

BIBLOC UNIT - AEROTHERM V17

Technical Data Manual







Product Fiche

Import: SALVADOR ESCODA SA

Address: C/ PROVENZA 392 P2 08025 BARCELONA (SPAIN)

М	odels		Sound	Med	dium-tempe	rature applica	tion	L	ow-tempera	ture application	on
Outdoor unit	Indoor unit	Climate condition	power level(indoor/ outdoor), L_{WA} [dB]	Rated heat output [kW]	Energy efficiency	Annual energy consumption [kWh]	Energy efficiency classes	Rated heat output [kW]	Energy efficiency	Annual energy consumption [kWh]	Energy efficiency classes
UE BIBLOC	UI BIBLOC	Average	43 / 62	4	127%	2709	A++	4	182%	1943	A+++
AEROTHERM	AEROTHERM	Colder	1	4	100%	3890	/	4	130%	11711	/
V17 (4KW)	V17 (4 ~ 8KW)	Warmer	1	4	169%	1055	/	4	172%	4058	/
UE BIBLOC	UI BIBLOC	Average	43 / 66	6	129%	3888	A++	6	184%	2659	A+++
AEROTHERM	AEROTHERM	Colder	1	6	104%	5650	/	6	130%	11711	/
V17 (6KW)	V17 (4 ~ 8KW)	Warmer	1	6	178%	1505	1	6	172%	4058	/
UE BIBLOC	UI BIBLOC	Average	43 / 69	7	125%	4475	A++	8	170%	3794	A++
AEROTHERM	AEROTHERM	Colder	1	7	110%	6054	/	8	149%	5133	/
V17 (8KW)	V17 (4 ~ 8KW)	Warmer	1	7	154%	2075	/	8	232%	1561	/
UE BIBLOC	UI BIBLOC	Average	45 / 67	10	122%	6953	A+	10	177%	4568	A+++
AEROTHERM	AEROTHERM	Colder	1	10	98%	9931	/	10	136%	7403	/
V17 (10KW)	V17 (10 ~ 16KW)	Warmer	1	10	167%	2744	/	10	242%	1859	/
UE BIBLOC	UI BIBLOC	Average	45 / 68	12	127%	7835	A++	12	175%	5561	A++
AEROTHERM	AEROTHERM	Colder	1	12	99%	11694	/	12	144%	8065	/
V17 (12KW)	V17 (10 ~ 16KW)	Warmer	1	12	170%	3151	/	12	246%	2229	/
UE BIBLOC	UI BIBLOC	Average	45 / 71	14	128%	8692	A++	14	168%	6714	A++
AEROTHERM	AEROTHERM	Colder	1	14	103%	13314	/	14	132%	10310	/
V17 (14KW)	V17 (10 ~ 16KW)	Warmer	1	14	165%	3780	/	14	211%	2971	/
UE BIBLOC	UI BIBLOC	Average	45 / 72	15	124%	9697	A+	16	158%	8265	A++
AEROTHERM	AEROTHERM	Colder	1	15	98%	14451	1	16	130%	11711	/
V17 (16KW)	V17 (10 ~ 16KW)	Warmer	/	15	178%	3839	/	16	211%	3429	/
UE BIBLOC	UI BIBLOC	Average	45 / 70	12	126%	7630	A++	12	179%	5499	A+++
AEROTHERM V17 (12KW)	AEROTHERM V17 (10 ~ 16KW)	Colder	/	12	100%	11507	/	12	142%	7953	/
(TRIF.)	(TRIF.)	Warmer	1	12	169%	3190	/	12	245%	2220	/
UE BIBLOC	UI BIBLOC	Average	45 / 72	14	129%	8733	A++	14	182%	6304	A+++
AEROTHERM V17 (14KW)	AEROTHERM V17 (10 ~ 16KW)	Colder	1	14	103%	13120	/	14	130%	10154	/
(TRIF.)	(TRIF.)	Warmer	1	14	165%	3807	/	14	212%	2957	/
UE BIBLOC	UI BIBLOC	Average	45 / 72	15	128%	9394	A++	16	172%	7405	A++
AEROTHERM V17 (16KW)	AEROTHERM V17 (10 ~ 16KW)	Colder	1	15	101%	14002	/	16	131%	11626	/
(TRIF.)	(TRIF.)	Warmer	/	15	178%	3813	/	16	210%	3435	/

Specific precautions when the space heater is assembled, installed or maintained:

- (1) This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- (2) Turn off the main power supply switch or breaker before attempting any electrical work. Make sure all power switches are off. Failure to do so may cause electric shock.
- (3) Perform installation work properly according to the Installation Manual.
- (4) Install the heat pump securely in a location where the base can sustain the weight adequately. Perform the specified installation work to guard against an earthquake. If the heat pump is not installed appropriately, accidents may occur due to the falling units.
- (5) Conform to the regulations of the local electric company when wiring the power supply. Inappropriate grounding may cause electric shock.
- (6) Before cleaning, be sure to stop the operation, turn the breaker off or pull out the supply cord.
- (7) Do not operate the heat pump with a wet hand.
- (8) Never touch the internal parts of the units.
- (9) The company reserves the right to revise product technical parameter without having to notify the clients individually.

Model(s):		l	JE BIBLOC AE	ROTHERM V17 (4KW) / UI BIBLO	C AEROTHER	M V17 (4 ~ 8KW))
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 he	ater:			YES			
Heat pump combination heater:				NO			
Declared climate condition:				AVERAGE			
Parameters are declared for mediu	m-temperatu	re application.					
tem	Symbol	Value	Unit	Item	Symbol	Value	ι
Rated heat output (*)	Prated	4	kW	Seasonal space heating energy efficiency	ηs	127	
Declared capacity for heating for pand outdoor temperature Tj	part load at	indoor tempera	ature 20 °C	Declared coefficient of perform indoor temperature 20 °C and			part lo
Tj = -7℃	Pdh	3.8	kW	Tj = -7℃	COPd	1.98	
Tj = 2°C	Pdh	2.4	kW	Tj = 2°C	COPd	3.13	
Tj = 7°C	Pdh	1.6	kW	Tj = 7 C	COPd	4.31	
Tj = 12 C	Pdh	1.6	kW	Tj = 12 C	COPd	6.62	
Tj = bivalent temperature	Pdh	4.3	kW	Tj = bivalent temperature	COPd	1.81	
Tj = operating limit	Pdh	4.3	kW	Tj = operating limit	COPd	1.81	
For air-to-water heat pumps: Tj = -15℃	Pdh	-	kW	For air-to-water heat pumps: Tj = -15 $^{\circ}$ C	COPd	-	
Bivalent temperature	T _{biv}	-10	°C	For air-to-water heat pumps: Operation limit temperature	TOL	-10	
Cycling interval capacity for heating	P _{cych}	-	kW	Cycling interval efficiency	COP _{cyc}	-	
Degradation co-efficient (**)	C _{dh}	0.9		Heating water operating limit temperature	W _{TOL}	60	
Power consumption in modes othe	r than activ	e mode		Supplementary heater			
Off mode	P _{off}	0.019	kW	Datad back subsub (**)	Davis	0	
Standby mode	P _{sb}	0.019	kW	Rated heat output (**)	Psup	0	
Thermostat-off mode	P _{to}	0.051	kW	Type of energy input		Electrical	
Crankcase heater mode	P _{ck}	0.014	kW	,, o, ,			
Other items							
Capacity control		variable		For air-to-water heat pumps: Rated air flow rate, outdoors	_	3180	n
Sound power level, indoors/ outdoors	L _{WA}	43 / 62	dB	For water- or brine-to-water heat pumps: Rated brine or		-	n
Annual energy consumption	Q _{HE}	2709	kWh	water flow rate, outdoor heat exchanger			
For heat pump combination heater	:						
Declared load profile		-		Water heating energy efficiency	η_{wh}	-	
Daily electricity consumption	Q _{elec}	-	kWh	Daily fuel consumption	Q _{fuel}	-	k
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	

			recinic	al parameters			
Model(s):		UE	BIBLOC AERO	OTHERM V17 (4KW) / UI BIBLOC	AEROTHERM	1 V17 (4 ~ 8KW)	
Air-to-water heat pump:				YES		, ,	
Nater-to-water heat pump:				NO			
Brine-to-water heat pump:				NO			
_ow-temperature heat pump:				NO			
Equipped with a supplementary h	eater:			YES			
Heat pump combination heater:				NO			
Declared climate condition:				COLDER			
Parameters are declared for medi	um-temperatu	re application.					
tem	Symbol	Value	Unit	Item	Symbol	Value	Uni
Rated heat output (*)	Prated	4	kW	Seasonal space heating energy efficiency	ηs	100	%
Declared capacity for heating for and outdoor temperature Tj	part load at	indoor tempera	L ature 20 °C	Declared coefficient of perform indoor temperature 20 °C and			part load
Гj = -7°С	Pdh	3.8	kW	Tj = -7 °C	COPd	2.18	-
Г ј = 2 С	Pdh	2.4	kW	Tj = 2 °C	COPd	3.17	-
гj = 7°С	Pdh	1.9	kW	Tj = 7°C	COPd	4.61	-
rj = 12°C	Pdh	1.6	kW	Tj = 12°C	COPd	7.05	-
rj = bivalent temperature	Pdh	3.0	kW	Tj = bivalent temperature	COPd	1.95	-
rj = operating limit	Pdh	3.5	kW	Tj = operating limit	COPd	1.32	-
For air-to-water heat pumps: Γι = -15 C	Pdh	-	kW	For air-to-water heat pumps:	COPd	-	-
Bivalent temperature	T _{biv}	-12	°C	For air-to-water heat pumps:	TOL	-20	°C
Cycling interval capacity for	P _{cych}	_	kW	Operation limit temperature Cycling interval efficiency	COP _{cyc}	_	-
neating Degradation co-efficient (**)	C _{dh}	0.9		Heating water operating limit	W _{TOL}	60	°C
			-	temperature	VV TOL	00	
Power consumption in modes oth	er than activ	e mode		Supplementary heater			
Off mode	P _{off}	0.019	kW	Rated heat output (**)	Psup	4.1	kW
Standby mode	P _{sb}	0.019	kW				
Thermostat-off mode Crankcase heater mode	P _{to}	0.051 0.014	kW kW	Type of energy input		Electrical	
	i ck	0.014	KVV				
Other items							
Capacity control		variable		For air-to-water heat pumps: Rated air flow rate, outdoors	_	3180	m³/
Sound power level, indoors/ outdoors	L _{WA}	-	dB	For water- or brine-to-water heat pumps: Rated brine or		-	m³/
Annual energy consumption	Q _{HE}	3890	kWh	water flow rate, outdoor heat exchanger			
For heat pump combination heate	er:						
Declared load profile		-		Water heating energy efficiency	η_{wh}	-	%
Daily electricity consumption	Q _{elec}	-	kWh	Daily fuel consumption	Q _{fuel}	-	kW
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	G
		R ESCODA SA					

