### Technical parameters for heat pump space heaters and heat pump combination heaters

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requirements for space heaters and combination heaters. ANNEX II, point 5, Table 2.

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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.

temperature control and solar device. ANNE							
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	x Average			o Colder	o Warmer		
Temperature application	x Medium (55	5°C)		o Low (35°C)			
Applied Standards	EN14825						
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
	Symbol	Value	onic	Seasonal space heating energy	Symbol	Value	onit
Rated heat output	Prated	13	kW	efficiency	ηs	128	%
Declared capacity for heating for part lo	ad at indoor te	mperature 2	20 °C and	Declared coefficient of performance or p	rimary energy	ratio for pa	rt load at
outdoor temperature Tj		•		indoor temperature 20 °C and outdoor te		•	
Tj = - 7°C	Pdh	11.2	kW				
Degradation co-efficient	Cdh	0.99	-	Tj = - 7°C	COPd	1.96	-
Ti = + 2°C	Pdh	6.8	kW				
Degradation co-efficient	Cdh	0.99	-	Tj = + 2°C	COPd	3.22	-
Tj = + 7°C	Pdh	7.3	kW				
Degradation co-efficient	Cdh	0.99	_	Tj = + 7°C	COPd	4.25	-
Ti = + 12°C	Pdh	9.5	kW				
Degradation co-efficient	Cdh	0.98	_	Tj = + 12°C	COPd	6.49	-
Tj = bivalent temperature	Pdh	11.2	kW	Tj = bivalent temperature	COPd	1.96	_
Tj = operation limit temperature	Pdh	10.1	kW	Ti = operation limit temperature	COPd	1.78	_
Tj = $-15$ °C (if TOL < $-20$ °C)	Pdh	-	kW	$T_j = -15 \text{ °C} (\text{if } TOL < -20 \text{ °C})$	COPd	-	_
Bivalent temperature	Tbiv	-7	°C	Operation limit temperature	TOL	-25	°C
		,		Cycling interval efficiency	СОРсус	-	-
Cycling interval capacity for heating	Pcych	_	kW	Heating water operating limit	corcyc		
	reyen		NVV	temperature	WTOL	60	°C
Power consumption in modes other	than active n	node		Supplementary heater			
Off mode	POFF	0.018	kW	Rated heat output	Psup	-	kW
Thermostat-off mode	PTO	0.018	kW		· ·		
Standby mode	PSB	0.018	kW	Type of energy input		-	
Crankcase heater mode	РСК	0.000	kW				
Other items							
Capacity control		variable		Rated air flow rate, outdoors	-	4500	m3/h
	LWA	-/72	dB	Rated brine or water flow rate, outdoor			
Sound power level, indoors/ outdoors	LVVA	,,,_	üb	heat exchanger	-	-	m3/h

