Jet Air Stream

Large spaces are often heated with boilers and unit heaters, which are inefficient, noisy, complex, and expensive fossil fuel systems that rarely offer summer cooling integration. The Jet Air Stream provides an efficient and sustainable solution for year-round heating and cooling in large spaces. It ensures optimal user comfort, a quiet environment, and is much easier to install than other systems.

Efficient heating and cooling.

Long air distribution.

Smart Jet - self-directing nozzles.

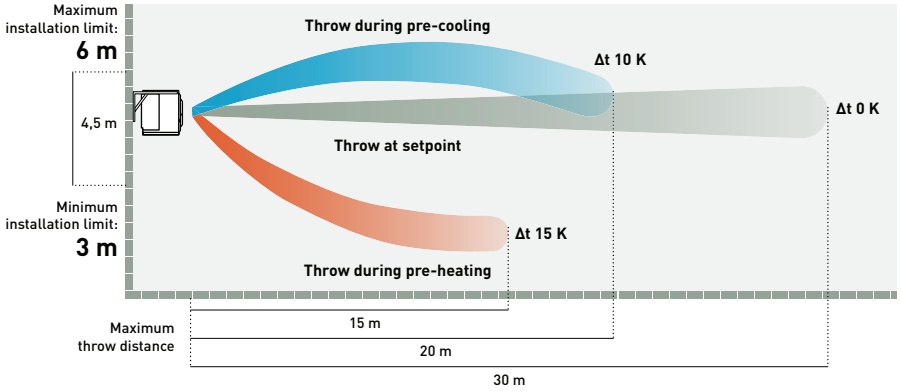
Quiet operation.

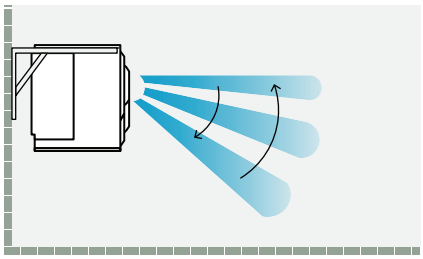
The Jet Air Stream for the large spaces that require high air distribution, such as gymnasiums, production areas and warehouses.

SEE PRODUCT SPECIFICATIONS

High air distribution for large spaces

High air volume with a long air flow distance of up to 30 m ensures optimal comfort for large spaces like warehouses and gyms.



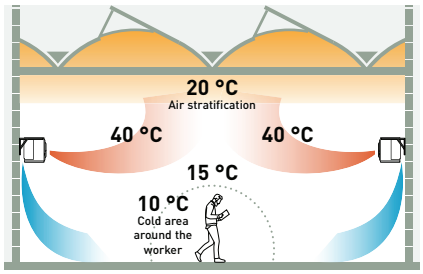


Smart Jet - self-directing nozzles

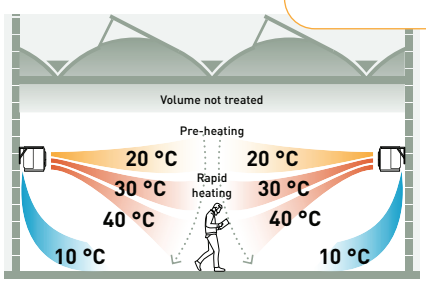
Jet Air Stream Smart models ensure optimal comfort by preventing heat loss. Nozzle movements adapt dynamically to incoming air temperature, preventing stratification and maintaining an ideal temperature exclusively in the occupied area.

Jet Air Stream operation

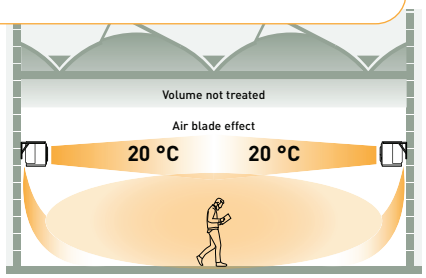
In cooling mode, the nozzle operation logic is inverted until the setpoint is reached