Model(s):		l	JE BIBLOC AE	EROTHERM V17 (4KW) / UI BIBLO	C AEROTHERI	M V17 (4 ~ 8KW))
Air-to-water heat pump:				YES			
Water-to-water heat pump:				NO NO			
Brine-to-water heat pump:				NO NO			
Low-temperature heat pump:	otor:			NO YES			
Equipped with a supplementary hed Heat pump combination heater:	ater.			NO NO			
Declared climate condition:				WARMER			
Parameters are declared for mediu	m-temperatu	re application		VV II XVIII X			
ltem	Symbol	Value	Unit	Item	Symbol	Value	U
Rated heat output (*)	Prated	4	kW	Seasonal space heating energy efficiency	ηs	169	9,
Declared capacity for heating for p and outdoor temperature Tj	part load at	indoor temper	ature 20 °C	Declared coefficient of perform indoor temperature 20 °C and			part loa
Tj = -7 °C	Pdh	-	kW	Tj = -7 °C	COPd	-	
Tj = 2°C	Pdh	4.0	kW	тј = 2℃	COPd	2.28	
Tj = 7 °C	Pdh	3.0	kW	тј = 7℃	COPd	3.40	
Tj = 12 °C	Pdh	1.8	kW	Tj = 12 °C	COPd	7.10	
Tj = bivalent temperature	Pdh	4.0	kW	Tj = bivalent temperature	COPd	2.28	
Tj = operating limit	Pdh	4.0	kW	Tj = operating limit	COPd	2.28	
For air-to-water heat pumps: Tj = -15 C	Pdh	-	kW	For air-to-water heat pumps: Tj = -15 \odot	COPd	-	
Bivalent temperature	T _{biv}	2	°C	For air-to-water heat pumps: Operation limit temperature	TOL	2	٥
Cycling interval capacity for heating	P _{cych}	-	kW	Cycling interval efficiency	COP _{cyc}	-	
Degradation co-efficient (**)	C _{dh}	0.9	-	Heating water operating limit temperature	W _{TOL}	60	٥
Power consumption in modes othe	r than activ	e mode		Supplementary heater	<u> </u>		
Off mode	P _{off}	0.019	kW	Rated heat output (**)	Psup	0	k
Standby mode	P _{sb}	0.019	kW	react near output ()	Т Зир	Ü	
Thermostat-off mode	P _{to}	0.051	kW	Type of energy input		Electrical	
Crankcase heater mode	P _{ck}	0.014	kW				
Other items					T		
Capacity control		variable		For air-to-water heat pumps: Rated air flow rate, outdoors	_	3180	m
Sound power level, indoors/ outdoors	L _{WA}	-	dB	For water- or brine-to-water heat pumps: Rated brine or		_	m ³
Annual energy consumption	Q _{HE}	1055	kWh	water flow rate, outdoor heat exchanger			
For heat pump combination heater:	:						
Declared load profile		-		Water heating energy efficiency	η_{wh}	-	Q
Daily electricity consumption	Q _{elec}	-	kWh	Daily fuel consumption	Q _{fuel}	-	k\
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	G
	1			· ·			

			Technic	al parameters			
Model(s):		UE	BIBLOC AERO	OTHERM V17 (6KW) / UI BIBLOC	AEROTHERM	1 V17 (4 ~ 8KW)	
Air-to-water heat pump:				YES			
Nater-to-water heat pump:				NO			
Brine-to-water heat pump:				NO			
_ow-temperature heat pump:				NO			
Equipped with a supplementary h	neater:			YES			
Heat pump combination heater:				NO			
Declared climate condition:				AVERAGE			
Parameters are declared for med	ium-temperatu	re application.					
tem	Symbol	Value	Unit	Item	Symbol	Value	Uni
Rated heat output (*)	Prated	6	kW	Seasonal space heating energy efficiency	ηs	129	%
Declared capacity for heating for and outdoor temperature Tj	part load at	indoor tempera	ature 20 °C	Declared coefficient of perform indoor temperature 20 °C and			part load
Γj = -7 ℃	Pdh	5.0	kW	Tj = -7℃	COPd	2.04	-
ГЈ = 2°С	Pdh	3.4	kW	Tj = 2 C	COPd	3.16	-
гj = 7°С	Pdh	2.2	kW	Tj = 7°C	COPd	4.66	_
rj = 12°C	Pdh	1.6	kW	Tj = 12℃	COPd	7.05	-
rj = bivalent temperature	Pdh	5.0	kW	Tj = bivalent temperature	COPd	2.16	-
rj = operating limit	Pdh	4.4	kW	Tj = operating limit	COPd	1.73	-
For air-to-water heat pumps:	Pdh	-	kW	For air-to-water heat pumps:	COPd	-	-
Bivalent temperature	T _{biv}	-5	°C	For air-to-water heat pumps:	TOL	-10	°C
Cycling interval capacity for	P _{cych}	_	kW	Operation limit temperature Cycling interval efficiency	COP _{cyc}	_	-
neating Degradation co-efficient (**)	C _{dh}	0.9		Heating water operating limit	W _{TOL}	60	°C
				temperature	VV TOL	00	
Power consumption in modes otl	ner than activ	e mode		Supplementary heater			
Off mode	P _{off}	0.019	kW	Rated heat output (**)	Psup	1.9	kW
Standby mode	P _{sb}	0.019	kW	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,		
Thermostat-off mode Crankcase heater mode	P _{to}	0.051	kW kW	Type of energy input		Electrical	
	i ck	0.014	KVV				
Other items							
Capacity control		variable		For air-to-water heat pumps: Rated air flow rate, outdoors	_	3180	m³/
Sound power level, indoors/ outdoors	L _{WA}	43 / 66	dB	For water- or brine-to-water heat pumps: Rated brine or		_	m³/
Annual energy consumption	Q _{HE}	3888	kWh	water flow rate, outdoor heat exchanger			
For heat pump combination heat	er:						
Declared load profile		-		Water heating energy efficiency	η_{wh}	-	%
Daily electricity consumption	Q _{elec}	-	kWh	Daily fuel consumption	Q _{fuel}	-	kW
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	GJ
Contact details	SALVADOR	R ESCODA SA					

Model(s):		l	JE BIBLOC AE	ROTHERM V17 (6KW) / UI BIBLO	C AEROTHERI	M V17 (4 ~ 8KW)
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 he	ater:			YES			
Heat pump combination heater:				NO			
Declared climate condition:				COLDER			
Parameters are declared for mediu	m-temperatu	re application.					
tem	Symbol	Value	Unit	Item	Symbol	Value	L
Rated heat output (*)	Prated	6	kW	Seasonal space heating energy efficiency	ηѕ	104	Ç
Declared capacity for heating for pand outdoor temperature Tj	part load at	indoor tempera	ature 20 °C	Declared coefficient of perform indoor temperature 20 °C and			part lo
тј = -7℃	Pdh	3.8	kW	Tj = -7 ℃	COPd	2.18	
Tj = 2°C	Pdh	2.4	kW	Tj = 2 °C	COPd	3.17	
Tj = 7 C	Pdh	1.9	kW	Tj = 7 C	COPd	4.61	
Tj = 12 C	Pdh	1.6	kW	Tj = 12 C	COPd	7.05	
Tj = bivalent temperature	Pdh	4.5	kW	Tj = bivalent temperature	COPd	1.90	
Tj = operating limit	Pdh	3.5	kW	Tj = operating limit	COPd	1.32	
For air-to-water heat pumps: Tj = -15 C	Pdh	-	kW	For air-to-water heat pumps: Tj = -15 $^{\circ}$	COPd	-	
Bivalent temperature	T _{biv}	-12	°C	For air-to-water heat pumps: Operation limit temperature	TOL	-20	٥
Cycling interval capacity for heating	P _{cych}	-	kW	Cycling interval efficiency	COP _{cyc}	-	
Degradation co-efficient (**)	C _{dh}	0.9	-	Heating water operating limit temperature	W _{TOL}	60	c
Power consumption in modes othe	r than activ	e mode		Supplementary heater	!		
Off mode	P _{off}	0.019	kW	Dated heat output (**)	Down	0.4	
Standby mode	P _{sb}	0.019	kW	Rated heat output (**)	Psup	6.1	k
Thermostat-off mode	P _{to}	0.051	kW	Type of energy input		Electrical	
Crankcase heater mode	P _{ck}	0.014	kW	,, o, ,			
Other items							
Capacity control		variable		For air-to-water heat pumps: Rated air flow rate, outdoors	_	3180	m
Sound power level, indoors/ outdoors	L _{WA}	-	dB	For water- or brine-to-water heat pumps: Rated brine or		_	m
Annual energy consumption	Q _{HE}	5650	kWh	water flow rate, outdoor heat exchanger			
For heat pump combination heater:	:						
Declared load profile		-		Water heating energy efficiency	η_{wh}	-	
Daily electricity consumption	Q _{elec}	-	kWh	Daily fuel consumption	Q _{fuel}	-	k
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	(
-		R ESCODA SA					

			Technic	al parameters			
Model(s):		UE	BIBLOC AERO	OTHERM V17 (6KW) / UI BIBLOC	AEROTHERM	V17 (4 ~ 8KW)	
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 he	eater:			YES			
Heat pump combination heater:				NO			
Declared climate condition:				WARMER			
Parameters are declared for media	um-temperatu	re application.					
Item	Symbol	Value	Unit	Item	Symbol	Value	Uni
Rated heat output (*)	Prated	6	kW	Seasonal space heating energy efficiency	ηs	178	%
Declared capacity for heating for and outdoor temperature Tj	part load at	indoor tempera	ature 20 °C	Declared coefficient of perform indoor temperature 20 °C and			part load
Tj = -7℃	Pdh	-	kW	Tj = -7°C	COPd	-	-
Tj = 2°C	Pdh	6.0	kW	Tj = 2 C	COPd	2.32	-
тj = 7°С	Pdh	4.0	kW	Tj = 7℃	COPd	3.52	-
Tj = 12°C	Pdh	1.8	kW	Tj = 12°C	COPd	7.10	-
Tj = bivalent temperature	Pdh	6.0	kW	Tj = bivalent temperature	COPd	2.32	-
Tj = operating limit	Pdh	6.0	kW	Tj = operating limit	COPd	2.32	-
For air-to-water heat pumps:	Pdh	-	kW	For air-to-water heat pumps: Tj = -15 $^{\circ}$ C	COPd	-	-
Bivalent temperature	T _{biv}	2	°C	For air-to-water heat pumps: Operation limit temperature	TOL	2	°C
Cycling interval capacity for heating	P _{cych}	-	kW	Cycling interval efficiency	COP _{cyc}	-	-
Degradation co-efficient (**)	C _{dh}	0.9		Heating water operating limit temperature	W _{TOL}	60	°C
Power consumption in modes other	er than activ	e mode		Supplementary heater	<u>'</u>		
Off mode	P _{off}	0.019	kW				
Standby mode	P _{sb}	0.019	kW	Rated heat output (**)	Psup	0	kW
Thermostat-off mode	P _{to}	0.051	kW	Type of energy input		Electrical	
Crankcase heater mode	P _{ck}	0.014	kW	1790 of chergy input		Liconical	
Other items							
Capacity control		variable		For air-to-water heat pumps: Rated air flow rate, outdoors	_	3180	m³/
Sound power level, indoors/ outdoors	L _{WA}	-	dB	For water- or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat	_	-	m³/
Annual energy consumption	Q _{HE}	1505	kWh	exchanger			
For heat pump combination heate	r:						
Declared load profile		-		Water heating energy efficiency	η_{wh}	-	%
Daily electricity consumption	Q _{elec}	-	kWh	Daily fuel consumption	Q _{fuel}	-	kW
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	G
		ESCODA SA					

