

NEW AIR CURTAIN WITH HEX



Air curtain with HEX

High efficiency Air curtain connected to your VRF installation. EC Fan motor for a smooth operation and efficient performance.

Panasonic



The Panasonic range of air curtains is designed for smooth operation and efficient performance.

Air curtains produce a continuous stream of air blown from the top to the bottom of an open doorway and create a barrier that people and products can flow across, but air can't. Designed to improve energy efficiency, minimise heat loss from a building, and to allow retailers to keep doors open to encourage customers, our Air Curtains are suitable for connection to both VRF and PACi Systems.

- Super-efficient with new EC fan motor (40% lower running costs compared to a standard AC fan motor)
- Easy Cleaning and Servicing
- Can be connected to either Panasonic VRF or PACi systems
- Built-in drain for cooling operation
- Standard and Jet Flow air curtains can be controlled via Panasonic's range of remote internet controls

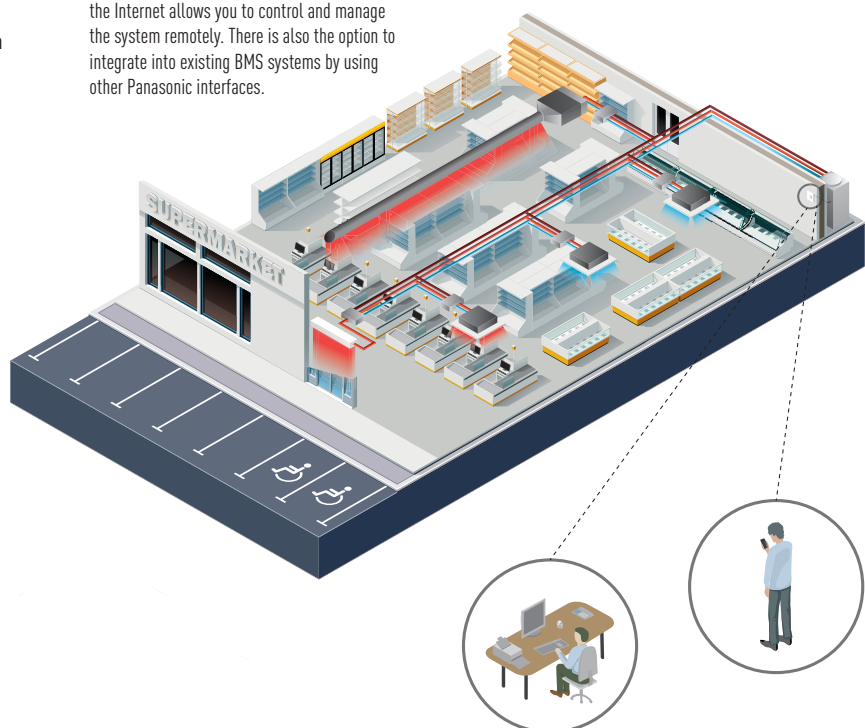
The new standard and jet-flow models are ideal for connection to a PACi or ECOi system. With simple 'plug and play' installation, both are fitted with an EC fan motor for a smooth operation and efficient performance. This new fan guarantees 40% lower running cost than with a standard AC fan motor. With air curtains often running for 12 hours a day as a minimum, this can lead to considerable savings.

Intelligent Operation

Our air curtains combine air flow and heating / cooling technology to ensure optimum comfort and energy efficiency whilst also creating an effective barrier between indoor and outdoor environments. Design and installation is key to achieving the correct height / temperature settings to achieve optimum performance. Our air curtains are designed to answer the demands of the retail, commercial and industrial markets.

Internet Control

An app added to your tablet or smartphone or via the Internet allows you to control and manage the system remotely. There is also the option to integrate into existing BMS systems by using other Panasonic interfaces.



AIR CURTAIN WITH HEX JET FLOW AND STANDARD FLOW

PAW-10EAIRC-MJ // PAW-15EAIRC-MJ // PAW-20EAIRC-MJ //
PAW-25EAIRC-MJ // PAW-10EAIRC-MS // PAW-20EAIRC-MS

High efficiency Air curtain connected to your VRF installation. EC Fan motor for a smooth operation and efficient performance. 2 types of Air flow available: Jet-Flow and Standard. 2015 Fan Standard available today. Easy Cleaning and Servicing.

Comfort

- Easy redirection of Air-Flow by means of manual deflector (Jet-Flow)

Ease of use

- Speed selector (high and low) on the unit itself

Easy installation and maintenance

- Easy installation
- Compact dimensions improve installation and positioning (Jet-Flow)
- Easy cleaning of grid without opening of the unit

Technical focus

- Save up to 40% Energy Costs by use of the integrated EC Fan Technology (Higher efficiency than conventional AC fan, softstart and longer motor duration)
- 3 Lengths of Air Curtains Jet-Flow, from 1.0 to 2.0 m and 2 lengths of Air Curtains Standard, 1.0 and 2.0 m
- Installation Height up to 3,5 m (Jet-Flow) and 3,0 m (Standard)
- Outlet Grilles can be adjusted in five positions, to suite different Indoor and installation requirements (Jet-Flow)
- Control with Panasonic Remote Control systems (optional)
- Direct integration to BMS by optional Panasonic Interfaces
- Drain included for cooling operation

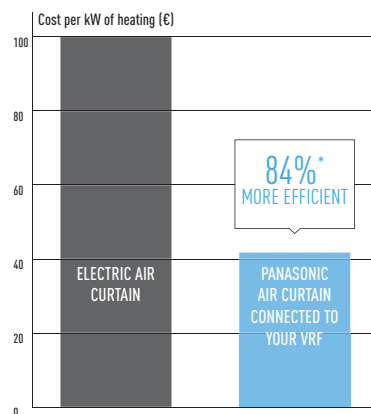
How it works?

