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

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 AW | 5 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 (5 | 5°C) | o Low (35°C) | |
| Applied Standards | EN14825 / EI | N16147 | | |

| Item | Symbol | Value | Unit | Item | Symbol | Value | Unit |
|----------------------------------------------------------------------|-----------------|-----------|-----------|-------------------------------------------------------------------------------------|--------|--------------|------------|
| Rated heat output | Prated | 5 | kW | Seasonal space heating energy efficiency | ηs | 128 | % |
| Declared capacity for heating for part loa outdoor temperature Ti | ad at indoor te | mperature | 20 °C and | Declared coefficient of performance or p indoor temperature 20 °C and outdoor te | | ratio for pa | rt load at |
| Tj = - 7°C | Pdh | 4,0 | kW | | | | |
| Degradation co-efficient | Cdh | 0,99 | - | Tj = - 7°C | COPd | 2,03 | - |
| Tj = + 2°C | Pdh | 2,6 | kW | | | | |
| Degradation co-efficient | Cdh | 0,97 | - | Tj = + 2°C | COPd | 3,27 | - |
| Tj = + 7℃ | Pdh | 2,3 | kW | | | | |
| Degradation co-efficient | Cdh | 0,95 | - | Tj = + 7°C | COPd | 4,30 | - |
| Tj = + 12°C | Pdh | 2,8 | kW | | | | |
| Degradation co-efficient | Cdh | 0,95 | - | Tj = + 12°C | COPd | 6,00 | - |
| Tj = bivalent temperature | Pdh | 4,0 | kW | Tj = bivalent temperature | COPd | 2,03 | _ |
| Tj = operation limit temperature | Pdh | 3,8 | kW | Tj = operation limit temperature | COPd | 1,38 | _ |
| 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 | - 10 | °C |
| | 1.517 | , | | 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 | 0,025 | kW | Rated heat output | Psup | 1,2 | kW |
| Thermostat-off mode | РТО | 0,025 | kW | · · · · · · · · · · · · · · · · · · · | • | , | |
| Standby mode | PSB | 0,025 | kW | Type of energy input | | Electrical | |
| Crankcase heater mode | PCK | 0,025 | kW | | | | |
| Other items | | | | | | | |
| Capacity control | | variable | | Rated air flow rate, outdoors | - | 3200 | m3/h |
| Sound power level, indoors/ outdoors | LWA | 42/62 | dB | Rated brine or water flow rate, outdoor | _ | - | m3/h |
| Annual energy consumption | QHE | 3152 | kWh | heat exchanger | | | , |
| For heat pump combination heater | | | | | | | |
| Declared load profile | | L | | Water heating energy efficiency | ηwh | 101 | % |
| Daily electricity consumption | Qelec | 5,049 | kWh | Daily fuel consumption | Qfuel | - | kWh |
| , , , | | | | · · · | - | | |

Contact details

Annual electricity consumption

AEC

1011

kWh

Annual fuel consumption

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

AFC

GJ

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

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 | o Average | | x Colder | o Warmer |
| Temperature application | x Medium | (55°C) | o Low (35°C) | |
| Applied Standards | EN14825/ | EN16147 | | |

| Item | Symbol Value | Value | Unit | Item | Symbol | Value | Unit |
|----------------------------------------------------------------------|-----------------|-----------|-----------------------------|-------------------------------------------------------------------------------------|--------|--------------|------------|
| Rated heat output | Prated | 3 | kW | Seasonal space heating energy efficiency | ηs | 95 | % |
| Declared capacity for heating for part loa outdoor temperature Ti | ad at indoor te | mperature | 20 °C and | Declared coefficient of performance or p indoor temperature 20 °C and outdoor te | | ratio for pa | rt load at |
| Ti = - 7°C | Pdh | 1,9 | kW | | | | |
| Degradation co-efficient | Cdh | 0,98 | - | Tj = - 7°C | COPd | 1,72 | - |
| Ti = + 2°C | Pdh | 1,9 | kW | | | | |
| Degradation co-efficient | Cdh | 0,96 | - | Tj = + 2°C | COPd | 3,41 | - |
| Ti = + 7°C | Pdh | 2,6 | kW | | | | |
| Degradation co-efficient | Cdh | 0,95 | - | Tj = + 7°C | COPd | 5,29 | - |
| Ti = + 12°C | Pdh | 2,9 | kW | | | | |
| Degradation co-efficient | Cdh | 0,94 | - | Tj = + 12°C | COPd | 6,71 | - |
| Tj = bivalent temperature | Pdh | 2,7 | kW | Tj = bivalent temperature | COPd | 1,35 | - |
| Tj = operation limit temperature | Pdh | 2,3 | kW | Tj = operation limit temperature | COPd | 1,10 | - |
| Tj = – 15 °C (if TOL < – 20 °C) | Pdh | 2,7 | kW | Tj = – 15 °C (if TOL < – 20 °C) | COPd | 1,35 | - |
| Bivalent temperature | Tbiv | - 15 | °C | Operation limit temperature | TOL | - 22 | °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 | 0,025 | kW | Rated heat output | Psup | 0,7 | kW |
| Thermostat-off mode | РТО | 0,025 | kW | · · · · · · · · · · · · · · · · · · · | • | | |
| Standby mode | PSB | 0,025 | kW | Type of energy input | | Electrical | |
| Crankcase heater mode | PCK | 0,025 | kW | | | | |
| Other items | | | | | | | |
| Capacity control | | variable | | Rated air flow rate, outdoors | - | 3200 | m3/h |
| Sound power level, indoors/ outdoors | LWA | 42/62 | dB | Rated brine or water flow rate, outdoor | - | - | m3/h |
| Annual energy consumption | QHE | 3015 | kWh | heat exchanger | | | |
| For heat pump combination heater | | | | | | | |
| Declared load profile | | 1 | | Water heating energy efficiency | nwh | 87 | % |

| Declared load profile | | L | | Water heating energy efficiency | ηwh | 82 | % |
|--------------------------------|-------|-------|-----|---------------------------------|-------|----|-----|
| Daily electricity consumption | Qelec | 6,277 | kWh | Daily fuel consumption | Qfuel | - | kWh |
| Annual electricity consumption | AEC | 1252 | kWh | Annual fuel consumption | AFC | - | GJ |

Contact details

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

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 | 5 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 | o Average | | o Colder | x Warmer |
| Temperature application | x Medium (5 | 5°C) | o Low (35°C) | |
| Applied Standards | EN14825 / E | N16147 | | |

| Item | Symbol | Value | Unit | Item | Symbol | Value | Unit |
|--------------------------------------------|-----------------|-----------|-----------|---------------------------------------------|---------------|------------|-----------|
| Rated heat output | Prated | 4 | kW | Seasonal space heating energy efficiency | ηs | 154 | % |
| Declared capacity for heating for part loa | ad at indoor te | mperature | 20 °C and | Declared coefficient of performance or p | | | rt load a |
| outdoor temperature Tj | | | | indoor temperature 20 °C and outdoor te | emperature Tj | | |
| Tj = - 7°C | Pdh | - | kW | Ti = - 7°C | COPd | | - |
| Degradation co-efficient | Cdh | - | - | ., | | | |
| Tj = + 2°C | Pdh | 4,2 | kW | Ti = + 2°C | COPd | 2,10 | - |
| Degradation co-efficient | Cdh | 0,99 | - | 1, 20 | | 2,10 | |
| Tj = + 7°C | Pdh | 2,6 | kW | /Tj = + 7°C | COPd | 3,40 | _ |
| Degradation co-efficient | Cdh | 0,97 | - | | coru | 5,40 | |
| Tj = + 12°C | Pdh | 2,7 | kW | Tj = + 12°C | COPd | 5,55 | _ |
| Degradation co-efficient | Cdh | 0,95 | - | 1 - + 12 C | COFU | 5,55 | - |
| Tj = bivalent temperature | Pdh | 4,2 | kW | Tj = bivalent temperature | COPd | 2,10 | - |
| Tj = operation limit temperature | Pdh | 4,2 | kW | Tj = operation limit temperature | COPd | 2,10 | - |
| 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 | 2 | °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 | 0,025 | kW | Rated heat output | Psup | 0,0 | kW |
| Thermostat-off mode | РТО | 0,025 | kW | | | | |
| Standby mode | PSB | 0,025 | kW | Type of energy input | | Electrical | |
| Crankcase heater mode | РСК | 0,025 | kW | | | | |
| Other items | | | | | | | |
| Capacity control | | variable | | Rated air flow rate, outdoors | - | 3200 | m3/h |
| Sound power level, indoors/ outdoors | LWA | 42/62 | dB | Rated brine or water flow rate, outdoor | - | _ | m3/h |
| Annual energy consumption | QHE | 1365 | kWh | heat exchanger | | | , |
| For heat pump combination heater | | | | | | | |
| Declared load profile | | L | | Water heating energy efficiency | ηwh | 82 | % |
| | | | | | | | |

| - | |
|---------|---------|
| Contact | details |

Daily electricity consumption

Annual electricity consumption

Qelec

AEC

6,25

1246

kWh

kWh

Daily fuel consumption

Annual fuel consumption

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

Qfuel

AFC

kWh

GJ

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

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 | o Medium | (55°C) | x Low (35°C) | |
| Applied Standards | EN14825/ | EN16147 | | |

| Item | Symbol | Value | /alue Unit | Item | Symbol | Value | Unit | |
|--------------------------------------------|-----------------|-----------|-----------------------------|---------------------------------------------|---------------|--------------|------------|--|
| Rated heat output | Prated | 5 | kW | Seasonal space heating energy efficiency | ηs | 184 | % | |
| Declared capacity for heating for part loa | ad at indoor te | mperature | 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 te | emperature Tj | | | |
| Tj = - 7°C | Pdh | 4,6 | kW | Ti = - 7°C | COPd | 3,23 | | |
| Degradation co-efficient | Cdh | 0,98 | - | IJ = - 7 C | COPa | 3,23 | - | |
| Tj = + 2°C | Pdh | 2,9 | kW | T: | COD4 | 4 5 0 | | |
| Degradation co-efficient | Cdh | 0,96 | - | Tj = + 2°C | COPd | 4,59 | - | |
| Tj = + 7°C | Pdh | 2,6 | kW | T 7%C | 60.0.1 | 6.20 | | |
| Degradation co-efficient | Cdh | 0,94 | - | Tj = + 7°C | COPd | 6,39 | - | |
| Tj = + 12°C | Pdh | 2,8 | kW | | | | | |
| Degradation co-efficient | Cdh | 0,94 | - | Tj = + 12°C | COPd | 6,37 | - | |
| Tj = bivalent temperature | Pdh | 4,6 | kW | Tj = bivalent temperature | COPd | 3,23 | - | |
| Tj = operation limit temperature | Pdh | 4,2 | kW | Tj = operation limit temperature | COPd | 2,56 | - | |
| 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 | - 10 | °C | |
| | | | Cycling interval efficiency | COPcyc | - | - | | |
| Cycling interval capacity for heating | Pcych | - | kW | Heating water operating limit | WTOL | 60 | °C | |
| | | | | temperature | WIOL | 00 | L | |
| Power consumption in modes other | than active n | node | | Supplementary heater | | | | |
| Off mode | POFF | 0,025 | kW | Rated heat output | Psup | 0,8 | kW | |
| Thermostat-off mode | PTO | 0,025 | kW | | · | | | |
| Standby mode | PSB | 0,025 | kW | Type of energy input | | Electrical | | |
| Crankcase heater mode | PCK | 0,025 | kW | | | | | |
| Other items | | | | | | | | |
| Capacity control | | variable | 1 | Rated air flow rate, outdoors | - | 3200 | m3/h | |
| Sound power level, indoors/ outdoors | LWA | 42/62 | dB | Rated brine or water flow rate, outdoor | - | - | m3/h | |
| Annual energy consumption | QHE | 2216 | kWh | heat exchanger | | | | |
| For heat pump combination heater | | | | | | | | |
| Declared load profile | | L | | Water heating energy efficiency | ηwh | 101 | % | |
| Daily electricity consumption | Qelec | 5,049 | kWh | Daily fuel consumption | Qfuel | - | kWh | |
| Annual electricity consumption | AEC | 1011 | kWh | Annual fuel consumption | AFC | - | GJ | |
| Contact details | | | | Fondital Via Cerreto 40. 25079 \ | • | - Italv | | |