			Technic	al parameters			
Model(s):		l	JE BIBLOC AI	EROTHERM V17 (8KW) / UI BIBLO	OC AEROTHERM	V17 (4 ~ 8KW)
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:			YES			
Heat pump combination heater:				NO			
Declared climate condition:				AVERAGE			
Parameters are declared for med	dium-temperatu	re application.					
		_	_				
ltem	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	7	kW	Seasonal space heating energy efficiency	ηs	125	%
Declared capacity for heating for and outdoor temperature Tj	r part load at	indoor tempera	ature 20 °C	Declared coefficient of perform indoor temperature 20 °C and			part load at
Tj = -7°C	Pdh	6.1	kW	Tj = -7℃	COPd	2.00	-
Tj = 2°C	Pdh	3.8	kW	Tj = 2°C	COPd	3.10	-
Tj = 7℃	Pdh	2.5	kW	Tj = 7°C	COPd	4.28	-
Tj = 12 °C	Pdh	2.2	kW	Tj = 12°C	COPd	6.53	-
Tj = bivalent temperature	Pdh	6.1	kW	Tj = bivalent temperature	COPd	2.00	-
Tj = operating limit	Pdh	6.2	kW	Tj = operating limit	COPd	1.71	-
For air-to-water heat pumps: Tj = -15 $^{\circ}$	Pdh	-	kW	For air-to-water heat pumps: Tj = -15 $^{\circ}$ C	COPd	-	-
Bivalent temperature	T _{biv}	-7	°C	For air-to-water heat pumps: Operation limit temperature	TOL	-10	°C
Cycling interval capacity for heating	P _{cych}	-	kW	Cycling interval efficiency	COP _{cyc}	-	-
Degradation co-efficient (**)	C_{dh}	0.9		Heating water operating limit temperature	W _{TOL}	60	°C
Power consumption in modes of	ther than active	e mode		Supplementary heater			
Off mode	P _{off}	0.019	kW	D () () () () () ()	_		
Standby mode	P _{sb}	0.019	kW	Rated heat output (**)	Psup	0.7	kW
Thermostat-off mode	P _{to}	0.051	kW	Type of energy input		Electrical	
Crankcase heater mode	P _{ck}	0.014	kW	Type of energy input		Licetical	
Other items							
Capacity control		variable		For air-to-water heat pumps: Rated air flow rate, outdoors	_	5116	m³/h
Sound power level, indoors/ outdoors	L _{WA}	43 / 69	dB	For water- or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat		-	m³/h
Annual energy consumption	Q _{HE}	4475	kWh	exchanger			
For heat pump combination heat	ter:						
Declared load profile		-		Water heating energy efficiency	η_{wh}	-	%
Daily electricity consumption	Q _{elec}	-	kWh	Daily fuel consumption	Q _{fuel}	-	kWh
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC		GJ
Contact details		R ESCODA SA A, 392 P2, BAR	CELONA (SPAII	4)			
	supplementary	heater Psup	is equal to t	ne rated heat output Prated is equine supplementary capacity for head on coefficient is Cdh = 0,9.	-	load for heating	g Pdesignh,

			Technic	al parameters			
Model(s):		UE	BIBLOC AERO	OTHERM V17 (8KW) / UI BIBLOC	AEROTHERM	1 V17 (4 ~ 8KW)	
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 he	eater:			YES			
Heat pump combination heater:				NO			
Declared climate condition:				COLDER			
Parameters are declared for medi	um-temperatu	re application.					
Item	Symbol	Value	Unit	Item	Symbol	Value	Uni
Rated heat output (*)	Prated	7	kW	Seasonal space heating energy efficiency	ηs	110	%
Declared capacity for heating for and outdoor temperature Tj	part load at	indoor tempera	L ature 20 °C	Declared coefficient of perform indoor temperature 20 °C and			part load
Tj = -7 °C	Pdh	4.3	kW	Tj = -7 C	COPd	2.26	-
Tj = 2 C	Pdh	2.7	kW	Tj = 2 °C	COPd	3.43	-
Тj = 7°С	Pdh	2.3	kW	Tj = 7°C	COPd	4.63	_
Tj = 12℃	Pdh	2.4	kW	Tj = 12℃	COPd	6.73	-
Tj = bivalent temperature	Pdh	5.5	kW	Tj = bivalent temperature	COPd	1.86	_
Tj = operating limit	Pdh	4.8	kW	Tj = operating limit	COPd	1.35	-
For air-to-water heat pumps:	Pdh	-	kW	For air-to-water heat pumps:	COPd	-	-
Bivalent temperature	T _{biv}	-14	°C	For air-to-water heat pumps:	TOL	-20	°C
Cycling interval capacity for	P _{cych}	_	kW	Operation limit temperature Cycling interval efficiency		_	
heating				Heating water operating limit	COP _{cyc}		
Degradation co-efficient (**)	C _{dh}	0.9		temperature	W _{TOL}	60	°C
Power consumption in modes oth	er than activ	e mode		Supplementary heater			
Off mode	P _{off}	0.019	kW	Rated heat output (**)	Psup	7.0	kV
Standby mode	P _{sb}	0.019	kW	- maio mont output ()	. оцр	7.0	
Thermostat-off mode Crankcase heater mode	P _{to}	0.051 0.014	kW kW	Type of energy input		Electrical	
	P _{ck}	0.014	KVV				
Other items	1				1		
Capacity control		variable		For air-to-water heat pumps: Rated air flow rate, outdoors	-	5116	m³/
Sound power level, indoors/ outdoors	L _{WA}	-	dB	For water- or brine-to-water heat pumps: Rated brine or		-	m³/
Annual energy consumption	Q _{HE}	6054	kWh	water flow rate, outdoor heat exchanger			
For heat pump combination heate	er:						
Declared load profile		-		Water heating energy efficiency	η _{wh}	-	%
Daily electricity consumption	Q _{elec}	-	kWh	Daily fuel consumption	Q_{fuel}	-	kW
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	GJ
		R ESCODA SA					

Model(s):		1	IE BIBLOC AF	ROTHERM V17 (8KW) / UI BIBLO	C AFROTHER	RM V/17 (4 ~ 8K\\\/))
· · ·		(JE BIBLOC AE		OC AEROTHER	XIVI V 17 (4 ~ OKVV))
Air-to-water heat pump: Water-to-water heat pump:				YES			
Brine-to-water heat pump:				NO			
Low-temperature heat pump:				NO			
Equipped with a supplementary he	eater			YES			
Heat pump combination heater:	outor.			NO			
Declared climate condition:				WARMER			
Parameters are declared for mediu	um-temperatu	re application.					
tem	Symbol	Value	Unit	Item	Symbol	Value	
Rated heat output (*)	Prated	7	kW	Seasonal space heating energy efficiency	ηѕ	154	
Declared capacity for heating for pand outdoor temperature Tj	part load at	indoor tempera	ature 20 °C	Declared coefficient of perform indoor temperature 20 °C and			part I
Tj = -7℃	Pdh	-	kW	Tj = -7℃	COPd	-	
Тј = 2 С	Pdh	7.2	kW	Tj = 2 C	COPd	2.25	
Tj = 7 C	Pdh	4.7	kW	Tj = 7 C	COPd	3.27	
Tj = 12 °C	Pdh	2.1	kW	Tj = 12 C	COPd	5.33	
Tj = bivalent temperature	Pdh	7.2	kW	Tj = bivalent temperature	COPd	2.25	
Tj = operating limit	Pdh	7.2	kW	Tj = operating limit	COPd	2.25	
For air-to-water heat pumps: Tj = -15 C	Pdh	-	kW	For air-to-water heat pumps: Tj = -15 $^{\circ}$ C	COPd	-	
Bivalent temperature	T _{biv}	2	°C	For air-to-water heat pumps: Operation limit temperature	TOL	2	
Cycling interval capacity for heating	P _{cych}	-	kW	Cycling interval efficiency	COP _{cyc}	-	
Degradation co-efficient (**)	C_{dh}	0.9		Heating water operating limit temperature	W _{TOL}	60	
Power consumption in modes other	er than activ	e mode		Supplementary heater			
Off mode	P _{off}	0.019	kW	Rated heat output (**)	Psup	0	
Standby mode	P _{sb}	0.019	kW	rvated fleat output ()	Sup	U	
Thermostat-off mode	P _{to}	0.051	kW	Type of energy input		Electrical	
Crankcase heater mode	P _{ck}	0.014	kW				
Other items					1		
Capacity control		variable		For air-to-water heat pumps: Rated air flow rate, outdoors	_	5116	
Sound power level, indoors/ outdoors	L _{WA}	-	dB	For water- or brine-to-water heat pumps: Rated brine or			ı
Annual energy consumption	Q _{HE}	2075	kWh	water flow rate, outdoor heat exchanger			
For heat pump combination heater	r:						
Declared load profile		-		Water heating energy efficiency	η_{wh}	-	
Daily electricity consumption	Q _{elec}	-	kWh	Daily fuel consumption	Q _{fuel}	-	
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	
		R ESCODA SA					

			Technic	al parameters			
Model(s):		UE	BIBLOC AERO	OTHERM V17 (10KW) / UI BIBLO	CAEROTHER	M V17 (10 ~ 16KW	/)
Air-to-water heat pump:				YES			<u>′</u>
Water-to-water heat pump:				NO			
Brine-to-water heat pump:				NO			
Low-temperature heat pump:				NO			
Equipped with a supplementary he	eater:			YES			
Heat pump combination heater:				NO			
Declared climate condition:				AVERAGE			
Parameters are declared for media	um-temperatu	re application.					
Item	Symbol	Value	Unit	Item	Symbol	Value	Un
Rated heat output (*)	Prated	10	kW	Seasonal space heating energy efficiency	ηs	122	%
Declared capacity for heating for and outdoor temperature Tj	part load at	indoor tempera	ature 20 °C	Declared coefficient of perform indoor temperature 20 °C and			part load
Тј = -7℃	Pdh	9.6	kW	Tj = -7°C	COPd	1.97	-
Tj = 2℃	Pdh	5.9	kW	Tj = 2 C	COPd	3.02	-
Тј = 7°С	Pdh	3.5	kW	Tj = 7°C	COPd	4.05	_
тj = 12°С	Pdh	2.5	kW	Tj = 12 °C	COPd	5.81	-
Tj = bivalent temperature	Pdh	10.4	kW	Tj = bivalent temperature	COPd	1.76	-
Tj = operating limit	Pdh	10.4	kW	Tj = operating limit	COPd	1.76	-
For air-to-water heat pumps: Tj = -15 C	Pdh	-	kW	For air-to-water heat pumps: Tj = -15 $^{\circ}$ C	COPd	-	-
Bivalent temperature	T _{biv}	-10	°C	For air-to-water heat pumps: Operation limit temperature	TOL	-10	°C
Cycling interval capacity for heating	P _{cych}	-	kW	Cycling interval efficiency	COP _{cyc}	-	-
Degradation co-efficient (**)	C_{dh}	0.9	-	Heating water operating limit temperature	W _{TOL}	60	°C
Power consumption in modes other	er than activ	e mode		Supplementary heater			
Off mode	P _{off}	0.019	kW	D + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 +	_		
Standby mode	P _{sb}	0.019	kW	Rated heat output (**)	Psup	0.1	kV
Thermostat-off mode	P _{to}	0.078	kW	Type of energy input		Electrical	
Crankcase heater mode	P _{ck}	0.014	kW	7,77 5. 2.1.3.3)			
Other items							
Capacity control		variable		For air-to-water heat pumps: Rated air flow rate, outdoors	_	6500	m³/
Sound power level, indoors/ outdoors	L _{WA}	45 / 67	dB	For water- or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat	_	-	m ³ /
Annual energy consumption	Q _{HE}	6953	kWh	exchanger			
For heat pump combination heate	r:						
Declared load profile		-		Water heating energy efficiency	η_{wh}	-	%
Daily electricity consumption	Q _{elec}	-	kWh	Daily fuel consumption	Q _{fuel}	-	kW
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	G
		R ESCODA SA					

