CO _{2 eq} (100years)	water flow rate, outdoor side heat exchanger	-	-	111-711			
Standard rating cor	nditions used	Low tempera	ature applicatio	n						
Contact details BAXI Heatin Brooks House			ng UK Ltd. se, Coventry	Road, Warwick, CV3	4 4LL, UK					
(*) If Cdc is not de	(*) If Cdc is not determined by measurement then the default degradation coefficient of chillers shall be 0.9.									

Model(s): Assure Mono				5					
Outdoor side heat e	exchanger of c	chiller:	Air to water						
Indoor side heat ex	changer chille	r:	Water						
Type: Compre				driven vapour compres	sion				
Driver of compressor:			Electric moto	r					
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit		
Rated cooling capacity	P _{rated,c}	4.6	kW	Seasonal space cooling energy efficiency	η _{s,c}	301	%		
Declared cooling c temperature Tj	apacity for pa	rt load at giver	n outdoor	Declared energy ef outdoor temperatur	ficiency ratio f e Tj	or part load at	given		
Tj=+35°C	P _{dc}	4.6	kW	Tj=+35°C	EER₫	4.97	-		
Tj=+30°C	P _{dc}	3.4	kW	Tj=+30°C	EER₫	6.96	-		
Tj=+25°C	P _{dc}	2.2	kW	Tj=+25°C	EER₫	9.40	-		
Tj=+20°C	P _{dc}	1.1	kW	Tj=+20°C	EERd	8.50	-		
Degradation co-efficient									
for chillers (*)	C _{dc}	0.9	-						
		Power cons	sumption in mo	des other than "active i	mode"				
Off mode	POFF	0.009	kW	Crankcase heater mode	Рск	0.000	kW		
Thermosat-off mode	Рто	0.004	kW	Standby mode	P _{SB}	0.009	kW		
			Othe	r items					
Capacity control		variable		For air-to-water comfort chillers:		0050			
Sound power level, indoors / outdoors	Lwa	-/61	dB	air flow rate, outdoor measured	-	3050	m³/n		
Emissions of nitroger oxides (if applicable)	NO _x (**)	-	mg/kWh input GCV	For water / brine-to-water chillers: Rated brine or			m ³ /h		
GWP of the refrigerant	-	675	kg CO _{2 eq} (100years)	water flow rate, outdoor side heat exchanger	-	-	III~/N		
Standard rating cor	nditions used	Medium tem	perature applic	cation					
Contact details BAXI Heatin Brooks Hous			ng UK Ltd. se, Coventry	Road, Warwick, CV3	34 4LL, UK				
(*) If Cdc is not determined by measurement then the default degradation coefficient of chillers shall be 0.9.									

Madal(a):			Assure Mono 7						
Outdoor side heat e	exchanger of c	hiller:	Air to water						
Indoor side heat exe	changer chille	r:	Water						
Type: Compre			Compressor	driven vapour compres	sion				
Driver of compressor: Ele			Electric moto	r					
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit		
Rated cooling	P _{rated.c}	6.2	kW	Seasonal space cooling	n _{s c}	196	%		
Declared cooling c	apacity for pa	rt load at giver		Declared energy efficiency	ficiency ratio f	or part load at	aiven		
temperature Tj				outdoor temperatur	e Tj				
Tj=+35℃	P _{dc}	6.2	kW	Tj=+35℃	EER₫	2.78	-		
Tj=+30°C	P _{dc}	4.7	kW	Tj=+30°C	EERd	4.21	-		
Tj=+25°C	P _{dc}	3.0	kW	Tj=+25°C	EER₫	6.10	-		
Tj=+20°C	P _{dc}	1.4	kW	Tj=+20°C	EERd	6.65	-		
Degradation on officient									
for chillers (*)	C _{dc}	0.9	-						
		Power cons	umption in mod	des other than "active r	node"				
Off mode	POFF	0.009	kW	Crankcase heater mode	Рск	0.000	kW		
Thermosat-off mode	Рто	0.002	kW	Standby mode	P _{SB}	0.009	kW		
			Othe	r items					
Capacity control		variable		For air-to-water comfort chillers:		0050	2.4		
Sound power level, indoors / outdoors	Lwa	-/64	dB	air flow rate, outdoor measured	-	3050	m³/n		
Emissions of nitroger oxides (if applicable)	NO _x (**)	-	mg/kWh input GCV	For water / brine-to-water chillers: Rated brine or			m ³ /h		
GWP of the refrigerant	-	675	kg CO _{2 eq} (100years)	water flow rate, outdoor side heat exchanger	-	-	m³/n		
Standard rating con	nditions used	Low tempera	ature applicatio	n					
Contact details BAXI Heatin Brooks Hou			ng UK Ltd. se, Coventry	Road, Warwick, CV3	4 4LL, UK				
(*) If Cdc is not de	(*) If Cdc is not determined by measurement then the default degradation coefficient of chillers shall be 0.9.								