Via Cerreto 40, 25079 Vobarno (BS) - Italy

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

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 | o Average | | x Colder | o Warmer |
| Temperature application | o Medium (5 | 5°C) | x Low (35°C) | |
| Applied Standards | EN14825 / E | N16147 | | |

| Item | Symbol | Value | Unit | Item | Symbol | Value | Unit | |
|-------------------------------------------|------------------|-----------|-----------|---------------------------------------------|----------------|--------------|------------|--|
| Rated heat output | Prated | 4 | kW | Seasonal space heating energy efficiency | ηs | 145 | % | |
| Declared capacity for heating for part lo | oad at indoor te | mperature | 20 °C and | Declared coefficient of performance or | primary energy | ratio for pa | rt load at | |
| outdoor temperature Tj | | | | indoor temperature 20 °C and outdoor | temperature Tj | | | |
| Tj = - 7°C | Pdh | 2,4 | kW | T: 7%C | COD4 | 2.00 | | |
| Degradation co-efficient | Cdh | 0,97 | - | Tj = - 7°C | COPd | 2,68 | - | |
| Tj = + 2°C | Pdh | 2,3 | kW | T: | COD4 | E 24 | | |
| Degradation co-efficient | Cdh | 0,94 | - | Tj = + 2°C | COPd | 5,34 | - | |
| Tj = + 7°C | Pdh | 2,7 | kW | T: _ + 7°C | COPd | 7.04 | | |
| Degradation co-efficient | Cdh | 0,94 | - | Tj = + 7°C | COPu | 7,04 | - | |
| Tj = + 12°C | Pdh | 2,6 | kW | T: _ + 12°C | COD4 | C 00 | | |
| Degradation co-efficient | Cdh | 0,93 | - | Tj = + 12°C | COPd | 6,90 | - | |
| Tj = bivalent temperature | Pdh | 3,1 | kW | Tj = bivalent temperature | COPd | 2,06 | - | |
| Tj = operation limit temperature | Pdh | 2,8 | kW | Tj = operation limit temperature | COPd | 1,19 | - | |
| Tj = – 15 °C (if TOL < – 20 °C) | Pdh | 3,1 | kW | Tj = – 15 °C (if TOL < – 20 °C) | COPd | 2,03 | - | |
| Bivalent temperature | Tbiv | - 15 | °C | Operation limit temperature | TOL | - 22 | °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 | 0,025 | kW | Rated heat output | Psup | 1,3 | kW | |
| Thermostat-off mode | PTO | 0,025 | kW | | | | | |
| Standby mode | PSB | 0,025 | kW | Type of energy input | | Electrical | | |
| Crankcase heater mode | РСК | 0,025 | kW | | | | | |
| Other items | | | | | | | | |
| Capacity control | | variable | | Rated air flow rate, outdoors | - | 3200 | m3/h | |
| | | | | | | | | |

| Capacity control | variable | | | Rated air flow rate, outdoors | - | 3200 | m3/h |
|--------------------------------------|----------|-------|-----|-----------------------------------------|---|------|------|
| Sound power level, indoors/ outdoors | LWA | 42/62 | dB | Rated brine or water flow rate, outdoor | - | - | m3/h |
| Annual energy consumption | QHE | 2662 | kWh | heat exchanger | | | |

For heat pump combination heater

| Declared load profile | L | | | Water heating energy efficiency | ηwh | 82 | % |
|--------------------------------|-------|-------|-----|---------------------------------|-------|----|-----|
| Daily electricity consumption | Qelec | 6,277 | kWh | Daily fuel consumption | Qfuel | - | kWh |
| Annual electricity consumption | AEC | 1252 | kWh | Annual fuel consumption | AFC | - | GJ |

Contact details

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

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.

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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 AWS XB4 (PROCIDA AWS | 5 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 | o Average | | o Colder | x Warmer |
| Temperature application | o Medium (5 | 55°C) | x Low (35°C) | |
| Applied Standards | EN14825 / E | N16147 | | |

| Item | Symbol | Value | Unit | Item | Symbol | Value | Unit |
|-------------------------------------------|------------------|-------------|-----------|---------------------------------------------|------------------|--------------|-----------|
| Rated heat output | Prated | 5 | kW | Seasonal space heating energy efficiency | ηs | 232 | % |
| Declared capacity for heating for part lo | oad at indoor te | mperature 2 | 20 °C and | Declared coefficient of performance or | r primary energy | ratio for pa | rt load a |
| outdoor temperature Tj | | | | indoor temperature 20 °C and outdoor | temperature Tj | | |
| Tj = - 7°C | Pdh | - | kW | T: _ 7°C | COPd | | |
| Degradation co-efficient | Cdh | - | - | Tj = - 7°C | COPu | - | - |
| Tj = + 2°C | Pdh | 4,8 | kW | Tj = + 2°C | COPd | 2.40 | |
| Degradation co-efficient | Cdh | 0,98 | - | IJ = + 2 C | COPu | 3,46 | - |
| Tj = + 7°C | Pdh | 3,3 | kW | T: _ + 7°C | COPd | F F 7 | |
| Degradation co-efficient | Cdh | 0,96 | - | Tj = + 7°C | COPu | 5,57 | - |
| Tj = + 12°C | Pdh | 2,9 | kW | $T_{i} = + 12^{\circ}C$ | COD4 | 7.00 | |
| Degradation co-efficient | Cdh | 0,93 | - | Tj = + 12°C | COPd | 7,60 | - |
| Tj = bivalent temperature | Pdh | 4,8 | kW | Tj = bivalent temperature | COPd | 3,46 | - |
| Tj = operation limit temperature | Pdh | 4,8 | kW | Tj = operation limit temperature | COPd | 3,46 | - |
| 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 | 2 | °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 | 0,025 | kW | Rated heat output | Psup | 0,0 | kW |
| Thermostat-off mode | РТО | 0,025 | kW | | | | |
| Standby mode | PSB | 0,025 | kW | Type of energy input | | Electrical | |
| Crankcase heater mode | РСК | 0,025 | kW | | | | |
| Other items | | | | | | | |
| Capacity control | | variable | | Rated air flow rate, outdoors | _ | 3200 | m3/ł |

| Capacity control | variable | | | Rated air flow rate, outdoors | - | 3200 | m3/h |
|--------------------------------------|----------|-------|-----|-----------------------------------------|---|------|------|
| Sound power level, indoors/ outdoors | LWA | 42/62 | dB | Rated brine or water flow rate, outdoor | - | - | m3/h |
| Annual energy consumption | QHE | 1137 | kWh | heat exchanger | | | |

For heat pump combination heater

| Declared load profile | L | | | Water heating energy efficiency | ηwh | 82 | % |
|--------------------------------|-------|------|-----|---------------------------------|-------|----|-----|
| Daily electricity consumption | Qelec | 6,25 | kWh | Daily fuel consumption | Qfuel | - | kWh |
| Annual electricity consumption | AEC | 1246 | kWh | Annual fuel consumption | AFC | - | GJ |

Contact details

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

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 XB6 (PROCIDA AWS | 6 (O) + PROCIDA ITU 6) |
|--------------------------------------|-------------|--------|------------------------------|------------------------|
| 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 (5 | 5°C) | o Low (35°C) | |
| Applied Standards | EN14825 / E | N16147 | | |

| Item | Symbol | Value | Unit | Item | Symbol | Value | Unit | | |
|--------------------------------------------|-----------------|-----------|-----------|------------------------------------------------------------------------------|--------|------------|------|--|--|
| Rated heat output | Prated | 5 | kW | Seasonal space heating energy efficiency | ηs | 127 | % | | |
| Declared capacity for heating for part loa | ad at indoor te | mperature | 20 °C and | Declared coefficient of performance or primary energy ratio for part load at | | | | | |
| outdoor temperature Tj | | | | indoor temperature 20 °C and outdoor te | | | | | |
| Tj = - 7°C | Pdh | 4,0 | kW | Ti = - 7°C | COPd | 2,03 | | | |
| Degradation co-efficient | Cdh | 0,99 | - | IJ = - 7 C | COPu | 2,03 | - | | |
| Tj = + 2°C | Pdh | 2,6 | kW | Tj = + 2°C | COPd | 2.27 | | | |
| Degradation co-efficient | Cdh | 0,97 | - | 1j = + 2 C | COPu | 3,27 | - | | |
| Tj = + 7°C | Pdh | 2,4 | kW | Ti = + 7°C | COPd | 4 20 | _ | | |
| Degradation co-efficient | Cdh | 0,96 | - | 1j = + 7 C | COPu | 4,20 | - | | |
| Tj = + 12°C | Pdh | 2,8 | kW | Tj = + 12°C | COPd | 6,00 | _ | | |
| Degradation co-efficient | Cdh | 0,95 | - | IJ = + IZ C | COPu | 6,00 | - | | |
| Tj = bivalent temperature | Pdh | 4,0 | kW | Tj = bivalent temperature | COPd | 2,03 | - | | |
| Tj = operation limit temperature | Pdh | 3,8 | kW | Tj = operation limit temperature | COPd | 1,38 | - | | |
| 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 | - 10 | °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 | 0,025 | kW | Rated heat output | Psup | 1,2 | kW | | |
| Thermostat-off mode | РТО | 0,025 | kW | | • | | | | |
| Standby mode | PSB | 0,025 | kW | Type of energy input | | Electrical | | | |
| Crankcase heater mode | PCK | 0,025 | kW | | | | | | |
| Other items | | | | | | | | | |
| Capacity control | | variable | | Rated air flow rate, outdoors | - | 3200 | m3/h | | |
| Sound power level, indoors/ outdoors | LWA | 42/62 | dB | Rated brine or water flow rate, outdoor | - | - | m3/h | | |
| Annual energy consumption | QHE | 3169 | kWh | heat exchanger | | | | | |

For heat pump combination heater

| Declared load profile | L | | | Water heating energy efficiency | ηwh | 101 | % |
|--------------------------------|-------|-------|-----|---------------------------------|-------|-----|-----|
| Daily electricity consumption | Qelec | 5,049 | kWh | Daily fuel consumption | Qfuel | - | kWh |
| Annual electricity consumption | AEC | 1011 | kWh | Annual fuel consumption | AFC | - | GJ |

Contact details

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

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 XB6 (PROCIDA AWS | 6 (O) + PROCIDA ITU 6) |
|--------------------------------------|-------------|--------|------------------------------|------------------------|
| 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 | o Average | | x Colder | o Warmer |
| Temperature application | x Medium (5 | 5°C) | o Low (35°C) | |
| Applied Standards | EN14825 / E | N16147 | | |

| Item | Symbol | Value | Unit | Item | Symbol | Value | Unit |
|-------------------------------------------|------------------|-------------|-----------|---------------------------------------------|------------------|--------------|------------|
| Rated heat output | Prated | 4 | kW | Seasonal space heating energy efficiency | ηs | 104 | % |
| Declared capacity for heating for part lo | oad at indoor te | mperature 2 | 20 °C and | Declared coefficient of performance or | r primary energy | ratio for pa | rt load at |
| outdoor temperature Tj | | | | indoor temperature 20 °C and outdoor | temperature Tj | | |
| Tj = - 7°C | Pdh | 2,4 | kW | T: _ 7°C | COPd | 1.02 | |
| Degradation co-efficient | Cdh | 0,98 | - | Tj = - 7°C | COPu | 1,83 | - |
| Tj = + 2°C | Pdh | 2,1 | kW | T: _ + 2°C | COPd | 2.07 | |
| Degradation co-efficient | Cdh | 0,95 | - | Tj = + 2°C | COPu | 3,87 | - |
| Tj = + 7°C | Pdh | 2,5 | kW | Ti = + 7°C | COPd | 5,31 | |
| Degradation co-efficient | Cdh | 0,95 | - | IJ = + / C | COPu | 5,51 | - |
| Tj = + 12°C | Pdh | 2,9 | kW | Tj = + 12°C | COPd | 6,73 | |
| Degradation co-efficient | Cdh | 0,94 | - | IJ = + IZ C | COPa | 6,73 | - |
| Tj = bivalent temperature | Pdh | 3,1 | kW | Tj = bivalent temperature | COPd | 1,38 | - |
| Tj = operation limit temperature | Pdh | 2,3 | kW | Tj = operation limit temperature | COPd | 1,10 | - |
| Tj = – 15 °C (if TOL < – 20 °C) | Pdh | 3,1 | kW | Tj = – 15 °C (if TOL < – 20 °C) | COPd | 1,38 | - |
| Bivalent temperature | Tbiv | - 15 | °C | Operation limit temperature | TOL | - 22 | °C |
| | | | kW | Cycling interval efficiency | COPcyc | - | - |
| Cycling interval capacity for heating | Pcych | - | | Heating water operating limit temperature | WTOL | 60 | °C |
| Power consumption in modes othe | r than active n | node | | Supplementary heater | | | |
| Off mode | POFF | 0,025 | kW | Rated heat output | Psup | 1,7 | kW |
| Thermostat-off mode | PTO | 0,025 | kW | | | | |
| Standby mode | PSB | 0,025 | kW | Type of energy input | | Electrical | |
| Crankcase heater mode | РСК | 0,025 | kW | | | | |
| Other items | | | | | | | |
| Capacity control | | variable | | Rated air flow rate, outdoors | - | 3200 | m3/h |
| | | | | | | | |

| Capacity control | variable | | | Rated air flow rate, outdoors | - | 3200 | m3/h |
|--------------------------------------|----------|-------|-----|-----------------------------------------|---|------|------|
| Sound power level, indoors/ outdoors | LWA | 42/62 | dB | Rated brine or water flow rate, outdoor | - | - | m3/h |
| Annual energy consumption | QHE | 3701 | kWh | heat exchanger | | | |

