



Technical Features



Range
Up to 4,2 m



Heating types
**Heat pump
R32**



Casing
**Galvanised Steel
Self-Supporting**



Airflow / Length
**1640 - 5840 m³/h
1m to 3m**



Heating capacity
8 - 27 kW



Grille type
**Micro-perforated with
pre-filter included**



Fans
**EC Double Inlet
Centrifugal**



Control
**Plug&Play Advanced PRO
+ IR remote control
(Optional Clever PRO)**



Outlet vanes
**Airfoil type
Adjustable 0-15° each side**

RAL 9016
standard



Stainless
steel



Other colors
on request



WINDBOX air curtains range provide equipment suitable for all types of commercial entrances. A compact and robust galvanised steel air curtain from our standard range with a timeless design, ready for visible installation over the door and prepared for multiple false ceiling installation configurations. 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. Requires MITSUBISHI ELECTRIC DX Interface KIT adapted for air curtain and programmable control, please consult. 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.

Air curtain specifications

Model	Airflow m³/h	Fans power 230V-50/60Hz kW	Fans current 230V-50/60Hz A	Outdoor unit (*) 230Vx1	Outdoor unit (*) 400Vx3	Gas-Liquid pipe connections inch	Noise level (5 m) dB(A)	Weight kg
ECM 1000 DX8-ME	1640	0,142	1,24	PUZ-ZM71VHA	-	5/8" - 3/8"	56	35
ECM 1500 DX11-ME	2460	0,213	1,86	PUZ-ZM100VKA	PUZ-ZM100YKA	5/8" - 3/8"	57	53
ECM 1500 DX13-ME	2460	0,213	1,86	PUZ-ZM125VKA	PUZ-ZM125YKA	5/8" - 3/8"	57	53
ECM 2000 DX16-ME	3280	0,284	2,48	PUZ-ZM140VKA	PUZ-ZM140YKA	5/8" - 3/8"	58	69
ECM 2500 DX22-ME	4100	0,355	3,10	-	PUZ-ZM200YKA	1" - 3/8"	59	86
ECM 2500 DX24-ME	4100	0,355	3,10	-	PUZ-ZM250YKA	1" - 1/2"	59	86
ECM 3000 DX26-ME	4920	0,426	3,72	-	PUZ-ZM250YKA	1" - 1/2"	60	103
ECG 1000 DX10-ME	2190	0,213	1,86	PUZ-ZM100VKA	PUZ-ZM100YKA	5/8" - 3/8"	61	50
ECG 1500 DX14-ME	2920	0,284	2,48	PUZ-ZM125VKA	PUZ-ZM125YKA	5/8" - 3/8"	62	59
ECG 2000 DX22-ME	4380	0,426	3,72	-	PUZ-ZM200YKA	1" - 3/8"	63	92
ECG 2000 DX24-ME	4380	0,426	3,72	-	PUZ-ZM250YKA	1" - 1/2"	63	92
ECG 2500 DX27-ME	5110	0,497	4,34	-	PUZ-ZM250YKA	1" - 1/2"	64	96
ECG 3000 DX27-ME	5840	0,568	5,96	-	PUZ-ZM250YKA	1" - 1/2"	65	109

(*) Includes direct expansion valve. PUZ-ZM units with gas R32.

Also compatible with PUZ-M (R32) and PUHZ-ZRP, PUHZ-P, PUHZ-SHW (R410).