Model(s): Assure Mon				7					
Outdoor side heat e	exchanger of c	chiller:	Air to water						
Indoor side heat ex	changer chille	er:	Water						
Type: Compres			Compressor	driven vapour compres	sion				
Driver of compressor:			Electric moto	r					
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit		
Rated cooling capacity	P _{rated,c}	6.4	kW	Seasonal space cooling energy efficiency	$\eta_{\text{s,c}}$	340	%		
Declared cooling c temperature Tj	apacity for pa	rt load at giver	n outdoor	Declared energy eff outdoor temperature	ficiency ratio f e Tj	or part load at	given		
Tj=+35°C	P _{dc}	6.4	kW	Tj=+35℃	EER₫	4.72	-		
Tj=+30°C	P _{dc}	4.9	kW	Tj=+30°C	EER₫	6.80	-		
Tj=+25°C	P _{dc}	3.1	kW	Tj=+25°C	EER₫	10.70	-		
Tj=+20°C	P _{dc}	1.6	kW	Tj=+20°C	EER₫	12.16	-		
						I			
for chillers (*)	C _{dc}	0.9	-						
		Power cons	sumption in mo	des other than "active r	node"				
Off mode	POFF	0.009	kW	Crankcase heater mode	Рск	0.000	kW		
Thermosat-off mode	P _{TO}	0.002	kW	Standby mode	P _{SB}	0.009	kW		
			Othe	er items					
Capacity control		variable		For air-to-water comfort chillers:		0050			
Sound power level, indoors / outdoors	Lwa	-/64	dB	air flow rate, outdoor measured	-	3050	m~/n		
Emissions of nitroger oxides (if applicable)	NO _x (**)	-	mg/kWh input GCV	For water / brine-to-water chillers: Rated brine or			m ³ /h		
GWP of the refrigerant	-	675	kg CO _{2 eq} (100years)	water flow rate, outdoor side heat exchanger	-	-			
Standard rating cor	nditions used	Medium tem	perature applic	cation					
Contact details		BAXI Heatir Brooks Hou	ng UK Ltd. se, Coventry	Road, Warwick, CV3	84 4LL, UK				
(*) If Cdc is not determined by measurement then the default degradation coefficient of chillers shall be 0,9.									

Model(s):			Assure Mono 9							
Outdoor side heat e	exchanger of c	chiller:	Air to water							
Indoor side heat ex	changer chille	r:	Water							
Туре:			Compressor driven vapour compression							
Driver of compress	or:		Electric moto	r						
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit			
Rated cooling capacity	P _{rated,c}	7.9	kW	Seasonal space cooling energy efficiency	η _{s,c}	194	%			
Declared cooling capacity for part load at given temperature Ti			n outdoor	door Declared energy efficiency ratio for part load a outdoor temperature Ti						
Tj=+35℃	P _{dc}	7.9	kW	Tj=+35℃	EERd	2.39	-			
Tj=+30°C	P _{dc}	5.9	kW	Tj=+30°C	EER₀	3.86	-			
Tj=+25°C	P _{dc}	3.9	kW	Tj=+25°C	EER₫	5.95	-			
Tj=+20°C	P _{dc}	1.7	kW	Tj=+20°C	EERd	7.47	-			
for chillers (*)	C _{dc}	0.9	-							
		Power cons	sumption in mo	des other than "active r	node"					
Off mode	P _{OFF}	0.009	kW	Crankcase heater mode	Рск	0.000	kW			
Thermosat-off mode	Рто	0.003	kW	Standby mode	P _{SB}	0.009	kW			
			Othe	er items						
Capacity control		variable		For air-to-water comfort chillers:		2050				
Sound power level, indoors / outdoors	Lwa	-/67	dB	air flow rate, outdoor measured	-	3050	m°/n			
Emissions of nitroger oxides (if applicable)	NO _x (**)	-	mg/kWh input GCV	For water / brine-to-water chillers: Rated brine or	_	_	m ³ /h			
GWP of the refrigerant	-	675 kg CO2 eq (100years) water flow rate, outdoor side heat exchanger								
Standard rating cor	nditions used	Low tempera	ature applicatio	n						
Contact details BAXI Heati Brooks Hou			ng UK Ltd. se, Coventry	g UK Ltd. se, Coventry Road, Warwick, CV34 4LL, UK						
(*) If Cdc is not determined by measurement then the default degradation coefficient of chillers shall be 0.9.										