For heat pump combination heater

| Declared load profile | L | | | Water heating energy efficiency | ηwh | 82 | % |
|--------------------------------|-------|-------|-----|---------------------------------|-------|----|-----|
| Daily electricity consumption | Qelec | 6,277 | kWh | Daily fuel consumption | Qfuel | - | kWh |
| Annual electricity consumption | AEC | 1252 | kWh | Annual fuel consumption | AFC | - | GJ |

Contact details

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

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.

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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 AWS XB6 (PROCIDA AWS | 6 (O) + PROCIDA ITU 6) |
|--------------------------------------|-------------|--------|------------------------------|------------------------|
| 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 | o Average | | o Colder | x Warmer |
| Temperature application | x Medium (S | 55°C) | o Low (35°C) | |
| Applied Standards | EN14825 / E | N16147 | | |

| Item | Symbol | Value | Unit | Item | Symbol | Value | Unit |
|-------------------------------------------|------------------|-----------|-----------|---------------------------------------------|----------------|--------------|------------|
| Rated heat output | Prated | 5 | kW | Seasonal space heating energy efficiency | ηs | 167 | % |
| Declared capacity for heating for part lo | oad at indoor te | mperature | 20 °C and | Declared coefficient of performance or | primary energy | ratio for pa | rt load at |
| outdoor temperature Tj | | | | indoor temperature 20 °C and outdoor | temperature Tj | | |
| Tj = - 7°C | Pdh | - | kW | T: 7%C | COD4 | | |
| Degradation co-efficient | Cdh | - | - | Tj = - 7°C | COPd | - | - |
| Tj = + 2°C | Pdh | 5,2 | kW | T: _ + 2°C | COPd | 2.52 | |
| Degradation co-efficient | Cdh | 0,98 | - | Tj = + 2°C | COPu | 3,52 | - |
| Tj = + 7°C | Pdh | 3,3 | kW | Ti = + 7°C | COPd | 3,49 | |
| Degradation co-efficient | Cdh | 0,97 | - | IJ = + 7 C | COPu | 5,49 | - |
| Tj = + 12°C | Pdh | 2,7 | kW | W | COD4 | 5,67 | |
| Degradation co-efficient | Cdh | 0,95 | - | Tj = + 12°C | COPd | 5,67 | - |
| Tj = bivalent temperature | Pdh | 5,2 | kW | Tj = bivalent temperature | COPd | 3,52 | - |
| Tj = operation limit temperature | Pdh | 5,2 | kW | Tj = operation limit temperature | COPd | 3,52 | - |
| 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 | 2 | °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 | 0,025 | kW | Rated heat output | Psup | 0,0 | kW |
| Thermostat-off mode | РТО | 0,025 | kW | | | | |
| Standby mode | PSB | 0,025 | kW | Type of energy input | Electrical | | |
| Crankcase heater mode | РСК | 0,025 | kW | | | | |
| Other items | | | | | | | |
| | | | | | | 2222 | o // |

| Capacity control | variable | | | Rated air flow rate, outdoors | - | 3200 | m3/h |
|--------------------------------------|----------|-------|-----|-----------------------------------------|---|------|------|
| Sound power level, indoors/ outdoors | LWA | 42/62 | dB | Rated brine or water flow rate, outdoor | - | - | m3/h |
| Annual energy consumption | QHE | 1575 | kWh | heat exchanger | | | |

For heat pump combination heater

| Declared load profile | L | | | Water heating energy efficiency | ηwh | 82 | % |
|--------------------------------|-------|------|-----|---------------------------------|-------|----|-----|
| Daily electricity consumption | Qelec | 6,25 | kWh | Daily fuel consumption | Qfuel | - | kWh |
| Annual electricity consumption | AEC | 1246 | kWh | Annual fuel consumption | AFC | - | GJ |

Contact details

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

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 XB6 (PROCIDA AWS | 6 (O) + PROCIDA ITU 6) |
|--------------------------------------|-----------|---------|------------------------------|------------------------|
| 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 | Item | Symbol | Value | Unit |
|--------------------------------------------|---------------------------------------------------------|-------------|---------------------------------------------|------------------------------------------|---------------|--------------|-----------|
| Rated heat output | Prated 6 kW Seasonal space heating energy efficiency | | Seasonal space heating energy efficiency | ηs | 179 | % | |
| Declared capacity for heating for part loa | 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 te | | | |
| Tj = - 7°C | Pdh | 5,3 | kW | T: 7%C | 60.0.1 | 2.04 | |
| Degradation co-efficient | Cdh | 0,99 | - | Tj = - 7°C | COPd | 2,81 | - |
| Tj = + 2°C | Pdh | 3,3 | 8,3 kW | | 60.0.1 | 4.60 | |
| Degradation co-efficient | Cdh | 0,96 | - | Tj = + 2°C | COPd | 4,68 | - |
| Tj = + 7°C | Pdh | 2,6 | kW | | | | |
| Degradation co-efficient | Cdh | 0,94 | - | Tj = + 7°C | COPd | 6,22 | - |
| Tj = + 12°C | Pdh | 2,6 | kW | | | | |
| Degradation co-efficient | Cdh | 0,94 | - | Tj = + 12°C | COPd | 5,72 | - |
| Tj = bivalent temperature | Pdh | 5,3 | kW | Tj = bivalent temperature | COPd | 2,81 | - |
| Ti = operation limit temperature | Pdh | 4,2 | kW | Tj = operation limit temperature | COPd | 2,56 | - |
| 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 | - 10 | °C |
| | | | | Cycling interval efficiency | COPcyc | - | - |
| Cycling interval capacity for heating | Pcych | - | kW | Heating water operating limit | | 60 | °C |
| | | | | temperature | WTOL | 60 | L |
| Power consumption in modes other | than active n | node | | Supplementary heater | | | |
| Off mode | POFF | 0,025 | kW | Rated heat output | Psup | 1,8 | kW |
| Thermostat-off mode | РТО | 0,025 | kW | | | | |
| Standby mode | PSB | 0,025 | kW | Type of energy input | I | Electrical | |
| Crankcase heater mode | РСК | 0,025 | kW | | | | |
| Other items | | | | | | | |
| Capacity control | | variable | | Rated air flow rate, outdoors | - | 3200 | m3/h |
| Sound power level, indoors/ outdoors | LWA | 42/62 | dB | Rated brine or water flow rate, outdoor | - | - | m3/h |
| Annual energy consumption | QHE | 2729 | kWh | heat exchanger | | | |
| For heat pump combination heater | | | | | | | |
| Declared load profile | | L | | Water heating energy efficiency | ηwh | 101 | % |
| Daily electricity consumption | Qelec | 5,049 | kWh | Daily fuel consumption | Qfuel | - | kWh |
| Annual electricity consumption | AEC | 1011 | kWh | Annual fuel consumption | AFC | - | GJ |
| | | | | Fondital | S n A | | |

Contact details

Annual electricity consumption

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

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.

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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 AWS XB6 (PROCIDA AWS | 5 6 (O) + PROCIDA ITU 6) |
|--------------------------------------|-------------|--------|------------------------------|--------------------------|
| 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 | o Average | | x Colder | o Warmer |
| Temperature application | o Medium (5 | 5°C) | x Low (35°C) | |
| Applied Standards | EN14825 / E | N16147 | | |

| Item | Symbol | Value | Unit | Item | Symbol | Value | Unit |
|--------------------------------------------|-----------------|-----------|-----------|---------------------------------------------|---------------|--------------|------------|
| Rated heat output | Prated | 4 | kW | Seasonal space heating energy efficiency | ηs | 145 | % |
| Declared capacity for heating for part loa | ad at indoor te | mperature | 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 | emperature Tj | | |
| Tj = - 7°C | Pdh | 2,6 | kW | Ti = - 7°C | COPd | 2.00 | _ |
| Degradation co-efficient | Cdh | 0,97 | - | IJ = - 7 C | COPu | 2,69 | - |
| Tj = + 2°C | Pdh | 2,3 | kW | Tj = + 2°C | COPd | 5,34 | _ |
| Degradation co-efficient | Cdh | 0,94 | - | 1j = + 2 C | COPu | 5,54 | - |
| Tj = + 7°C | Pdh | 2,7 | kW | Ti = + 7°C | COPd | 7,04 | _ |
| Degradation co-efficient | Cdh | 0,94 | - | IJ = + 7 C | COPU | 7,04 | - |
| Tj = + 12°C | Pdh | 2,6 | kW | Tj = + 12°C | COPd | 6,90 | _ |
| Degradation co-efficient | Cdh | 0,93 | - | 1) = + 12 C | COPu | 0,90 | - |
| Tj = bivalent temperature | Pdh | 3,4 | kW | Tj = bivalent temperature | COPd | 1,98 | - |
| Tj = operation limit temperature | Pdh | 2,7 | kW | Tj = operation limit temperature | COPd | 1,58 | - |
| Tj = – 15 °C (if TOL < – 20 °C) | Pdh | 3,4 | kW | Tj = – 15 °C (if TOL < – 20 °C) | COPd | 1,98 | - |
| Bivalent temperature | Tbiv | - 15 | °C | Operation limit temperature | TOL | - 22 | °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 | 0,025 | kW | Rated heat output | Psup | 1,3 | kW |
| Thermostat-off mode | РТО | 0,025 | kW | | | | |
| Standby mode | PSB | 0,025 | kW | Type of energy input | | Electrical | |
| Crankcase heater mode | PCK | 0,025 | kW | | | | |
| Other items | | | | | | | |
| Capacity control | | variable | | Rated air flow rate, outdoors | - | 3200 | m3/h |
| Sound power level, indoors/ outdoors | LWA | 42/62 | dB | Rated brine or water flow rate, outdoor | - | - | m3/h |
| Annual energy consumption | QHE | 2674 | kWh | heat exchanger | | | |
| For heat pump combination heater | | | | | | | |
| Declared load profile | | L | | Water heating energy efficiency | ηwh | 82 | % |
| Daily electricity consumption | Qelec | 6,277 | kWh | Daily fuel consumption | Qfuel | - | kWh |
| | | 1 | 1 | | | | |

