



Characteristics

WINDBOX BB is a commercial-sized air curtain that delivers industrial-level performance. Featuring a timeless design, it offers exceptional versatility with multiple technical configurations, installation options, and customization possibilities. Equipped with the latest-generation EC fans, it incorporates the newest innovations for high efficiency and reliable operation.

Its energy saving heat pump compatible version achieves a reduction of up to 70% in consumption and CO2 emissions (in heating mode).

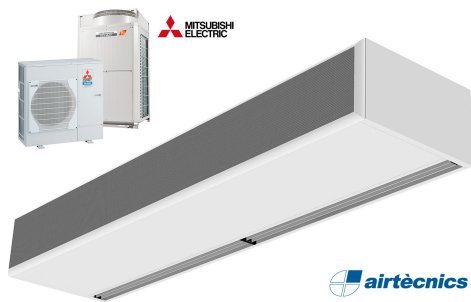
Advanced Plug&Play control. Includes: Advanced PRO control with LCD display and integrated thermostat, door contact, 7m RJ11 cable and remote control.

DX 1:1

Requires MITSUBISHI ELECTRIC DX Interface KIT adapted for air curtain and programmable control. Prepared for connection to MITSUBISHI ELECTRIC heat pump (R32/R410A) and expansion valve (not included), to be purchased by the customer. On request, the air curtain can be modified to work in cooling and heating (not recommended) with optional condensate water pump.

DX VRF

Requires MITSUBISHI ELECTRIC VRF Interface KIT adapted for air curtain with expansion valve and programmable control. Prepared for connection to MITSUBISHI ELECTRIC VRF (R410A) outdoor heat pump unit (not included), to be purchased by the customer. On request, the air curtain can be modified to work in cooling and heating (not recommended) with optional condensate water pump.



- Energy saving heat pump air curtain: Up to 70% reduction in costs and CO2 emissions (heating mode).
- Self-supporting casing construction made of galvanized steel plate, finished in structural epoxy-polyester painting white colour RAL9016 as standard. Other colours or stainless steel are available on request.
- Micro-perforated inlet grille with filter functions and easy service. Internal prefilter included.
- Anodized aluminium outlet vanes, airfoil shaped, adjustable from 0 to 15° each side.
- EC Double-inlet centrifugal fans driven by an external rotor motor and low noise level, with very low consumption efficiency fans.
- Includes only heating direct expansion coil with installed temperature sensors. Under request it can be modified to work in cooling and heating mode (not recommended) with optional condensate water pump.
- Advanced Plug&Play control. Includes: Advanced PRO control with LCD display and integrated thermostat, door contact, 10m RJ11 cable and remote control.
- DX 1:1:
Optional: Advanced Clever Control (programmable, automatic, intelligent, energy savings, Modbus RTU for BMS...) with special program to work in cooling mode which avoids water condensation. It regulates cooling power to maintain air speed and get the environments separation.
Ready to connect to MITSUBISHI ELECTRIC Power Inverter outdoor heat pump unit (R410A/R32) with expansion valve, not included, the customer should purchase it.
Requires MITSUBISHI ELECTRIC DX Interface KIT with programmable control adapted for air curtain, please consult.
- DX VRF:
Ready to connect to MITSUBISHI ELECTRIC VRF outdoor heat pump unit (R410A), not included, the customer should purchase it.
Requires MITSUBISHI ELECTRIC VRF Interface KIT adapted for air curtain with expansion valve and programmable control, please consult.

