Panasonic
BUSINESS

NEW MINI VRF 8-10HP SYSTEM

ECOi

NEW
8-10HP
MODELS

The New Mini VRF compact system is the ideal solution for minimum outdoor space

Panasonic extends the Mini VRF range to 8 and 10HP units

- Improved piping range up to 150m
- High efficiency
- Can connect up to 15 indoor units
- Quiet operation mode (one of the quietest in the market)
- High ambient temperature performance
- High static pressure of 35Pa
- Compatible with all ECOi controls

INVERTER+
The Inverter system provides a more precise temperature control with lower energy consumption.

BLUEFIN
Panasonic has extended the life of its condensers with an original anti-rust coating.

-10°C
COOLING MODE
The air conditioner works in cooling only mode with an outdoor temperature of -10°C.

-20°C
HEATING MODE
The air conditioner works in heat pump mode with an outdoor temperature as low as -20°C.

PROFESSIONAL
AC SMART CLOUD
In a simple click, all your units from several locations can receive status updates in real-time, preventing breakdowns and optimizing costs.

INTERNET CONTROL
Control your air conditioning from wherever you are. using a smartphone, tablet or PC via the internet.

BMS
CONNECTIVITY
Integrated port into the indoor unit. Easy connection and control to your home management system.

5 YEARS COMPRESSOR WARRANTY
5 Years Warranty. We guarantee the compressors in the entire range for five years.*

*Subject to conditions.

Prepare to be blown away by Panasonic's New Mini VRF system

Panasonic has unveiled its new, large capacity, Mini VRF side blow system. Available now from 4 to 10HP, this compact system is the ideal solution for applications where outdoor space is at a minimum, but where a quality and reliable heating and cooling solution is paramount.

Wide range of indoor units

Compatible with current VRF indoor units (except Hydrokit module, GHP chiller)

Heating and cooling solutions

Perfect solution for small shops, offices, large residential properties or condominiums where outdoor space is minimal, as well as larger, commercial applications including hotels or larger office buildings where the outdoor system should not intrude on the exterior décor.

Bluefin (only for 8-10HP)

Bluefin treatment protects the coil itself against corrosion, ensuring that the unit continues to function with the same outstanding thermal exchange efficiency and performance over time.

New Inverter compressor

Thanks to its top class COP, high heat exchange performance due to its wide heat exchanger and extensive Inverter compressor range, which provides a high efficiency operation by the load, it is also incredibly energy saving.

Key features

Top class COP
- High heat exchange performance with wide heat exchanger with 7 tubing and big 540mm fan
- Wide range Inverter compressor gives high efficiency operation by the load

Compact unit design
- Good size for balcony installations
- One of the smallest contributors to carbon emissions in the market
- Portable and easy to operate

Ranging from 4, 5, 6, 8 to 10 HP

Panasonic's new Mini VRF system combines a high performance to position itself as one of the most compact and powerful VRF systems available within the European market.

Compatible with all Panasonic connectivity solutions

HP			4 HP						5 HP						6 HP						8 HP			10 HP		
Model			U-4LE1E5			U-4LE1E8			U-5LE1E5			U-5LE1E8			U-6LE1E5			U-6LE1E8			U-8LE1E8			U-10LE1E8		
Power supply		V	220	230	240	380	400	415	220	230	240	380	400	415	220	230	240	380	400	415	380	400	415	380	400	415
			Single Phase / 50Hz			Three Phase / 50Hz			Single Phase / 50Hz			Three Phase / 50Hz			Single Phase / 50Hz			Three Phase / 50Hz			Three Phase / 50Hz			Three Phase / 50Hz		
Cooling capacity		kW	12,1			12,1			14,0			14,0			15,5			15,5			22,40			28,00		
EER [1]		W/W	4,30			4,30			4,20			4,20			3,45			3,45			3,80			3,11		
Running amperes		A	13,9	13,3	12,7	4,9	4,7	4,5	16,3	15,6	14,9	5,7	5,4	5,2	21,5	20,5	19,7	7,5	7,1	6,9	9,60	9,15	8,80	14,70	14,00	13,50
Power input cooling		kW	2,81			2,81			3,33			3,33			4,49			4,49			5,89			9,00		
Heating capacity		kW	12,5			12,5			16,0			16,0			18,0			18,0			25,00			28,00		
COP [1]		W/W	4,62			4,62			4,30			4,30			3,95			3,95			4,02			3,93		
Running amperes		A	13,2	12,7	12,1	4,7	4,5	4,3	18,0	17,2	16,5	6,3	6,0	5,8	21,6	20,7	19,8	7,5	7,2	6,9	10,20	9,65	9,30	11,60	11,10	10,70
Power input heating		kW	2,71			2,71			3,72			3,72			4,56			4,56			6,22			7,13		
Circuit breaker amperes		A	30			20			40			20			40			20			25			30		
Recommended fuse		A	25			35			35			20			20			20			25			30		
Starting amperes		A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			1		
Maximum amperes		A	21,0	21,0	21,0	8,5	8,5	8,5	24,5	24,5	24,5	10,0	10,0	10,0	28,0	28,0	28,0	12,0	12,0	12,0	13,70			19,60		
Maximum power input		kW	4,44	4,64	4,84	5,15	5,42	5,62	5,17	5,41	5,64	6,06	6,37	6,61	5,91	6,18	6,45	7,27	7,65	7,94	9,16			13,10		
Maximum number of connectable indoor units			6			6			8			8			9			9			15[2]			15[2]		
External static pressure		Pa																			0 ~ 35			0 ~ 35		
Air volume	Cooling / Heating	m³/min	95			95			104			104			104			104			150			160		
Sound pressure level	Cooling	dB(A)	50 / 47			50 / 47			51 / 48			51 / 48			52 / 49			52 / 49			60			63		
	Cooling (Silent 1 / 2 / 3)	dB(A)																			57 / 55 / 53			60 / 58 / 56		
	Heating	dB(A)	52 / 49			52 / 49			53 / 50			53 / 50			55 / 52			55 / 52			64			65		
Dimensions	H x W x D	mm	1.330 x 940 x 340																		1.500 x 980 x 370					
Net weight		kg	104			103			104			103			104			103			132			133		
Piping connections	Liquid pipe	Inch (mm)	3/8 (9,52)																							
	Gas pipe	Inch (mm)	5/8 (15,88)												3/4 (19,05)									7/8 (22,22)		
Max piping length range (Total)		m	7,5 ~ 120 (7,5 ~150)																		7,5 ~ 150 (7,5 ~ 300)					
Elevation difference (in/out)		m	50 (Outdoor unit upper) / 40 (Outdoor unit lower)																							
R410A Refrigerant amount (Max)		kg	3,5																		6,3 (24,0)			6,6 (24,0)		
Indoor/outdoor capacity ratio		%	50 ~ 130																							
Operating range	Cooling Min ~ Max DB	°C	-10 ~ +46																							
	Heating Min ~ Max WB	°C	-20 ~ +18																							

1) EER and COP classification is at 400 V in accordance with EU directive 2002/31/EC. 2) If the heating utilized, it is necessary to increase 1 size with respect to the main liquid pipe, depending on the combination of the indoor unit. 3) Under 90m for ultimate indoor unit. 4) Over 90m for ultimate indoor unit. If the longest piping equivalent length exceeds 90m, increase the sizes of the main tubes by 1 rank for gas and liquid pipes.

Panasonic®

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

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heating & cooling solutions