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

kWh

Annual fuel consumption

AFC

GJ

-

1252

AEC

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 AWS XB6 (PROCIDA AWS | 6 (O) + PROCIDA ITU 6) |
|--------------------------------------|-------------|--------|------------------------------|------------------------|
| 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 | o Average | | o Colder | x Warmer |
| Temperature application | o Medium (| 55°C) | x Low (35°C) | |
| Applied Standards | EN14825 / E | N16147 | | |

| Item | Symbol | Value | Unit | Item | Symbol | Value | Unit |
|-------------------------------------------|------------------|-------------|---------------|---------------------------------------------|------------------|--------------|------------|
| Rated heat output | Prated | 5 | kW | Seasonal space heating energy efficiency | ηs | 232 | % |
| Declared capacity for heating for part lo | oad at indoor te | mperature 2 | 20 °C and | Declared coefficient of performance or | r primary energy | ratio for pa | rt load at |
| outdoor temperature Tj | | | | indoor temperature 20 °C and outdoor | temperature Tj | | |
| Tj = - 7°C | Pdh | - | kW | T: _ 7°C | COPd | | |
| Degradation co-efficient | Cdh | - | - | Tj = - 7°C | COPa | - | - |
| Tj = + 2°C | Pdh | 5,2 | kW | kW Tj = + 2°C | COPd | 3,53 | |
| Degradation co-efficient | Cdh | 0,98 | - | IJ = + 2 C | COPu | 5,55 | - |
| Tj = + 7°C | Pdh | 3,3 | kW Ti = + 7°C | COPd | 5,57 | | |
| Degradation co-efficient | Cdh | 0,96 | - | IJ = + 7 C | COPU | 5,57 | _ |
| Tj = + 12°C | Pdh | 2,9 | kW | Tj = + 12°C | COPd | 7,60 | |
| Degradation co-efficient | Cdh | 0,93 | - | IJ - + 12 C | COPU | 7,00 | _ |
| Tj = bivalent temperature | Pdh | 5,2 | kW | Tj = bivalent temperature | COPd | 3,53 | - |
| Tj = operation limit temperature | Pdh | 5,2 | kW | Tj = operation limit temperature | COPd | 3,53 | - |
| 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 | 2 | °C |
| | | | kW | Cycling interval efficiency | COPcyc | - | - |
| Cycling interval capacity for heating | Pcych | - | | Heating water operating limit temperature | WTOL | 60 | °C |
| Power consumption in modes othe | r than active n | node | | Supplementary heater | | | |
| Off mode | POFF | 0,025 | kW | Rated heat output | Psup | 0,0 | kW |
| Thermostat-off mode | PTO | 0,025 | kW | | | | |
| Standby mode | PSB | 0,025 | kW | Type of energy input | | Electrical | |
| Crankcase heater mode | РСК | 0,025 | kW | | | | |
| Other items | | | | | | | |
| Canacity control | | variable | | Pated air flow rate, outdoors | | 2200 | m2/h |

| Capacity control | | variable | | Rated air flow rate, outdoors | - 3200 | m3/h | |
|--------------------------------------|-----|----------|-----|-----------------------------------------|--------|------|------|
| Sound power level, indoors/ outdoors | LWA | 42/62 | dB | Rated brine or water flow rate, outdoor | - | - | m3/h |
| Annual energy consumption | QHE | 1136 | kWh | heat exchanger | | | |

For heat pump combination heater

| Declared load profile | | L | | Water heating energy efficiency | ηwh | 82 | % |
|--------------------------------|-------|------|-----|---------------------------------|-------|----|-----|
| Daily electricity consumption | Qelec | 6,25 | kWh | Daily fuel consumption | Qfuel | - | kWh |
| Annual electricity consumption | AEC | 1246 | kWh | Annual fuel consumption | AFC | - | GJ |

Contact details

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

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.

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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 AWS XB8 (PROCIDA AWS | 8 (O) + PROCIDA ITU 8) |
|--------------------------------------|-------------|--------|------------------------------|------------------------|
| 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 (5 | 5°C) | o Low (35°C) | |
| Applied Standards | EN14825 / E | N16147 | | |

| Item | Symbol | Value | Unit | Item | Symbol | Value | Unit | |
|--------------------------------------------|----------------|-----------|-----------|------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|------|--|
| Rated heat output | Prated | 7 | kW | Seasonal space heating energy efficiency | ηs | 129 | % | |
| Declared capacity for heating for part loa | d at indoor te | mperature | 20 °C and | Declared coefficient of performance or primary energy ratio for part load at | | | | |
| outdoor temperature Tj | | | | indoor temperature 20 °C and outdoor te | emperature Tj | | | |
| Tj = - 7°C | Pdh | 6,3 | kW | Ti = - 7°C | COPd | 2.24 | | |
| Degradation co-efficient | Cdh | 0,99 | - | IJ = - 7 C | COPu | 2,24 | - | |
| Tj = + 2°C | Pdh | 4,1 | kW | Tj = + 2°C | COD4 | 2 10 | _ | |
| Degradation co-efficient | Cdh | 0,98 | - | IJ = + 2 C | COPu | 5,10 | - | |
| Tj = + 7°C | Pdh | 4,3 | kW | Ti = + 7°C | COD4 | 1.26 | | |
| Degradation co-efficient | Cdh | 0,97 | - | IJ - + / C | COFU | 4,20 | - | |
| Tj = + 12°C | Pdh | 5,0 | kW | Tj = + 12°C | COD4 | E 02 | _ | |
| Degradation co-efficient | Cdh | 0,97 | - | IJ = + 12 C | COPu | 5,95 | - | |
| Tj = bivalent temperature | Pdh | 6,3 | kW | Tj = bivalent temperature | COPd | 2,24 | - | |
| Tj = operation limit temperature | Pdh | 6,3 | kW | Tj = operation limit temperature | COPd | 1,79 | - | |
| 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 | - 10 | °C | |
| | | | | Cycling interval efficiency | COPcyc | - | - | |
| Cycling interval capacity for heating | Pcych | - | kW | Heating water operating limit temperature | WTOL | y ratio for pa 2,24 3,18 4,26 5,93 2,24 1,79 - | °C | |
| Power consumption in modes other t | than active n | node | | Supplementary heater | | | | |
| Off mode | POFF | 0,025 | kW | Rated heat output | Psup | 0,7 | kW | |
| Thermostat-off mode | PTO | 0,025 | kW | | | | | |
| Standby mode | PSB | 0,025 | kW | Type of energy input | COPd 4,24 COPd 5,93 COPd 2,24 COPd 1,79 COPd - TOL - TOL - COPcyc - WTOL 60 Electric | Electrical | | |
| Crankcase heater mode | РСК | 0,025 | kW | | | | | |
| Other items | | | | | | | | |
| Capacity control | | variable | | Rated air flow rate, outdoors | - | 3300 | m3/h | |
| Sound power level, indoors/ outdoors | LWA | 42/67 | dB | Rated brine or water flow rate, outdoor heat exchanger | - | - | m3/h | |
| Annual energy consumption | QHE | 4371 | kWh | near exchanger | | | | |

L Declared load profile Water heating energy efficiency 89 % ηwh Daily electricity consumption Qelec 5,632 kWh Daily fuel consumption Qfuel kWh Annual electricity consumption AEC 1152 kWh Annual fuel consumption AFC -GJ

Contact details

Ondita

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 AWS XB8 (PROCIDA AWS | 5 8 (O) + PROCIDA ITU 8) |
|--------------------------------------|------------|---------|------------------------------|--------------------------|
| 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 | o Average | | x Colder | o Warmer |
| Temperature application | x Medium (| 55°C) | o Low (35°C) | |
| Applied Standards | EN14825/ | EN16147 | | |

| Item | Symbol | Value | Unit | Item | Symbol | Value | Unit |
|-------------------------------------------|------------------|-----------|-----------|---------------------------------------------|---------------|--------------|------------|
| Rated heat output | Prated | 7 | kW | Seasonal space heating energy efficiency | ηs | 112 | % |
| Declared capacity for heating for part lo | oad at indoor te | mperature | 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 | emperature Tj | | |
| Tj = - 7°C | Pdh | 4,6 | kW | Tj = - 7°C | COPd | 2,64 | |
| Degradation co-efficient | Cdh | 0,99 | - | IJ = - 7 C | COPu | 2,04 | - |
| Tj = + 2°C | Pdh | 3,3 | kW | Tj = + 2°C | COPd | 3,24 | |
| Degradation co-efficient | Cdh | 0,98 | - | IJ = + 2 C | COPu | 5,24 | - |
| Tj = + 7°C | Pdh | 4,2 | kW | Ti = + 7°C | COPd | 4,76 | _ |
| Degradation co-efficient | Cdh | 0,97 | - | IJ=+7 C | COPu | 4,70 | - |
| Tj = + 12°C | Pdh | 4,7 | kW | Tj = + 12°C | COPd | 5,86 | |
| Degradation co-efficient | Cdh | 0,97 | - | IJ = + 12 C | COPu | 5,80 | - |
| Tj = bivalent temperature | Pdh | 5,9 | kW | Tj = bivalent temperature | COPd | 1,77 | - |
| Tj = operation limit temperature | Pdh | 2,9 | kW | Tj = operation limit temperature | COPd | 1,26 | - |
| Tj = – 15 °C (if TOL < – 20 °C) | Pdh | 5,9 | kW | Tj = – 15 °C (if TOL < – 20 °C) | COPd | 1,77 | - |
| Bivalent temperature | Tbiv | - 15 | °C | Operation limit temperature | TOL | - 22 | °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 | 0,025 | kW | Rated heat output | Psup | 4,1 | kW |
| Thermostat-off mode | PTO | 0,025 | kW | | | | |
| Standby mode | PSB | 0,025 | kW | Type of energy input | | Electrical | |
| Crankcase heater mode | РСК | 0,025 | kW | | | | |
| Other items | | | | | | | |
| Capacity control | | variable | | Rated air flow rate, outdoors | - | 3300 | m3/h |
| Sound power level, indoors/ outdoors | LWA | 42/67 | dB | Rated brine or water flow rate, outdoor | _ | _ | m3/h |

| For heat pump combination heater | |
|----------------------------------|--|
|----------------------------------|--|

Annual energy consumption

QHE

5982

| Declared load profile | | L | | Water heating energy efficiency | ηwh | 78 | % |
|--------------------------------|-------|-------|-----|---------------------------------|-------|----|-----|
| Daily electricity consumption | Qelec | 6,401 | kWh | Daily fuel consumption | Qfuel | - | kWh |
| Annual electricity consumption | AEC | 1314 | kWh | Annual fuel consumption | AFC | - | GJ |

kWh

heat exchanger

Contact details

Fondital S.p.A Via Cerreto 40, 25079 Vobarno (BS) - Italy m3/h

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 AWS XB8 (PROCIDA AWS | 5 8 (O) + PROCIDA ITU 8) |
|--------------------------------------|-------------|--------|------------------------------|--------------------------|
| 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 | o Average | | o Colder | x Warmer |
| Temperature application | x Medium (5 | 55°C) | o Low (35°C) | |
| Applied Standards | EN14825 / E | N16147 | | |

| Item | Symbol | Value | Unit | Item | Symbol | Value | Unit |
|-------------------------------------------|------------------|-------------|-----------|---------------------------------------------|------------------|--------------|-----------|
| Rated heat output | Prated | 8 | kW | Seasonal space heating energy efficiency | ηs | 159 | % |
| Declared capacity for heating for part lo | oad at indoor te | mperature 2 | 20 °C and | Declared coefficient of performance or | r primary energy | ratio for pa | rt load a |
| outdoor temperature Tj | | | | indoor temperature 20 °C and outdoor | temperature Tj | | |
| Tj = - 7°C | Pdh | - | kW | Ti _ 7°C | COPd | | |
| Degradation co-efficient | Cdh | - | - | Tj = - 7°C | COPu | - | _ |
| Tj = + 2°C | Pdh | 8,1 | kW | Ti = + 2°C | COPd | 2,52 | |
| Degradation co-efficient | Cdh | 0,99 | - | IJ = + 2 C | COPu | 2,52 | _ |
| Tj = + 7°C | Pdh | 5,3 | kW | Ti = + 7°C | COPd | 3,38 | |
| Degradation co-efficient | Cdh | 0,98 | - | IJ = + 7 C | COPu | 5,50 | - |
| Tj = + 12°C | Pdh | 5,2 | kW | Tj = + 12°C | COPd | 5,42 | |
| Degradation co-efficient | Cdh | 0,97 | - | IJ = + 12 C | COPu | 5,42 | _ |
| Tj = bivalent temperature | Pdh | 8,1 | kW | Tj = bivalent temperature | COPd | 2,52 | - |
| Tj = operation limit temperature | Pdh | 8,1 | kW | Tj = operation limit temperature | COPd | 2,52 | - |
| 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 | 2 | °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 | 0,025 | kW | Rated heat output | Psup | 0,0 | kW |
| Thermostat-off mode | РТО | 0,025 | kW | | | | |
| Standby mode | PSB | 0,025 | kW | Type of energy input | | Electrical | |
| Crankcase heater mode | РСК | 0,025 | kW | | | | |
| Other items | | | | | | | |
| Capacity control | | variable | | Rated air flow rate, outdoors | - | 3300 | m3/ |

| Capacity control | | variable | | Rated air flow rate, outdoors | - | 3300 | m3/h |
|--------------------------------------|-----|----------|-----|-----------------------------------------|---|------|------|
| Sound power level, indoors/ outdoors | LWA | 42/67 | dB | Rated brine or water flow rate, outdoor | - | - | m3/h |
| Annual energy consumption | QHE | 2645 | kWh | heat exchanger | | | |