Model(s):			Assure Mono 9							
Outdoor side heat e	exchanger of c	chiller:	Air to water	Air to water						
Indoor side heat ex	changer chille	r:	Water							
Туре:			Compressor driven vapour compression							
Driver of compresso	or:		Electric moto	r						
ltem	Symbol	Value	Linit	ltem	Symbol	Value	Linit			
Rated cooling	Symbol	Value	Seasonal space cooling		Symbol	Value	Onit			
capacity	P _{rated,c}	7.9	kW	energy efficiency	η _{s,c}	312	%			
Declared cooling c temperature Tj	apacity for pa	rt load at giver	n outdoor	Declared energy ef outdoor temperatur	ficiency ratio f e Tj	or part load at	given			
Tj=+35°C	P _{dc}	7.9	kW	Tj=+35°C	EER₫	4.17	-			
Tj=+30°C	P _{dc}	6.1	kW	Tj=+30°C	EER₫	6.14	-			
Tj=+25°C	P _{dc}	3.8	kW	Tj=+25°C	EER₫	9.80	-			
Tj=+20°C	P _{dc}	2.0	kW	Tj=+20°C	EER₫	11.53	-			
for chillers (*)	C _{dc}	0.9	-							
		Power cons	sumption in mo	des other than "active i	mode"					
Off mode	POFF	0.009	kW	Crankcase heater mode	Рск	0.000	kW			
Thermosat-off mode	Рто	0.003	kW	Standby mode	P _{SB}	0.009	kW			
			Othe	r items						
Capacity control		variable		For air-to-water comfort chillers:		2050				
Sound power level, indoors / outdoors	Lwa	-/67	dB	air flow rate, outdoor measured	-	3050	m~/n			
Emissions of nitroger oxides (if applicable)	NO _x (**)	-	mg/kWh input GCV	For water / brine-to-water chillers: Rated brine or			m ³ /h			
GWP of the refrigerant	-	675 kg CO2 eq (100years) water flow rate, outdoor side heat exchanger								
Standard rating cor	nditions used	Medium tem	perature applic	ation						
Contact details BAXI Heatin Brooks Hou			g UK Ltd. se, Coventry Road, Warwick, CV34 4LL, UK							
(*) If Cdc is not determined by measurement then the default degradation coefficient of chillers shall be 0,9.										

Model(s):			Assure Mono 12							
Outdoor side heat e	exchanger of c	chiller:	Air to water	Air to water						
Indoor side heat ex	changer chille	r:	Water							
Туре:			Compressor	Compressor driven vapour compression						
Driver of compresso	or:		Electric moto	r						
ltem	Symbol	Value	Lloit	ltem	Symbol	Value	Linit			
Doted cooling	Gymbol				Gymbol					
capacity	P _{rated,c}	11.3	kW	energy efficiency	$\eta_{s,c}$	191	%			
Declared cooling c temperature Tj	apacity for pa	rt load at giver	n outdoor	Declared energy eff outdoor temperature	ficiency ratio f e Tj	or part load at	given			
Tj=+35℃	P _{dc}	11.3	kW	Tj=+35℃	EERd	2.90	-			
Tj=+30°C	P _{dc}	8.1	kW	Tj=+30°C	EER₫	4.05	-			
Tj=+25°C	P _{dc}	5.2	kW	Tj=+25°C	EER₫	5.42	-			
Tj=+20°C	P _{dc}	2.5	kW	Tj=+20°C	EERd	6.73	-			
		-								
Degradation co-efficient for chillers (*)	C_{dc}	0.9	-							
		Power cons	sumption in mo	des other than "active r	node"					
Off mode	POFF	0.009	kW	Crankcase heater mode	Рск	0.000	kW			
Thermosat-off mode	P _{TO}	0.012	kW	Standby mode	P _{SB}	0.009	kW			
			Othe	r items						
Capacity control		variable		For air-to-water comfort chillers:		0450				
Sound power level, indoors / outdoors	Lwa	-/68	dB	air flow rate, outdoor measured	-	6150	m~/n			
Emissions of nitroger oxides (if applicable)	NO _× (**)	-	mg/kWh input GCV	For water / brine-to-water chillers: Rated brine or			m ³ /h			
GWP of the refrigerant	-	675 kg CO ₂ eq (100years) water flow rate, outdoor side heat exchanger								
Standard rating cor	nditions used	Low tempera	ature applicatio	n						
Contact details BAXI Heatin Brooks Hou			g UK Ltd. se, Coventry Road, Warwick, CV34 4LL, UK							
(*) If Cdc is not determined by measurement then the default degradation coefficient of chillers shall be 0,9.										

