

Subtype Monoblock A2W Heat Pump 16kw

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|---------------------|---|
| Certificate Holder | Foshan Shunde Zealux Electrical Appliances Co., Ltd. |
| Address | No.2-8, No.9 Road, Science and Technology zone, Xingtan Industrial Park, Xingtan Town, Shunde District, Foshan City |
| ZIP | 528325 |
| City | Guangdong |
| Country | CN |
| Certification Body | DIN CERTCO Gesellschaft für Konformitätsbewertung mbH |
| Subtype title | Monoblock A2W Heat Pump 16kw |
| Registration number | 011-1W0674 |
| Heat Pump Type | Outdoor Air/Water |
| Refrigerant | R32 |
| Mass of Refrigerant | 2.4 kg |
| Certification Date | 06.09.2023 |
| Testing basis | European KEYMARK Scheme for Heat Pumps Rev. 12 (as of 2023-03) |

Model XAH16Csi32

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|-------------------------------------|-----------------------|
| Model name | XAH16Csi32 |
| 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 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level outdoor | 69 dB(A) | 69 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|-----------------|-----------------|--------------------|
| η_s | 179 % | 129 % |
| Prated | 12.05 kW | 12.47 kW |
| SCOP | 4.55 | 3.30 |
| Tbiv | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 10.66 kW | 11.02 kW |
| COP Tj = -7°C | 3.08 | 1.95 |
| Cdh Tj = -7 °C | 1.000 | 1.000 |
| Pdh Tj = +2°C | 6.41 kW | 6.73 kW |
| COP Tj = +2°C | 4.53 | 3.34 |
| Cdh Tj = +2 °C | 1.000 | 1.000 |
| Pdh Tj = +7°C | 4.34 kW | 4.48 kW |
| COP Tj = +7°C | 5.56 | 4.06 |
| Cdh Tj = +7 °C | 0.990 | 0.990 |
| Pdh Tj = 12°C | 4.31 kW | 4.28 kW |
| COP Tj = 12°C | 7.86 | 6.07 |
| Cdh Tj = +12 °C | 0.990 | 0.990 |
| Pdh Tj = Tbiv | 10.66 kW | 11.02 kW |
| COP Tj = Tbiv | 3.08 | 1.95 |

| | | |
|---|-------------|-------------|
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 10.16 kW | 9.89 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.77 | 1.54 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 1.000 | 1.000 |
| WTOL | 60 °C | 60 °C |
| Poff | 6 W | 6 W |
| PTO | 6 W | 6 W |
| PSB | 6 W | 6 W |
| PCK | 35 W | 35 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 1.89 kW | 2.58 kW |
| Annual energy consumption Qhe | 5470 kWh | 7807 kWh |

Model ALSAVO HEAT 16i

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|-------------------------------------|-----------------------|
| Model name | ALSAVO HEAT 16i |
| 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 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level outdoor | 69 dB(A) | 69 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|-----------------|-----------------|--------------------|
| η_s | 179 % | 129 % |
| Prated | 12.05 kW | 12.47 kW |
| SCOP | 4.55 | 3.30 |
| Tbiv | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 10.66 kW | 11.02 kW |
| COP Tj = -7°C | 3.08 | 1.95 |
| Cdh Tj = -7 °C | 1.000 | 1.000 |
| Pdh Tj = +2°C | 6.41 kW | 6.73 kW |
| COP Tj = +2°C | 4.53 | 3.34 |
| Cdh Tj = +2 °C | 1.000 | 1.000 |
| Pdh Tj = +7°C | 4.34 kW | 4.48 kW |
| COP Tj = +7°C | 5.56 | 4.06 |
| Cdh Tj = +7 °C | 0.990 | 0.990 |
| Pdh Tj = 12°C | 4.31 kW | 4.28 kW |
| COP Tj = 12°C | 7.86 | 6.07 |
| Cdh Tj = +12 °C | 0.990 | 0.990 |
| Pdh Tj = Tbiv | 10.66 kW | 11.02 kW |
| COP Tj = Tbiv | 3.08 | 1.95 |

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| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 10.16 kW | 9.89 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.77 | 1.54 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 1.000 | 1.000 |
| WTOL | 60 °C | 60 °C |
| Poff | 6 W | 6 W |
| PTO | 6 W | 6 W |
| PSB | 6 W | 6 W |
| PCK | 35 W | 35 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 1.89 kW | 2.58 kW |
| Annual energy consumption Qhe | 5470 kWh | 7807 kWh |