Contact details

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

### Technical parameters for heat pump space heaters and heat pump combination heaters

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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	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	Average x Colder o Warmer						
Temperature application	x Medium (55	5°C)		o Low (35°C)				
Applied Standards	EN14825							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit	
Rated heat output	Prated	11	kW	Seasonal space heating energy efficiency	ηs	100	%	
Declared capacity for heating for part looutdoor temperature Tj	oad at indoor te	mperature	20 °C and	Declared coefficient of performance or p indoor temperature 20 °C and outdoor to		ratio for pa	rt load a	
Tj = - 7°C	Pdh	7.8	kW	T: 7%C	CODI	1.04	-	
Degradation co-efficient	Cdh	0.99	-	— Tj = - 7°C	COPd	1.91		
Tj = + 2°C	Pdh	6.0	kW	<b>T</b> i 000	COPd	2.98		
Degradation co-efficient	Cdh	0.99	-	— Tj = + 2°C			-	
Tj = + 7°C	Pdh	7.4	kW	Tj = + 7°C	COPd	4.66		
Degradation co-efficient	Cdh	0.99	-				-	
Tj = + 12°C	Pdh	9.7	kW	T 42%C	COPd	6.92		
Degradation co-efficient	Cdh	0.99	-	Tj = + 12°C				
Tj = bivalent temperature	Pdh	8.9	kW	Tj = bivalent temperature	COPd	1.86	-	
Tj = operation limit temperature	Pdh	8.1	kW	Tj = operation limit temperature	COPd	1.50	-	
Tj = – 15 °C (if TOL < – 20 °C)	Pdh	8.9	kW	Tj = – 15 °C (if TOL < – 20 °C)	COPd	1.86	-	
Bivalent temperature	Tbiv	-15	°C	Operation limit temperature	TOL	-25	°C	
				Cycling interval efficiency	COPcyc	-	-	
Cycling interval capacity for heating	Pcych	-	kW	Heating water operating limit temperature	WTOL	60	°C	
Power consumption in modes othe	r than active n	node		Supplementary heater				
Off mode	POFF	0.018	kW	Rated heat output	Psup	-	kW	
Thermostat-off mode	РТО	0.018	kW			-		
Standby mode	PSB	0.018	kW	Type of energy input		-		
Crankcase heater mode	РСК	0.000	kW					
Other items								
Capacity control		variable		Rated air flow rate, outdoors	-	4500	m3/	
Sound power level, indoors/ outdoors	LWA	-/72	dB	Rated brine or water flow rate, outdoor	-	-	m3/ł	
Annual energy consumption	QHE	10532	kWh	heat exchanger				
				Fondital	S.p.A			

Contact details

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

### Technical parameters for heat pump space heaters and heat pump combination heaters

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requirements for space heaters and combination heaters. ANNEX II, point 5, Table 2.

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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	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			
Femperature application	x Medium (55	°C)		o Low (35°C)				
Applied Standards	EN14825							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit	
Rated heat output	Prated	9	kW	Seasonal space heating energy efficiency	ηs	150	%	
Declared capacity for heating for part lo outdoor temperature Tj	ad at indoor te	mperature 2	20 °C and	Declared coefficient of performance or p indoor temperature 20 °C and outdoor te		ratio for pa	rt load a	
Tj = - 7°C	Pdh	-	kW					
Degradation co-efficient	Cdh	-	-	Tj = - 7°C	COPd	-	-	
Tj = + 2°C	Pdh	8.8	kW	T: 010				
Degradation co-efficient	Cdh	1.00	-	Tj = + 2°C	COPd	2.17	-	
Гј = + 7°С	Pdh	6.5	kW	T' . 700				
Degradation co-efficient	Cdh	0.99	-	Tj = + 7°C	COPd	2.96	-	
Гј = + 12°С	Pdh	9.5	kW	T: 1000				
Degradation co-efficient	Cdh	0.98	-	Tj = + 12°C	COPd	5.49	-	
Γj = bivalent temperature	Pdh	8.8	kW	Tj = bivalent temperature	COPd	2.17	-	
Гј = operation limit temperature	Pdh	8.8	kW	Tj = operation limit temperature	COPd	2.17	-	
Гј = — 15 °С (if TOL < — 20 °С)	Pdh	-	kW	Tj = – 15 °C (if TOL < – 20 °C)	COPd	-	-	
Bivalent temperature	Tbiv	2	°C	Operation limit temperature	TOL	-25	°C	
				Cycling interval efficiency	COPcyc	-	-	
Cycling interval capacity for heating	Pcych	-	kW	Heating water operating limit temperature	WTOL	60	°C	
Power consumption in modes other	than active n	node		Supplementary heater				
Off mode	POFF	0.018	kW	Rated heat output	Psup	-	kW	
Thermostat-off mode	PTO	0.018	kW					
Standby mode	PSB	0.018	kW	Type of energy input		-		
Crankcase heater mode	PCK	0.000	kW					
Other items								
Capacity control		variable		Rated air flow rate, outdoors	-	4500	m3/h	
Sound power level, indoors/ outdoors	LWA	-/72	dB	Rated brine or water flow rate, outdoor	-	-	m3/h	
Annual energy consumption	QHE	3073	kWh	heat exchanger				
Annual energy consumption Contact details	QHE	3073	kWh	Fondital Via Cerreto 40, 25079 V	•	Italy		

Via Cerreto 40, 25079 Vobarno (BS) - Italy

### Technical parameters for heat pump space heaters and heat pump combination heaters

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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.

