

Subtype EcoAir C116

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|---------------------|--|
| Certificate Holder | CTC AB |
| Address | Box 309, Näsvägen |
| ZIP | SE-341 26 |
| City | Ljungby |
| Country | SE |
| Certification Body | UL International Italia S.r.l. |
| Subtype title | EcoAir C116 |
| Registration number | 047-A1001 |
| Heat Pump Type | Outdoor Air/Water |
| Refrigerant | R290 |
| Mass of Refrigerant | 1.6 kg |
| Certification Date | 30.06.2025 |
| Testing basis | Heat Pump Keymark scheme rules V15 |
| Testing laboratory | Centro de Ensayos, Innovación y Servicios (CEIS), ES |

Model EcoAir C116 1x230V

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|-------------------------------------|-----------------------|
| Model name | EcoAir C116 1x230V |
| Application | Heating (medium temp) |
| Units | Outdoor |
| Climate zone (for heating) | n/a |
| Reversibility | Yes |
| Cooling mode application (optional) | n/a |
| Any additional heat sources | n/a |

General data

| | |
|------------------|-------------|
| Power supply | 1x230V 50Hz |
| Off-peak product | n/a |

Outdoor Air/Water**EN 14511-4 | Heating**

Shutting off the heat transfer medium flow passed

| | |
|-------------------------------|--------|
| Complete power supply failure | passed |
| Defrost test | passed |
| Starting and operating test | passed |

EN 14511-2 | Heating

| | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 16.05 kW | 15.40 kW |
| El input | 3.73 kW | 5.27 kW |
| COP | 4.30 | 2.92 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level outdoor | 52 dB(A) | 51 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| η_s | 203 % | 156 % |
| Prated | 13.50 kW | 12.50 kW |
| SCOP | 5.15 | |
| Tbiv | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 11.15 kW | 10.54 kW |
| COP Tj = -7°C | 2.92 | 2.14 |
| Cdh Tj = -7 °C | 0.900 | 0.900 |
| Pdh Tj = +2°C | 7.04 kW | 7.27 kW |
| COP Tj = +2°C | 5.26 | 3.83 |
| Cdh Tj = +2 °C | 0.900 | 0.900 |
| Pdh Tj = +7°C | 4.36 kW | 4.67 kW |

| | | |
|---|-------------|-------------|
| COP Tj = +7°C | 7.21 | 5.74 |
| Cdh Tj = +7 °C | 0.900 | 0.900 |
| Pdh Tj = 12°C | 3.87 kW | 3.86 kW |
| COP Tj = 12°C | 10.43 | 8.47 |
| Cdh Tj = +12 °C | 0.900 | 0.900 |
| Pdh Tj = Tbiv | 11.15 kW | 10.54 kW |
| COP Tj = Tbiv | 2.92 | 2.14 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 10.62 kW | 9.92 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.60 | 1.98 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.900 | 0.900 |
| WTOL | 75 °C | 75 °C |
| Poff | 6 W | 6 W |
| PTO | 6 W | 6 W |
| PSB | 6 W | 6 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 2.88 kW | 2.58 kW |
| Annual energy consumption Qhe | 5421 kWh | 6507 kWh |

Model EcoAir C116 3x400V

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|-------------------------------------|-----------------------|
| Model name | EcoAir C116 3x400V |
| Application | Heating (medium temp) |
| Units | Outdoor |
| Climate zone (for heating) | n/a |
| Reversibility | Yes |
| Cooling mode application (optional) | n/a |
| Any additional heat sources | n/a |

General data

| | |
|------------------|-------------|
| Power supply | 3x400V 50Hz |
| Off-peak product | n/a |

Outdoor Air/Water**EN 14511-4 | Heating**

Shutting off the heat transfer medium flow passed

| | |
|-------------------------------|--------|
| Complete power supply failure | passed |
| Defrost test | passed |
| Starting and operating test | passed |

EN 14511-2 | Heating

| | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 16.05 kW | 15.40 kW |
| El input | 3.73 kW | 5.27 kW |
| COP | 4.30 | 2.92 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level outdoor | 52 dB(A) | 51 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| η_s | 203 % | 156 % |
| Prated | 13.50 kW | 12.50 kW |
| SCOP | 5.15 | |
| Tbiv | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 11.15 kW | 10.54 kW |
| COP Tj = -7°C | 2.92 | 2.14 |
| Cdh Tj = -7 °C | 0.900 | 0.900 |
| Pdh Tj = +2°C | 7.04 kW | 7.27 kW |
| COP Tj = +2°C | 5.26 | 3.83 |
| Cdh Tj = +2 °C | 0.900 | 0.900 |
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| COP Tj = +7°C | 7.21 | 5.74 |
| Cdh Tj = +7 °C | 0.900 | 0.900 |
| Pdh Tj = 12°C | 3.87 kW | 3.86 kW |
| COP Tj = 12°C | 10.43 | 8.47 |
| Cdh Tj = +12 °C | 0.900 | 0.900 |
| Pdh Tj = Tbiv | 11.15 kW | 10.54 kW |
| COP Tj = Tbiv | 2.92 | 2.14 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 10.62 kW | 9.92 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.60 | 1.98 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.900 | 0.900 |
| WTOL | 75 °C | 75 °C |
| Poff | 6 W | 6 W |
| PTO | 6 W | 6 W |
| PSB | 6 W | 6 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 2.88 kW | 2.58 kW |
| Annual energy consumption Qhe | 5421 kWh | 6507 kWh |