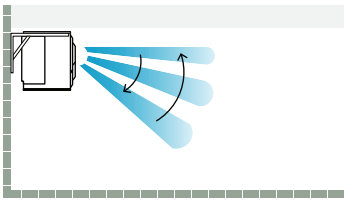
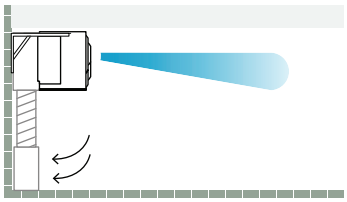
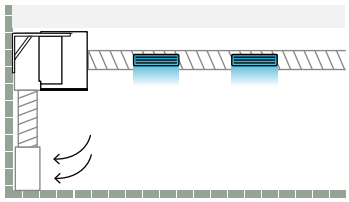
Existing solution in heating.
Air stratification occurs when warm air from the heating system rises to the top of the room, while cold air stays at the bottom. This is due to warm air being lighter and rising, and cooler air being denser and staying low.



Jet Air Stream operation in heating.
Pre-heating: Upon start-up, the Jet Air Stream Smart directs the nozzles horizontally, preventing not-yet-warm air from blowing on people.
Rapid heating: Once the air reaches the ideal temperature, power is maximised and the nozzles point downward, ensuring rapid heating of the occupied area.



Jet Air Stream operation in heating.
Maintenance with air blade effect: Jet Air Stream Smart adjusts power once the desired temperature is reached. This aligns nozzles horizontally, creating an 'air blade' as a thermal barrier to optimise heat distribution and prevent upward dispersion.

Type		Jet Air Stream Smart		Jet Air Stream Standard		Jet Air Stream Ducted	
Air flow	m³/h	2500 m³/h	5000 m³/h	2500 m³/h	5000 m³/h	2500 m³/h	5000 m³/h
Model		P-VTVF140MC5-PE	P-VTVF250MC5-PE	P-VTVF140NC5-PE	P-VTVF250NC5-PE	P-VTVF140PC5-PE	P-VTVF250PC5-PE
Image		Smart Jet - self-directing nozzles		Manual nozzles		Ducted front panel	
							
Compatible outdoor unit		U-140PZH4E5/8	U-250PZH4E8	U-140PZH4E5/8	U-250PZH4E8	U-140PZH4E5/8	U-250PZH4E8

PACi NX Jet Air Stream · R32

- Energy-saving solution for year-round heating and cooling in large and high spaces
- High air volume up to 5000 m³/h and long maximum air throw distance of 30 m
- Optimal comfort with Smart Jet - self-directing nozzles

