

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-28-32D

Dimensions WxHxD	1600 mm x 1900 mm x 800 mm
Weight	330 kg
Performance Data	Air capacity: 3.000 m³/h Total pressure: ~ 200 – 500 Pa Cooling capacity: 28 kW (at 27°C/80%r.H. and 16°C/100%r.H.) Heating capacity: 15 kW Max. dehumidification capacity: 24 l/h
Electrical Data	Nominal power: 17,5 kW Recommended pre-fuse: 32 A
Operation of the System	- Siemens SIMATIC HMI KP400 Comfort Panel touch display - Key operation - Main switch AUTO/ON/OFF - Remote ON/OFF, operation and fault indication
Built in Sensors	- Filter pressure monitoring - Airflow monitoring e-heating - Leakage sensor - Combination sensor temperature-humidity-CO ₂ in supply air - Combination sensor temperature-humidity-differential pressure (fan) in supply air
Air Filter	- Coarse filter: Coarse 60% according to ISO 16890 (formerly G4) - Fine filter: ePM1 55% according to ISO 16890 (formerly F7)
Room Sensor	Combination sensor temperature-humidity-CO ₂
Airflow	Intake: free suction in the room or via duct connection on the rear side Outlet: top side Ø 500 mm
Extras	- Regulation of the CO ₂ content inside the room - UV-C to keep the heat exchanger clean - Data logging
Optional	- Remote maintenance module - External Airbend Control Panel - UV-C for disinfection of the room air



Mitsubishi Outdoor Unit Mr.Slim PUZ-ZM250 YKA R32

Dimensions WxHxD	1050 mm x 1338 mm x 370 mm
Weight	138 kg
Electrical Data	Recommended pre-fuse: 32 A Nominal cooling capacity: 28 kW Supply voltage: 400/3/50 V/Ph/Hz
Refrigerant Filling Weight	R32 6,80 kg
Sound Data	50 dB 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 Gas line: 22 mm
Piping	- Max. piping length between indoor and outdoor unit: 100 m - Pre-filled for 25 to 30 m (1 x way) - 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