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METROAIR F10 R32



55 °C

35 °C



A++

A+++



53 dB

6
6
7
kW

7
6
7
kW



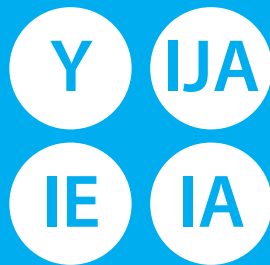
2019

811/2013





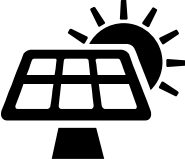



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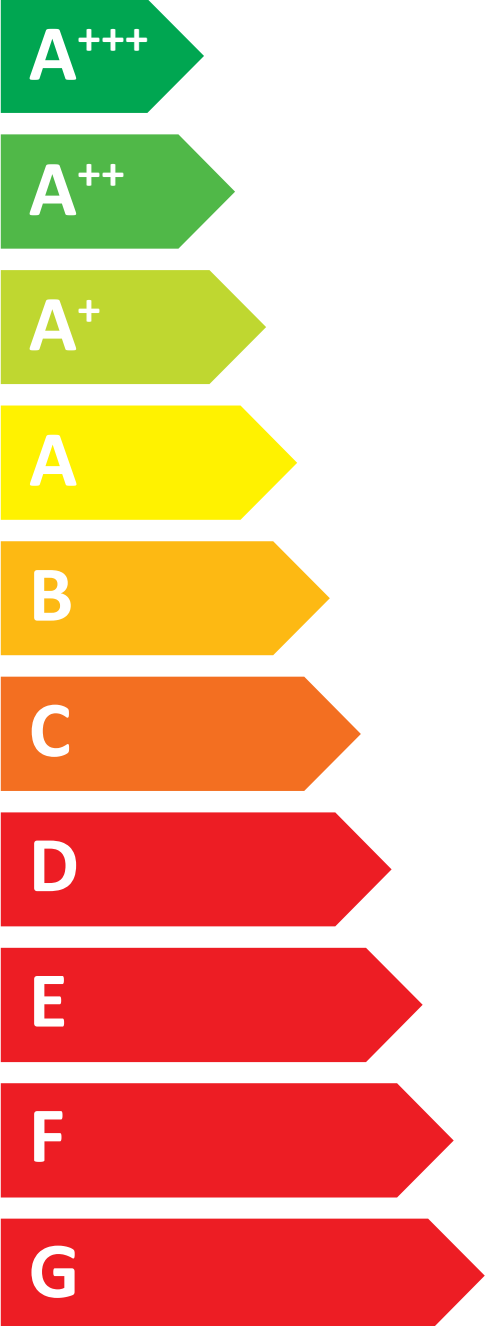
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METROAIR F10 R32 + S40


| | | |
|---|---|-------------------------------------|
| + |  | <input type="checkbox"/> |
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| + |  | <input type="checkbox"/> |




| | | | |
|---|------------------------|------------|-----|
| Supplier's name: | METRO THERM A/S | | |
| Model: | Metroair F10 R32 + S40 | | |
| Temperature application | 35 | 55 | °C |
| Declared load profile for water heating | | | |
| Seasonal space heating energy efficiency class, average climate: | A+++ | A++ | |
| Water heating energy efficiency class, average climate: | | | |
| Rated heat output, average climate: | 6 | 6 | kW |
| Annual energy consumption for space heating, average climate | 2834 | 3961 | kWh |
| Annual electricity consumption for water heating, average climate | | | kWh |
| Seasonal space heating energy efficiency, average climate: | 181 | 132 | % |
| Water heating energy efficiency, average climate: | | | % |
| Sound power level LWA indoors | | | dB |
| Rated heat output, cold climate: | 7 | 6 | kW |
| Rated heat output, warm climate: | 7 | 7 | kW |
| Annual energy consumption for space heating, cold climate | 4059 | 5204 | kWh |
| Annual electricity consumption for water heating, cold climate | | | kWh |
| Annual energy consumption for space heating, warm climate | 1379 | 1964 | kWh |
| Annual electricity consumption for water heating, warm climate | | | kWh |
| Seasonal space heating energy efficiency, cold climate: | 155 | 114 | % |
| Water heating energy efficiency, cold climate: | | | % |
| Seasonal space heating energy efficiency, warm climate: | 260 | 177 | % |
| Water heating energy efficiency, warm climate: | | | % |
| Sound power level LWA outdoors | 53 | | dB |