Touch panel controller.
PCZ-AHRX0012

Air flow			**2500 m³/h**	**2500 m³/h**	**5000 m³/h**
Kit			**KIT-140MC5ZH5**	**KIT-140MC5ZH8**	**KIT-250MC5ZH8**
Remote controller			**PCZ-AHRX0012**	**PCZ-AHRX0012**	**PCZ-AHRX0012**
Cooling capacity	Nominal (Min - Max)	kW	14,1 (3,3 - 18,0)	14,1 (3,3 - 18,0)	24,2 (6,1 - 25,6)
EER [1]	Nominal (Min - Max)	W/W	3,46 (2,74 – 5,32)	3,46 (2,74 – 5,32)	3,80 (2,49 – 4,88)
$\eta_{s,c}$ [2]			**227%**	**227%**	**250%**
Pdesign		kW	—	—	—
Heating capacity	Nominal (Min - Max)	kW	14,0 (3,3 – 18,0)	14,0 (3,3 – 18,0)	26,7 (5,5 – 27,6)
COP [1]	Nominal (Min - Max)	W/W	3.88 (3,27 – 5,50)	3.88 (3,27 – 5,50)	3,74 (3,07 – 4,78)
$\eta_{s,h}$ [2]			**155%**	**155%**	**155%**
Pdesign at -10 °C		kW	11,0	11,0	18,5
			Jet Air Stream Smart	**Jet Air Stream Smart**	**Jet Air Stream Smart**
Indoor unit			**P-VTVF140MC5-PE**	**P-VTVF140MC5-PE**	**P-VTVF250MC5-PE**
Nozzles type			Smart Jet - self-directing nozzles	Smart Jet - self-directing nozzles	Smart Jet - self-directing nozzles
Number of nozzles			2	2	4
External static pressure		Pa	170	170	170
Air flow		m³/h	2560	2560	5010
Sound pressure [3]	Cool / Heat	dB(A)	42	42	46
Sound power [4]	Hi / Med / Lo	dB(A)	—	—	—
Dimension	H x W x D	mm	802 x 1105 x 893	802 x 1105 x 893	1026 x 1458 x 953
Net weight		kg	88	88	130
Outdoor unit			**U-140PZH4E5**	**U-140PZH4E8**	**U-250PZH4E8**
Power supply		V / ph / Hz	220 - 230 - 240 / 1 / 50	380 - 400 - 415 / 3 / 50	380 - 400 - 415 / 3 / 50
Recommended fuse		A	40	16	30
Sound pressure	Cool / Heat (Hi)	dB(A)	56 / 56	56 / 56	59 / 63
Dimension	H x W x D	mm	996 x 980 x 370	996 x 980 x 370	996 x 1140 x 460
Net weight		kg	86	84	109
Piping diameter	Liquid	Inch (mm)	3/8 (9,52)	3/8 (9,52)	1/2 (12,70)
	Gas	Inch (mm)	5/8 (15,88)	5/8 (15,88)	7/8 (22,22)
Pipe length range		m	5 ~ 100	5 ~ 100	5 ~ 100
Elevation difference (in / out)		m	15 / 30 [5]	15 / 30 [5]	30
Pre-charged pipe length		m	30	30	30
Additional gas amount		g/m	40	40	80
Refrigerant (R32) / CO_2 Eq.		kg / T	3,00 / 2,03	3,00 / 2,03	4,80 / 3,24
Operating range	Cool Min ~ Max	°C	-20 [6] ~ +52	-20 [6] ~ +52	-15 ~ +52
	Heat Min ~ Max	°C	-20 ~ +24	-20 ~ +24	-20 ~ +35

1) EER and COP calculation is based in accordance to EN 14511. 2) For models above 12 kW, the $\eta_{s,c}$ / $\eta_{s,h}$ values is calculated based on EN 14825. 3) Average sound pressure at 5 m Lp. 4) Radiated sound power at 5 m Lp. 5) Outdoor unit located lower / outdoor unit located higher. 6) Pipe length up to 30 m.

Optional configurations*		**Front panel type**	**Air flow (m³/h)**
P-VTVF140NC5-PE	Jet Air Stream Standard	Manual nozzles	2500
P-VTVF250NC5-PE	Jet Air Stream Standard	Manual nozzles	5000
P-VTVF140PC5-PE	Jet Air Stream Ducted	Ducted front panel	2500
P-VTVF250PC5-PE	Jet Air Stream Ducted	Ducted front panel	5000

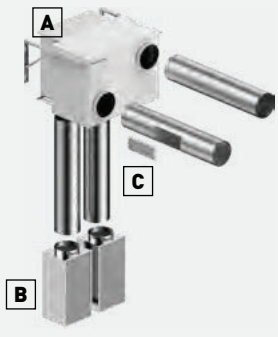
* The product technical data is the same as Jet Air Stream Smart.

Accessories		
PCZ-AHRX0012		Touch panel controller with Modbus integration and group control up to 8 units
PCZ-AHRP0681		Recessed mounting box for controller
A	**PCZ-AHRX0051**	Ducted air intake plenum (1 x DN 355 mm) for VTVF140N and VTVF140P
A	**PCZ-AHRX0052**	Ducted air intake plenum (2 x DN 355 mm) for VTVF250N and VTVF250P
B	**PCZ-AHRX0061**	Ground air intake module (VTVF250 requires two of them)
C	**PCZ-AHRX0071**	Air supply grille for ducts

Accessories for remote air intake configurations.

Manual version.

Ducted version.



Rating conditions: Cooling indoor 27 °C DB / 19 °C WB. Cooling outdoor 35 °C DB / 24 °C WB. Heating indoor 20 °C DB. Heating outdoor 7 °C DB / 6 °C WB. (DB: Dry Bulb; WB: Wet Bulb).
Specifications subject to change without notice. For detailed information about ErP / Energy Labelling, please visit our websites www.aircon.panasonic.eu or www.ptc.panasonic.eu.