

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 AWM X12		
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	o Yes	x No	
Heat pump combination heater	o Yes	x No	
Climate conditions	x Average	o Colder	o Warmer
Temperature application	x Medium (55°C)	o Low (35°C)	
Applied Standards	EN14825		

Item	Symbol	Value	Unit
<b>Rated heat output</b>	<b>Prated</b>	<b>10</b>	<b>kW</b>
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = - 7°C	Pdh	8.4	kW
Degradation co-efficient	Cdh	0.99	-
Tj = + 2°C	Pdh	6.8	kW
Degradation co-efficient	Cdh	0.99	-
Tj = + 7°C	Pdh	7.3	kW
Degradation co-efficient	Cdh	0.99	-
Tj = + 12°C	Pdh	9.5	kW
Degradation co-efficient	Cdh	0.98	-
Tj = bivalent temperature	Pdh	8.4	kW
Tj = operation limit temperature	Pdh	10.1	kW
Tj = - 15 °C (if TOL < - 20 °C)	Pdh	-	kW
Bivalent temperature	Tbiv	-7	°C
Cycling interval capacity for heating	Pcych	-	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	0.000	kW

Other items			
Capacity control	variable		
Sound power level, indoors/ outdoors	LWA	-/69	dB
Annual energy consumption	QHE	6119	kWh

Item	Symbol	Value	Unit
<b>Seasonal space heating energy efficiency</b>	<b>ηs</b>	<b>126</b>	<b>%</b>
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = - 7°C	COPd	2.01	-
Tj = + 2°C	COPd	3.06	-
Tj = + 7°C	COPd	4.25	-
Tj = + 12°C	COPd	6.50	-
Tj = bivalent temperature	COPd	2.01	-
Tj = operation limit temperature	COPd	1.78	-
Tj = - 15 °C (if TOL < - 20 °C)	COPd	-	-
Operation limit temperature	TOL	-25	°C
Cycling interval efficiency	COPcyc	-	-
Heating water operating limit temperature	WTOL	60	°C

Supplementary heater			
Rated heat output	Psup	-	kW
Type of energy input	-		

Rated air flow rate, outdoors	-	4500	m3/h
Rated brine or water flow rate, outdoor heat exchanger	-	-	m3/h

Contact details	<b>Fondital S.p.A</b> <b>Via Cerreto 40, 25079 Vobarno (BS) - Italy</b>
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Model(s)	PROCIDA AWM X12		
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	o Yes	x No	
Heat pump combination heater	o Yes	x No	
Climate conditions	o Average	x Colder	o Warmer
Temperature application	x Medium (55°C)	o Low (35°C)	
Applied Standards	EN14825		

Item	Symbol	Value	Unit
<b>Rated heat output</b>	<b>Prated</b>	<b>8</b>	<b>kW</b>
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = - 7°C	Pdh	6.0	kW
Degradation co-efficient	Cdh	0.99	-
Tj = + 2°C	Pdh	6.0	kW
Degradation co-efficient	Cdh	0.99	-
Tj = + 7°C	Pdh	7.4	kW
Degradation co-efficient	Cdh	0.99	-
Tj = + 12°C	Pdh	9.7	kW
Degradation co-efficient	Cdh	0.99	-
Tj = bivalent temperature	Pdh	6.7	kW
Tj = operation limit temperature	Pdh	8.0	kW
Tj = - 15 °C (if TOL < - 20 °C)	Pdh	6.7	kW
Bivalent temperature	Tbiv	-15	°C
Cycling interval capacity for heating	Pcych	-	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	0.020	kW
Crankcase heater mode	PCK	0.000	kW

Other items			
Capacity control	variable		
Sound power level, indoors/ outdoors	LWA	-/69	dB
Annual energy consumption	QHE	7691	kWh

Item	Symbol	Value	Unit
<b>Seasonal space heating energy efficiency</b>	<b>ηs</b>	<b>103</b>	<b>%</b>
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = - 7°C	COPd	2.09	-
Tj = + 2°C	COPd	2.99	-
Tj = + 7°C	COPd	4.66	-
Tj = + 12°C	COPd	6.96	-
Tj = bivalent temperature	COPd	1.91	-
Tj = operation limit temperature	COPd	1.51	-
Tj = - 15 °C (if TOL < - 20 °C)	COPd	1.91	-
Operation limit temperature	TOL	-25	°C
Cycling interval efficiency	COPcyc	-	-
Heating water operating limit temperature	WTOL	60	°C

Supplementary heater			
Rated heat output	Psup	-	kW
Type of energy input	-		

Rated air flow rate, outdoors	-	4500	m3/h
Rated brine or water flow rate, outdoor heat exchanger	-	-	m3/h