Model(s):			Assure Mono 12							
Outdoor side heat e	exchanger of o	chiller:	Air to water	Air to water						
Indoor side heat ex	changer chille	r:	Water							
Туре:			Compressor	Compressor driven vapour compression						
Driver of compresso	or:		Electric moto	r						
literer	Cymahal		l la it	ltom	Questo al	Value	l lmit			
item	Symbol	value	Unit	liem	Symbol	value	Unit			
Rated cooling capacity	P _{rated,c}	12.6	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	297	%			
Declared cooling c temperature Tj	apacity for pa	rt load at giver	n outdoor	Declared energy eff outdoor temperatur	ficiency ratio f e Tj	or part load at	given			
Tj=+35°C	P _{dc}	12.6	kW	Tj=+35°C	EER₫	4.74	-			
Tj=+30°C	P _{dc}	8.9	kW	Tj=+30°C	EERd	6.50	-			
Tj=+25°C	P _{dc}	5.9	kW	Tj=+25°C	EER₫	8.65	-			
Tj=+20°C	P _{dc}	3.0	kW	Tj=+20°C	EERd	9.00	-			
Degradation co-efficient for chillers (*)	C_{dc}	0.9	-							
		Power cons	sumption in mo	des other than "active r	node"					
Off mode	POFF	0.009	kW	Crankcase heater mode	Рск	0.000	kW			
Thermosat-off mode	Рто	0.012	kW	Standby mode	P _{SB}	0.009	kW			
			Othe	r items						
Capacity control		variable		For air-to-water comfort chillers:		0450				
Sound power level, indoors / outdoors	Lwa	-/68	dB	air flow rate, outdoor measured	-	6150	m~/n			
Emissions of nitroger oxides (if applicable)	NO _x (**)	-	mg/kWh input GCV	For water / brine-to-water chillers: Rated brine or			m ³ /h			
GWP of the refrigerant	-	675 kg CO _{2 eq} (100years) water flow rate, outdoor side heat exchanger								
Standard rating cor	nditions used	Medium tem	perature applic	cation						
Contact details		BAXI Heatir Brooks Hou	g UK Ltd. se, Coventry Road, Warwick, CV34 4LL, UK							
(*) If Cdc is not determined by measurement then the default degradation coefficient of chillers shall be 0,9.										