	1						
Model(s)		- NI		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	x Average				o Warmer		
Temperature application	o Medium (55	5°C)		x Low (35°C)			
Applied Standards	EN14825						
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output	Prated	13	kW	Seasonal space heating energy efficiency	ηs	166	%
Declared capacity for heating for part lo	ad at indoor te	mperature 2	20 °C and	Declared coefficient of performance or p	rimary energy	ratio for pa	rt load at
outdoor temperature Tj		-		indoor temperature 20 °C and outdoor te		•	
Tj = - 7°C	Pdh	11.4	kW			2.65	
Degradation co-efficient	Cdh	0.99	-	Tj = - 7°C	COPd	2.65	-
Tj = + 2°C	Pdh	7.0	kW	T	COPd	3.98	
Degradation co-efficient	Cdh	0.98	-	Tj = + 2°C			-
Tj = + 7°C	Pdh	7.7	kW	Tj = + 7°C	COPd	5.82	
Degradation co-efficient	Cdh	0.98	-				-
Tj = + 12°C	Pdh	9.6	kW				
Degradation co-efficient	Cdh	0.97	-	Tj = + 12°C	COPd	8.21	-
Tj = bivalent temperature	Pdh	11.4	kW	Tj = bivalent temperature	COPd	2.65	-
Tj = operation limit temperature	Pdh	10.8	kW	Tj = operation limit temperature	COPd	2.43	_
Tj = – 15 °C (if TOL < – 20 °C)	Pdh	-	kW	Tj = – 15 °C (if TOL < – 20 °C)	COPd	-	-
Bivalent temperature	Tbiv	-7	°C	Operation limit temperature	TOL	-25	°C
				Cycling interval efficiency	COPcyc	-	-
Cycling interval capacity for heating	Pcych	-	kW	Heating water operating limit	WTOL	60	°C
				temperature	WIOL	60	ر ر
Power consumption in modes other	than active n	node		Supplementary heater			
Off mode	POFF	0.000	kW	Rated heat output	Psup	-	kW
Thermostat-off mode	РТО	0.025	kW		· · ·		
Standby mode	PSB	0.025	kW	Type of energy input	-		
Crankcase heater mode	РСК	0.010	kW				
Other items							
Capacity control		variable		Rated air flow rate, outdoors	-	4500	m3/h
Sound power level, indoors/ outdoors	LWA	-/72	dB	Rated brine or water flow rate, outdoor	_	_	m3/h
Annual energy consumption	QHE	6276	kWh	heat exchanger			
Contact details				Fondital S Via Cerreto 40, 25079 V	•	- Italy	

### Technical parameters for heat pump space heaters and heat pump combination heaters

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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.