For heat pump combination heater

| Declared load profile | | L | | Water heating energy efficiency | ηwh | 110 | % |
|--------------------------------|-------|-------|-----|---------------------------------|-------|-----|-----|
| Daily electricity consumption | Qelec | 4,574 | kWh | Daily fuel consumption | Qfuel | - | kWh |
| Annual electricity consumption | AEC | 933 | kWh | Annual fuel consumption | AFC | - | GJ |

Contact details

% fondital

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

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 XB8 (PROCIDA AWS | 5 8 (O) + PROCIDA ITU 8) |
|--------------------------------------|-----------|---------|------------------------------|--------------------------|
| 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 | Item | Symbol | Value | Unit |
|--------------------------------------------|-----------------|-------------|-----------|---------------------------------------------|---------------|--------------|-----------|
| Rated heat output | Prated | 7 | kW | Seasonal space heating energy efficiency | ηs | 181 | % |
| Declared capacity for heating for part loa | 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 te | emperature Tj | | |
| Tj = - 7°C | Pdh | 6,2 | kW | T: 70C | CODI | 2.04 | |
| Degradation co-efficient | Cdh | 0,99 | - | Tj = - 7°C | COPd | 2,94 | - |
| Tj = + 2°C | Pdh | 3,9 | kW | T: | CODd | 4.20 | |
| Degradation co-efficient | Cdh | 0,97 | - | Tj = + 2°C | COPd | 4,39 | - |
| Tj = + 7°C | Pdh | 3,0 | kW | 7. 700 | | 6.00 | |
| Degradation co-efficient | Cdh | 0,95 | - | Tj = + 7°C | COPd | 6,29 | - |
| Tj = + 12°C | Pdh | 3,6 | kW | | | | |
| Degradation co-efficient | Cdh | 0,94 | - | Tj = + 12°C | COPd | 8,43 | - |
| Tj = bivalent temperature | Pdh | 6,2 | kW | Tj = bivalent temperature | COPd | 2,94 | _ |
| Tj = operation limit temperature | Pdh | 5,9 | kW | Tj = operation limit temperature | COPd | 2,69 | - |
| 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 | - 10 | °C |
| | | | | Cycling interval efficiency | COPcyc | - | - |
| Cycling interval capacity for heating | Pcych | - | kW | Heating water operating limit | WTOL | 60 | °C |
| | | | | temperature | WIOL | 60 | U |
| Power consumption in modes other | than active n | node | | Supplementary heater | | | |
| Off mode | POFF | 0,025 | kW | Rated heat output | Psup | 1,1 | kW |
| Thermostat-off mode | РТО | 0,025 | kW | | · | | |
| Standby mode | PSB | 0,025 | kW | Type of energy input | | Electrical | |
| Crankcase heater mode | РСК | 0,025 | kW | | | | |
| Other items | | | | | | | |
| Capacity control | | variable | 1 | Rated air flow rate, outdoors | - | 3300 | m3/h |
| Sound power level, indoors/ outdoors | LWA | 42/67 | dB | Rated brine or water flow rate, outdoor | - | - | m3/h |
| Annual energy consumption | QHE | 3149 | kWh | heat exchanger | | | |
| For heat pump combination heater | | | | | | | |
| Declared load profile | | L | | Water heating energy efficiency | ηwh | 89 | % |
| Daily electricity consumption | Qelec | 5,632 | kWh | Daily fuel consumption | Qfuel | - | kWh |
| Annual electricity consumption | AEC | 1152 | kWh | Annual fuel consumption | AFC | - | GJ |
| Contact details | | | | Fondital Via Cerreto 40, 25079 \ | • | - Italv | |

Via Cerreto 40, 25079 Vobarno (BS) - Italy

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

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

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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 AWS XB8 (PROCIDA AWS | 8 (O) + PROCIDA ITU 8) |
|--------------------------------------|-------------|--------|------------------------------|------------------------|
| 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 | o Average | | x Colder | o Warmer |
| Temperature application | o Medium (5 | 55°C) | x Low (35°C) | |
| Applied Standards | EN14825 / E | N16147 | | |

| Item | Symbol | Value | Unit | Item | Symbol | Value | Unit |
|-------------------------------------------|-----------------|-----------|-----------|---------------------------------------------|---------------|--------------|------------|
| Rated heat output | Prated | 7 | kW | Seasonal space heating energy efficiency | ηs | 146 | % |
| Declared capacity for heating for part lo | ad at indoor te | mperature | 20 °C and | Declared coefficient of performance or p | rimary energy | ratio for pa | art load a |
| outdoor temperature Tj | | | | indoor temperature 20 °C and outdoor te | emperature Tj | | |
| Tj = - 7°C | Pdh | 4,5 | kW | T: _ 7°C | COD4 | 2.20 | |
| Degradation co-efficient | Cdh | 0,98 | - | Tj = - 7°C | COPd | 3,26 | - |
| Tj = + 2°C | Pdh | 3,3 | kW | Ti = + 2°C | COPd | 1.26 | |
| Degradation co-efficient | Cdh | 0,97 | - | IJ = + 2 C | COPa | 4,26 | - |
| Tj = + 7°C | Pdh | 4,3 | kW | Ti = + 7°C | COPd | 6,04 | |
| Degradation co-efficient | Cdh | 0,96 | - | IJ = + 7 C | COPa | 0,04 | - |
| Tj = + 12°C | Pdh | 4,9 | kW | T: _ + 12°C | COD4 | 7.20 | |
| Degradation co-efficient | Cdh | 0,96 | - | Tj = + 12°C | COPd | 7,26 | - |
| Tj = bivalent temperature | Pdh | 5,8 | kW | Tj = bivalent temperature | COPd | 2,63 | - |
| Tj = operation limit temperature | Pdh | 4,5 | kW | Tj = operation limit temperature | COPd | 1,52 | - |
| Tj = – 15 °C (if TOL < – 20 °C) | Pdh | 5,8 | kW | Tj = – 15 °C (if TOL < – 20 °C) | COPd | 2,63 | - |
| Bivalent temperature | Tbiv | - 15 | °C | Operation limit temperature | TOL | - 22 | °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 | 0,025 | kW | Rated heat output | Psup | 2,5 | kW |
| Thermostat-off mode | PTO | 0,025 | kW | | | | |
| Standby mode | PSB | 0,025 | kW | Type of energy input | | Electrical | |
| Crankcase heater mode | РСК | 0,025 | kW | | | | |
| Other items | | | | | | | |
| Capacity control | | variable | | Rated air flow rate, outdoors | - | 3300 | m3/h |
| Sound nower level indoors/outdoors | 110/0 | 12/67 | dB | Pated bring or water flow rate, outdoor | | | |

| capacity control | | | | Hatea an Hott Fate) catacore | | 0000 | |
|--------------------------------------|-----|-------|-----|-----------------------------------------|---|------|------|
| Sound power level, indoors/ outdoors | LWA | 42/67 | dB | Rated brine or water flow rate, outdoor | - | - | m3/h |
| Annual energy consumption | QHE | 4628 | kWh | heat exchanger | | | |
| For heat pump combination heater | | | | | | | |

| Declared load profile | | L | | Water heating energy efficiency | ηwh | 78 | % |
|--------------------------------|-------|-------|-----|---------------------------------|-------|----|-----|
| Daily electricity consumption | Qelec | 6,401 | kWh | Daily fuel consumption | Qfuel | - | kWh |
| Annual electricity consumption | AEC | 1314 | kWh | Annual fuel consumption | AFC | - | GJ |

Contact details

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 AWS XB8 (PROCIDA AWS | 5 8 (O) + PROCIDA ITU 8) |
|--------------------------------------|-------------|---------|------------------------------|--------------------------|
| 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 | o Average | | o Colder | x Warmer |
| Temperature application | o Medium (| 55°C) | x Low (35°C) | |
| Applied Standards | EN14825 / I | EN16147 | | |

| Item | Symbol | Value | Unit | Item | Symbol | Value | Unit |
|-------------------------------------------|-----------------|-----------|-----------|---------------------------------------------|----------------|--------------|-------------|
| Rated heat output | Prated | 8 | kW | Seasonal space heating energy efficiency | ηs | 217 | % |
| Declared capacity for heating for part lo | ad at indoor te | mperature | 20 °C and | Declared coefficient of performance or | primary energy | ratio for pa | irt load at |
| outdoor temperature Tj | | | | indoor temperature 20 °C and outdoor | temperature Tj | | |
| Tj = - 7°C | Pdh | - | kW | Ti = - 7°C | COPd | | |
| Degradation co-efficient | Cdh | - | - | IJ = - 7 C | COPu | - | - |
| Tj = + 2°C | Pdh | 8,2 | kW | Tj = + 2°C | COPd | 2 5 0 | |
| Degradation co-efficient | Cdh | 0,99 | - | IJ = + 2 C | COPu | 3,58 | - |
| Tj = + 7°C | Pdh | 5,4 | kW | Ti = + 7°C | COPd | 4,84 | |
| Degradation co-efficient | Cdh | 0,98 | - | IJ = + / C | COPu | 4,04 | - |
| Tj = + 12°C | Pdh | 5,1 | kW | T: _ + 12°C | COD4 | 7.00 | |
| Degradation co-efficient | Cdh | 0,96 | - | Tj = + 12°C | COPd | 7,08 | - |
| Tj = bivalent temperature | Pdh | 8,2 | kW | Tj = bivalent temperature | COPd | 3,58 | - |
| Tj = operation limit temperature | Pdh | 8,2 | kW | Tj = operation limit temperature | COPd | 3,58 | - |
| 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 | 2 | °C |
| | | | kW | Cycling interval efficiency | COPcyc | - | - |
| Cycling interval capacity for heating | Pcych | - | | Heating water operating limit temperature | WTOL | 60 | °C |
| Power consumption in modes othe | than active n | node | | Supplementary heater | | | |
| Off mode | POFF | 0,025 | kW | Rated heat output | Psup | 0,0 | kW |
| Thermostat-off mode | PTO | 0,025 | kW | | | | |
| Standby mode | PSB | 0,025 | kW | Type of energy input | | Electrical | |
| Crankcase heater mode | РСК | 0,025 | kW | | | | |
| Other items | | | | | | | |
| Capacity control | | variable | | Rated air flow rate, outdoors | - | 3300 | m3/h |
| | | | | | | | |

| Capacity control | variable | | | Rated air flow rate, outdoors | - | 3300 | m3/h |
|--------------------------------------|----------|-------|-----|-----------------------------------------|---|------|------|
| Sound power level, indoors/ outdoors | LWA | 42/67 | dB | Rated brine or water flow rate, outdoor | - | - | m3/h |
| Annual energy consumption | QHE | 1947 | kWh | heat exchanger | | | |

For heat pump combination heater

| Declared load profile | | L | | Water heating energy efficiency | ηwh | 110 | % |
|--------------------------------|-------|-------|-----|---------------------------------|-------|-----|-----|
| Daily electricity consumption | Qelec | 4,574 | kWh | Daily fuel consumption | Qfuel | - | kWh |
| Annual electricity consumption | AEC | 933 | kWh | Annual fuel consumption | AFC | - | GJ |