Model(s):			JE BIBLOC AF	EROTHERM V17 (10KW) / UI BIBL	OC AEROTHE	RM V17 (10 ~ 16	KW)		
Air-to-water heat pump:				YES					
Water-to-water heat pump:				NO NO					
Brine-to-water heat pump:				NO					
Low-temperature heat pump:				NO					
Equipped with a supplementary h	neater:			YES					
Heat pump combination heater:				NO					
Declared climate condition:				COLDER					
Parameters are declared for med	ium-temperatu	re application							
tem	Symbol	Value	Unit	Item	Symbol	Value			
Rated heat output (*)	Prated	10	kW	Seasonal space heating energy efficiency	ηs	98			
Declared capacity for heating for and outdoor temperature Tj	part load at	indoor temper	ature 20 °C	Declared coefficient of perform indoor temperature 20 °C and			part		
Tj = -7℃	Pdh	6.2	kW	Tj = -7 C	COPd	2.15			
Тј = 2°С	Pdh	3.9	kW	Tj = 2℃	COPd	2.98			
Тј = 7℃	Pdh	2.4	kW	Tj = 7 °C	COPd	3.93			
Tj = 12 °C	Pdh	1.1	kW	Tj = 12 °C	COPd	2.89			
Tj = bivalent temperature	Pdh	8.3	kW	Tj = bivalent temperature	COPd	1.66			
Tj = operating limit	Pdh	7.1	kW	Tj = operating limit	COPd	1.30			
For air-to-water heat pumps: Tj = -15℃	Pdh	-	kW	For air-to-water heat pumps: Tj = -15 $^{\circ}$	COPd	-			
Bivalent temperature	T _{biv}	-15	°C	For air-to-water heat pumps: Operation limit temperature	TOL	-20			
Cycling interval capacity for heating	P _{cych}	-	kW	Cycling interval efficiency	COP _{cyc}	-			
Degradation co-efficient (**)	C _{dh}	0.9		Heating water operating limit temperature	W _{TOL}	60			
Power consumption in modes oth	ner than activ	e mode		Supplementary heater					
Off mode	P _{off}	0.019	kW	Dated heat output (**)	Psup	40.0			
Standby mode	P _{sb}	0.019	kW	Rated heat output (**)	rsup	10.2			
Thermostat-off mode	P _{to}	0.078	kW	Type of energy input		Electrical			
Crankcase heater mode	P _{ck}	0.014	kW						
Other items									
Capacity control		variable		For air-to-water heat pumps: Rated air flow rate, outdoors	_	6500			
Sound power level, indoors/ outdoors	L _{WA}	-	dB	For water- or brine-to-water heat pumps: Rated brine or		-			
Annual energy consumption	Q _{HE}	9931	kWh	water flow rate, outdoor heat exchanger					
For heat pump combination heate	er:								
Declared load profile		-		Water heating energy efficiency	η_{wh}	-			
Daily electricity consumption	Q _{elec}	-	kWh	Daily fuel consumption	Q _{fuel}	-			
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-			
	SALVADO	R ESCODA SA							

			Technic	al parameters					
Model(s):		UE	BIBLOC AERO	OTHERM V17 (10KW) / UI BIBLO	CAEROTHERI	M V17 (10 ~ 16KW	/)		
Air-to-water heat pump:				YES		·	<u>′</u>		
Water-to-water heat pump:				NO					
Brine-to-water heat pump:				NO					
Low-temperature heat pump:				NO					
Equipped with a supplementary he	eater:			YES					
Heat pump combination heater:				NO					
Declared climate condition:				WARMER					
Parameters are declared for media	um-temperatu	re application.							
tem	Symbol	Value	Unit	Item	Symbol	Value	Un		
Rated heat output (*)	Prated	10	kW	Seasonal space heating energy efficiency	ηs	167	%		
Declared capacity for heating for and outdoor temperature Tj	part load at	indoor tempera	ature 20 °C	Declared coefficient of perform indoor temperature 20 °C and			part load		
Tj = -7°C	Pdh	-	kW	Tj = -7°C	COPd	-	-		
Tj = 2°C	Pdh	10.3	kW	Tj = 2 C	COPd	2.34	-		
Tj = 7°C	Pdh	6.7	kW	Tj = 7°C	COPd	3.54			
тј = 12°С	Pdh	5.2	kW	Tj = 12°C	COPd	6.28			
Tj = bivalent temperature	Pdh	10.3	kW	T _i = bivalent temperature	COPd	2.34			
Tj = operating limit	Pdh	10.3	kW	Tj = operating limit	COPd	2.34			
For air-to-water heat pumps:	Pdh		kW	For air-to-water heat pumps:	COPd	2.51			
Тj = -15℃	i un			Tj = -15 C For air-to-water heat pumps:					
Bivalent temperature	T _{biv}	2	°C	Operation limit temperature	TOL	2	°C		
Cycling interval capacity for heating	P _{cych}	-	kW	Cycling interval efficiency	COP _{cyc}	-	-		
Degradation co-efficient (**)	C_{dh}	0.9		Heating water operating limit temperature	W _{TOL}	60	°C		
Power consumption in modes other	er than activ	e mode		Supplementary heater	•				
Off mode	P _{off}	0.019	kW	Detect hast subset (**)	Davis		1-1/		
Standby mode	P _{sb}	0.019	kW	Rated heat output (**)	Psup	0	kV		
Thermostat-off mode	P _{to}	0.078	kW	Type of energy input		Electrical			
Crankcase heater mode	P _{ck}	0.014	kW						
Other items									
Capacity control		variable		For air-to-water heat pumps: Rated air flow rate, outdoors	_	6500	m³/		
Sound power level, indoors/ outdoors	L _{WA}	-	dB	For water- or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat	_	-	m ³ /		
Annual energy consumption	Q _{HE}	2744	kWh	exchanger					
For heat pump combination heate	r:								
Declared load profile		-		Water heating energy efficiency	η_{wh}	-	%		
Daily electricity consumption	Q _{elec}	-	kWh	Daily fuel consumption	Q _{fuel}	-	kW		
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	G		
		R ESCODA SA							

			recnnica	al parameters						
Model(s):		l	JE BIBLOC AE	ROTHERM V17 (12KW) / UI BIBL	OC AEROTHERI	M V17 (10 ~ 16	KW)			
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 he	eater:			YES						
Heat pump combination heater:				NO						
Declared climate condition:				AVERAGE						
Parameters are declared for mediu	um-temperatu	re application.								
ltem	Symbol	Value	Unit	Item	Symbol	Value	Unit			
Rated heat output (*)	Prated	12	kW	Seasonal space heating energy efficiency	ηѕ	127	%			
Declared capacity for heating for pand outdoor temperature Tj	part load at	indoor tempera	ature 20 °C	Declared coefficient of perform indoor temperature 20 °C and			part load			
Tj = -7℃	Pdh	10.9	kW	Tj = -7℃	COPd	2.02	-			
Tj = 2 C	Pdh	7.0	kW	Tj = 2°C	COPd	3.05	-			
Тј = 7 С	Pdh	4.2	kW	Tj = 7 C	COPd	4.49	-			
Tj = 12 C	Pdh	2.5	kW	Tj = 12 C	COPd	5.97	-			
Tj = bivalent temperature	Pdh	10.3	kW	Tj = bivalent temperature	COPd	1.73	-			
Tj = operating limit	Pdh	10.3	kW	Tj = operating limit	COPd	1.73	-			
For air-to-water heat pumps: Tj = -15 C	Pdh	-	kW	For air-to-water heat pumps: Tj = -15 $^{\circ}$ C	COPd	-	-			
Bivalent temperature	T _{biv}	-10	°C	For air-to-water heat pumps: Operation limit temperature	TOL	-10	°C			
Cycling interval capacity for heating	P _{cych}	-	kW	Cycling interval efficiency	COP _{cyc}	-	-			
Degradation co-efficient (**)	C_{dh}	0.9	-	Heating water operating limit temperature	W _{TOL}	60	°C			
Power consumption in modes other	er than activ	e mode		Supplementary heater						
Off mode	P _{off}	0.019	kW	Dated heat output (**)	Davis	2.0	1,10/			
Standby mode	P _{sb}	0.019	kW	Rated heat output (**)	Psup	2.0	kW			
Thermostat-off mode	P _{to}	0.078	kW	Type of energy input		Electrical				
Crankcase heater mode	P _{ck}	0.014	kW	Type or energy input						
Other items										
Capacity control		variable		For air-to-water heat pumps: Rated air flow rate, outdoors	_	6500	m³/h			
Sound power level, indoors/ outdoors	L _{WA}	45 / 68	dB	For water- or brine-to-water heat pumps: Rated brine or		-	m³/h			
Annual energy consumption	Q _{HE}	7835	kWh	water flow rate, outdoor heat exchanger	_		,			
For heat pump combination heater	r.									
Declared load profile		-		Water heating energy efficiency	η _{wh}	-	%			
Daily electricity consumption	Q _{elec}	-	kWh	Daily fuel consumption	Q _{fuel}	-	kWh			
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	GJ			
Contact details		R ESCODA SA	CELONA (SPAIN							

			Technic	al parameters				
Model(s):		UE	BIBLOC AERO	THERM V17 (12KW) / UI BIBLOC AEROTHERM V17 (10 ~ 16KW)				
Air-to-water heat pump:				YES			<u>, </u>	
Water-to-water heat pump:				NO				
Brine-to-water heat pump:				NO				
Low-temperature heat pump:				NO				
Equipped with a supplementary he	eater:			YES				
Heat pump combination heater:				NO				
Declared climate condition:				COLDER				
Parameters are declared for mediu	um-temperatu	re application.						
Item	Symbol	Value	Unit	Item	Symbol	Value	Uni	
Rated heat output (*)	Prated	12	kW	Seasonal space heating energy efficiency	ηs	99	%	
Declared capacity for heating for plant outdoor temperature Tj	part load at	indoor tempera	ature 20 °C	Declared coefficient of perform indoor temperature 20 °C and			part load	
Tj = -7℃	Pdh	7.7	kW	Tj = -7°C	COPd	2.12	-	
Tj = 2°C	Pdh	4.6	kW	Tj = 2°C	COPd	2.91	-	
Tj = 7 C	Pdh	2.9	kW	Tj = 7°C	COPd	4.08	-	
Tj = 12°C	Pdh	2.4	kW	Tj = 12°C	COPd	6.00	_	
Tj = bivalent temperature	Pdh	9.9	kW	Tj = bivalent temperature	COPd	1.78	-	
Tj = operating limit	Pdh	7.0	kW	Tj = operating limit	COPd	1.28	-	
For air-to-water heat pumps:	Pdh	-	kW	For air-to-water heat pumps: Tj = -15 C	COPd	-	-	
Bivalent temperature	T _{biv}	-15	°C	For air-to-water heat pumps: Operation limit temperature	TOL	-20	°C	
Cycling interval capacity for heating	P _{cych}	-	kW	Cycling interval efficiency	COP _{cyc}	-	-	
Degradation co-efficient (**)	C _{dh}	0.9	-	Heating water operating limit temperature	W _{TOL}	60	°C	
Power consumption in modes other	er than activ	e mode		Supplementary heater				
Off mode	P _{off}	0.019	kW	B	_			
Standby mode	P _{sb}	0.019	kW	Rated heat output (**)	Psup	12.1	kV	
Thermostat-off mode	P _{to}	0.078	kW	Type of energy input		Electrical		
Crankcase heater mode	P _{ck}	0.014	kW	7,7				
Other items								
Capacity control		variable		For air-to-water heat pumps: Rated air flow rate, outdoors	_	6500	m³/	
Sound power level, indoors/ outdoors	L _{WA}	-	dB	For water- or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat	_	-	m³/	
Annual energy consumption	Q _{HE}	11694	kWh	exchanger				
For heat pump combination heater	r:							
Declared load profile		-		Water heating energy efficiency	η_{wh}	-	%	
Daily electricity consumption	Q _{elec}	-	kWh	Daily fuel consumption	Q_{fuel}	-	kW	
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	GJ	
		R ESCODA SA						

