

COMMISSION REGULATION (EU) No 813/2013 of 2 August 2013 implementing Directive 2009/125/EC of the European Parliament and of the Council with regard to ecodesign requirements for space heaters and combination heaters. ANNEX II, point 5, Table 2.

COMMISSION DELEGATED REGULATION (EU) No 811/2013 of 18 February 2013 supplementing Directive 2010/30/EU of the European Parliament and of the Council with regard to the energy labelling of space heaters, combination heaters, packages of space heater, temperature control and solar device and packages of combination heater, temperature control and solar device. ANNEX V, Table 8.

Model(s)	PROCIDA AWS XB4 (PROCIDA AWS 4 (O) + PROCIDA ITU 4)		
Air-to-water heat pump	x Yes	o No	
Water-to-water heat pump	o Yes	x No	
Brine-to-water heat pump	o Yes	x No	
Low-temperature heat pump	o Yes	x No	
Equipped with a supplementary heater	x Yes	o No	
Heat pump combination heater	x Yes	o No	
Climate conditions	x Average	o Colder	o Warmer
Temperature application	x Medium (55°C)	o Low (35°C)	
Applied Standards	EN14825 / EN16147		

Item	Symbol	Value	Unit
Rated heat output	Prated	5	kW
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = - 7°C	Pdh	4,0	kW
Degradation co-efficient	Cdh	0,99	-
Tj = + 2°C	Pdh	2,6	kW
Degradation co-efficient	Cdh	0,97	-
Tj = + 7°C	Pdh	2,3	kW
Degradation co-efficient	Cdh	0,95	-
Tj = + 12°C	Pdh	2,8	kW
Degradation co-efficient	Cdh	0,95	-
Tj = bivalent temperature	Pdh	4,0	kW
Tj = operation limit temperature	Pdh	3,8	kW
Tj = - 15 °C (if TOL < - 20 °C)	Pdh	-	kW
Bivalent temperature	Tbiv	- 7	°C
Cycling interval capacity for heating	Pcyc	-	kW

Power consumption in modes other than active mode			
Off mode	POFF	0,025	kW
Thermostat-off mode	PTO	0,025	kW
Standby mode	PSB	0,025	kW
Crankcase heater mode	PCK	0,025	kW

Other items			
Capacity control		variable	
Sound power level, indoors/ outdoors	LWA	42/62	dB
Annual energy consumption	QHE	3152	kWh

For heat pump combination heater			
Declared load profile	L		
Daily electricity consumption	Qelec	5,049	kWh
Annual electricity consumption	AEC	1011	kWh

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	ηs	128	%
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = - 7°C	COPd	2,03	-
Tj = + 2°C	COPd	3,27	-
Tj = + 7°C	COPd	4,30	-
Tj = + 12°C	COPd	6,00	-
Tj = bivalent temperature	COPd	2,03	-
Tj = operation limit temperature	COPd	1,38	-
Tj = - 15 °C (if TOL < - 20 °C)	COPd	-	-
Operation limit temperature	TOL	- 10	°C
Cycling interval efficiency	COPcyc	-	-
Heating water operating limit temperature	WTOL	60	°C

Supplementary heater			
Rated heat output	Psup	1,2	kW
Type of energy input	Electrical		

Rated air flow rate, outdoors	-	3200	m3/h
Rated brine or water flow rate, outdoor heat exchanger	-	-	m3/h

Water heating energy efficiency	ηwh	101	%
Daily fuel consumption	Qfuel	-	kWh
Annual fuel consumption	AFC	-	GJ

Contact details	Fondital S.p.A Via Cerreto 40, 25079 Vobarno (BS) - Italy
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Model(s)	PROCIDA AWS XB4 (PROCIDA AWS 4 (O) + PROCIDA ITU 4)		
Air-to-water heat pump	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
Water-to-water heat pump	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
Brine-to-water heat pump	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
Low-temperature heat pump	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
Equipped with a supplementary heater	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
Heat pump combination heater	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
Climate conditions	<input type="checkbox"/> Average	<input checked="" type="checkbox"/> Colder	<input type="checkbox"/> Warmer
Temperature application	<input checked="" type="checkbox"/> Medium (55°C)	<input type="checkbox"/> Low (35°C)	
Applied Standards	EN14825 / EN16147		