Data for package fiche with SMO or VVM

| | | | |
|--|-------------|------------|---|
| Controller class | CLASS_VI | | |
| Controller contribution to efficiency | 4 | | % |
| Seasonal space heating energy efficiency of package, average climate: | 185 | 136 | % |
| Seasonal space heating energy efficiency class for package, average climate: | A+++ | A++ | % |
| Seasonal space heating energy efficiency of package, cold climate: | 159 | 118 | % |
| Seasonal space heating energy efficiency of package, warm climate: | 264 | 181 | % |

| | | | | | | | | | |
|--|-------------------|---|-----|---|---|-------------------|-------------------------------|-------------------|---|
| Model(s): | | Metroair F10 R32 | |  | | | | | |
| Type of heat source/sink: | | Air/water | | | | | | | |
| Low-temperature heat pump: | | No | | | | | | | |
| Equipped with supplementary heater: | | No | | | | | | | |
| Heat pump combination heater: | | No | | | | | | | |
| Climate condition: | | Average | | | | | | | |
| Temperature application: | | Medium temperature (55 °C) | | | | | | | |
| Applied standards: EN14825 - EN12102-1 | | | | | | | | | |
| Rated heat output | | Prated | 6,5 | kW | Seasonal space heating energy efficiency | | η_s | 132 | % |
| <i>Declared capacity for part load at outdoor temperature Tj</i> | | | | <i>Declared coefficient of performance for part load at outdoor temperature Tj</i> | | | | | |
| Tj = -7 °C | Pdh | 5,8 | kW | Tj = -7 °C | COPd | 1,98 | | | |
| Tj = +2 °C | Pdh | 3,5 | kW | Tj = +2 °C | COPd | 3,17 | | | |
| Tj = +7 °C | Pdh | 2,3 | kW | Tj = +7 °C | COPd | 4,98 | | | |
| Tj = +12 °C | Pdh | 2,2 | kW | Tj = +12 °C | COPd | 5,50 | | | |
| Tj = biv | Pdh | 5,8 | kW | Tj = biv | COPd | 1,98 | | | |
| Tj = TOL | Pdh | 5,8 | kW | Tj = TOL | COPd | 1,69 | | | |
| Tj = -15 °C (if TOL < -20 °C) | Pdh | | kW | Tj = -15 °C (if TOL < -20 °C) | COPd | | | | |
| Bivalent temperature | | | | T _{biv} | -7 | °C | Operation limit temperature | | |
| Cycling interval capacity for heating | | | | P _{cyh} | | kW | Cycling interval efficiency | | |
| Degradation co-efficient | | | | Cdh | 0,98 | - | Heating water operating limit | | |
| | | | | | | | WTOL | | |
| | | | | | | | 60 | | |
| | | | | | | | °C | | |
| | | | | | | | - | | |
| | | | | | | | °C | | |
| <i>Power consumption in modes other than active mode</i> | | | | <i>Supplementary heater</i> | | | | | |
| Off mode | P _{OFF} | 0,003 | kW | Rated heat output | | P _{sup} | 0,7 | kW | |
| Thermostat-off mode | P _{TO} | 0,008 | kW | | | | | | |
| Standby mode | P _{SB} | 0,008 | kW | Type of energy input | | Electric | | | |
| Crankcase heater mode | P _{CK} | 0,000 | kW | | | | | | |
| <i>Other items</i> | | | | | | | | | |
| Capacity control | Variable | | | Rated air flow rate, outdoors | | | 3000 | m ³ /h | |
| Sound power level, indoors/outdoors | L _{WA} | -/53 | dB | Rated water flow rate, indoor heat exchanger | | | | m ³ /h | |
| Annual energy consumption | Q _{HE} | 3961 | kWh | Rated brine or water flow rate, outdoor heat exchanger | | | | m ³ /h | |
| | | | | | | | | | |
| <i>For heat pump combination heater:</i> | | | | | | | | | |
| Declared load profile | | | | Water heating energy efficiency | | η_{wh} | | % | |
| | | | | | | | | | |
| Daily electricity consumption | Q _{elec} | | kWh | Daily fuel consumption | | Q _{fuel} | | kWh | |
| Annual electricity consumption | AEC | | kWh | Annual fuel consumption | | AFC | | GJ | |
| Approved by: | | | | | | | | | |
| Contact details | | METRO THERM A/S Rundinsvej 55 DK-3220 Helsingø www.metrotherm.dk | | | | | | | |