Contact details

Annual electricity consumption

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

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 AW | S XB10 (PROCID | A AWS 10 (O) + PRC | CIDA ITU 10) | |
|--------------------------------------|--------------|--------|------------|----------------|--------------------|--------------|--|
| 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 (5 | 5°C) | | o Low (35°C) | | | |
| Applied Standards | EN14825 / EI | N16147 | | | | | |

| Item | Symbol | Value | Unit | Item | Symbol | Value | Unit |
|--------------------------------------------|-----------------|-----------|-----------|---------------------------------------------|---------------|--------------|------------|
| Rated heat output | Prated | 8 | kW | Seasonal space heating energy efficiency | ηs | 127 | % |
| Declared capacity for heating for part loa | ad at indoor te | mperature | 20 °C and | Declared coefficient of performance or p | | ratio for pa | rt load at |
| outdoor temperature Tj | | | | indoor temperature 20 °C and outdoor te | emperature IJ | | |
| Tj = - 7°C | Pdh | 6,9 | kW | Ti = - 7°C | COPd | 2,12 | - |
| Degradation co-efficient | Cdh | 0,99 | - | , | | , | |
| Tj = + 2°C | Pdh | 4,2 | kW | Ti = + 2°C | COPd | 3,09 | - |
| Degradation co-efficient | Cdh | 0,98 | - | , | | -, | |
| Tj = + 7°C | Pdh | 4,3 | kW | Ti = + 7°C | COPd | 4,34 | - |
| Degradation co-efficient | Cdh | 0,97 | - | ., | | ., | |
| Tj = + 12°C | Pdh | 4,9 | kW | Ti = + 12°C | COPd | 5,91 | _ |
| Degradation co-efficient | Cdh | 0,97 | - | 1 - 1 - 12 - C | coru | 5,51 | |
| Tj = bivalent temperature | Pdh | 6,9 | kW | Tj = bivalent temperature | COPd | 2,12 | - |
| Tj = operation limit temperature | Pdh | 6,8 | kW | Tj = operation limit temperature | COPd | 1,75 | - |
| 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 | - 10 | °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 | 0,025 | kW | Rated heat output | Psup | 1,2 | kW |
| Thermostat-off mode | PTO | 0,025 | kW | | | | |
| Standby mode | PSB | 0,025 | kW | Type of energy input | | Electrical | |
| Crankcase heater mode | PCK | 0,025 | kW | | | | |
| Other items | | | | | | | |
| Capacity control | | variable | | Rated air flow rate, outdoors | - | 3300 | m3/h |
| Sound power level, indoors/ outdoors | LWA | 42/68 | dB | Rated brine or water flow rate, outdoor | - | - | m3/h |
| Annual energy consumption | QHE | 5091 | kWh | heat exchanger | | | |
| For heat pump combination heater | | | | | | | |
| Declared load profile | | L | | Water heating energy efficiency | ηwh | 89 | % |
| Daily electricity consumption | Qelec | 5,632 | kWh | Daily fuel consumption | Qfuel | - | kWh |
| | 1 | 1 | 1 | | | | |

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

kWh

Annual fuel consumption

AFC

GJ

_

1152

AEC

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

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) | | Р | ROCIDA AWS XB10 (PROCIDA AW | S 10 (O) + PROCIDA ITU 10) |
|--------------------------------------|--------------|--------|-----------------------------|----------------------------|
| 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 | o Average | | x Colder | o Warmer |
| Temperature application | x Medium (5 | 5°C) | o Low (35°C) | |
| Applied Standards | EN14825 / EN | N16147 | | |

