

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 T16		
Air-to-water heat pump	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Water-to-water heat pump	<input type="radio"/> Yes	<input checked="" type="radio"/> No	
Brine-to-water heat pump	<input type="radio"/> Yes	<input checked="" type="radio"/> No	
Low-temperature heat pump	<input type="radio"/> Yes	<input checked="" type="radio"/> No	
Equipped with a supplementary heater	<input type="radio"/> Yes	<input checked="" type="radio"/> No	
Heat pump combination heater	<input type="radio"/> Yes	<input checked="" type="radio"/> No	
Climate conditions	<input checked="" type="radio"/> Average	<input type="radio"/> Colder	<input type="radio"/> Warmer
Temperature application	<input checked="" type="radio"/> Medium (55°C)	<input type="radio"/> Low (35°C)	
Applied Standards	EN14825		

Item	Symbol	Value	Unit
<b>Rated heat output</b>	<b>Prated</b>	<b>13</b>	<b>kW</b>
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = - 7°C	Pdh	11.2	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	11.2	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	0.018	kW
Thermostat-off mode	PTO	0.018	kW
Standby mode	PSB	0.018	kW
Crankcase heater mode	PCK	0.000	kW

Other items			
Capacity control	variable		
Sound power level, indoors/ outdoors	LWA	-/72	dB
Annual energy consumption	QHE	7945	kWh

Item	Symbol	Value	Unit
<b>Seasonal space heating energy efficiency</b>	<b>ηs</b>	<b>128</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	1.96	-
Tj = + 2°C	COPd	3.22	-
Tj = + 7°C	COPd	4.25	-
Tj = + 12°C	COPd	6.49	-
Tj = bivalent temperature	COPd	1.96	-
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	3,0	kW
Type of energy input	Electric		

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 T16	
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>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	7.8	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	8.9	kW
Tj = operation limit temperature	Pdh	8.1	kW
Tj = – 15 °C (if TOL < – 20 °C)	Pdh	8.9	kW
Bivalent temperature	Tbiv	-15	°C
Cycling interval capacity for heating	Pcyc	-	kW

  

Power consumption in modes other than active mode			
Off mode	POFF	0.018	kW
Thermostat-off mode	PTO	0.018	kW
Standby mode	PSB	0.018	kW
Crankcase heater mode	PCK	0.000	kW

  

Other items			
Capacity control	variable		
Sound power level, indoors/ outdoors	LWA	-/72	dB
Annual energy consumption	QHE	10532	kWh

  

Seasonal space heating energy efficiency			
	<b>ηs</b>	<b>100</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	1.91	-
Tj = + 2°C	COPd	2.98	-
Tj = + 7°C	COPd	4.66	-
Tj = + 12°C	COPd	6.92	-
Tj = bivalent temperature	COPd	1.86	-
Tj = operation limit temperature	COPd	1.50	-
Tj = – 15 °C (if TOL < – 20 °C)	COPd	1.86	-
Operation limit temperature	TOL	-25	°C
Cycling interval efficiency	COPcyc	-	-
Heating water operating limit temperature	WTOL	60	°C

  

Supplementary heater			
Rated heat output	Psup	3,0	kW
Type of energy input	Electric		

  

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<b>Model(s)</b>	<b>PROCIDA AWM T16</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>Rated heat output</b>	<b>Prated</b>	<b>9</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	8.8	kW
Degradation co-efficient	Cdh	1.00	-
Tj = + 7°C	Pdh	6.5	kW
Degradation co-efficient	Cdh	0.99	-
Tj = + 12°C	Pdh	9.5	kW
Degradation co-efficient	Cdh	0.98	-
Tj = bivalent temperature	Pdh	8.8	kW
Tj = operation limit temperature	Pdh	8.8	kW
Tj = - 15 °C (if TOL < - 20 °C)	Pdh	-	kW
Bivalent temperature	Tbiv	2	°C
Cycling interval capacity for heating	Pcych	-	kW

<b>Item</b>	<b>Symbol</b>	<b>Value</b>	<b>Unit</b>
<b>Seasonal space heating energy efficiency</b>	<b>ηs</b>	<b>150</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	2.17	-
Tj = + 7°C	COPd	2.96	-
Tj = + 12°C	COPd	5.49	-
Tj = bivalent temperature	COPd	2.17	-
Tj = operation limit temperature	COPd	2.17	-
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

<b>Power consumption in modes other than active mode</b>			
Off mode	POFF	0.018	kW
Thermostat-off mode	PTO	0.018	kW
Standby mode	PSB	0.018	kW
Crankcase heater mode	PCK	0.000	kW

<b>Supplementary heater</b>			
Rated heat output	Psup	-	kW
Type of energy input	-		

<b>Other items</b>			
Capacity control	variable		
Sound power level, indoors/ outdoors	LWA	-/72	dB
Annual energy consumption	QHE	3073	kWh