			Technic	cal parameters			
Model(s):		l	JE BIBLOC AI	EROTHERM V17 (12KW) / UI BIBL	OC AEROTHERM	1 V17 (10 ~ 16	KW)
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:			YES			
Heat pump combination heater:				NO			
Declared climate condition:				WARMER			
Parameters are declared for me	dium-temperatu	re annlication					
r arameters are decidred for me	alam-temperata	те аррисацоп.					
ltem	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	12	kW	Seasonal space heating energy efficiency	ηs	170	%
Declared capacity for heating for and outdoor temperature Tj	r part load at	indoor tempera	ature 20 °C	Declared coefficient of perform indoor temperature 20 °C and			part load at
Tj = -7℃	Pdh	-	kW	Tj = -7 °C	COPd	-	-
Tj = 2℃	Pdh	12.0	kW	Tj = 2 ℃	COPd	2.41	-
Tj = 7℃	Pdh	7.8	kW	Tj = 7 ℃	COPd	3.52	
Tj = 12℃	Pdh	5.3	kW	Tj = 12°C	COPd	6.33	-
Tj = bivalent temperature	Pdh	12.0	kW	Tj = bivalent temperature	COPd	2.41	-
Tj = operating limit	Pdh	12.0	kW	Tj = operating limit	COPd	2.41	-
For air-to-water heat pumps: Tj = -15 $^{\circ}$	Pdh	-	kW	For air-to-water heat pumps: Tj = -15 $^{\circ}$ C	COPd	-	-
Bivalent temperature	T _{biv}	2	°C	For air-to-water heat pumps: Operation limit temperature	TOL	2	°C
Cycling interval capacity for heating	P _{cych}	-	kW	Cycling interval efficiency	COP _{cyc}	-	-
Degradation co-efficient (**)	C _{dh}	0.9		Heating water operating limit temperature	W _{TOL}	60	°C
Power consumption in modes of	ther than active	e mode		Supplementary heater			
Off mode	P _{off}	0.019	kW				
Standby mode	P _{sb}	0.019	kW	Rated heat output (**)	Psup	0	kW
Thermostat-off mode	P _{to}	0.078	kW	Tong of source insul			
Crankcase heater mode	P _{ck}	0.014	kW	Type of energy input		Electrical	
Other items							
Capacity control		variable		For air-to-water heat pumps: Rated air flow rate, outdoors	_	6500	m³/h
Sound power level, indoors/ outdoors	L _{WA}	-	dB	For water- or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat	_	-	m³/h
Annual energy consumption	Q _{HE}	3151	kWh	exchanger			
For heat pump combination hea	ter:						
Declared load profile		-		Water heating energy efficiency	η_{wh}	-	%
Daily electricity consumption	Q _{elec}	-	kWh	Daily fuel consumption	Q _{fuel}	-	kWh
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	GJ
Contact details		R ESCODA SA A, 392 P2, BAR	CELONA (SPAII	N)			
	supplementary	heater Psup	is equal to t	ne rated heat output Prated is equence he supplementary capacity for heat on coefficient is Cdh = 0,9.		oad for heating	g Pdesignh,

			Technic	al parameters					
Model(s):		UE	BIBLOC AERO	OTHERM V17 (14KW) / UI BIBLO	CAEROTHER	M V17 (10 ~ 16KW	/)		
Air-to-water heat pump:				YES			<u>′</u>		
Water-to-water heat pump:				NO					
Brine-to-water heat pump:				NO					
Low-temperature heat pump:				NO					
Equipped with a supplementary he	eater:			YES					
Heat pump combination heater:				NO					
Declared climate condition:				AVERAGE					
Parameters are declared for mediu	um-temperatu	re application.							
ltem	Symbol	Value	Unit	Item	Symbol	Value	Uni		
Rated heat output (*)	Prated	14	kW	Seasonal space heating energy efficiency	ηs	128	%		
Declared capacity for heating for plant outdoor temperature Tj	part load at	indoor tempera	ature 20 °C	Declared coefficient of perform indoor temperature 20 °C and			part load		
Tj = -7°C	Pdh	12.2	kW	Tj = -7°C	COPd	2.00	-		
Tj = 2°C	Pdh	8.3	kW	Tj = 2 C	COPd	3.14	-		
Tj = 7°C	Pdh	5.0	kW	Tj = 7°C	COPd	4.56	_		
Tj = 12°C	Pdh	2.7	kW	Tj = 12°C	COPd	6.24	-		
Tj = bivalent temperature	Pdh	12.3	kW	Tj = bivalent temperature	COPd	2.00	-		
Tj = operating limit temperature	Pdh	10.3	kW	Tj = operating limit temperature	COPd	1.66	-		
For air-to-water heat pumps:	Pdh	-	kW	For air-to-water heat pumps:	COPd	-	-		
Bivalent temperature	T _{biv}	-7	°C	For air-to-water heat pumps: Operation limit temperature	TOL	-10	°C		
Cycling interval capacity for heating	P _{cych}	-	kW	Cycling interval efficiency	COP _{cyc}	-	-		
Degradation co-efficient (**)	C _{dh}	0.9		Heating water operating limit temperature	W _{TOL}	60	°C		
Power consumption in modes other	er than activ	e mode		Supplementary heater					
O# d -	P _{off}	0.019	kW		1				
Off mode Standby mode	P _{sb}	0.019	kW	Rated heat output (**)	Psup	3.5	kV		
Thermostat-off mode	P _{to}	0.078	kW	T (Floridad			
Crankcase heater mode	P _{ck}	0.014	kW	Type of energy input		Electrical			
Other items									
Capacity control		variable		For air-to-water heat pumps: Rated air flow rate, outdoors	_	6500	m³/		
Sound power level, indoors/ outdoors	L _{WA}	45 / 71	dB	For water- or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat	_	-	m³/		
Annual energy consumption	Q _{HE}	8692	kWh	exchanger					
For heat pump combination heater	r:								
Declared load profile		-		Water heating energy efficiency	η_{wh}	-	%		
Daily electricity consumption	Q _{elec}	-	kWh	Daily fuel consumption	Q _{fuel}	-	kW		
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	G		
		R ESCODA SA							

			Technic	al parameters			
Model(s):		l	JE BIBLOC AI	EROTHERM V17 (14KW) / UI BIBL	OC AEROTHERM	1 V17 (10 ~ 16	KW)
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:			YES			
Heat pump combination heater:				NO			
Declared climate condition:				COLDER			
Parameters are declared for med	dium-temperatu	re application.					
ltem	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	14	kW	Seasonal space heating energy efficiency	ηs	103	%
Declared capacity for heating for and outdoor temperature Tj	part load at	indoor tempera	ature 20 °C	Declared coefficient of perform indoor temperature 20 °C and			part load at
Tj = -7 ℃	Pdh	8.8	kW	Tj = -7℃	COPd	2.19	-
Tj = 2°C	Pdh	5.3	kW	Tj = 2℃	COPd	3.17	-
Tj = 7°C	Pdh	3.3	kW	Tj = 7 °C	COPd	4.40	-
Tj = 12 C	Pdh	2.4	kW	Tj = 12 °C	COPd	6.15	-
Tj = bivalent temperature	Pdh	10.5	kW	Tj = bivalent temperature	COPd	1.85	-
Tj = operating limit temperature	Pdh	7.1	kW	Tj = operating limit temperature	COPd	1.29	-
For air-to-water heat pumps: $Tj = -15 C$	Pdh	-	kW	For air-to-water heat pumps: Tj = -15 $^{\circ}$ C	COPd	-	-
Bivalent temperature	T _{biv}	-12	°C	For air-to-water heat pumps: Operation limit temperature	TOL	-20	°C
Cycling interval capacity for heating	P _{cych}	-	kW	Cycling interval efficiency	COP _{cyc}	-	-
Degradation co-efficient (**)	C _{dh}	0.9		Heating water operating limit temperature	W _{TOL}	60	°C
Power consumption in modes of	her than active	e mode		Supplementary heater			
Off mode	P _{off}	0.019	kW		L		
Standby mode	P _{sb}	0.019	kW	Rated heat output (**)	Psup	14.3	kW
Thermostat-off mode	P _{to}	0.078	kW	Type of energy input		Electrical	
Crankcase heater mode	P _{ck}	0.014	kW	Type or energy input		2,000,100,	
Other items							
Capacity control		variable		For air-to-water heat pumps: Rated air flow rate, outdoors	_	6500	m³/h
Sound power level, indoors/ outdoors	L _{WA}	-	dB	For water- or brine-to-water heat pumps: Rated brine or		-	m ³ /h
Annual energy consumption	Q _{HE}	13314	kWh	water flow rate, outdoor heat exchanger			
For heat pump combination heat	ter:						
Declared load profile		-		Water heating energy efficiency	η_{wh}	-	%
Daily electricity consumption	Q _{elec}	-	kWh	Daily fuel consumption	Q _{fuel}	-	kWh
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	GJ
Contact details		R ESCODA SA A, 392 P2, BAR	CELONA (SPAII	N)			
	supplementary	heater Psup	is equal to t	ne rated heat output Prated is equiphe supplementary capacity for head on coefficient is Cdh = 0,9.	•	load for heating	g Pdesignh,

			Technic	al parameters					
Model(s):		UE	BIBLOC AERO	OTHERM V17 (14KW) / UI BIBLO	CAEROTHER	M V17 (10 ~ 16KW	/)		
Air-to-water heat pump:				YES		V	<u>′</u>		
Water-to-water heat pump:				NO					
Brine-to-water heat pump:				NO					
Low-temperature heat pump:				NO					
Equipped with a supplementary he	eater:			YES					
Heat pump combination heater:				NO					
Declared climate condition:				WARMER					
Parameters are declared for mediu	um-temperatu	re application.							
tem	Symbol	Value	Unit	Item	Symbol	Value	Un		
Rated heat output (*)	Prated	14	kW	Seasonal space heating energy efficiency	ηs	165	%		
Declared capacity for heating for plant outdoor temperature Tj	part load at	indoor tempera	ature 20 °C	Declared coefficient of perform indoor temperature 20 °C and			part load		
Tj = -7°C	Pdh	-	kW	Tj = -7°C	COPd	-	-		
Tj = 2°C	Pdh	14.0	kW	Tj = 2 C	COPd	2.31	-		
Tj = 7°C	Pdh	9.3	kW	Tj = 7°C	COPd	3.45	_		
тј = 12 C	Pdh	4.2	kW	Tj = 12°C	COPd	5.76			
T _I = bivalent temperature	Pdh	14.0	kW	Tj = bivalent temperature	COPd	2.31			
Tj = operating limit	Pdh	14.0	kW	Tj = operating limit	COPd	2.31			
For air-to-water heat pumps:	Pdh		kW	For air-to-water heat pumps:	COPd	2.51			
Tj = -15 C				Tj = -15 C For air-to-water heat pumps:					
Bivalent temperature	T _{biv}	2	°C	Operation limit temperature	TOL	2	°C		
Cycling interval capacity for heating	P _{cych}	-	kW	Cycling interval efficiency	COP _{cyc}	-	-		
Degradation co-efficient (**)	C_{dh}	0.9		Heating water operating limit temperature	W _{TOL}	60	°C		
Power consumption in modes other	er than activ	e mode		Supplementary heater					
Off mode	P _{off}	0.019	kW	Detect hast subset (**)	Davis	0	1-1/		
Standby mode	P _{sb}	0.019	kW	Rated heat output (**)	Psup	0	kV		
Thermostat-off mode	P _{to}	0.078	kW	Type of energy input		Electrical			
Crankcase heater mode	P _{ck}	0.014	kW						
Other items									
Capacity control		variable		For air-to-water heat pumps: Rated air flow rate, outdoors	_	6500	m³/		
Sound power level, indoors/ outdoors	L _{WA}	-	dB	For water- or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat	_	-	m ³ /		
Annual energy consumption	Q _{HE}	3780	kWh	exchanger					
For heat pump combination heater	r:								
Declared load profile		-		Water heating energy efficiency	η_{wh}	-	%		
Daily electricity consumption	Q _{elec}	-	kWh	Daily fuel consumption	Q _{fuel}	-	kW		
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	G		
		R ESCODA SA							