		Assure Mono 16								
Model(s):										
Outdoor side heat e	exchanger of c	chiller:	Air to water							
Indoor side heat ex	changer chille	r:	Water							
Туре:			Compressor	Compressor driven vapour compression						
Driver of compresso	or:		Electric moto	r						
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit			
Rated cooling	P _{rated,c}	13.9	kW	Seasonal space cooling energy efficiency	η _{s,c}	178	%			
Declared cooling c temperature Tj	apacity for pa	rt load at giver	n outdoor	Declared energy eff outdoor temperature	ficiency ratio f	or part load at	given			
Tj=+35°C	P _{dc}	13.9	kW	Tj=+35°C	EERd	2.53	-			
Tj=+30°C	P _{dc}	10.5	kW	Tj=+30°C	EER₀	3.81	-			
Tj=+25°C	P _{dc}	6.4	kW	Tj=+25°C	EERd	5.16	_			
Tj=+20°C	P _{dc}	3.1	kW	Tj=+20°C	EERd	6.49	-			
Degradation co-efficient for chillers (*)	C_{dc}	0.9	-							
		Power cons	sumption in mo	des other than "active r	node"					
Off mode	POFF	0.009	kW	Crankcase heater mode	Рск	0.000	kW			
Thermosat-off mode	Рто	0.031	kW	Standby mode	P _{SB}	0.009	kW			
			Othe	er items						
Capacity control		variable		For air-to-water comfort chillers:		0450				
Sound power level, indoors / outdoors	Lwa	-/71	dB	air flow rate, outdoor measured	-	6150	m³/n			
Emissions of nitroger oxides (if applicable)	NO _x (**)	-	mg/kWh input GCV	For water / brine-to-water chillers: Rated brine or	_	_	m ³ /h			
GWP of the refrigerant	-	675 kg CO ₂ eq (100years) water flow rate, outdoor side heat exchanger								
Standard rating cor	nditions used	Low tempera	ature applicatio	n						
Contact details BAXI Heatin Brooks Hou			g UK Ltd. se, Coventry Road, Warwick, CV34 4LL, UK							
(*) If Cdc is not determined by measurement then the default degradation coefficient of chillers shall be 0,9.										

Model(s):			Assure Mono 16							
Outdoor side heat e	exchanger of c	chiller:	Air to water	Air to water						
Indoor side heat ex	changer chille	r:	Water							
Туре:			Compressor driven vapour compression							
Driver of compresso	or:		Electric moto	r						
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit			
Rated cooling capacity	P _{rated,c}	15.3	kW	Seasonal space cooling energy efficiency	η _{s,c}	268	%			
Declared cooling c temperature Tj	apacity for pa	rt load at giver	n outdoor	Declared energy ef outdoor temperatur	ficiency ratio f e Tj	or part load at	given			
Tj=+35°C	P _{dc}	15.3	kW	Tj=+35°C	EER₫	4.19	-			
Tj=+30°C	P _{dc}	11.3	kW	Tj=+30°C	EER₫	5.94	-			
Tj=+25°C	P _{dc}	7.2	kW	Tj=+25°C	EER₫	7.98	-			
Tj=+20°C	P _{dc}	3.4	kW	Tj=+20°C	EER₫	8.27	-			
for chillers (*)	C _{dc}	0.9	-							
		Power cons	sumption in mo	des other than "active i	mode"					
Off mode	POFF	0.009	kW	Crankcase heater mode	Рск	0.000	kW			
Thermosat-off mode	Рто	0.031	kW	Standby mode	P _{SB}	0.009	kW			
			Othe	er items						
Capacity control		variable		For air-to-water comfort chillers:		0450				
Sound power level, indoors / outdoors	Lwa	-/71	dB	air flow rate, outdoor measured	-	6150	m³/n			
Emissions of nitroger oxides (if applicable)	NO _x (**)	-	mg/kWh input GCV	For water / brine-to-water chillers: Rated brine or			m ³ /h			
GWP of the refrigerant	-	675 kg CO2 eq (100years) water flow rate, outdoor side heat exchanger								
Standard rating cor	nditions used	Medium tem	perature applic	cation						
Contact details BAXI Heatin Brooks Hou			ng UK Ltd. se, Coventry	g UK Ltd. se, Coventry Road, Warwick. CV34 4LL, UK						
(*) If Cdc is not determined by measurement then the default degradation coefficient of chillers shall be 0,9.										