Intake of recirculation air from the room, ejected near the door. The created roll of air shields the door area and possibly mixes up with penetrating cold air. It turns away from the door, into the room and back to the intake screen, where it is partly drawn in again.



Highly efficient heating effect

The combined air stream, which has a desirable low air current induction factor (mixing factor), can carry the selected initial temperature effect over long distances, and will reach the floor area while still at room



temperature. This is necessary to avoid cooling down the interior spaces. Available in different lengths to suit requirements between 1 and 2,5m, both air curtains have outlet grilles that can be adjusted to five different positions. The jet flow model can be installed up to a height of 3,5m with the standard model up to 3,0m. The outlet grilles can be easily adjusted into five positions to suit different installations requirements and the air filter can be accessed without the need for specialist tools.

* With the U-100PE1E5 on the PAW-20PAIRC-MS.

HP	4		8		10		14		4		10	
Air Curtain	PAW-10EAIRC-MJ		PAW-15EAIRC-MJ		PAW-20EAIRC-MJ		PAW-25EAIRC-MJ		PAW-10EAIRC-MS		PAW-20EAIRC-MS	
Air flow type	Jet-flow								Standard			
Air Flow Length (A)	m		1,0		1,5		2,0		2,5		1,0	
Air volume	High / Med / Low	m ³ /h	1.800 / 1.500 / 1.200		2.700 / 2.300 / 1.900		3.600 / 3.000 / 2.500		4.500 / 3.800 / 3.100		1.800 / 1.500 / 1.200	
Cooling capacity nominal ²	kW		9,2		17,5		23,1		24,4		9,2	
Heating capacity nominal	kW		11,4		25,0		31,5		31,5		11,4	
Max installation height	Good condition	m	3,5		3,5		3,5		3,5		3	
	Normal condition	m	3,1		3,1		3,1		3,1		2,7	
	Bad condition	m	2,7		2,7		2,7		2,7		2,4	
Fan	230V / 50Hz / 1 / N / PE		230V / 50Hz / 1 / N / PE		230V / 50Hz / 1 / N / PE		230V / 50Hz / 1 / N / PE		230V / 50Hz / 1 / N / PE		230V / 50Hz / 1 / N / PE	
Fan type	EC		EC		EC		EC		EC		EC	
Currency	High / Med / Low	A	2,1 / 0,8 / 0,3		2,8 / 1,1 / 0,4		4,2 / 1,6 / 0,6		4,9 / 1,9 / 0,7		2,1 / 0,8 / 0,3	
Electrical Consumption	High / Med / Low	kW	0,44 / 0,17 / 0,06		0,59 / 0,23 / 0,08		0,89 / 0,34 / 0,12		1,03 / 0,4 / 0,14		0,44 / 0,17 / 0,06	
Dimensions	W x H x D	mm	1.210 x 260 x 590		1.710 x 260 x 590		2.210 x 260 x 590		2.710 x 260 x 590		1.210 x 260 x 490	
Weight	kg		70		100		138		160		60	
Mini ECOi with air out 40°C	U-4LE1E5/8 ¹		U-6LE1E5/8 ¹		—		—		U-4LE1E5/8 ¹		U-6LE1E5/8 ¹	
Mini ECOi with air out 35°C	U-4LE1E5/8 ¹		U-4LE1E5/8 ¹		U-6LE1E5/8 ¹		—		U-4LE1E5/8 ¹		U-4LE1E5/8 ¹	
Mini ECOi with air out 30°C	U-4LE1E5/8 ¹		U-4LE1E5/8 ¹		U-4LE1E5/8 ¹		U-5LE1E5/8 ¹		U-4LE1E5/8 ¹		U-4LE1E5/8 ¹	
ECOi with air out 40°C	All models		All models		All models		All models without 8HP		All models		All models	
ECOi with air out 30°C or 35°C	All models		All models		All models		All models		All models		All models	
GHP all temperatures	All models		All models		All models		All models		All models		All models	

1) or bigger size.

All combinations under rated conditions: Heating Outdoor +7°C DB/+6°C WB Indoor +20°C DB. In case of lower outdoor temperatures a higher capacity outdoor unit model may be necessary.

2) Rated Conditions Cooling Outdoor +35°C DB Indoor +27°C DB/+19°C WB, Discharge temperature ³ 16°C.



The communication port is integrated into the indoor unit and provides easy connection to, and control of, your Panasonic heat pump to your home or building management system.



To find out how Panasonic cares for you, log on to: www.aircon.panasonic.eu

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heatingandcoolingsystems