

The Airbend® air conditioning system is designed as a split system. It consists of an Airbend® air conditioning cabinet and a Mitsubishi outdoor unit.

## Airbend AB1-E-14-32D

|                         |  |
|-------------------------|--|
| Dimensions WxHxD        | 1300 mm x 1900 mm x 650 mm   |
| Weight                  | 270 kg   |
| Performance Data        | Air capacity: 1.500 m³/h<br>Total pressure: ~ 200 – 500 Pa<br>Cooling capacity: 14 kW (at 27°C/80%r.H. and 16°C/100%r.H.)<br>Heating capacity: 6 kW<br>Max. dehumidification capacity: 12 l/h  |
| Electrical Data         | Nominal power: 7,5 kW<br>Recommended pre-fuse: 20 A  |
| Operation of the System | - Siemens SIMATIC HMI KP400 Comfort Panel touch display<br>- Key operation<br>- Main switch AUTO/ON/OFF<br>- Remote ON/OFF, operation and fault indication   |
| Built in Sensors        | - Filter pressure monitoring<br>- Airflow monitoring e-heating<br>- Leakage sensor<br>- Combination sensor temperature-humidity-CO <sub>2</sub> in supply air<br>- Combination sensor temperature-humidity-differential pressure (fan) in supply air |
| Air Filter              | - Coarse filter: Coarse 60% according to ISO 16890 (formerly G4)<br>- Fine filter: ePM1 55% according to ISO 16890 (formerly F7)   |
| Room Sensor             | Combination sensor temperature-humidity-CO <sub>2</sub>  |
| Airflow                 | Intake: free suction in the room or via duct connection on the rear side<br>Outlet: top side Ø 350 mm  |
| Extras                  | - Regulation of the CO <sub>2</sub> content inside the room<br>- UV-C to keep the heat exchanger clean<br>- Data logging   |
| Optional                | - Remote maintenance module<br>- External Airbend Control Panel<br>- UV-C for disinfection of the room air   |



## Mitsubishi Outdoor Unit Mr.Slim PUZ-ZM140 YKA R32

|                            |   |
|----------------------------|---|
| Dimensions WxHxD           | 1050 mm x 1338 mm x 370 mm  |
| Weight                     | 131 kg  |
| Electrical Data            | Recommended pre-fuse: 16 A<br>Nominal cooling capacity: 14 kW<br>Supply voltage: 400/3/50 V/Ph/Hz               |
| Refrigerant Filling Weight | R32<br>4,00 kg  |
| Sound Data                 | 50 dB<br>outdoor unit sound pressure level measured at a distance of 1.5 m in front of the unit in cooling mode |

## General

|                  |  |
|------------------|--|
| Pipe Connections | Liquid line: 12 mm<br>Gas line: 18 mm  |
| Piping           | - Max. piping length between indoor and outdoor unit: 100 m<br>- Pre-filled for 25 to 30 m ( 1 x way )<br>- Height difference indoor to outdoor unit: 30 m |



Our air conditioners contain the fluorinated greenhouse gas R32. For more information, please refer to the corresponding instruction manual.

**Made in Germany**