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

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Model(s)	PROCIDA AWM T16		
Air-to-water heat pump	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Water-to-water heat pump	<input type="radio"/> Yes	<input checked="" type="radio"/> No	
Brine-to-water heat pump	<input type="radio"/> Yes	<input checked="" type="radio"/> No	
Low-temperature heat pump	<input type="radio"/> Yes	<input checked="" type="radio"/> No	
Equipped with a supplementary heater	<input type="radio"/> Yes	<input checked="" type="radio"/> No	
Heat pump combination heater	<input type="radio"/> Yes	<input checked="" type="radio"/> No	
Climate conditions	<input checked="" type="radio"/> Average	<input type="radio"/> Colder	<input type="radio"/> Warmer
Temperature application	<input type="radio"/> Medium (55°C)	<input checked="" type="radio"/> Low (35°C)	
Applied Standards	EN14825		

Item	Symbol	Value	Unit
<b>Rated heat output</b>	<b>Prated</b>	<b>13</b>	<b>kW</b>
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = - 7°C	Pdh	11.4	kW
Degradation co-efficient	Cdh	0.99	-
Tj = + 2°C	Pdh	7.0	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	11.4	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	Ppsych	-	kW

Power consumption in modes other than active mode			
Off mode	POFF	0.000	kW
Thermostat-off mode	PTO	0.025	kW
Standby mode	PSB	0.025	kW
Crankcase heater mode	PCK	0.010	kW

Other items			
Capacity control	variable		
Sound power level, indoors/ outdoors	LWA	-/72	dB
Annual energy consumption	QHE	6276	kWh
Rated air flow rate, outdoors			
	-	4500	m3/h
Rated brine or water flow rate, outdoor heat exchanger			
	-	-	m3/h

Item	Symbol	Value	Unit
<b>Seasonal space heating energy efficiency</b>	<b>ηs</b>	<b>166</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	2.65	-
Tj = + 2°C	COPd	3.98	-
Tj = + 7°C	COPd	5.82	-
Tj = + 12°C	COPd	8.21	-
Tj = bivalent temperature	COPd	2.65	-
Tj = operation limit temperature	COPd	2.43	-
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	3,0	kW
Type of energy input	Electric		

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Air-to-water heat pump	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Water-to-water heat pump	<input type="radio"/> Yes	<input checked="" type="radio"/> No	
Brine-to-water heat pump	<input type="radio"/> Yes	<input checked="" type="radio"/> No	
Low-temperature heat pump	<input type="radio"/> Yes	<input checked="" type="radio"/> No	
Equipped with a supplementary heater	<input type="radio"/> Yes	<input checked="" type="radio"/> No	
Heat pump combination heater	<input type="radio"/> Yes	<input checked="" type="radio"/> No	
Climate conditions	<input type="radio"/> Average	<input checked="" type="radio"/> Colder	<input type="radio"/> Warmer
Temperature application	<input type="radio"/> Medium (55°C)	<input checked="" type="radio"/> 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	8.0	kW
Degradation co-efficient	Cdh	0.98	-
Tj = + 2°C	Pdh	6.3	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	8.7	kW
Tj = operation limit temperature	Pdh	9.2	kW
Tj = - 15 °C (if TOL < - 20 °C)	Pdh	8.7	kW
Bivalent temperature	Tbiv	-15	°C
Cycling interval capacity for heating	Pcyc	-	kW

Power consumption in modes other than active mode			
Off mode	POFF	0.018	kW
Thermostat-off mode	PTO	0.018	kW
Standby mode	PSB	0.018	kW
Crankcase heater mode	PCK	0.000	kW

Other items			
Capacity control	variable		
Sound power level, indoors/ outdoors	LWA	-/72	dB
Annual energy consumption	QHE	7553	kWh

Item	Symbol	Value	Unit
<b>Seasonal space heating energy efficiency</b>	<b>ηs</b>	<b>136</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	2.83	-
Tj = + 2°C	COPd	3.98	-
Tj = + 7°C	COPd	5.94	-
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 T16			
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
Rated heat output	Prated	13	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	13.2	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	13.2	kW
Tj = operation limit temperature	Pdh	13.2	kW
Tj = – 15 °C (if TOL < – 20 °C)	Pdh	-	kW
Bivalent temperature	Tbiv	2	°C
Cycling interval capacity for heating	Pcych	-	kW

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	ηs	228	%
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	3.04	-
Tj = + 7°C	COPd	5.10	-
Tj = + 12°C	COPd	7.39	-
Tj = bivalent temperature	COPd	3.04	-
Tj = operation limit temperature	COPd	3.04	-
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

Power consumption in modes other than active mode			
Off mode	POFF	0.018	kW
Thermostat-off mode	PTO	0.018	kW
Standby mode	PSB	0.018	kW
Crankcase heater mode	PCK	0.000	kW

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

Other items			
Capacity control	variable		
Sound power level, indoors/ outdoors	LWA	-/72	dB
Annual energy consumption	QHE	3070	kWh

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

Contact details	Fondital S.p.A Via Cerreto 40, 25079 Vobarno (BS) - Italy		
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