Specifications

50Hz

Heat Pump - DX 1:1				
Model	Nominal Airflow (m³/h)	Outdoor Unit 230Vx1	Outdoor Unit 400Vx3	Recommended Installation Range (m)



BB 1000 DX16-ME	3510	PUZ-ZM140VKA	PUZ-ZM140YKA	4-7
BB 1500 DX24-ME	4680	-	PUZ-ZM250YKA	4-7
BB 2000 DX35-ME	7020	-	2x PUZ-ZM125YKA + PUZ-ZM200YKA	4-7
BB 2500 DX43-ME	8190	-	2x PUZ-ZM200YKA + PUZ-ZM200YKA	4-7
BB 3000 DX47-ME	9360	-	2x PUZ-ZM200YKA + PUZ-ZM250YKA	4-7

Heat Pump - VRF				
Model	Nominal Airflow (m³/h)	Recommended Installation Range (m)		
BB 1000 VRF17-ME	3510	4-7		
BB 1500 VRF24-ME	4680	4-7		
BB 2000 VRF30-ME	7020	4-7		
BB 2500 VRF43-ME	8190	4-7		
BB 3000 VRF47-ME	9360	4-7		

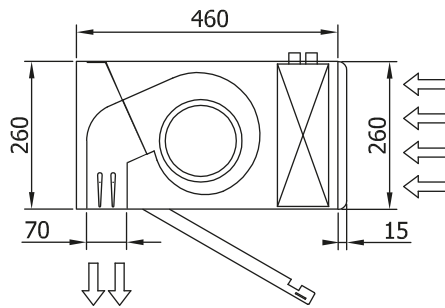
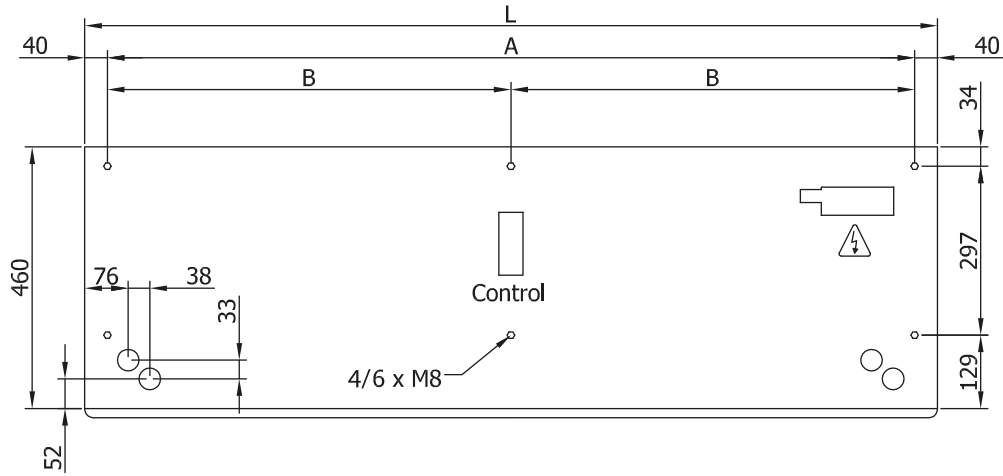
60Hz

Heat Pump - DX 1:1				
Model	Nominal Airflow (m³/h)	Outdoor Unit 230Vx1	Outdoor Unit 400Vx3	Recommended Installation Range (m)
BB 1000 DX16-ME	3510	PUZ-ZM140VKA	PUZ-ZM140YKA	4-7
BB 1500 DX24-ME	4680	-	PUZ-ZM250YKA	4-7
BB 2000 DX35-ME	7020	-	2x PUZ-ZM125YKA + PUZ-ZM200YKA	4-7
BB 2500 DX43-ME	8190	-	2x PUZ-ZM200YKA + PUZ-ZM200YKA	4-7
BB 3000 DX47-ME	9360	-	2x PUZ-ZM200YKA + PUZ-ZM250YKA	4-7

Heat Pump - VRF				
Model	Nominal Airflow (m³/h)	Recommended Installation Range (m)		
BB 1000 VRF17-ME	3510	4-7		
BB 1500 VRF24-ME	4680	4-7		
BB 2000 VRF30-ME	7020	4-7		
BB 2500 VRF43-ME	8190	4-7		
BB 3000 VRF47-ME	9360	4-7		



Dimensions



L	A	B
1000	920	-
1500	1420	710
2000	1920	960
2500	2420	1210
3000	2920	1460