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<b>Model(s)</b>				<b>PROCIDA AWM X12</b>			
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	o Yes	x No					
Heat pump combination heater	o Yes	x No					
Climate conditions	o Average		o Colder		x Warmer		
Temperature application	x Medium (55°C)		o Low (35°C)				
Applied Standards	EN14825						

  

<b>Item</b>	<b>Symbol</b>	<b>Value</b>	<b>Unit</b>	<b>Item</b>	<b>Symbol</b>	<b>Value</b>	<b>Unit</b>
<b>Rated heat output</b>	<b>Prated</b>	<b>8</b>	<b>kW</b>	<b>Seasonal space heating energy efficiency</b>	<b><math>\eta_s</math></b>	<b>150</b>	<b>%</b>
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = - 7°C	Pdh	-	kW	Tj = - 7°C	COPd	-	-
Degradation co-efficient	Cdh	-	-	Tj = + 2°C	COPd	2.27	-
Tj = + 2°C	Pdh	7.8	kW	Tj = + 7°C	COPd	2.97	-
Degradation co-efficient	Cdh	0.99	-	Tj = + 12°C	COPd	5.52	-
Tj = + 7°C	Pdh	6.5	kW	Tj = bivalent temperature	COPd	2.27	-
Degradation co-efficient	Cdh	0.99	-	Tj = operation limit temperature	COPd	2.27	-
Tj = + 12°C	Pdh	9.5	kW	Tj = - 15 °C (if TOL < - 20 °C)	COPd	-	-
Degradation co-efficient	Cdh	0.98	-	Operation limit temperature	TOL	-25	°C
Tj = bivalent temperature	Pdh	7.8	kW	Cycling interval efficiency	COPcyc	-	-
Tj = operation limit temperature	Pdh	7.8	kW	Heating water operating limit temperature	WTOL	60	°C
Tj = - 15 °C (if TOL < - 20 °C)	Pdh	-	kW				
Bivalent temperature	Tbiv	2	°C				
Cycling interval capacity for heating	Pcych	-	kW				

  

<b>Power consumption in modes other than active mode</b>				<b>Supplementary heater</b>			
Off mode	POFF	0.025	kW	Rated heat output	Psup	-	kW
Thermostat-off mode	PTO	0.025	kW	Type of energy input	-		
Standby mode	PSB	0.020	kW				
Crankcase heater mode	PCK	0.000	kW				

  

<b>Other items</b>							
Capacity control	variable			Rated air flow rate, outdoors	-	4500	m3/h
Sound power level, indoors/ outdoors	LWA	-/69	dB	Rated brine or water flow rate, outdoor heat exchanger	-	-	m3/h
Annual energy consumption	QHE	2723	kWh				

  

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Model(s)	PROCIDA AWM X12		
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	o Yes	x No	
Heat pump combination heater	o Yes	x No	
Climate conditions	x Average	o Colder	o Warmer
Temperature application	o Medium (55°C)	x Low (35°C)	
Applied Standards	EN14825		

Item	Symbol	Value	Unit
<b>Rated heat output</b>	<b>Prated</b>	<b>11</b>	<b>kW</b>
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = - 7°C	Pdh	9.4	kW
Degradation co-efficient	Cdh	0.99	-
Tj = + 2°C	Pdh	5.8	kW
Degradation co-efficient	Cdh	0.98	-
Tj = + 7°C	Pdh	7.7	kW
Degradation co-efficient	Cdh	0.98	-
Tj = + 12°C	Pdh	9.6	kW
Degradation co-efficient	Cdh	0.97	-
Tj = bivalent temperature	Pdh	9.4	kW
Tj = operation limit temperature	Pdh	10.8	kW
Tj = - 15 °C (if TOL < - 20 °C)	Pdh	-	kW
Bivalent temperature	Tbiv	-7	°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	0.020	kW
Crankcase heater mode	PCK	0.010	kW

Other items			
Capacity control	variable		
Sound power level, indoors/ outdoors	LWA	-/69	dB
Annual energy consumption	QHE	4902	kWh

Item	Symbol	Value	Unit
<b>Seasonal space heating energy efficiency</b>	<b>ηs</b>	<b>177</b>	<b>%</b>
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = - 7°C	COPd	3.07	-
Tj = + 2°C	COPd	4.24	-
Tj = + 7°C	COPd	5.82	-
Tj = + 12°C	COPd	8.21	-
Tj = bivalent temperature	COPd	3.07	-
Tj = operation limit temperature	COPd	2.42	-
Tj = - 15 °C (if TOL < - 20 °C)	COPd	-	-
Operation limit temperature	TOL	-25	°C
Cycling interval efficiency	COPcyc	-	-
Heating water operating limit temperature	WTOL	60	°C