NA a dal(a)							
Model(s)	y Voc	o No		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	o Medium (55	5°C)		x Low (35°C)			
Applied Standards	EN14825						
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output	Prated	11	kW	Seasonal space heating energy efficiency	ηs	136	%
Declared capacity for heating for part lo outdoor temperature Tj	oad at indoor te	mperature 2	20 °C and	Declared coefficient of performance or p indoor temperature 20 °C and outdoor to		ratio for pa	rt load at
Ti = - 7°C	Pdh	8.0	kW				
Degradation co-efficient	Cdh	0.98	-	Tj = - 7°C	COPd	2.83	-
Ti = + 2°C	Pdh	6.3	kW		COPd	3.98	
Degradation co-efficient	Cdh	0.98	-	Tj = + 2°C			-
$Tj = +7^{\circ}C$	Pdh	7.8	kW		COPd	5.94	
Degradation co-efficient	Cdh	0.97	-	Tj = + 7°C			-
Ti = + 12°C	Pdh	9.8	kW				
Degradation co-efficient	Cdh	0.97	-	Tj = + 12°C	COPd	8.26	-
Tj = bivalent temperature	Pdh	8.7	kW	Tj = bivalent temperature	COPd	2.22	-
Tj = operation limit temperature	Pdh	9.2	kW	Tj = operation limit temperature	COPd	2.01	-
Tj = – 15 °C (if TOL < – 20 °C)	Pdh	8.7	kW	$T_j = -15 \text{ °C} (\text{if TOL} < -20 \text{ °C})$	COPd	2.22	_
Bivalent temperature	Tbiv	-15	°C	Operation limit temperature	TOL	-25	°C
		15		Cycling interval efficiency	COPcyc	-	-
Cycling interval capacity for heating	Pcych	-	kW	Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other	r than active n	node		Supplementary heater			
Off mode	POFF	0.018	kW	Rated heat output	Deuro		kW
Thermostat-off mode	PUFF	0.018	kW		Psup	-	ĸvv
Standby mode	PTO	0.018	kW	Type of energy input			
Crankcase heater mode	PSB	0.018	kW	Type of ellergy linput	-		
	FCK	0.000	ĸvv				
Other items							
Capacity control		variable		Rated air flow rate, outdoors	-	4500	m3/h
Sound power level, indoors/ outdoors	LWA	-/72	dB	Rated brine or water flow rate, outdoor heat exchanger	-	-	m3/h
Annual energy consumption	QHE	7553	kWh				
Contact details				Fondital Via Cerreto 40, 25079	•	- Italy	

### Technical parameters for heat pump space heaters and heat pump combination heaters

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temperature control and solar device. ANNEX V, Table 8.

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	5°C)		x Low (35°C)				
Applied Standards	EN14825							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit	
Rated heat output	Prated	13	kW	Seasonal space heating energy efficiency	ηs	228	%	
Declared capacity for heating for part lo	ad at indoor te	mperature 2	20 °C and	Declared coefficient of performance or p	rimary energy	ratio for pa	rt load a	
outdoor temperature Tj				indoor temperature 20 °C and outdoor to	emperature Tj			
Tj = - 7°C	Pdh	-	kW	Ti = - 7°C	COPd	_	-	
Degradation co-efficient	Cdh	-	-	IJ7 C		-		
Tj = + 2°C	Pdh	13.2	kW	Tj = + 2°C	COPd	3.04	-	
Degradation co-efficient	Cdh	0.99	-					
Tj = + 7°C	Pdh	8.4	kW	Tj = + 7°C	COPd	5.10	_	
Degradation co-efficient	Cdh	0.98	-				-	
Tj = + 12°C	Pdh	9.6	kW	Ti _ + 12°C	COD4	7.39	_	
Degradation co-efficient	Cdh	0.97	-	Tj = + 12°C	COPd	7.59	-	
Tj = bivalent temperature	Pdh	13.2	kW	Tj = bivalent temperature	COPd	3.04	-	
Tj = operation limit temperature	Pdh	13.2	kW	Tj = operation limit temperature	COPd	3.04	-	
Tj = – 15 °C (if TOL < – 20 °C)	Pdh	-	kW	Tj = – 15 °C (if TOL < – 20 °C)	COPd	-	-	
Bivalent temperature	Tbiv	2	°C	Operation limit temperature	TOL	-25	°C	
				Cycling interval efficiency	COPcyc	-	-	
Cycling interval capacity for heating	Pcych	-	kW	Heating water operating limit temperature	WTOL	60	°C	
Power consumption in modes other	than active n	node		Supplementary heater				
Off mode	POFF	0.018	kW	Rated heat output	Psup	-	kW	
Thermostat-off mode	PTO	0.018	kW					
Standby mode	PSB	0.018	kW	Type of energy input	-			
Crankcase heater mode	PCK	0.000	kW					
Other items								
Capacity control		variable		Rated air flow rate, outdoors	-	4500	m3/ł	
	1							
Sound power level, indoors/ outdoors	LWA	-/72	dB	Rated brine or water flow rate, outdoor heat exchanger	-	-	m3/ł	

Contact details

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