Item	Symbol	Value	Unit
Rated heat output	Prated	3	kW
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = - 7°C	Pdh	1,9	kW
Degradation co-efficient	Cdh	0,98	-
Tj = + 2°C	Pdh	1,9	kW
Degradation co-efficient	Cdh	0,96	-
Tj = + 7°C	Pdh	2,6	kW
Degradation co-efficient	Cdh	0,95	-
Tj = + 12°C	Pdh	2,9	kW
Degradation co-efficient	Cdh	0,94	-
Tj = bivalent temperature	Pdh	2,7	kW
Tj = operation limit temperature	Pdh	2,3	kW
Tj = - 15 °C (if TOL < - 20 °C)	Pdh	2,7	kW
Bivalent temperature	Tbiv	- 15	°C
Cycling interval capacity for heating	Pcyh	-	kW

Power consumption in modes other than active mode			
Off mode	POFF	0,025	kW
Thermostat-off mode	PTO	0,025	kW
Standby mode	PSB	0,025	kW
Crankcase heater mode	PCK	0,025	kW

Other items			
Capacity control		variable	
Sound power level, indoors/ outdoors	LWA	42/62	dB
Annual energy consumption	QHE	3015	kWh

For heat pump combination heater			
Declared load profile		L	
Daily electricity consumption	Qelec	6,277	kWh
Annual electricity consumption	AEC	1252	kWh

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	ηs	95	%
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = - 7°C	COPd	1,72	-
Tj = + 2°C	COPd	3,41	-
Tj = + 7°C	COPd	5,29	-
Tj = + 12°C	COPd	6,71	-
Tj = bivalent temperature	COPd	1,35	-
Tj = operation limit temperature	COPd	1,10	-
Tj = - 15 °C (if TOL < - 20 °C)	COPd	1,35	-
Operation limit temperature	TOL	- 22	°C
Cycling interval efficiency	COPcyc	-	-
Heating water operating limit temperature	WTOL	60	°C

Supplementary heater			
Rated heat output	Psup	0,7	kW
Type of energy input	Electrical		

Rated air flow rate, outdoors	-	3200	m3/h
Rated brine or water flow rate, outdoor heat exchanger	-	-	m3/h

Water heating energy efficiency	ηwh	82	%
Daily fuel consumption	Qfuel	-	kWh
Annual fuel consumption	AFC	-	GJ

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Model(s)	PROCIDA AWS XB4 (PROCIDA AWS 4 (O) + PROCIDA ITU 4)		
Air-to-water heat pump	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
Water-to-water heat pump	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
Brine-to-water heat pump	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
Low-temperature heat pump	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
Equipped with a supplementary heater	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
Heat pump combination heater	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
Climate conditions	<input type="checkbox"/> Average	<input type="checkbox"/> Colder	<input checked="" type="checkbox"/> Warmer
Temperature application	<input checked="" type="checkbox"/> Medium (55°C)	<input type="checkbox"/> Low (35°C)	
Applied Standards	EN14825 / EN16147		

Item	Symbol	Value	Unit
Rated heat output	Prated	4	kW
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = - 7°C	Pdh	-	kW
Degradation co-efficient	Cdh	-	-
Tj = + 2°C	Pdh	4,2	kW
Degradation co-efficient	Cdh	0,99	-
Tj = + 7°C	Pdh	2,6	kW
Degradation co-efficient	Cdh	0,97	-
Tj = + 12°C	Pdh	2,7	kW
Degradation co-efficient	Cdh	0,95	-
Tj = bivalent temperature	Pdh	4,2	kW
Tj = operation limit temperature	Pdh	4,2	kW
Tj = - 15 °C (if TOL < - 20 °C)	Pdh	-	kW
Bivalent temperature	Tbiv	2	°C
Cycling interval capacity for heating	Pcyc	-	kW

Power consumption in modes other than active mode			
Off mode	POFF	0,025	kW
Thermostat-off mode	PTO	0,025	kW
Standby mode	PSB	0,025	kW
Crankcase heater mode	PCK	0,025	kW

Other items			
Capacity control		variable	
Sound power level, indoors/ outdoors	LWA	42/62	dB
Annual energy consumption	QHE	1365	kWh

For heat pump combination heater			
Declared load profile		L	
Daily electricity consumption	Qelec	6,25	kWh
Annual electricity consumption	AEC	1246	kWh

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	ηs	154	%
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = - 7°C	COPd	-	-
Tj = + 2°C	COPd	2,10	-
Tj = + 7°C	COPd	3,40	-
Tj = + 12°C	COPd	5,55	-
Tj = bivalent temperature	COPd	2,10	-
Tj = operation limit temperature	COPd	2,10	-
Tj = - 15 °C (if TOL < - 20 °C)	COPd	-	-
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	Electrical		

