

Product Fiche

Importer: Salvador Escoda S.A.

Address: Provenza, 392 P2, 08025 Barcelona (Spain)

| Technical parameters | | | | | | | |
|--|---|-------|------|--|-------------|-------|-------------------|
| Model(s): | | | | MUENR-30-H7T(K) | | | |
| Air-to-water heat pump: | | | | YES | | | |
| Water-to-water heat pump: | | | | NO | | | |
| Brine-to-water heat pump: | | | | NO | | | |
| Low-temperature heat pump: | | | | YES | | | |
| Equipped with a supplementary heater: | | | | NO | | | |
| Heat pump combination heater: | | | | NO | | | |
| Declared climate condition: | | | | AVERAGE | | | |
| Parameters are declared for low-temperature application. | | | | | | | |
| Item | Symbol | Value | Unit | Item | Symbol | Value | Unit |
| Rated heat output (*) | Prated | 18 | KW | Seasonal space heating energy efficiency | η_s | 128 | % |
| Declared capacity for heating for part load at outdoor temperature T_j | | | | Declared coefficient of performance or primary energy ratio for part load at outdoor temperature T_j | | | |
| $T_j = -7\text{ C}$ | Pdh | 15.9 | KW | $T_j = -7\text{ C}$ | COPd | 2.17 | - |
| $T_j = 2\text{ C}$ | Pdh | 9.7 | KW | $T_j = 2\text{ C}$ | COPd | 3.44 | - |
| $T_j = 7\text{ C}$ | Pdh | 6.5 | KW | $T_j = 7\text{ C}$ | COPd | 4.55 | - |
| $T_j = 12\text{ C}$ | Pdh | 8.0 | KW | $T_j = 12\text{ C}$ | COPd | 6.45 | - |
| T_j =bivalent temperature | Pdh | 15.9 | KW | T_j =bivalent temperature | COPd | 2.17 | - |
| T_j = operating limit | Pdh | 16.4 | KW | T_j = operating limit | COPd | 1.70 | - |
| For air-to-water heat pumps: $T_j = -15\text{ C}$ | Pdh | - | KW | For air-to-water heat pumps: $T_j = -15\text{ C}$ | COPd | - | - |
| Bivalent temperature | Tbiv | -7 | C | For air-to-water heat pumps: Operation limit temperature | TOL | -10 | C |
| Cycling interval capacity for heating | Pcy ch | - | KW | Cycling interval efficiency | COPcy c | - | - |
| Degradation co-efficient (**) | Cdh | 0.99 | -- | Heating water operating limit temperature | WTOL | - | C |
| Power consumption in modes other than active mode | | | | Supplementary heater | | | |
| Off mode | Pof f | 0.075 | kW | Rated heat output (**) | Psup | - | - |
| Standby mode | Psb | 0.075 | kW | | | | |
| Thermostat-off mode | Pto | 0.500 | kW | Type of energy input | | - | |
| Crankcase heater mode | Pck | 0.075 | kW | | | | |
| Other items | | | | | | | |
| Capacity control | variable | | | For air-to-water heat pumps: Rated air flow rate, outdoors | - | 12500 | m ³ /h |
| Sound power level, outdoors | LWA | 78 | dB | For water- or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heatexchanger | - | - | m ³ /h |
| Annual energy consumption | QHE | 12100 | kWh | | | | |
| For heat pump combination heater: | | | | | | | |
| Declared load profile | - | | | Water heating energy efficiency | η_{wh} | - | % |
| Daily electricity consumption | Qelec | - | kWh | Daily fuel consumption | Qfuel | - | kWh |
| Annual electricity consumption | AEC | - | kWh | Annual fuel consumption | AFC | - | GJ |
| Contact details | SALVADOR ESCODA SA, C/PROVENZA 392 P2 08172 BARCELONA (SPAIN) | | | | | | |
| (*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj). | | | | | | | |
| (**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,99. | | | | | | | |

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| Technical parameters | | | | | | | |
|--|---|-------|------|---|-------------|-------|-------------------|
| Model(s): | | | | MUENR-60-H7T(K) | | | |
| Air-to-water heat pump: | | | | YES | | | |
| Water-to-water heat pump: | | | | NO | | | |
| Brine-to-water heat pump: | | | | NO | | | |
| Low-temperature heat pump: | | | | YES | | | |
| Equipped with a supplementary heater: | | | | NO | | | |
| Heat pump combination heater: | | | | NO | | | |
| Declared climate condition: | | | | AVERAGE | | | |
| Parameters are declared for low-temperature application. | | | | | | | |
| Item | Symbol | Value | Unit | Item | Symbol | Value | Unit |
| Rated heat output (*) | Prated | 31 | KW | Seasonal space heating energy efficiency | η_s | 135 | % |
| Declared capacity for heating for part load at outdoor temperature Tj | | | | Declared coefficient of performance or primary energy ratio for part load at outdoor temperature Tj | | | |
| Tj = -7°C | Pdh | 26.1 | KW | Tj = -7°C | COPd | 2.59 | - |
| Tj = 2°C | Pdh | 16.7 | KW | Tj = 2°C | COPd | 3.56 | - |
| Tj = 7°C | Pdh | 11.8 | KW | Tj = 7°C | COPd | 3.87 | - |
| Tj = 12°C | Pdh | 11.2 | KW | Tj = 12°C | COPd | 5.70 | - |
| Tj=bivalent temperature | Pdh | 31.0 | KW | Tj=bivalent temperature | COPd | 2.32 | - |
| Tj = operating limit | Pdh | 31.0 | KW | Tj = operating limit | COPd | 2.32 | - |
| For air-to-water heat pumps: Tj = -15°C | Pdh | - | KW | For air-to-water heat pumps: Tj = -15°C | COPd | - | - |
| Bivalent temperature | Tbiv | -10 | °C | For air-to-water heat pumps: Operation limit temperature | TOL | -10 | °C |
| Cycling interval capacity for heating | Pcy ch | - | KW | Cycling interval efficiency | COPcy c | - | - |
| Degradation co-efficient (**) | Cdh | 0.99 | -- | Heating water operating limit temperature | WTOL | 35 | °C |
| Power consumption in modes other than active mode | | | | Supplementary heater | | | |
| Off mode | Pof f | 0.075 | kW | Rated heat output (**) | Psup | - | - |
| Standby mode | Psb | 0.075 | kW | | | | |
| Thermostat-off mode | Pto | 0.600 | kW | Type of energy input | - | | |
| Crankcase heater mode | Pck | 0.075 | kW | | | | |
| Other items | | | | | | | |
| Capacity control | variable | | | For air-to-water heat pumps: Rated air flow rate, outdoors | - | 24000 | m ³ /h |
| Sound power level, outdoors | LWA | 86 | dB | For water- or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger | - | - | m ³ /h |
| Annual energy consumption | QHE | 18998 | kWh | | | | |
| For heat pump combination heater: | | | | | | | |
| Declared load profile | - | | | Water heating energy efficiency | η_{wh} | - | % |
| Daily electricity consumption | Qelec | - | kWh | Daily fuel consumption | Qfuel | - | kWh |
| Annual electricity consumption | AEC | - | kWh | Annual fuel consumption | AFC | - | GJ |
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| (*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj). | | | | | | | |
| (**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh =0.99. | | | | | | | |