Model(s):			12KW 3PH						
Outdoor side heat e	exchanger of c	chiller:	Air to water						
Indoor side heat ex	changer chille	er:	Water						
Туре:			Compressor	driven vapour compres	sion				
Driver of compress	or:		Electric moto	or					
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit		
Rated cooling capacity	P _{rated,c}	11.3	kW	Seasonal space cooling energy efficiency	$\eta_{\text{s,c}}$	191	%		
Declared cooling of temperature Tj	apacity for pa	rt load at giver	n outdoor	Declared energy eff outdoor temperatur	ficiency ratio f e Tj	or part load at	given		
Tj=+35°C	P _{dc}	11.3	kW	Tj=+35°C	EER₫	2.90	-		
Tj=+30°C	P _{dc}	8.1	kW	Tj=+30°C	EER₀	4.05	-		
Tj=+25°C	P _{dc}	5.2	kW	kW Tj=+25°C		5.42	-		
Tj=+20°C	P _{dc}	2.5	kW	Tj=+20°C	EERd	6.73	-		
					<u>.</u>				
Degradation co-efficient for chillers (*)	C_{dc}	0.9	-						
		Power cons	sumption in mo	des other than "active r	node"				
Off mode	P _{OFF}	0.009	kW	Crankcase heater mode	Рск	0.000	kW		
Thermosat-off mode	Рто	0.012	kW	Standby mode	P _{SB}	0.009	kW		
			Othe	er items					
Capacity control		variable		For air-to-water comfort chillers:		0450	2.0		
Sound power level, indoors / outdoors	Lwa	-/68	dB	air flow rate, outdoor measured	-	6150	m³/n		
Emissions of nitroger oxides (if applicable)	NO _x (**)	-	mg/kWh input GCV	For water / brine-to-water chillers: Rated brine or			m ³ /h		
GWP of the refrigerant	-	675	-	111711					
Standard rating cor	nditions used	Low tempera	ature applicatio	n					
Contact details		BAXI Heatir Brooks Hou	ng UK Ltd. se, Coventry	g UK Ltd. se. Coventry Road. Warwick. CV34 4LL. UK					
(*) If Cdc is not determined by measurement then the default degradation coefficient of chillers shall be 0.9.									

Model(s):			12KW 3PH								
Outdoor side heat e	exchanger of c	chiller:	Air to water	Air to water							
Indoor side heat ex	changer chille	r:	Water								
Туре:			Compressor	Compressor driven vapour compression							
Driver of compresso	or:		Electric moto	r							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit				
Rated cooling capacity	P _{rated,c}	12.6	kW	Seasonal space cooling energy efficiency	η _{s,c}	297	%				
Declared cooling capacity for part load at given outdoor temperature Tj			n outdoor	Declared energy eff outdoor temperature	ficiency ratio f e Tj	or part load at	given				
Tj=+35°C	P _{dc}	12.6	kW	Tj=+35°C	EERd	4.74	-				
Tj=+30°C	P _{dc}	8.9	kW	Tj=+30°C	EERd	6.50	-				
Tj=+25°C	P _{dc}	5.9	kW	Tj=+25°C	EERd	8.65	-				
Tj=+20°C	P _{dc}	3.0	kW	Tj=+20°C	EERd	9.00	-				
Demodeline ex officient											
for chillers (*)	C _{dc}	0.9	-								
		Power cons	sumption in mo	des other than "active r	node"						
Off mode	POFF	0.009	kW	Crankcase heater mode	Рск	0.000	kW				
Thermosat-off mode	Рто	0.012	kW	Standby mode	P _{SB}	0.009	kW				
			Othe	r items							
Capacity control		variable		For air-to-water comfort chillers:		0450					
Sound power level, indoors / outdoors	Lwa	-/68	dB	air flow rate, outdoor measured	-	6150	m³/n				
Emissions of nitroger oxides (if applicable)	NO _x (**)	-	mg/kWh input GCV	For water / brine-to-water chillers: Rated brine or			m ³ /h				
GWP of the refrigerant	-	675 kg CO _{2 eq} (100years) water flow rate, outdoor side heat exchanger									
Standard rating cor	nditions used	Medium tem	perature applic	ation							
Contact details		BAXI Heatir Brooks Hou	ng UK Ltd. se, Coventry	Road, Warwick, CV3	4 4LL, UK						
(*) If Cdc is not determined by measurement then the default degradation coefficient of chillers shall be 0,9.											