Supplementary heater			
Rated heat output	Psup	-	kW
Type of energy input	-		

Rated air flow rate, outdoors	-	4500	m3/h
Rated brine or water flow rate, outdoor heat exchanger	-	-	m3/h

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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	o Yes	x No	
Heat pump combination heater	o Yes	x No	
Climate conditions	o Average	x Colder	o Warmer
Temperature application	o Medium (55°C)	x Low (35°C)	
Applied Standards	EN14825		

Item	Symbol	Value	Unit
<b>Rated heat output</b>	<b>Prated</b>	<b>8</b>	<b>kW</b>
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = - 7°C	Pdh	6.6	kW
Degradation co-efficient	Cdh	0.98	-
Tj = + 2°C	Pdh	5.2	kW
Degradation co-efficient	Cdh	0.98	-
Tj = + 7°C	Pdh	7.8	kW
Degradation co-efficient	Cdh	0.97	-
Tj = + 12°C	Pdh	9.8	kW
Degradation co-efficient	Cdh	0.97	-
Tj = bivalent temperature	Pdh	6.5	kW
Tj = operation limit temperature	Pdh	9.2	kW
Tj = - 15 °C (if TOL < - 20 °C)	Pdh	6.5	kW
Bivalent temperature	Tbiv	-15	°C
Cycling interval capacity for heating	Pcych	-	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	0.020	kW
Crankcase heater mode	PCK	0.000	kW

Other items			
Capacity control	variable		
Sound power level, indoors/ outdoors	LWA	-/69	dB
Annual energy consumption	QHE	5444	kWh

Item	Symbol	Value	Unit
<b>Seasonal space heating energy efficiency</b>	<b>ηs</b>	<b>141</b>	<b>%</b>
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = - 7°C	COPd	3.03	-
Tj = + 2°C	COPd	4.15	-
Tj = + 7°C	COPd	5.93	-
Tj = + 12°C	COPd	8.26	-
Tj = bivalent temperature	COPd	2.22	-
Tj = operation limit temperature	COPd	2.01	-
Tj = - 15 °C (if TOL < - 20 °C)	COPd	2.22	-
Operation limit temperature	TOL	-25	°C
Cycling interval efficiency	COPcyc	-	-
Heating water operating limit temperature	WTOL	60	°C

Supplementary heater			
Rated heat output	Psup	-	kW
Type of energy input	-		

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Model(s)	PROCIDA AWM X12		
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	o Yes	x No	
Heat pump combination heater	o Yes	x No	
Climate conditions	o Average	o Colder	x Warmer
Temperature application	o Medium (55°C)	x Low (35°C)	
Applied Standards	EN14825		

Item	Symbol	Value	Unit
<b>Rated heat output</b>	<b>Prated</b>	<b>11</b>	<b>kW</b>
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	11.0	kW
Degradation co-efficient	Cdh	0.99	-
Tj = + 7°C	Pdh	8.4	kW
Degradation co-efficient	Cdh	0.98	-
Tj = + 12°C	Pdh	9.6	kW
Degradation co-efficient	Cdh	0.97	-
Tj = bivalent temperature	Pdh	11.0	kW
Tj = operation limit temperature	Pdh	11.0	kW
Tj = - 15 °C (if TOL < - 20 °C)	Pdh	-	kW
Bivalent temperature	Tbiv	2	°C
Cycling interval capacity for heating	Pcych	-	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	0.020	kW
Crankcase heater mode	PCK	0.000	kW

Other items			
Capacity control	variable		
Sound power level, indoors/ outdoors	LWA	-/69	dB
Annual energy consumption	QHE	2555	kWh

Item	Symbol	Value	Unit
<b>Seasonal space heating energy efficiency</b>	<b>ηs</b>	<b>227</b>	<b>%</b>
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	3.24	-
Tj = + 7°C	COPd	5.10	-
Tj = + 12°C	COPd	7.39	-
Tj = bivalent temperature	COPd	3.24	-
Tj = operation limit temperature	COPd	3.24	-
Tj = - 15 °C (if TOL < - 20 °C)	COPd	-	-
Operation limit temperature	TOL	-25	°C
Cycling interval efficiency	COPcyc	-	-
Heating water operating limit temperature	WTOL	60	°C

Supplementary heater			
Rated heat output	Psup	-	kW
Type of energy input	-		

Rated air flow rate, outdoors	-	4500	m3/h
Rated brine or water flow rate, outdoor heat exchanger	-	-	m3/h

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