Model(s):		l	JE BIBLOC AE	ROTHERM V17 (16KW) / UI BIBL	OC AEROTHER	RM V17 (10 ~ 16	KW)				
Air-to-water heat pump:		YES									
Nater-to-water heat pump:				NO							
Brine-to-water heat pump:		NO									
_ow-temperature heat pump:				NO							
Equipped with a supplementary he	eater:	YES									
Heat pump combination heater:				NO							
Declared climate condition:				AVERAGE							
Parameters are declared for mediu	ım-temperatu	re application.									
tem	Symbol	Value	Unit	Item	Symbol	Value	U				
Rated heat output (*)	Prated	15	kW	Seasonal space heating energy efficiency	ηs	124	9				
Declared capacity for heating for pand outdoor temperature Tj	part load at	indoor tempera	ature 20 °C	Declared coefficient of perform indoor temperature 20 °C and			part loa				
Гј = -7°С	Pdh	11.5	kW	Tj = -7℃	COPd	1.95					
Гj = 2°С	Pdh	8.1	kW	Tj = 2°C	COPd	3.05					
Гј = 7℃	Pdh	5.2	kW	Tj = 7 C	COPd	4.52					
Γj = 12℃	Pdh	2.5	kW	Tj = 12 °C	COPd	5.96					
Tj = bivalent temperature	Pdh	12.0	kW	Tj = bivalent temperature	COPd	2.05					
Γj = operating limit	Pdh	10.3	kW	Tj = operating limit	COPd	1.70					
For air-to-water heat pumps: IJ = -15 C	Pdh	-	kW	For air-to-water heat pumps: Tj = -15 $^{\circ}$	COPd	-					
Bivalent temperature	T _{biv}	-5	°C	For air-to-water heat pumps: Operation limit temperature	TOL	-10	0				
Cycling interval capacity for neating	P _{cych}	-	kW	Cycling interval efficiency	COP _{cyc}	-					
Degradation co-efficient (**)	C _{dh}	0.9		Heating water operating limit temperature	W _{TOL}	60	۰				
Power consumption in modes other	er than activ	e mode		Supplementary heater	l .						
Off mode	P _{off}	0.019	kW	Datad back subsub (**)	Davis	4.0					
Standby mode	P _{sb}	0.019	kW	Rated heat output (**)	Psup	4.6	k				
Thermostat-off mode	P _{to}	0.078	kW	Type of energy input		Electrical					
Crankcase heater mode	P _{ck}	0.014	kW	,, o, ,							
Other items											
Capacity control		variable		For air-to-water heat pumps: Rated air flow rate, outdoors	_	6500	m				
Sound power level, indoors/ outdoors	L _{WA}	45 / 72	dB	For water- or brine-to-water heat pumps: Rated brine or		_	m				
Annual energy consumption	Q _{HE}	9697	kWh	water flow rate, outdoor heat exchanger							
For heat pump combination heater											
Declared load profile		-		Water heating energy efficiency	η_{wh}	-	(
Daily electricity consumption	Q _{elec}	-	kWh	Daily fuel consumption	Q _{fuel}	-	k۱				
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	G				

			Technic	al parameters				
Model(s):		UE	BIBLOC AERO	OTHERM V17 (16KW) / UI BIBLO	CAEROTHER	M V17 (10 ~ 16KW	/)	
Air-to-water heat pump:				YES			<u>′</u>	
Water-to-water heat pump:				NO YES				
Brine-to-water heat pump:				NO				
Low-temperature heat pump:				NO				
Equipped with a supplementary he	eater:			YES				
Heat pump combination heater:				NO				
Declared climate condition:				COLDER				
Parameters are declared for medi-	um-temperatu	re application.						
Item	Symbol	Value	Unit	Item	Symbol	Value	Uni	
Rated heat output (*)	Prated	15	kW	Seasonal space heating energy efficiency	ηs	98	%	
Declared capacity for heating for and outdoor temperature Tj	part load at	indoor tempera	ature 20 °C	Declared coefficient of perform indoor temperature 20 °C and			part load	
Тј = -7℃	Pdh	8.8	kW	Tj = -7 C	COPd	2.19	-	
Tj = 2℃	Pdh	5.3	kW	Tj = 2 C	COPd	3.17	-	
Tj = 7°C	Pdh	3.3	kW	Tj = 7°C	COPd	4.40		
тј = 12°С	Pdh	2.4	kW	Tj = 12°C	COPd	6.15	_	
Tj = bivalent temperature	Pdh	10.1	kW	Tj = bivalent temperature	COPd	1.85	-	
Tj = operating limit	Pdh	7.1	kW	Tj = operating limit	COPd	1.29	-	
For air-to-water heat pumps:	Pdh	-	kW	For air-to-water heat pumps: Tj = -15 C	COPd	-	-	
Bivalent temperature	T _{biv}	-10	°C	For air-to-water heat pumps: Operation limit temperature	TOL	-20	°C	
Cycling interval capacity for heating	P _{cych}	-	kW	Cycling interval efficiency	COP _{cyc}	-	-	
Degradation co-efficient (**)	C _{dh}	0.9		Heating water operating limit temperature	W _{TOL}	60	°C	
Power consumption in modes oth	er than activ	e mode		Supplementary heater	'			
Off mode	P _{off}	0.019	kW	D + 1 + + + + + + + + + + + + + + + + +	_	444		
Standby mode	P _{sb}	0.019	kW	Rated heat output (**)	Psup	14.8	kV	
Thermostat-off mode	P _{to}	0.078	kW	Type of energy input		Electrical		
Crankcase heater mode	P _{ck}	0.014	kW	7,77 5. 5.1.5.3)				
Other items								
Capacity control		variable		For air-to-water heat pumps: Rated air flow rate, outdoors	_	6500	m³/	
Sound power level, indoors/ outdoors	L _{WA}	-	dB	For water- or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat	_	-	m³/	
Annual energy consumption	Q _{HE}	14451	kWh	exchanger				
For heat pump combination heate	ir:							
Declared load profile		-		Water heating energy efficiency	η _{wh}	-	%	
Daily electricity consumption	Q _{elec}	-	kWh	Daily fuel consumption	Q _{fuel}	-	kW	
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	GJ	
		R ESCODA SA						

			Technic	al parameters			
Model(s):		l	JE BIBLOC AI	EROTHERM V17 (16KW) / UI BIBL	OC AEROTHERM	1 V17 (10 ~ 16	KW)
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:			YES			
Heat pump combination heater:				NO			
Declared climate condition:				WARMER			
Parameters are declared for med	dium-temperatu	re application.					
ltem	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	15	kW	Seasonal space heating energy efficiency	ηs	178	%
Declared capacity for heating for and outdoor temperature Tj	part load at	indoor tempera	ature 20 °C	Declared coefficient of perform indoor temperature 20 °C and			part load at
Tj = -7 ℃	Pdh	-	kW	Tj = -7℃	COPd	-	-
Tj = 2℃	Pdh	15.3	kW	Tj = 2 °C	COPd	2.42	-
Tj = 7℃	Pdh	9.9	kW	Tj = 7 °C	COPd	3.80	-
Tj = 12°C	Pdh	4.4	kW	Tj = 12 °C	COPd	6.08	-
Tj = bivalent temperature	Pdh	15.3	kW	Tj = bivalent temperature	COPd	2.42	-
Tj = operating limit	Pdh	15.3	kW	Tj = operating limit	COPd	2.42	-
For air-to-water heat pumps: Tj = -15 C	Pdh	-	kW	For air-to-water heat pumps: Tj = -15 C	COPd	-	-
Bivalent temperature	T _{biv}	2	°C	For air-to-water heat pumps: Operation limit temperature	TOL	2	°C
Cycling interval capacity for heating	P _{cych}	-	kW	Cycling interval efficiency	COP _{cyc}	-	-
Degradation co-efficient (**)	C _{dh}	0.9		Heating water operating limit temperature	W _{TOL}	60	°C
Power consumption in modes of	her than active	e mode		Supplementary heater			
Off mode	P _{off}	0.019	kW	Detail best of to 1/#*	D		130/
Standby mode	P_{sb}	0.019	kW	Rated heat output (**)	Psup	0	kW
Thermostat-off mode	P _{to}	0.078	kW	Type of energy input		Electrical	
Crankcase heater mode	P _{ck}	0.014	kW	Type of dilengy input		2.000.100.	
Other items							
Capacity control		variable		For air-to-water heat pumps: Rated air flow rate, outdoors	_	6500	m³/h
Sound power level, indoors/ outdoors	L _{WA}	-	dB	For water- or brine-to-water heat pumps: Rated brine or		-	m³/h
Annual energy consumption	Q _{HE}	3839	kWh	water flow rate, outdoor heat exchanger			
For heat pump combination hea	ter:						
Declared load profile		-		Water heating energy efficiency	η _{wh}	-	%
Daily electricity consumption	Q_{elec}	-	kWh	Daily fuel consumption	Q _{fuel}	-	kWh
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	GJ
Contact details		R ESCODA SA A, 392 P2, BAR	CELONA (SPAII	4)			
	supplementary	heater Psup	is equal to t	ne rated heat output Prated is equine supplementary capacity for head on coefficient is Cdh = 0,9.	-	oad for heating	g Pdesignh,

Model(s):		UE BIBLO	OC AEROTHE	RM V17 (12KW) /TRIF.) / UI BIBLO	OC AEROTHE	RM V17 (10 ~ 16K	(W) (TRII			
Air-to-water heat pump:				YES						
Vater-to-water heat pump:					NO					
Brine-to-water heat pump:				NO						
Low-temperature heat pump: Equipped with a supplementary he	otor:			NO YES						
Heat pump combination heater:	alei.			NO NO						
Declared climate condition:				AVERAGE						
Parameters are declared for media	ım-temperatu	re application.		/(VEIGICE						
tem	Symbol	Value	Unit	Item	Symbol	Value	Uni			
Rated heat output (*)	Prated	12	kW	Seasonal space heating energy efficiency	ηs	126	%			
Declared capacity for heating for pand outdoor temperature Tj	part load at	indoor tempera	ature 20 °C	Declared coefficient of perform indoor temperature 20 °C and			part load			
Γj = -7℃	Pdh	10.7	kW	Tj = -7 ℃	COPd	1.96	-			
ij = 2°С	Pdh	6.6	kW	Tj = 2 °C	COPd	3.02	-			
rj = 7°C	Pdh	4.2	kW	Tj = 7°C	COPd	4.51	_			
	Pdh	3.5	kW	Ti = 12°C	COPd	6.69	_			
ij = livalent temperature	Pdh	11.5	kW	T _i = bivalent temperature	COPd	1.77				
- bivalent temperature	Pdh	10.9	kW	Tj = operating limit	COPd	1.67				
For air-to-water heat pumps:		10.9		For air-to-water heat pumps:		1.07	-			
rj = -15°C	Pdh	-	kW	Tj = -15 °C	COPd	-	-			
Bivalent temperature	T _{biv}	-9	°C	For air-to-water heat pumps: Operation limit temperature	TOL	-10	°C			
Cycling interval capacity for neating	P _{cych}	-	kW	Cycling interval efficiency	COP _{cyc}	-	-			
Degradation co-efficient (**)	C_{dh}	0.9		Heating water operating limit temperature	W _{TOL}	60	°C			
Power consumption in modes other	er than activ	e mode		Supplementary heater						
Off mode	P _{off}	0.019	kW	Dated heat output (**)	Davin	4.0	I ₂ \A			
Standby mode	P _{sb}	0.019	kW	Rated heat output (**)	Psup	1.0	kW			
Thermostat-off mode	P _{to}	0.078	kW	Type of energy input		Electrical				
Crankcase heater mode	P _{ck}	0.014	kW							
Other items										
Capacity control		variable		For air-to-water heat pumps: Rated air flow rate, outdoors	_	6500	m³/			
Sound power level, indoors/ outdoors	L _{WA}	45 / 70	dB	For water- or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat	_	-	m ³ /			
Annual energy consumption	Q _{HE}	7630	kWh	exchanger						
For heat pump combination heater	r:									
Declared load profile		-		Water heating energy efficiency	η _{wh}	-	%			
Daily electricity consumption	Q _{elec}	-	kWh	Daily fuel consumption	Q _{fuel}	-	kW			
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	GJ			
		ESCODA SA								