Rated air flow rate, outdoors	-	3200	m3/h
Rated brine or water flow rate, outdoor heat exchanger	-	-	m3/h

Water heating energy efficiency	ηwh	82	%
Daily fuel consumption	Qfuel	-	kWh
Annual fuel consumption	AFC	-	GJ

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Model(s)	PROCIDA AWS XB4 (PROCIDA AWS 4 (O) + PROCIDA ITU 4)		
Air-to-water heat pump	x Yes	o No	
Water-to-water heat pump	o Yes	x No	
Brine-to-water heat pump	o Yes	x No	
Low-temperature heat pump	o Yes	x No	
Equipped with a supplementary heater	x Yes	o No	
Heat pump combination heater	x Yes	o No	
Climate conditions	x Average	o Colder	o Warmer
Temperature application	o Medium (55°C)	x Low (35°C)	
Applied Standards	EN14825 / EN16147		

Item	Symbol	Value	Unit
Rated heat output	Prated	5	kW
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = - 7°C	Pdh	4,6	kW
Degradation co-efficient	Cdh	0,98	-
Tj = + 2°C	Pdh	2,9	kW
Degradation co-efficient	Cdh	0,96	-
Tj = + 7°C	Pdh	2,6	kW
Degradation co-efficient	Cdh	0,94	-
Tj = + 12°C	Pdh	2,8	kW
Degradation co-efficient	Cdh	0,94	-
Tj = bivalent temperature	Pdh	4,6	kW
Tj = operation limit temperature	Pdh	4,2	kW
Tj = - 15 °C (if TOL < - 20 °C)	Pdh	-	kW
Bivalent temperature	Tbiv	- 7	°C
Cycling interval capacity for heating	Pcyc	-	kW

Power consumption in modes other than active mode			
Off mode	POFF	0,025	kW
Thermostat-off mode	PTO	0,025	kW
Standby mode	PSB	0,025	kW
Crankcase heater mode	PCK	0,025	kW

Other items			
Capacity control	variable		
Sound power level, indoors/ outdoors	LWA	42/62	dB
Annual energy consumption	QHE	2216	kWh

For heat pump combination heater			
Declared load profile	L		
Daily electricity consumption	Qelec	5,049	kWh
Annual electricity consumption	AEC	1011	kWh

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	ηs	184	%
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = - 7°C	COPd	3,23	-
Tj = + 2°C	COPd	4,59	-
Tj = + 7°C	COPd	6,39	-
Tj = + 12°C	COPd	6,37	-
Tj = bivalent temperature	COPd	3,23	-
Tj = operation limit temperature	COPd	2,56	-
Tj = - 15 °C (if TOL < - 20 °C)	COPd	-	-
Operation limit temperature	TOL	- 10	°C
Cycling interval efficiency	COPcyc	-	-
Heating water operating limit temperature	WTOL	60	°C

Supplementary heater			
Rated heat output	Psup	0,8	kW
Type of energy input	Electrical		

Rated air flow rate, outdoors	-	3200	m3/h
Rated brine or water flow rate, outdoor heat exchanger	-	-	m3/h

Water heating energy efficiency	ηwh	101	%
Daily fuel consumption	Qfuel	-	kWh
Annual fuel consumption	AFC	-	GJ

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Model(s)	PROCIDA AWS XB4 (PROCIDA AWS 4 (O) + PROCIDA ITU 4)		
Air-to-water heat pump	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
Water-to-water heat pump	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
Brine-to-water heat pump	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
Low-temperature heat pump	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
Equipped with a supplementary heater	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
Heat pump combination heater	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
Climate conditions	<input type="checkbox"/> Average	<input checked="" type="checkbox"/> Colder	<input type="checkbox"/> Warmer
Temperature application	<input type="checkbox"/> Medium (55°C)	<input checked="" type="checkbox"/> Low (35°C)	
Applied Standards	EN14825 / EN16147		

Item	Symbol	Value	Unit
Rated heat output	Prated	4	kW
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = - 7°C	Pdh	2,4	kW
Degradation co-efficient	Cdh	0,97	-
Tj = + 2°C	Pdh	2,3	kW
Degradation co-efficient	Cdh	0,94	-
Tj = + 7°C	Pdh	2,7	kW
Degradation co-efficient	Cdh	0,94	-
Tj = + 12°C	Pdh	2,6	kW
Degradation co-efficient	Cdh	0,93	-
Tj = bivalent temperature	Pdh	3,1	kW
Tj = operation limit temperature	Pdh	2,8	kW
Tj = - 15 °C (if TOL < - 20 °C)	Pdh	3,1	kW
Bivalent temperature	Tbiv	- 15	°C
Cycling interval capacity for heating	Pcyc	-	kW