| ender determine locationPotentialPotentialPotentialPotentialPeclared capacity for heating for part load at indoor temperature 20 °C and bardy or temperature TIDeclared coefficient of performance or primary energy ratio for part load indoor temperature 20 °C and outdoor temperature TII = -7°CPdh5,3kWVDegradation co-efficientCdh0,99-I = +7°CPdh3,1kWVDegradation co-efficientCdh0,97-I = +7°CPdh4,2kWVDegradation co-efficientCdh0,97-I = +7°CPdh4,8kWVDegradation co-efficientCdh0,97-I = +12°CPdh4,8kWVDegradation co-efficientCdh0,97-I = brainent temperaturePdh6,7kWVI = operation limit temperaturePdh6,7kWVI = operation limit temperaturePdh6,7kWVI = operation limit temperatureTI = -15°C (I fot 0 < -20°C)COPd1,83I = operation limit temperatureTI = -15°C (I fot 0 < -20°C)COPd1,83I = operation limit temperatureTO -22'CCycling interval capacity for heatingPcych-kWVPoter consumption in modes other than active modeSupplementary heaterPoul-22Poter tempePCK0,025kWVType of energy inputElectricalDiff modePOFF0,025kWVRated air flow r | Item | Symbol | Value | ue Unit | Item | Symbol | Value | Unit |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|-----------------|-----------|-----------|------------------------------------------|---------------|--------------|------------|
| indoor temperature Tjindoor temperature 20°C and outdoor temperature TjTj = -7°CPdh5,3KWOperadation co-efficientCdh0,99-Tj = + 2°CPdh3,1KWTj = + 7°CCOPd2,42-Tj = + 2°CPdh3,1KWTj = + 7°CCOPd3,23-Degradation co-efficientCdh0,97-Tj = + 7°CCOPd4,78-Degradation co-efficientCdh0,97-Tj = + 12°CCOPd5,91-Tj = bivalent temperaturePdh6,7KWTj = operation limit temperatureCOPd1,83-Tj = operation limit temperaturePdh6,7KWTj = operation limit temperatureCOPd1,83-Tj = operation limit temperatureTbiv-15°CCoperation limit temperatureCOPd1,83-Sydia interval capacity for heatingPcych-KWHeating water operating limitwToL60°CPower consumption in modes other than active modePCK0,025KWType of energy inputElectricalDiff modePOFF0,025KWType of energy inputElectricalm3/0m3/0Capacity controlVariablePSB0,025KWRated air flow rate, outdoors-3300m3/0Capacity controlLWA42/68dBRated air flow rate, outdoors-3300m3/0Capacity control <t< th=""><th>Rated heat output</th><th colspan="2">Prated 8 kW .</th><th></th><th>ηs</th><th>110</th><th>%</th></t<> | Rated heat output | Prated 8 kW . | | | ηs | 110 | % | |
| $j = -7^{\circ}$ Pdh5,3kWDegradation co-efficientCdh0,99- $j = + 2^{\circ}$ CPdh3,1kWDegradation co-efficientCdh0,97- $j = + 7^{\circ}$ CPdh4,2kWDegradation co-efficientCdh0,97- $j = + 7^{\circ}$ CPdh4,2kWDegradation co-efficientCdh0,97- $j = + 12^{\circ}$ CPdh4,8kWDegradation co-efficientCdh0,97- $j = bivalent temperaturePdh6,7kWj = operation limit temperaturePdh6,7kWj = -15^{\circ}C (if TOL < - 20°C)$ | Declared capacity for heating for part loa | ad at indoor te | mperature | 20 °C and | Declared coefficient of performance or p | rimary energy | ratio for pa | rt load at |
| Degradation co-efficientCdh0,99-1 $j = + 2^{\circ}C$ Pdh3,1kWDegradation co-efficientCdh0,97- $j = + 7^{\circ}C$ Pdh4,2kWDegradation co-efficientCdh0,97- $j = + 12^{\circ}C$ Pdh4,2kWDegradation co-efficientCdh0,97- $j = + 12^{\circ}C$ Pdh4,8kWTj = + 12^{\circ}CCOPd5,91 $j = peration limit temperaturePdh6,7j = operation limit temperaturePdh6,7j = - 5^{\circ}C(j f TOL < - 20^{\circ}C)$ | outdoor temperature Tj | | | | indoor temperature 20 °C and outdoor te | emperature Tj | | |
| Degradation co-efficientCdh0.99- $j = + 2^{\circ}C$ Pdh3,1kWDegradation co-efficientCdh0.97- $j = + 7^{\circ}C$ Pdh4,2kWDegradation co-efficientCdh0.97- $j = + 12^{\circ}C$ Pdh4,8kWDegradation co-efficientCdh0.97- $j = + 12^{\circ}C$ Pdh4,8kWDegradation co-efficientCdh0.97- $j = bivalent temperaturePdh6,7kWj = operation limit temperaturePdh6,7kWj = -15^{\circ}C (f) TOL < -20^{\circ}C)$ | Tj = - 7°C | Pdh | 5,3 | kW | T: 780 | 60.0.1 | 2.42 | |
| Degradation co-efficientCdh0,97- $j = + 2^{*}C$ COPd3,23- $j = + 7^{*}C$ Pdh4,2kWDegradation co-efficientCdh0,97- $j = + 12^{*}C$ Pdh4,8kWDegradation co-efficientCdh0,97- $j = bixalent temperaturePdh6,7kWj = bixalent temperaturePdh6,7kWj = -15^{*}C (if TOL < - 20 °C)$ | Degradation co-efficient | Cdh | 0,99 | - | IJ = - / C | СОРа | 2,42 | - |
| Degradation co-efficientCdh0,97- $j = + 7^{\circ}C$ Pdh4,2kW $j = + 7^{\circ}C$ COPd4,78 $- j = + 12^{\circ}C$ Pdh4,8kWDegradation co-efficientCdh0,97- $j = + 12^{\circ}C$ Pdh4,8kWDegradation co-efficientCdh0,97- $j = + 12^{\circ}C$ COPd5,91- $j = operation limit temperaturePdh6,7kWj = -15^{\circ}C (if TOL < -20^{\circ}C)$ | Tj = + 2°C | Pdh | 3,1 | kW | T: _ + 2°C | CODd | 2 22 | |
| Degradation co-efficientCdh0,97- $j = 12^{\circ}C$ Pdh4,8kWDegradation co-efficientCdh0,97-j = bizalent temperaturePdh6,7kWj = operation limit temperaturePdh6,7kWj = operation limit temperaturePdh6,7kWj = -15°C (if TOL < -20°C) | Degradation co-efficient | Cdh | 0,97 | - | 1j = + 2 C | COPu | 3,23 | - |
| Degradation co-efficientCdh0,97- $j = + 12^{\circ}C$ Pdh4,8KW $j = + 12^{\circ}C$ COPd5,91 $j = + 12^{\circ}C$ COPd5,91 $j = peration limit temperaturePdh6,7KWj = -15^{\circ}C (if TOL < - 20°C)$ | Tj = + 7°C | Pdh | 4,2 | kW | T: _ + 7°C | COD4 | 4 70 | |
| Degradation co-efficientCdh0.97-Tj = bivalent temperaturePdh6,7kWTj = operation limit temperaturePdh3,3kWTj = operation limit temperatureCOPd1,83-Tj = operation limit temperaturePdh6,7kWTj = operation limit temperatureCOPd1,83-Tj = operation limit temperatureCOPd1,83-Tj = operation limit temperatureTOL-20 °C)COPd1,83Sivalent temperatureTbiv-15°COperation limit temperatureCOPd1,83Sivalent temperatureTbiv-15°COperation limit temperatureTOL-22°CCycling interval capacity for heatingPcych-kWHeating water operating limit temperatureWTOL60°CPower consumption in modes other than active modePOFF0,025kWSupplementary heaterSupplementary heaterSupplementary heaterPoter temsPOFF0,025kWYeo of energy inputElectricalImage: Supplementary inputElectricalCapacity controlVariablePCK0,025kWhRated air flow rate, outdoors-3300m3/Sound power level, indoors/ outdoorsLWA42/68dBRated brine or water flow rate, outdoorm3/Sound power level, indoors/ outdoorsLWA42/68dBPoily fuel consumptionm3/Cor heat pump combination heater <td>Degradation co-efficient</td> <td>Cdh</td> <td>0,97</td> <td>-</td> <td>IJ = + 7 C</td> <td>COPu</td> <td>4,78</td> <td>-</td> | Degradation co-efficient | Cdh | 0,97 | - | IJ = + 7 C | COPu | 4,78 | - |
| Degradation co-efficientCdh0,97-j = bigation limit temperaturePdh6,7kWTj = bivalent temperatureCOPd1,83j = operation limit temperaturePdh6,7kWTj = operation limit temperatureCOPd1,22j = -15 °C (if TOL < - 20 °C) | Tj = + 12°C | Pdh | 4,8 | kW | T: . 13%C | CODI | F 01 | |
| j = operation limit temperaturePdh3,3kWTj = operation limit temperatureCOPd1,22j = -15 °C (if TOL < - 20 °C) | Degradation co-efficient | Cdh | 0,97 | - | IJ = + IZ C | COPu | 5,91 | - |
| j = -15 °C (if TOL < -20 °C)Pdh6,7kWTj = -15 °C (if TOL < -20 °C)COPd1,83-Bivalent temperatureTbiv-15°COperation limit temperatureTOL-22°CCycling interval capacity for heatingPcych-kWHeating water operating limit temperatureWTOL60°CPower consumption in modes other than active modePCF0,025kWSupplementary heaterSupplementary heaterSupplementary heaterPower consumption in modes other than active modePOFF0,025kWSupplementary heaterRated heat outputPsup4,7kWPower consumption in modes other than active modePCK0,025kWType of energy inputElectricalElectricalPother itemsPCK0,025kWRated air flow rate, outdoors-3300m3/Capacity controlVariable6985kWhRated air flow rate, outdoorsm3/Cor heat pump combination heaterQHE6985kWhWater heating energy efficiencynwh78%Declared load profileLKWtKWhDaily fuel consumptionQfuel-kWh | Tj = bivalent temperature | Pdh | 6,7 | kW | Tj = bivalent temperature | COPd | 1,83 | - |
| Navalent temperatureTbiv-15°COperation limit temperatureTDL-22°CCycling interval capacity for heatingPcych-kWOperation limit temperatureCOPcycCycling interval capacity for heatingPcych-kWHeating water operating limit temperatureWTOL60°CPower consumption in modes other than active modeSupplementary heaterRated heat outputPsup4,7kWPomor consumption in modes other than active modePTO0,025kWRated heat outputPsup4,7kWTranscase heater modePCK0,025kWType of energy inputElectricalElectricalCapacity controlvariableVariableRated air flow rate, outdoors-3300m3/Capacity controlLWA42/68dBRated brine or water flow rate, outdoorm3/Cond power level, indoors/ outdoorsLWA42/68dBRated brine or water flow rate, outdoorm3/Cor heat pump combination heaterCor heat pump combination heaterLWater heating energy efficiencyNwh78%Declared load profileLLWater heating energy efficiencyOpfuel-kW | Tj = operation limit temperature | Pdh | 3,3 | kW | Tj = operation limit temperature | COPd | 1,22 | - |
| Cycling interval capacity for heatingPcych-kWCycling interval efficiencyCOPcycCycling interval efficiencyCOPcyc <t< td=""><td>Tj = – 15 °C (if TOL < – 20 °C)</td><td>Pdh</td><td>6,7</td><td>kW</td><td>Tj = – 15 °C (if TOL < – 20 °C)</td><td>COPd</td><td>1,83</td><td>-</td></t<> | Tj = – 15 °C (if TOL < – 20 °C) | Pdh | 6,7 | kW | Tj = – 15 °C (if TOL < – 20 °C) | COPd | 1,83 | - |
| Cycling interval capacity for heatingPcych-kWHeating water operating limit temperatureWTOL60°CPower consumption in modes other than active modeSupplementary heaterSupplementary heaterRated heat outputPsup4,7kWThermostat-off modePTO0,025kWRated heat outputPsup4,7kWType of energy inputPSB0,025kWType of energy inputElectricalOther itemsPCK0,025kWRated air flow rate, outdoors-3300m3/Capacity controlvariableFated air flow rate, outdoors-3300m3/Sound power level, indoors/ outdoorsLWA42/68dBRated brine or water flow rate, outdoorFor heat pump combination heaterCor heat pump combination heaterLWater heating energy efficiencynwh78%Declared load profileLSulp fuel consumptionQfuel-kW/ | Bivalent temperature | Tbiv | - 15 | °C | Operation limit temperature | TOL | - 22 | °C |
| Consumption in modes other than active mode Supplementary heater WIOL 60 Constraints Diff mode POFF 0,025 kW Rated heat output Psup 4,7 kW Thermostat-off mode PTO 0,025 kW Type of energy input Electrical Electrical Other items PCK 0,025 kW Rated air flow rate, outdoors - 3300 m3/ Capacity control Variable Rated air flow rate, outdoors - - m3/ Sound power level, indoors/ outdoors LWA 42/68 dB Rated brine or water flow rate, outdoor - - m3/ For heat pump combination heater Electricity consumption QHE 6985 kWh Water heating energy efficiency nwh 78 % Daily fuel consumption Qelec 6,401 kWh Daily fuel consumption Qfuel - kW/H | | | | | Cycling interval efficiency | COPcyc | - | - |
| ComparisonPower consumption in modes other than active modeSupplementary heaterDiff modePOFF0,025kWThermostat-off modePTO0,025kWThermostat-off modePSB0,025kWTrankcase heater modePCK0,025kWCrankcase heater modePCK0,025kWSound power level, indoors/ outdoorsLWA42/68dBAnnual energy consumptionQHE6985kWhCor heat pump combination heaterLWater heating energy efficiencynwhCor heat pump consumptionQelec6,401kWhDaily fuel consumptionQfuel-kW | Cycling interval capacity for heating | Pcych | - | kW | Heating water operating limit | MITOL | 60 | °C |
| Off mode POFF 0,025 kW Thermostat-off mode PTO 0,025 kW Thermostat-off mode PSB 0,025 kW Standby mode PSB 0,025 kW Crankcase heater mode PCK 0,025 kW Other items PCK 0,025 kW Capacity control variable Rated air flow rate, outdoors - 3300 m3/ Capacity control LWA 42/68 dB Rated brine or water flow rate, outdoors - - m3/ Sound power level, indoors/ outdoors LWA 42/68 dB Rated brine or water flow rate, outdoor - - m3/ For heat pump combination heater For heat pump combination heater U - Water heating energy efficiency nwh 78 % Daily electricity consumption Qelec 6,401 kWh Daily fuel consumption Qfuel - kWh | | | | | temperature | WIOL | 60 | L |
| International control PTO 0,025 kW Standby mode PSB 0,025 kW Crankcase heater mode PCK 0,025 kW Other items PCK 0,025 kW Capacity control Variable Rated air flow rate, outdoors - 3300 m3/ Capacity control LWA 42/68 dB Rated brine or water flow rate, outdoors - - m3/ Sound power level, indoors/ outdoors LWA 42/68 dB reated brine or water flow rate, outdoor - - m3/ Annual energy consumption QHE 6985 kWh Water heating energy efficiency nwh 78 % Declared load profile L kWh Daily fuel consumption Qfuel - kWi | Power consumption in modes other | than active n | node | | Supplementary heater | | | |
| Standby mode PSB 0,025 kW Type of energy input Electrical Crankcase heater mode PCK 0,025 kW Type of energy input Electrical Other items Capacity control variable Rated air flow rate, outdoors - 3300 m3/ Capacity control UWA 42/68 dB Rated air flow rate, outdoors - - m3/ Sound power level, indoors/ outdoors LWA 42/68 dB Rated brine or water flow rate, outdoor - - m3/ Annual energy consumption QHE 6985 kWh Water heating energy efficiency nwh 78 % Declared load profile L KWh Daily fuel consumption Qfuel - kWh | Off mode | POFF | 0,025 | kW | Rated heat output | Psup | 4,7 | kW |
| Crankcase heater mode PCK 0,025 kW Intervention Intervention <td>Thermostat-off mode</td> <td>РТО</td> <td>0,025</td> <td>kW</td> <td></td> <td></td> <td></td> <td></td> | Thermostat-off mode | РТО | 0,025 | kW | | | | |
| Other items Rated air flow rate, outdoors - 3300 m3/ Capacity control variable Rated air flow rate, outdoors - 3300 m3/ Sound power level, indoors/ outdoors LWA 42/68 dB Rated brine or water flow rate, outdoor - - m3/ Annual energy consumption QHE 6985 kWh Performed exchanger - m3/ For heat pump combination heater L Water heating energy efficiency nwh 78 % Daily electricity consumption Qelec 6,401 kWh Daily fuel consumption Qfuel - kWh | Standby mode | PSB | 0,025 | kW | Type of energy input | | Electrical | |
| Capacity control variable Rated air flow rate, outdoors - 3300 m3/ Sound power level, indoors/ outdoors LWA 42/68 dB Rated brine or water flow rate, outdoor - - - m3/ Annual energy consumption QHE 6985 kWh Rated brine or water flow rate, outdoor - - - m3/ Cor heat pump combination heater Value flow Value flow Part flow | Crankcase heater mode | РСК | 0,025 | kW | | | | |
| Sound power level, indoors/ outdoors LWA 42/68 dB Rated brine or water flow rate, outdoor heat exchanger - - m3/ Sound power level, indoors/ outdoors QHE 6985 kWh Rated brine or water flow rate, outdoor heat exchanger - - m3/ For heat pump combination heater E Vater heating energy efficiency nwh 78 % Daily electricity consumption Qelec 6,401 kWh Daily fuel consumption Qfuel - kWh | Other items | | | | | | | |
| Annual energy consumption QHE 6985 kWh heat exchanger Image: mail of the mail of | Capacity control | | variable | | Rated air flow rate, outdoors | - | 3300 | m3/h |
| Annual energy consumption QHE 6985 kWh Consumption Consumption <thconsumption< th=""> Consumption Consumption</thconsumption<> | Sound power level, indoors/ outdoors | LWA | 42/68 | dB | | - | - | m3/h |
| Declared load profile L Water heating energy efficiency nwh 78 % Daily electricity consumption Qelec 6,401 kWh Daily fuel consumption Qfuel - kWh | Annual energy consumption | QHE | 6985 | kWh | neat exchanger | | | |
| Daily electricity consumption Qelec 6,401 kWh Daily fuel consumption Qfuel - kWh | For heat pump combination heater | | | | | | | |
| | Declared load profile | | L | | Water heating energy efficiency | ηwh | 78 | % |
| Annual electricity consumption AEC 1314 kWh Annual fuel consumption AFC - GJ | Daily electricity consumption | Qelec | 6,401 | kWh | Daily fuel consumption | Qfuel | - | kWh |
| | Annual electricity consumption | AEC | 1314 | kWh | Annual fuel consumption | AFC | - | GJ |

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Annual electricity consumption

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.

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 XB10 (PROCIDA A | AWS 10 (O) + PROCIDA ITU 10) |
|--------------------------------------|--------------|---------|---------------------|------------------------------|
| 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 | o Average | | o Colder | x Warmer |
| Temperature application | x Medium (5 | 5°C) | o Low (35°C) | |
| Applied Standards | EN14825 / El | N16147 | | |

| Item | Symbol | Value | Value Unit | Item | Symbol | Value | Unit |
|--------------------------------------------|-----------------|-----------|------------|-------------------------------------------------------------------------------------|---------------|--------------|------------|
| Rated heat output | Prated | 9 | kW | Seasonal space heating energy efficiency | ηs | 161 | % |
| Declared capacity for heating for part loa | ad at indoor te | mperature | 20 °C and | Declared coefficient of performance or p indoor temperature 20 °C and outdoor te | | ratio for pa | rt load at |
| outdoor temperature Tj | | 1 | | Indoor temperature 20°C and outdoor te | emperature IJ | | |
| Tj = - 7°C | Pdh | - | kW | Ti = - 7°C | COPd | - | - |
| Degradation co-efficient | Cdh | - | - | | | | |
| Tj = + 2°C | Pdh | 9,0 | kW | Tj = + 2°C | COPd | 2,48 | - |
| Degradation co-efficient | Cdh | 0,99 | - | , | | , - | |
| Tj = + 7°C | Pdh | 5,9 | kW | Tj = + 7°C | COPd | 3,56 | - |
| Degradation co-efficient | Cdh | 0,98 | - | ., | | 0,00 | |
| Tj = + 12°C | Pdh | 5,2 | kW | Tj = + 12°C | COPd | 5,30 | _ |
| Degradation co-efficient | Cdh | 0,97 | - | | coru | 5,50 | |
| Tj = bivalent temperature | Pdh | 9,0 | kW | Tj = bivalent temperature | COPd | 2,48 | - |
| Tj = operation limit temperature | Pdh | 9,0 | kW | Tj = operation limit temperature | COPd | 2,48 | - |
| 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 | 2 | °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 | 0,025 | kW | Rated heat output | Psup | 0,0 | kW |
| Thermostat-off mode | PTO | 0,025 | kW | | | | |
| Standby mode | PSB | 0,025 | kW | Type of energy input | | Electrical | |
| Crankcase heater mode | РСК | 0,025 | kW | | | | |
| Other items | | | | | | | |
| Capacity control | | variable | | Rated air flow rate, outdoors | - | 3200 | m3/h |
| Sound power level, indoors/ outdoors | LWA | 42/68 | dB | Rated brine or water flow rate, outdoor | - | - | m3/h |
| Annual energy consumption | QHE | 2927 | kWh | heat exchanger | | | |
| For heat pump combination heater | | | | | | | |
| Declared load profile | | L | | Water heating energy efficiency | ηwh | 110 | % |
| Daily electricity consumption | Qelec | 4,574 | kWh | Daily fuel consumption | Qfuel | - | kWh |
| | 1 | 1 | 1 | | | | |

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

kWh

Annual fuel consumption

AFC

GJ

933

AEC

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.