Model(s):		LIE BIE	BLOC AFROTE	HERM V17 (12KW) /TRIF.) / UI BIE	BLOC AFROTHE	RM V17 (10 ~ 1	6KW
		OL BIL	DEGO MENOTI	YES	SEGO NERIOTTIE		OI (VV)
Air-to-water heat pump: Water-to-water heat pump:				NO NO			
Brine-to-water heat pump:				NO			
Low-temperature heat pump:				NO			
Equipped with a supplementary h	neater			YES			
Heat pump combination heater:	.outon			NO			
Declared climate condition:				COLDER			
Parameters are declared for medi	ium-temperatu	re application.					
ltem	Symbol	Value	Unit	Item	Symbol	Value	
Rated heat output (*)	Prated	12	kW	Seasonal space heating energy efficiency	ηѕ	100	
Declared capacity for heating for and outdoor temperature Tj	part load at	indoor tempera	ature 20 °C	Declared coefficient of perform indoor temperature 20 °C and			part l
Tj = -7 C	Pdh	7.4	kW	Тј = -7℃	COPd	2.15	
Tj = 2°C	Pdh	4.5	kW	Tj = 2 C	COPd	2.92	
Tj = 7°C	Pdh	2.9	kW	Tj = 7 C	COPd	4.08	
Tj = 12 C	Pdh	2.4	kW	Tj = 12 C	COPd	6.00	
Tj = bivalent temperature	Pdh	9.8	kW	Tj = bivalent temperature	COPd	1.78	
Tj = operating limit	Pdh	7.0	kW	Tj = operating limit	COPd	1.28	
For air-to-water heat pumps: Tj = -15 C	Pdh	-	kW	For air-to-water heat pumps: Tj = -15 $^{\circ}$ C	COPd	-	
Bivalent temperature	T _{biv}	-15	°C	For air-to-water heat pumps: Operation limit temperature	TOL	-20	
Cycling interval capacity for heating	P _{cych}	-	kW	Cycling interval efficiency	COP _{cyc}	-	
Degradation co-efficient (**)	C_{dh}	0.9		Heating water operating limit temperature	W _{TOL}	60	
Power consumption in modes oth	ner than activ	e mode		Supplementary heater			
Off mode	P _{off}	0.019	kW	Rated heat output (**)	Psup	40.0	
Standby mode	P _{sb}	0.019	kW	Rated heat output ()	Psup	12.0	
Thermostat-off mode	Pto	0.078	kW	Type of energy input		Electrical	
Crankcase heater mode	P _{ck}	0.014	kW				
Other items					1		
Capacity control		variable		For air-to-water heat pumps: Rated air flow rate, outdoors	_	6500	
Sound power level, indoors/ outdoors	L _{WA}	-	dB	For water- or brine-to-water heat pumps: Rated brine or		_	
Annual energy consumption	Q _{HE}	11507	kWh	water flow rate, outdoor heat exchanger	_		
For heat pump combination heate	er:						
Declared load profile		-		Water heating energy efficiency	η _{wh}	-	
Daily electricity consumption	Q _{elec}	-	kWh	Daily fuel consumption	Q _{fuel}	-	
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	
	SALVADO	R ESCODA SA					

			Technic	al parameters			
Model(s):		UE BIBLO	OC AEROTHE	RM V17 (12KW) /TRIF.) / UI BIBLO	OC AEROTHER	M V17 (10 ~ 16k	(W) (TRIF
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 he	eater:			YES			
Heat pump combination heater:				NO			
Declared climate condition:				WARMER			
Parameters are declared for media	um-temperatu	ire application.					
tem	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	12	kW	Seasonal space heating energy efficiency	ηѕ	169	%
Declared capacity for heating for and outdoor temperature Tj	part load at	indoor tempera	ature 20 °C	Declared coefficient of perform indoor temperature 20 °C and	I ance or primary outdoor tempera	energy ratio for ture Tj	part load
Tj = -7℃	Pdh	-	kW	Tj = -7°C	COPd	-	-
Тј = 2 С	Pdh	12.1	kW	Tj = 2°C	COPd	2.35	-
тј = 7 С	Pdh	7.9	kW	Tj = 7℃	COPd	3.50	-
Tj = 12 °C	Pdh	5.3	kW	Tj = 12 °C	COPd	6.33	-
Tj = bivalent temperature	Pdh	12.1	kW	Tj = bivalent temperature	COPd	2.35	-
Tj = operating limit	Pdh	12.1	kW	Tj = operating limit	COPd	2.35	-
For air-to-water heat pumps: ∏ = -15 ℂ	Pdh	-	kW	For air-to-water heat pumps: Tj = -15 $^{\circ}$ C	COPd	-	-
Bivalent temperature	T _{biv}	2	°C	For air-to-water heat pumps: Operation limit temperature	TOL	2	°C
Cycling interval capacity for heating	P _{cych}	-	kW	Cycling interval efficiency	COP _{cyc}	-	-
Degradation co-efficient (**)	C_{dh}	0.9		Heating water operating limit temperature	W _{TOL}	60	°C
Power consumption in modes other	er than activ	e mode		Supplementary heater			
Off mode	Poff	0.019	kW	Rated heat output (**)	Psup	0	kW
Standby mode	P _{sb}	0.019	kW	Nated Heat Output ()	rsup	0	KVV
Thermostat-off mode	Pto	0.078	kW	Type of energy input	Electrical		
Crankcase heater mode	P _{ck}	0.014	kW				
Other items					1		1
Capacity control		variable		For air-to-water heat pumps: Rated air flow rate, outdoors	_	6500	m³/ł
Sound power level, indoors/ outdoors	L _{WA}	-	dB	For water- or brine-to-water heat pumps: Rated brine or			m³/l
Annual energy consumption	Q _{HE}	3190	kWh	water flow rate, outdoor heat exchanger			
For heat pump combination heate	r:						
Declared load profile		-		Water heating energy efficiency	η _{wh}	-	%
Daily electricity consumption	Q _{elec}	-	kWh	Daily fuel consumption	Q _{fuel}	-	kW
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	GJ
		R ESCODA SA					

			recnnica	al parameters				
Model(s):		UE BIE	BLOC AEROTH	HERM V17 (14KW) /TRIF.) / UI BIE	BLOC AEROTHI	ERM V17 (10 ~ 1	6KW) (
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 he	eater:			YES				
Heat pump combination heater:				NO				
Declared climate condition:				AVERAGE				
Parameters are declared for mediu	ım-temperatu	re application.						
ltem	Symbol	Value	Unit	Item	Symbol	Value	Uı	
Rated heat output (*)	Prated	14	kW	Seasonal space heating energy efficiency	ηs	129	%	
Declared capacity for heating for pand outdoor temperature Tj	part load at	indoor tempera	ature 20 °C	Declared coefficient of perform indoor temperature 20 °C and			part loa	
Тј = -7℃	Pdh	12.4	kW	Tj = -7 ℃	COPd	2.02	-	
Tj = 2°C	Pdh	7.5	kW	Tj = 2 C	COPd	3.08	-	
Tj = 7°C	Pdh	5.0	kW	Tj = 7 C	COPd	4.71		
Tj = 12 °C	Pdh	3.4	kW	Tj = 12 °C	COPd	6.72	-	
Tj = bivalent temperature	Pdh	12.4	kW	Tj = bivalent temperature	COPd	2.02	-	
Tj = operating limit temperature	Pdh	10.1	kW	Tj = operating limit temperature	COPd	1.65	-	
For air-to-water heat pumps: Tj = -15 C	Pdh	-	kW	For air-to-water heat pumps: Tj = -15 $^{\circ}$ C	COPd	-	-	
Bivalent temperature	T _{biv}	-7	°C	For air-to-water heat pumps: Operation limit temperature	TOL	-10	°(
Cycling interval capacity for heating	P _{cych}	-	kW	Cycling interval efficiency	COP _{cyc}	-		
Degradation co-efficient (**)	C_{dh}	0.9	-	Heating water operating limit temperature	W _{TOL}	60	°(
Power consumption in modes other	er than activ	e mode		Supplementary heater				
Off mode	P _{off}	0.019	kW	Pated heat output (**)	Pour	2.0	k۱	
Standby mode	P _{sb}	0.019	kW	Rated heat output (**)	Psup	3.8	K	
Thermostat-off mode	P _{to}	0.078	kW	Type of energy input		Electrical		
Crankcase heater mode	P _{ck}	0.014	kW					
Other items					1			
Capacity control		variable		For air-to-water heat pumps: Rated air flow rate, outdoors	_	6500	m³	
Sound power level, indoors/ outdoors	L _{WA}	45 / 72	dB	For water- or brine-to-water heat pumps: Rated brine or			m ³	
Annual energy consumption	Q _{HE}	8733	kWh	water flow rate, outdoor heat exchanger	_			
For heat pump combination heater	r:							
Declared load profile		-		Water heating energy efficiency	η_{wh}	-	9	
Daily electricity consumption	Q _{elec}	-	kWh	Daily fuel consumption	Q _{fuel}	-	kV	
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	G	

			Technic	al parameters			
Model(s):		UE BIBLO	OC AEROTHE	RM V17 (14KW) /TRIF.) / UI BIBLO	OC AEROTHE	RM V17 (10 ~ 16K	W) (TRIF
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 he	eater:			YES			
Heat pump combination heater:				NO			
Declared climate condition:				COLDER			
Parameters are declared for mediu	ım-temperatu	re application.					
ltem	Symbol	Value	Unit	Item	Symbol	Value	Uni
Rated heat output (*)	Prated	14	kW	Seasonal space heating energy efficiency	ηѕ	103	%
Declared capacity for heating for pand outdoor temperature Tj	part load at	indoor tempera	ature 20 °C	Declared coefficient of perform indoor temperature 20 °C and			part load
Tj = -7 °C	Pdh	8.8	kW	Тј = -7°С	COPd	2.19	-
Tj = 2°C	Pdh	5.3	kW	Tj = 2℃	COPd	3.17	-
Tj = 7°C	Pdh	3.5	kW	Тј = 7°С	COPd	4.45	-
тj = 12°С	Pdh	2.4	kW	Tj = 12°C	COPd	6.15	_
Tj = bivalent temperature	Pdh	10.4	kW	Tj = bivalent temperature	COPd	1.88	-
Tj = operating limit temperature	Pdh	7.1	kW	Tj = operating limit temperature	COPd 1.29		-
For air-to-water heat pumps:	Pdh	-	kW	For air-to-water heat pumps: Tj = -15 \odot	COPd	-	-
Bivalent temperature	T _{biv}	-12	°C	For air-to-water heat pumps: Operation limit temperature	TOL	-20	°C
Cycling interval capacity for heating	P _{cych}	-	kW	Cycling interval efficiency	COP _{cyc}	-	-
Degradation co-efficient (**)	C _{dh}	0.9		Heating water operating limit temperature	W _{TOL}	60	°C
Power consumption in modes other	er than activ	e mode		Supplementary heater	•		
Off mode	P _{off}	0.019	kW	Data di basal sa la 1/4#\	D		
Standby mode	P _{sb}	0.019	kW	Rated heat output (**)	Psup	14.1	kW
Thermostat-off mode	P _{to}	0.078	kW	Type of energy input		Electrical	
Crankcase heater mode	P _{ck}	0.014	kW	<u> </u>			
Other items							
Capacity control		variable		For air-to-water heat pumps: Rated air flow rate, outdoors	_	6500	m³/l
Sound power level, indoors/ outdoors	L _{WA}	-	dB	For water- or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat	_	-	m ³ /
Annual energy consumption	Q _{HE}	13120	kWh	exchanger			
For heat pump combination heater	r:						
Declared load profile		-		Water heating energy efficiency	η_{wh}	-	%
Daily electricity consumption	Q _{elec}	-	kWh	Daily fuel consumption	Q _{fuel}	-	kW
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	GJ
		R ESCODA SA					

