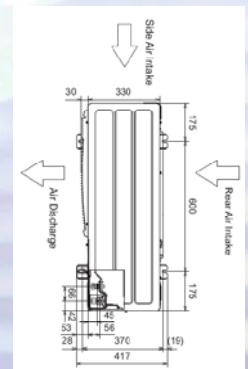
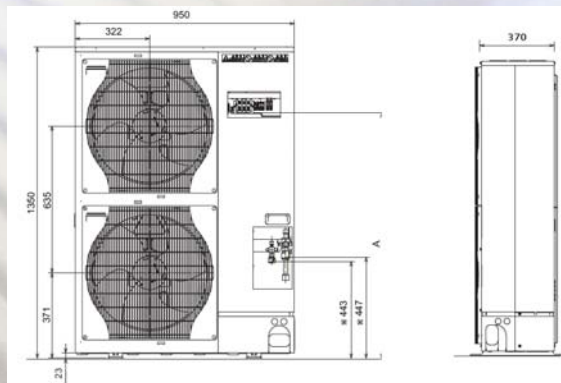
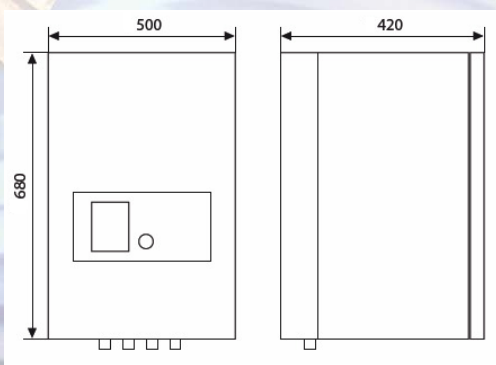


ThermiAir Air to Water Heat Pump Modulating 5-16kW



- 5–16 kW Modulating Air –Water Heat Pump.
- Two versions available. Bivalent and Mono energetic.
- Bivalent option ensures optimum operation of the heat pump in combination with a second heat source.
- Mono energetic option ensures complete heat generation via the integral immersion element.
- Split system design.
- External evaporator unit housing the compressor,
- Internal wall hung hydraulic unit housing the system controller, plate heat exchanger and system circulating pump.
- Up to 30 meters of refrigerant pipework , allowing for flexible sitting of each unit.
- Supply temperature up to 60C due to use of R410A as the systems refrigerant.
- Full automatic controls providing optimum heating and hot water generating efficiency.
- Extensive control options available allowing for the control of multiple heating zones.
- Runs extremely quietly, making it suitable for use in areas where noise levels are restricted.
- Easy-to-operate, built-in comfort control complete with weather compensation, room and outside air sensor options for optimized efficiency.
- Integrated diagnostics system.
- Three phase compressor.



MHG Heating Ltd Unit 4 Epsom Downs Metro Centre, Waterfield, Tadworth, Surrey. KT20 5LR
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ThermiAir Air to Water Heat Pump Modulating 5-16kW

| Technical Data | | Units | ThermiAir 16 BV | ThermiAir 16 ME |
|--------------------------------|--------|-------|------------------|------------------|
| Heating Output | | kW | 5-16 | 5-16 |
| COP (A7/W35) | | | 3.6 | 3.6 |
| Flow Rate | | Kg/s | 0.38 | 0.38 |
| Residual Head of Internal Pump | | KPa | 4 | 4 |
| External Unit | | | | |
| External Unit Dimensions | | | | |
| W x D x H | ~ | mm | 950 x 370 x 1350 | 950 x 370 x 1350 |
| Weight | ~ | Kg | 130 | 130 |
| Noise @ 5m | ~ | dB(A) | 52 | 52 |
| Air Flow | | CMM | 100 | 100 |
| | | CFM | 3530 | 3530 |
| Refrigerant Connections | Gas | mm | 16 | 16 |
| | Liquid | mm | 10 | 10 |
| Maximum Length (Joint) | | m | 30 | 30 |
| Power Supply | | | | |
| Phase | | P | 3 | 3 |
| Voltage | | V | 400 | 400 |
| Max Amperage | | A | 15 | 15 |
| Internal Unit | | | | |
| Internal Unit Dimensions | | | | |
| W x D x H | | mm | 500 x 420 x 680 | 500 x 420 x 680 |
| Weight | | Kg | 30 | 30 |
| Internal Immersion Element | | kW | | 3 |
| Hydraulic Connections | | mm | 22 | 22 |
| Refrigerant Connections | Gas | mm | 16 | 16 |
| | Liquid | mm | 10 | 10 |
| Power Supply | | | | |
| Phase | | P | 1 | 1 |
| Voltage | | V | 230 | 230 |
| Max Amperage | | A | 16 | 16 |
| Maximum Length (Joint) | | m | 30 | 30 |
| Refrigerant | ~ | | R410 A | R410 A |

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