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 XB10 (PROCIDA AWS | S 10 (O) + PROCIDA ITU 10) |
|--------------------------------------|-----------|-----------|-------------------------------|----------------------------|
| 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 | Item | Symbol | Value | Unit |
|--------------------------------------------|-----------------|-------------|-----------|---------------------------------------------|---------------|--------------|------------|
| Rated heat output | Prated | 9 | kW | Seasonal space heating energy efficiency | ηs | 181 | % |
| Declared capacity for heating for part loa | 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 | emperature Tj | | |
| Tj = - 7°C | Pdh | 7,7 | kW | Tj = - 7°C | COPd | 2,87 | |
| Degradation co-efficient | Cdh | 0,99 | - | IJ = - 7 C | COPU | 2,07 | - |
| Tj = + 2°C | Pdh | 4,8 | kW | Tj = + 2°C | COPd | 4,34 | _ |
| Degradation co-efficient | Cdh | 0,98 | - | 1j = + 2 C | COPu | 4,54 | - |
| Tj = + 7°C | Pdh | 3,1 | kW | T: 7%C | CODI | 6.50 | |
| Degradation co-efficient | Cdh | 0,95 | - | Tj = + 7°C | COPd | 6,58 | - |
| Tj = + 12°C | Pdh | 3,7 | kW | | | | |
| Degradation co-efficient | Cdh | 0,94 | - | Tj = + 12°C | COPd | 8,37 | - |
| Tj = bivalent temperature | Pdh | 7,7 | kW | Tj = bivalent temperature | COPd | 2,87 | - |
| Tj = operation limit temperature | Pdh | 7,1 | kW | Tj = operation limit temperature | COPd | 2,59 | - |
| 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 | - 10 | °C |
| | | | | Cycling interval efficiency | COPcyc | - | - |
| Cycling interval capacity for heating | Pcych | - | kW | Heating water operating limit | WTOL | 60 | °C |
| | | | | temperature | WIOL | 00 | ر د |
| Power consumption in modes other | than active n | node | | Supplementary heater | | | |
| Off mode | POFF | 0,025 | kW | Rated heat output | Psup | 1,9 | kW |
| Thermostat-off mode | РТО | 0,025 | kW | | | | |
| Standby mode | PSB | 0,025 | kW | Type of energy input | | Electrical | |
| Crankcase heater mode | PCK | 0,025 | kW | | | | |
| Other items | | | | | | | |
| Capacity control | | variable | | Rated air flow rate, outdoors | - | 3300 | m3/h |
| Sound power level, indoors/ outdoors | LWA | 42/68 | dB | Rated brine or water flow rate, outdoor | - | - | m3/h |
| Annual energy consumption | QHE | 4038 | kWh | heat exchanger | | | |
| For heat pump combination heater | | | | | | | |
| Declared load profile | | L | | Water heating energy efficiency | ηwh | 89 | % |
| Daily electricity consumption | Qelec | 5,632 | kWh | Daily fuel consumption | Qfuel | - | kWh |
| Annual electricity consumption | AEC | 1152 | kWh | Annual fuel consumption | AFC | - | GJ |
| Contact details | | | | Fondital : Via Cerreto 40, 25079 \ | • | - Italy | |

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 AWS XB10 (PROCIDA AWS | 10 (O) + PROCIDA ITU 10) |
|--------------------------------------|-------------|--------|-------------------------------|--------------------------|
| 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 | o Average | | x Colder | o Warmer |
| Temperature application | o Medium (| 55°C) | x Low (35°C) | |
| Applied Standards | EN14825 / E | N16147 | | |

| Item | Symbol Value | | Unit | Item | Symbol | Value | Unit | | |
|--------------------------------------------|-----------------|-----------|-----------|------------------------------------------------------------------------------|---------------|------------|------|--|--|
| Rated heat output | Prated | 8 | kW | Seasonal space heating energy efficiency | ηs | 149 | % | | |
| Declared capacity for heating for part loa | ad at indoor te | mperature | 20 °C and | Declared coefficient of performance or primary energy ratio for part load at | | | | | |
| outdoor temperature Tj | | | | indoor temperature 20 °C and outdoor te | emperature Tj | | | | |
| Tj = - 7°C | Pdh | 5,2 | kW | Tj = - 7°C | COPd | 3,25 | | | |
| Degradation co-efficient | Cdh | 0,98 | - | IJ = - 7 C | COPu | 3,23 | - | | |
| Tj = + 2°C | Pdh | 3,2 | kW | Tj = + 2°C | COPd | 4,31 | | | |
| Degradation co-efficient | Cdh | 0,97 | - | IJ = + 2 C | COPu | 4,51 | - | | |
| Tj = + 7°C | Pdh | 4,3 | kW | Ti = + 7°C | COPd | 6,11 | | | |
| Degradation co-efficient | Cdh | 0,96 | - | 1j = + / C | COPu | 0,11 | - | | |
| Tj = + 12°C | Pdh | 4,9 | kW | Tj = + 12°C | COD4 | 7,30 | _ | | |
| Degradation co-efficient | Cdh | 0,96 | - | IJ = + 12 C | COPd | 7,30 | _ | | |
| Tj = bivalent temperature | Pdh | 6,4 | kW | Tj = bivalent temperature | COPd | 2,69 | - | | |
| Tj = operation limit temperature | Pdh | 5,6 | kW | Tj = operation limit temperature | COPd | 1,67 | - | | |
| Tj = – 15 °C (if TOL < – 20 °C) | Pdh | 6,4 | kW | Tj = – 15 °C (if TOL < – 20 °C) | COPd | 2,69 | - | | |
| Bivalent temperature | Tbiv | - 15 | °C | Operation limit temperature | TOL | - 22 | °C | | |
| | Pcych | - | kW | Cycling interval efficiency | COPcyc | - | - | | |
| Cycling interval capacity for heating | | | | Heating water operating limit temperature | WTOL | 60 | °C | | |
| Power consumption in modes other | than active n | node | | Supplementary heater | | | | | |
| Off mode | POFF | 0,025 | kW | Rated heat output | Psup | 2,4 | kW | | |
| Thermostat-off mode | РТО | 0,025 | kW | | | | | | |
| Standby mode | PSB | 0,025 | kW | Type of energy input | | Electrical | | | |
| Crankcase heater mode | РСК | 0,025 | kW | | | | | | |
| Other items | | | | | | | | | |
| Capacity control | | variable | | Rated air flow rate, outdoors | - | 3300 | m3/h | | |
| Sound power level, indoors/ outdoors | LWA | 42/68 | dB | Rated brine or water flow rate, outdoor | - | - | m3/h | | |
| Annual energy consumption | QHE | 5201 | kWh | heat exchanger | | | | | |

For heat pump combination heater

| Declared load profile | | L | | Water heating energy efficiency | ηwh | 78 | % |
|--------------------------------|-------|-------|-----|---------------------------------|-------|----|-----|
| Daily electricity consumption | Qelec | 6,401 | kWh | Daily fuel consumption | Qfuel | - | kWh |
| Annual electricity consumption | AEC | 1314 | kWh | Annual fuel consumption | AFC | - | GJ |

Contact details

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 AW | /S XB10 (PROCIE | DA AWS 10 (O) + PRO | CIDA ITU 10) | |
|--------------------------------------|--------------|---------------|------------|-----------------|---------------------|--------------|--|
| 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 | o Average | | | o Colder | | x Warmer | |
| Temperature application | o Medium (5 | Medium (55°C) | | x Low (35°C) | | | |
| Applied Standards | EN14825 / El | N16147 | | | | | |

| Item | Symbol | Value | Unit | Item | Symbol | Value | Unit |
|-------------------------------------------|------------------|-----------|-----------|---------------------------------------------|----------------|--------------|------------|
| Rated heat output | Prated | 9 | kW | Seasonal space heating energy efficiency | ηs | 217 | % |
| Declared capacity for heating for part lo | oad at indoor te | mperature | 20 °C and | Declared coefficient of performance or | primary energy | ratio for pa | rt load at |
| outdoor temperature Tj | | | | indoor temperature 20 °C and outdoor | temperature Tj | | |
| Tj = - 7°C | Pdh | - | kW | Tj = - 7°C | COPd | | |
| Degradation co-efficient | Cdh | - | - | IJ = - 7 C | COPu | - | - |
| Tj = + 2°C | Pdh | 8,8 | kW | Tj = + 2°C | COPd | 3,15 | |
| Degradation co-efficient | Cdh | 0,99 | - | 1) - + 2 C | COPU | 5,15 | - |
| Tj = + 7°C | Pdh | 5,8 | kW | Ti = + 7°C | COPd | 4,86 | |
| Degradation co-efficient | Cdh | 0,98 | - | IJ - + / C | COPU | 4,00 | |
| Tj = + 12°C | Pdh | 5,1 | kW | Tj = + 12°C | COPd | 7,18 | |
| Degradation co-efficient | Cdh | 0,96 | - | IJ = + 12 C | COFU | 7,10 | - |
| Tj = bivalent temperature | Pdh | 8,8 | kW | Tj = bivalent temperature | COPd | 3,15 | - |
| Tj = operation limit temperature | Pdh | 8,8 | kW | Tj = operation limit temperature | COPd | 3,15 | - |
| 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 | 2 | °C |
| | | | kW | Cycling interval efficiency | COPcyc | - | - |
| Cycling interval capacity for heating | Pcych | - | | Heating water operating limit temperature | WTOL | 60 | °C |
| Power consumption in modes othe | r than active n | node | | Supplementary heater | | | |
| Off mode | POFF | 0,025 | kW | Rated heat output | Psup | 0,0 | kW |
| Thermostat-off mode | PTO | 0,025 | kW | | | | |
| Standby mode | PSB | 0,025 | kW | Type of energy input | | Electrical | |
| Crankcase heater mode | РСК | 0,025 | kW | | | | |
| Other items | | | | | | | |
| Capacity control | | variable | | Rated air flow rate, outdoors | - | 3300 | m3/h |
| | | | | | | | |

| Capacity control | variable | | | Rated air flow rate, outdoors | - | 3300 | m3/h |
|--------------------------------------|----------|-------|-----|-----------------------------------------------------------|---|------|------|
| Sound power level, indoors/ outdoors | LWA | 42/68 | dB | Rated brine or water flow rate, outdoor heat exchanger | - | - | m3/h |
| Annual energy consumption | QHE | 2183 | kWh | | | | |

For heat pump combination heater

| Declared load profile | L | | | Water heating energy efficiency | ηwh | 110 | % |
|--------------------------------|-------|-------|-----|---------------------------------|-------|-----|-----|
| Daily electricity consumption | Qelec | 4,574 | kWh | Daily fuel consumption | Qfuel | - | kWh |
| Annual electricity consumption | AEC | 933 | kWh | Annual fuel consumption | AFC | - | GJ |

Contact details