Model(s):			16KW 3PH						
Outdoor side heat e	exchanger of c	chiller:	Air to water						
Indoor side heat ex			Water						
			Comprossor	driven veneur compres	nion				
туре. 			Compressor		51011				
Driver of compresso	or:		Electric motor						
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit		
Rated cooling capacity	P _{rated,c}	13.9	kW	Seasonal space cooling energy efficiency	η _{s,c}	178	%		
Declared cooling capacity for part load at given outdoor temperature Ti			n outdoor	Declared energy eff outdoor temperature	ficiency ratio f e Tj	or part load at	given		
Tj=+35°C	P _{dc}	13.9	kW	Tj=+35°C	EERd	2.53	-		
Tj=+30°C	P _{dc}	10.5	kW	Tj=+30°C	EER₫	3.81	-		
Tj=+25°C	P _{dc}	6.4	kW	Tj=+25°C	EERd	5.16	-		
Tj=+20°C	P _{dc}	3.1	kW	Tj=+20°C	EERd	6.49			
Degradation co-efficient									
for chillers (*)		0.9	-						
		Power cons	sumption in mo	des other than "active r	node"				
Off mode	POFF	0.009	kW	Crankcase heater mode	Рск	0.000	kW		
Thermosat-off mode	P _{TO}	0.031	kW	Standby mode	P _{SB}	0.009	kW		
			Othe	r items					
Capacity control		variable		For air-to-water comfort chillers:		0450			
Sound power level, indoors / outdoors	Lwa	-/71	dB	air flow rate, outdoor measured	-	0150	111-711		
Emissions of nitroger oxides (if applicable)	NO _x (**)	-	mg/kWh input GCV	For water / brine-to-water chillers: Rated brine or	_	_	m ³ /h		
GWP of the refrigerant	-	675 kg CO _{2 eq} (100years) water flow rate, outdoor side heat exchanger							
Standard rating con	iditions used	Low tempera	ature applicatio	n					
Contact details BAXI Heatin Brooks Hou			g UK Ltd. se, Coventry Road, Warwick, CV34 4LL, UK						
(*) If Cdc is not determined by measurement then the default degradation coefficient of chillers shall be 0,9.									

Model(s):			16KW 3PH							
Outdoor side heat e	exchanger of c	chiller:	Air to water	Air to water						
Indoor side heat ex	changer chille	er:	Water							
Туре:	be:			Compressor driven vapour compression						
Driver of compress	or:		Electric moto	r						
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 c temperature Tj	apacity for pa	rt load at giver	n outdoor	Declared energy eff outdoor temperatur	ficiency ratio f e Tj	or part load at	given			
Tj=+35℃	P _{dc}	15.3	kW	Tj=+35℃	EER₀	4.19	-			
Tj=+30°C	P _{dc}	11.3	kW	Tj=+30°C	EER₫	5.94	-			
Tj=+25°C	P _{dc}	7.2	kW	Tj=+25°C	EER₫	7.98	-			
Tj=+20°C	P _{dc}	3.4	kW	Tj=+20°C	EERd	8.27	-			
Degradation co-efficient for chillers (*)	C_{dc}	0.9	-							
		Power cons	sumption in mo	des other than "active r	node"					
Off mode	Poff	0.009	kW	Crankcase heater mode	Рск	0.000	kW			
Thermosat-off mode	Рто	0.031	kW	Standby mode	P _{SB}	0.009	kW			
			Othe	er items						
Capacity control		variable		For air-to-water comfort chillers:			.			
Sound power level, indoors / outdoors	Lwa	-/71	dB	air flow rate, outdoor measured	-	6150	m³/h			
Emissions of nitroger oxides (if applicable)	NO _x (**)	-	mg/kWh input GCV	For water / brine-to-water chillers: Rated brine or			m ³ /h			
GWP of the refrigerant	-	675 kg CO2 eq (100years) water flow rate, outdoor side heat exchanger								
Standard rating cor	nditions used	Medium tem	perature applic	cation						
Contact details BAXI Heatin Brooks Hou			ng UK Ltd. se, Coventry	g UK Ltd. se, Coventry Road, Warwick, CV34 4LL, UK						
(*) If Cdc is not determined by measurement then the default degradation coefficient of chillers shall be 0,9.										

	Mode			Heatir	ıg		Cooling	
Model	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
	Capacity /W	4650	4800	4650	4600	4900	4600	4850
Assure Mono 5	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
	Capacity /W	6650	6700	6800	6200	6450	6450	6300
Assure Mono 7	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
	Capacity /W	8600	8600	8600	7100	7500	8000	7950
Assure Mono 9	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
	Capacity /W	12300	12400	11900	12200	12000	12200	10900
Assure Mono 12	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
	Capacity /W	16300	16200	16100	15000	13500	15500	13800
Assure Mono 16	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
	Capacity /W	12300	12400	11900	12200	12000	12200	10900
12KW 3PH	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
	Capacity /W	16300	16200	16100	15000	13500	15500	13800
16KW 3PH	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

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