Power consumption in modes other than active mode			
Off mode	POFF	0,025	kW
Thermostat-off mode	PTO	0,025	kW
Standby mode	PSB	0,025	kW
Crankcase heater mode	PCK	0,025	kW

Other items			
Capacity control		variable	
Sound power level, indoors/ outdoors	LWA	42/62	dB
Annual energy consumption	QHE	2662	kWh

For heat pump combination heater			
Declared load profile		L	
Daily electricity consumption	Qelec	6,277	kWh
Annual electricity consumption	AEC	1252	kWh

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	ηs	145	%
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = - 7°C	COPd	2,68	-
Tj = + 2°C	COPd	5,34	-
Tj = + 7°C	COPd	7,04	-
Tj = + 12°C	COPd	6,90	-
Tj = bivalent temperature	COPd	2,06	-
Tj = operation limit temperature	COPd	1,19	-
Tj = - 15 °C (if TOL < - 20 °C)	COPd	2,03	-
Operation limit temperature	TOL	- 22	°C
Cycling interval efficiency	COPcyc	-	-
Heating water operating limit temperature	WTOL	60	°C

Supplementary heater			
Rated heat output	Psup	1,3	kW
Type of energy input	Electrical		

Rated air flow rate, outdoors	-	3200	m3/h
Rated brine or water flow rate, outdoor heat exchanger	-	-	m3/h

Water heating energy efficiency	ηwh	82	%
Daily fuel consumption	Qfuel	-	kWh
Annual fuel consumption	AFC	-	GJ

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Air-to-water heat pump	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
Water-to-water heat pump	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
Brine-to-water heat pump	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
Low-temperature heat pump	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
Equipped with a supplementary heater	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
Heat pump combination heater	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
Climate conditions	<input type="checkbox"/> Average	<input type="checkbox"/> Colder	<input checked="" type="checkbox"/> Warmer
Temperature application	<input type="checkbox"/> Medium (55°C)	<input checked="" type="checkbox"/> Low (35°C)	
Applied Standards	EN14825 / EN16147		

Item	Symbol	Value	Unit
Rated heat output	Prated	5	kW
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = - 7°C	Pdh	-	kW
Degradation co-efficient	Cdh	-	-
Tj = + 2°C	Pdh	4,8	kW
Degradation co-efficient	Cdh	0,98	-
Tj = + 7°C	Pdh	3,3	kW
Degradation co-efficient	Cdh	0,96	-
Tj = + 12°C	Pdh	2,9	kW
Degradation co-efficient	Cdh	0,93	-
Tj = bivalent temperature	Pdh	4,8	kW
Tj = operation limit temperature	Pdh	4,8	kW
Tj = - 15 °C (if TOL < - 20 °C)	Pdh	-	kW
Bivalent temperature	Tbiv	2	°C
Cycling interval capacity for heating	Pcyc	-	kW

Power consumption in modes other than active mode			
Off mode	POFF	0,025	kW
Thermostat-off mode	PTO	0,025	kW
Standby mode	PSB	0,025	kW
Crankcase heater mode	PCK	0,025	kW

Other items			
Capacity control		variable	
Sound power level, indoors/ outdoors	LWA	42/62	dB
Annual energy consumption	QHE	1137	kWh

For heat pump combination heater			
Declared load profile		L	
Daily electricity consumption	Qelec	6,25	kWh
Annual electricity consumption	AEC	1246	kWh

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	ηs	232	%
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	3,46	-
Tj = + 7°C	COPd	5,57	-
Tj = + 12°C	COPd	7,60	-
Tj = bivalent temperature	COPd	3,46	-
Tj = operation limit temperature	COPd	3,46	-
Tj = - 15 °C (if TOL < - 20 °C)	COPd	-	-
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	Electrical		

Rated air flow rate, outdoors	-	3200	m3/h
Rated brine or water flow rate, outdoor heat exchanger	-	-	m3/h

Water heating energy efficiency	ηwh	82	%
Daily fuel consumption	Qfuel	-	kWh
Annual fuel consumption	AFC	-	GJ

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