Model(s):		UE BIE	SLUC AEROTI	HERM V17 (14KW) /TRIF.) / UI BIE	SLOC AEROTHER	kivi V17 (10 ~ 1	υKW)
Air-to-water heat pump:	YES YES						
Water-to-water heat pump:				NO			
Brine-to-water heat pump:				NO			
Low-temperature heat pump:				NO			
Equipped with a supplementary h	eater:			YES			
Heat pump combination heater:				NO			
Declared climate condition:				WARMER			
Parameters are declared for medi	um-temperatu	re application.					
ltem	Symbol	Value	Unit	Item	Symbol	Value	U
Rated heat output (*)	Prated	14	kW	Seasonal space heating energy efficiency	ηs	165	9
Declared capacity for heating for and outdoor temperature Tj	part load at	indoor tempera	ature 20 °C	Declared coefficient of perform indoor temperature 20 °C and			part loa
Tj = -7℃	Pdh	-	kW	Tj = -7 ℃	COPd	-	
Tj = 2 °C	Pdh	14.1	kW	Тј = 2℃	COPd	2.31	
Tj = 7 °C	Pdh	9.3	kW	Tj = 7 C	COPd	3.45	
Tj = 12 °C	Pdh	4.2	kW	Tj = 12 °C	COPd	5.76	
Tj = bivalent temperature	Pdh	14.1	kW	Tj = bivalent temperature	COPd	2.31	
Tj = operating limit	Pdh	14.1	kW	Tj = operating limit	COPd	2.31	-
For air-to-water heat pumps:	Pdh	-	kW	For air-to-water heat pumps: Tj = -15 $^{\circ}$ C	COPd	-	
Bivalent temperature	T _{biv}	2	°C	For air-to-water heat pumps: Operation limit temperature	TOL	2	°(
Cycling interval capacity for heating	P _{cych}	-	kW	Cycling interval efficiency	COP _{cyc}	-	
Degradation co-efficient (**)	C _{dh}	0.9		Heating water operating limit temperature	W _{TOL}	60	°(
Power consumption in modes oth	er than activ	e mode		Supplementary heater			
Off mode	P _{off}	0.019	kW	Data di basal sa ta 1 (†*)	D		
Standby mode	P _{sb}	0.019	kW	Rated heat output (**)	Psup	0	k۱
Thermostat-off mode	P _{to}	0.078	kW	Type of energy input		Electrical	
Crankcase heater mode	P _{ck}	0.014	kW				
Other items							
Capacity control		variable		For air-to-water heat pumps: Rated air flow rate, outdoors	_	6500	m [:]
Sound power level, indoors/ outdoors	L _{WA}	-	dB	For water- or brine-to-water heat pumps: Rated brine or		-	m ^s
Annual energy consumption	Q _{HE}	3807	kWh	water flow rate, outdoor heat exchanger			
For heat pump combination heate	er:						
Declared load profile		-		Water heating energy efficiency	η _{wh}	-	9
Daily electricity consumption	Q _{elec}	-	kWh	Daily fuel consumption	Q _{fuel}	-	k۱
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	G
	SALVADOR	R ESCODA SA					

			Technic	al parameters			
Model(s):		UE BIBLO	OC AEROTHE	RM V17 (16KW) /TRIF.) / UI BIBLO	OC AEROTHE	RM V17 (10 ~ 16K	W) (TRIF
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 he	eater:			YES			
Heat pump combination heater:				NO			
Declared climate condition:				AVERAGE			
Parameters are declared for medic	um-temperatu	re application.					
ltem	Symbol	Value	Unit	Item	Symbol	Value	Uni
Rated heat output (*)	Prated	15	kW	Seasonal space heating energy efficiency	ηs	128	%
Declared capacity for heating for pand outdoor temperature Tj	part load at	indoor tempera	ature 20 °C	Declared coefficient of perform indoor temperature 20 °C and			part load
тј = -7℃	Pdh	13.0	kW	Tj = -7℃	COPd	2.01	-
Tj = 2°C	Pdh	8.2	kW	Tj = 2℃	COPd	3.05	-
Tj = 7 C	Pdh	5.4	kW	Tj = 7°C	COPd	4.74	-
Tj = 12 C	Pdh	3.6	kW	Tj = 12°C	COPd	7.03	-
Tj = bivalent temperature	Pdh	12.6	kW	Tj = bivalent temperature	COPd	2.07	-
Tj = operating limit	Pdh	10.9	kW	Tj = operating limit	COPd	1.67	-
For air-to-water heat pumps: Tj = -15℃	Pdh	-	kW	For air-to-water heat pumps: Tj = -15 $^{\circ}$ C	COPd	-	-
Bivalent temperature	T _{biv}	-6	°C	For air-to-water heat pumps: Operation limit temperature	TOL	-10	°C
Cycling interval capacity for heating	P _{cych}	-	kW	Cycling interval efficiency	COP _{cyc}	-	-
Degradation co-efficient (**)	C _{dh}	0.9		Heating water operating limit temperature	W _{TOL}	60	°C
Power consumption in modes other	er than activ	e mode		Supplementary heater			
Off mode	P _{off}	0.019	kW	Dated back autout (**)	Davis	4.0	1-14
Standby mode	P _{sb}	0.019	kW	Rated heat output (**)	Psup	4.0	kW
Thermostat-off mode	P _{to}	0.078	kW	Type of energy input		Electrical	
Crankcase heater mode	P _{ck}	0.014	kW				
Other items							
Capacity control		variable		For air-to-water heat pumps: Rated air flow rate, outdoors	_	6500	m³/
Sound power level, indoors/ outdoors	L _{WA}	45 / 72	dB	For water- or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat	_	-	m³/
Annual energy consumption	Q _{HE}	9394	kWh	exchanger			
For heat pump combination heater	r:						
Declared load profile		-		Water heating energy efficiency	η_{wh}	-	%
Daily electricity consumption	Q _{elec}	-	kWh	Daily fuel consumption	Q _{fuel}	-	kW
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	GJ
		R ESCODA SA					

Model(s):		UE BIE	BLOC AEROTI	HERM V17 (14KW) /TRIF.) / UI BIE	BLOC AEROTHE	ERM V17 (10 ~ 1	6KW		
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 h	eater:			YES					
Heat pump combination heater:				NO					
Declared climate condition:				COLDER					
Parameters are declared for medi	ium-temperat	ure application.							
ltem	Symbol	Value	Unit	Item	Symbol	Value			
Rated heat output (*)	Prated	15	kW	Seasonal space heating energy efficiency	ηs	101			
Declared capacity for heating for and outdoor temperature Tj	part load at	indoor tempera	ature 20 °C	Declared coefficient of perform indoor temperature 20 °C and			part		
Tj = -7 C	Pdh	9.0	kW	Tj = -7°C	COPd	2.15			
Tj = 2 °C	Pdh	5.5	kW	Tj = 2℃	COPd	3.20			
Tj = 7 °C	Pdh	3.5	kW	Tj = 7°C	COPd	4.42			
Tj = 12 °C	Pdh	2.4	kW	Tj = 12 °C	COPd	6.15			
Tj = bivalent temperature	Pdh	10.1	kW	Tj = bivalent temperature	COPd	1.85			
Tj = operating limit	Pdh	7.1	kW	Tj = operating limit	COPd	1.29			
For air-to-water heat pumps: Tj = -15℃	Pdh	-	kW	For air-to-water heat pumps: Tj = -15 $^{\circ}$ C	COPd	-			
Bivalent temperature	T _{biv}	-10	°C	For air-to-water heat pumps: Operation limit temperature	TOL	-20			
Cycling interval capacity for heating	P _{cych}	-	kW	Cycling interval efficiency	COP _{cyc}	-			
Degradation co-efficient (**)	C _{dh}	0.9	-	Heating water operating limit temperature	W _{TOL}	60			
Power consumption in modes oth	er than acti	ve mode		Supplementary heater	<u>'</u>	_			
Off mode	P _{off}	0.019	kW	Detect back subsub (**)	Davis	44.0			
Standby mode	P _{sb}	0.019	kW	Rated heat output (**)	Psup	14.8			
Thermostat-off mode	P _{to}	0.078	kW	Type of energy input		Electrical			
Crankcase heater mode	P _{ck}	0.014	kW						
Other items									
Capacity control		variable		For air-to-water heat pumps: Rated air flow rate, outdoors	_	6500			
Sound power level, indoors/ outdoors	L _{WA}	-	dB	For water- or brine-to-water heat pumps: Rated brine or		-			
Annual energy consumption	Q _{HE}	14002	kWh	water flow rate, outdoor heat exchanger					
For heat pump combination heate	er:								
Declared load profile		-		Water heating energy efficiency	η _{wh}	-			
Daily electricity consumption	Q _{elec}	-	kWh	Daily fuel consumption	Q _{fuel}	-			
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-			
	0411/450	R ESCODA SA							

			Technic	al parameters			
Model(s):		UE BIBLO	OC AEROTHE	RM V17 (14KW) /TRIF.) / UI BIBLO	OC AEROTHE	RM V17 (10 ~ 16K	W) (TRIF
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 he	eater:			YES			
Heat pump combination heater:				NO			
Declared climate condition:				WARMER			
Parameters are declared for mediu	ım-temperatu	re application.					
ltem	Symbol	Value	Unit	Item	Symbol	Value	Uni
Rated heat output (*)	Prated	15	kW	Seasonal space heating	ηs	178	%
Declared capacity for heating for pand outdoor temperature Tj	part load at	indoor tempera	ature 20 °C	energy efficiency Declared coefficient of perform indoor temperature 20 °C and	ance or prima		part load
Tj = -7 ℃	Pdh	-	kW	Tj = -7°C	COPd	-	-
Tj = 2°C	Pdh	15.2	kW	Tj = 2℃	COPd	2.42	-
Tj = 7°C	Pdh	9.9	kW	Tj = 7°C	COPd	3.80	-
Tj = 12°C	Pdh	4.4	kW	Tj = 12°C	COPd	6.08	-
Tj = bivalent temperature	Pdh	15.2	kW	Tj = bivalent temperature	COPd	2.42	-
Tj = operating limit	Pdh	15.2	kW	Tj = operating limit	COPd	2.42	-
For air-to-water heat pumps:	Pdh	-	kW	For air-to-water heat pumps:	COPd	-	-
Bivalent temperature	T _{biv}	2	°C	For air-to-water heat pumps: Operation limit temperature	TOL	2	°C
Cycling interval capacity for heating	P _{cych}	-	kW	Cycling interval efficiency	COP _{cyc}	-	-
Degradation co-efficient (**)	C _{dh}	0.9		Heating water operating limit temperature	W _{TOL}	60	°C
Power consumption in modes other	er than activ	e mode		Supplementary heater	!		
Off mode	P _{off}	0.019	kW				
Standby mode	P _{sb}	0.019	kW	Rated heat output (**)	Psup	0	kW
Thermostat-off mode	P _{to}	0.078	kW	Type of energy input		Floatrical	
Crankcase heater mode	P _{ck}	0.014	kW	Type of energy input		Electrical	
Other items							
Capacity control		variable		For air-to-water heat pumps: Rated air flow rate, outdoors	_	6500	m³/
Sound power level, indoors/ outdoors	L _{WA}	-	dB	For water- or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat	_	-	m³/
Annual energy consumption	Q _{HE}	3813	kWh	exchanger			
For heat pump combination heater	r:						
Declared load profile		-		Water heating energy efficiency	η_{wh}	-	%
Daily electricity consumption	Q _{elec}	-	kWh	Daily fuel consumption	Q_{fuel}	-	kW
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	GJ





www mundoclima com

ASK FOR MORE INFORMATION

Phone: (+34) 93 446 27 81 eMail: info@mundoclima.com

TECHNICAL ASSISTANCE

Phone: (+34) 93 652 53 57