Outdoor unit specifications

Inverter model Outdoor Unit R32	Heating capacity kW	COP or SCOP	Cooling capacity kW	EER or SEER	Voltage	Gas-liquid pipes inch	Minimum pipe length m	Maximum pipe length m	Maximum pipe height m
PUZ-ZM71VHA	8	4,30	7,1	4,39	230Vx1	5/8" - 3/8"	-	50	30
PUZ-ZM100VKA	11,2	4,53	10	4,68	230Vx1	5/8" - 3/8"	-	100	30
PUZ-ZM100YKA	11,2	4,53	10	4,68	400Vx3	5/8" - 3/8"	-	100	30
PUZ-ZM125VKA	14	3,86	12,5	3,95	230Vx1	5/8" - 3/8"	-	100	30
PUZ-ZM125YKA	14	3,86	12,5	3,95	400Vx3	5/8" - 3/8"	-	100	30
PUZ-ZM140VKA	16	3,76	14	3,71	230Vx1	5/8" - 3/8"	-	100	30
PUZ-ZM140YKA	16	3,76	14	3,71	400Vx3	5/8" - 3/8"	-	100	30
PUZ-ZM200YKA	22,4	3,77	20	3,65	400Vx3	1" - 3/8"	-	70	30
PUZ-ZM250YKA	27	3,47	25	3,22	400Vx3	1" - 1/2"	-	70	30

When adverse weather conditions, the outdoor unit capacity can decrease. It is recommendable to oversize the units.



Technical Features



Range
Up to 4,2 m

Heating types
**Heat pump
R410a**

Casing
**Galvanised Steel
Self-Supporting**

Airflow / Length
**2190 - 5840 m³/h
1m to 3m**

Heating capacity
10 - 29 kW

Grille type
**Micro-perforated with
pre-filter included**

Fans
**EC Double Inlet
Centrifugal**

Control
**Plug&Play Advanced PRO
+ IR remote control
(Optional Clever Pro)**

Outlet vanes
**Airfoil type
Adjustable 0-15° each side**

WINDBOX air curtains range provide equipment suitable for all types of commercial entrances. A compact and robust galvanised steel air curtain from our standard range with a timeless design, ready for visible installation over the door and prepared for multiple false ceiling installation configurations. 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. Requires MITSUBISHI ELECTRIC VRF Interface KIT adapted for air curtain with expansion valve and programmable control, please consult. 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.

Air curtain specifications

Model	Airflow m³/h	Fans power 230V-50/60Hz kW	Fans current 230V-50/60Hz A	KIT VRF -	Gas-Liquid pipe connections inch	Noise level (5 m) dB(A)	Weight kg
ECM 1500 VRF12-ME	2460	0,213	1,86	PAC-AH125M-J	5/8" - 3/8"	57	53
ECM 2000 VRF16-ME	3280	0,284	2,48	PAC-AH125M-J	5/8" - 3/8"	58	69
ECM 2000 VRF19-ME	3280	0,284	2,48	PAC-AH250M-J	1" - 3/8"	58	69
ECM 2500 VRF21-ME	4100	0,355	3,10	PAC-AH250M-J	1" - 3/8"	59	86
ECM 2500 VRF24-ME	4100	0,355	3,10	PAC-AH250M-J	1" - 1/2"	59	86
ECM 3000 VRF26-ME	4920	0,426	3,72	PAC-AH250M-J	1" - 1/2"	60	103
ECM 3000 VRF30-ME	4920	0,426	3,72	PAC-AH250M-J	1" - 1/2"	60	103
ECG 1000 VRF10-ME	2190	0,213	1,86	PAC-AH125M-J	5/8" - 3/8"	61	50
ECG 1500 VRF13-ME	2920	0,284	2,48	PAC-AH125M-J	5/8" - 3/8"	62	59
ECG 1500 VRF15-ME	2920	0,284	2,48	PAC-AH125M-J	5/8" - 3/8"	62	59
ECG 2000 VRF20-ME	4380	0,426	3,72	PAC-AH250M-J	1" - 3/8"	63	92
ECG 2000 VRF24-ME	4380	0,426	3,72	PAC-AH250M-J	1" - 1/2"	63	92
ECG 2500 VRF25-ME	5110	0,497	4,34	PAC-AH250M-J	1" - 1/2"	64	96
ECG 2500 VRF29-ME	5110	0,497	4,34	PAC-AH250M-J	1" - 1/2"	64	96
ECG 3000 VRF29-ME	5840	0,568	4,96	PAC-AH250M-J	1" - 1/2"	65	109

VRF-compatible models are as follows:

- City Multi - Y Series (Heat Pump)
- City Multi - R2 Series (Heat Recovery)

When adverse weather conditions, the outdoor unit capacity can decrease. It is recommendable to oversize the units.

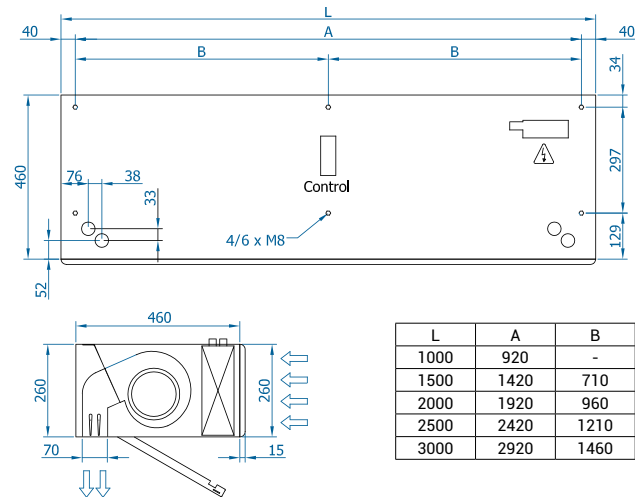


Selection program

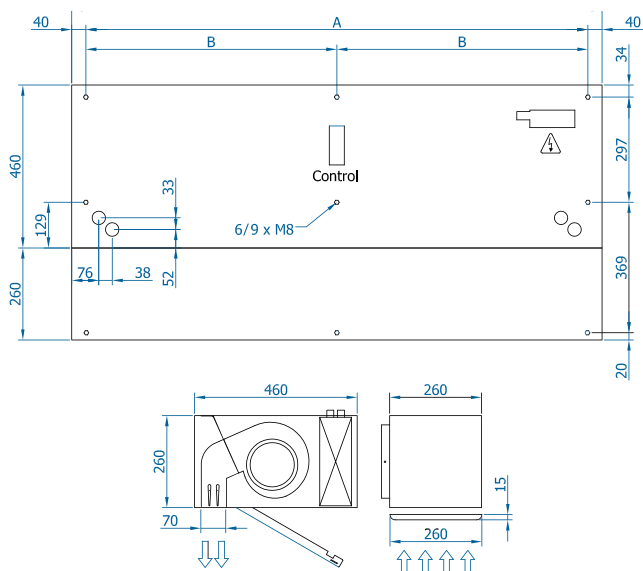


Dimensions

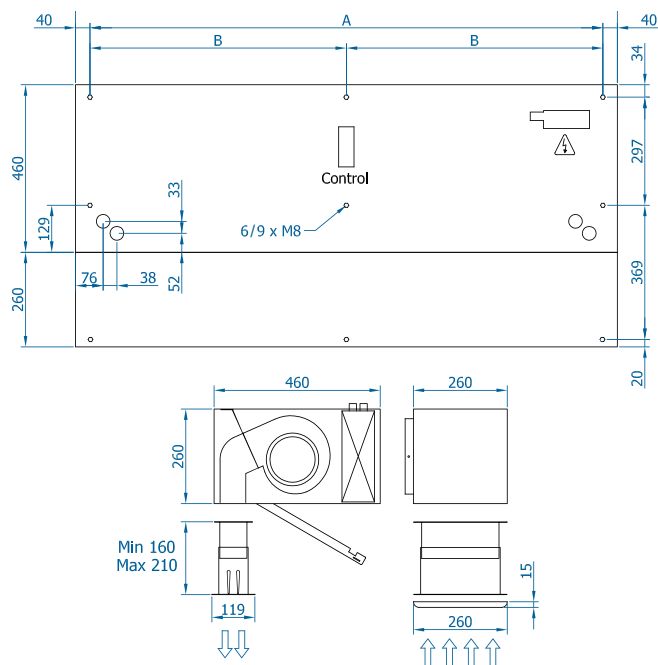
Horizontal free hanging Installation



Inside ceiling surface mounting



False ceiling invisible mounting

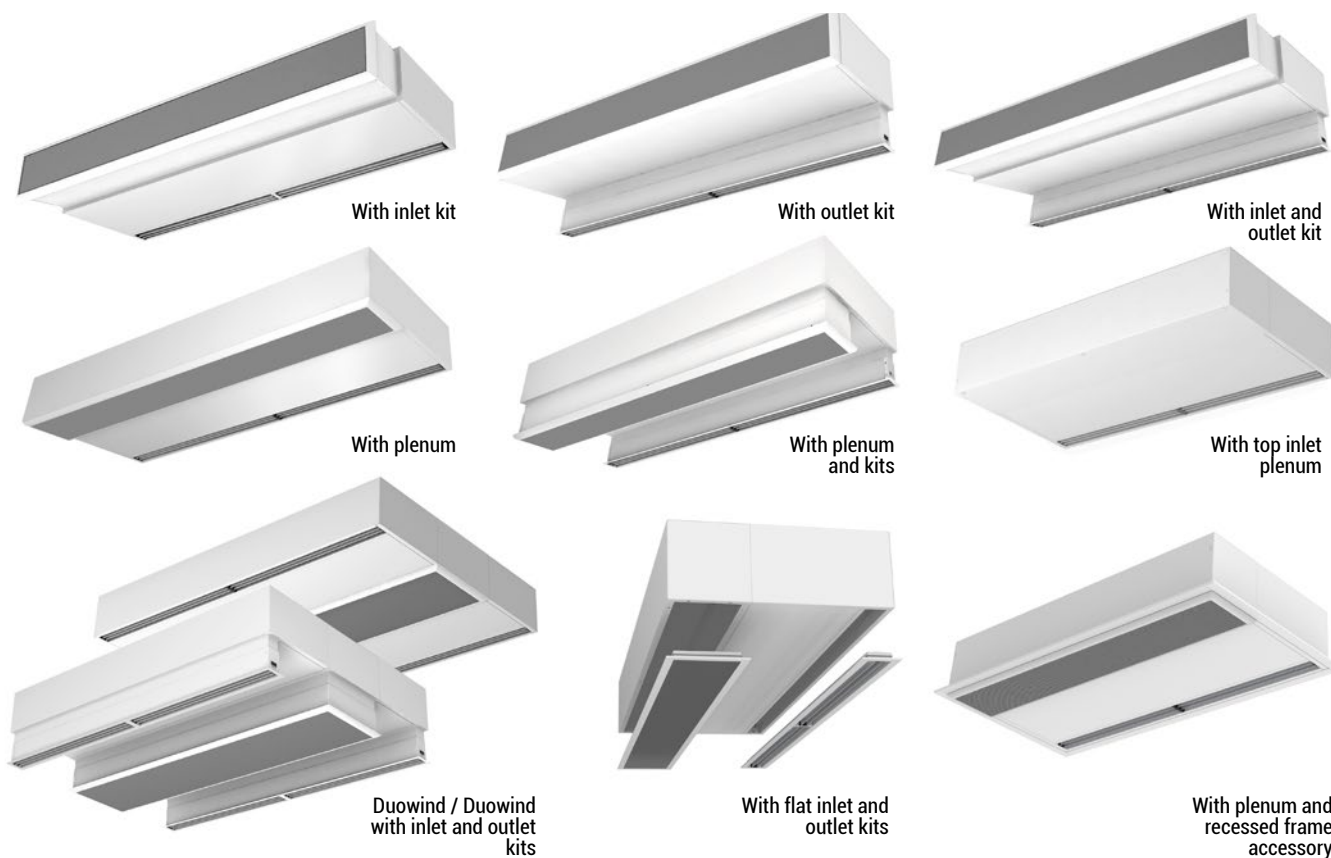


CAD drawings, BIM files, installation manuals and other documents





Installation configurations



Accessories

Supports



Wall rail support
SPWR



Silentblock supports
SPANG-SIL / SLB



Gripple hanger
SPCT

Control



ADVANCED PRO
✓ Included



IR Control
✓ Included



RJ11 Cable
✓ Included



CLEVER PRO

Sensors



Magnetic door contact
DC
✓ Included



Mechanical door contact
DC