Panasonic (< GENERAL INDEX

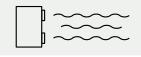
# **Jet Air Stream**

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.

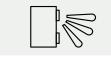








Long air distribution.



Smart Jet - self-directing nozzles.



Quiet operation.



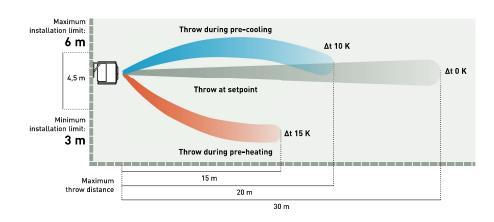


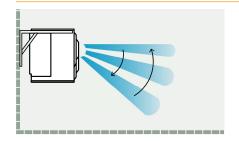
The Jet Air Stream for the large spaces that require high air distribution, such as gymnasiums, production areas and warehouses.

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.

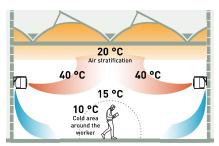




#### Smart Jet - self-directing nozzles

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.

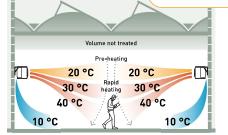
# **Jet Air Stream operation**



## 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.

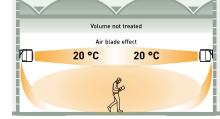
# In cooling mode, the nozzle operation logic is inverted until the setpoint is reached



## 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.

Туре		Jet Air Str	eam 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	
				2		2	
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









Kint - Lower Service of Service	Air flow		2500 m³/h	2500 m³/h	5000 m³/h	
Cooling capacity         Nominal (Min-Max)         kW         14,1(3,3 + 18,0)         14,1(3,3 + 18,0)         24,2(6,1 + 25,6)           ER II         Nominal (Min-Max)         W/W         3,46(2,74 + 5,32)         3,66(2,74 + 5,32)         3,801(2,94 - 3,80)           Pdesign         KW         -         -         -         -           Heating capacity         Nominal (Min-Max)         kW         1,40(3,3 - 18,0)         14,0(3,3 - 18,0)         26,7(5,5 - 27,6)           Open         Nominal (Min-Max)         kW         14,0(3,3 - 18,0)         14,0(3,3 - 18,0)         26,7(15,5 - 27,6)           Open         Nominal (Min-Max)         kW         14,0(3,3 - 18,0)         14,0(3,3 - 18,0)         26,7(15,5 - 27,6)           Open         Nominal (Min-Max)         kW         155%         158         158         158         158           Open         Nominal (Min-Max)         kW         1,555         158	Kit			KIT-140MC5ZH5	KIT-140MC5ZH8	KIT-250MC5ZH8
EER   Nominal (Min - Max)         W/W         3.46(2,74-5,32)         3.66(2,74-5,32)         3.80(2,49-4,88)           N <sub>x</sub> <sup>2</sup> 227%         250%         250%           Pdesign         kW         —         —         —         —           Heating capacity         Nominal (Min-Max)         kW         14.013,3-18.00         14.013,3-18.00         26.715,5-27.61           COP ***         Nominal (Min-Max)         WW         14.013,3-18.00         14.013,3-18.00         26.715,5-27.61           COP ***         Nominal (Min-Max)         WW         14.013,3-18.00         155%         155%           Pdesign at -10 °C         kW         11.0         11.0         18.5         155%           Pdesign at -10 °C         kW         11.0         18.5         155% </th <th colspan="2">Remote controller</th> <th></th> <th>PCZ-AHRX0012</th> <th>PCZ-AHRX0012</th> <th>PCZ-AHRX0012</th>	Remote controller			PCZ-AHRX0012	PCZ-AHRX0012	PCZ-AHRX0012
N <sub>cc</sub> "         227%         227%         250%           Pdesign         kW         -         -         -           Heating capacity         Nominal (Min-Max)         kW         14,013,3=18,0)         14,013,3=19,0)         22,715,5=27,6           COP "         Nominal (Min-Max)         WW         3,88 (3,27 - 5,50)         3,88 (3,27 - 5,50)         3,74 (3,07 - 4,78)           COP "         Nominal (Min-Max)         WW         3,88 (3,27 - 5,50)         3,88 (3,27 - 5,50)         3,74 (3,07 - 4,78)           Pdesign at 10 °C         kW         11,0         11,0         18,5           Pdesign at 10 °C         kW         11,0         11,0         18,5           Noc2les type         "         PATUF16M0K5-PE         P-VTVF140M65-PE         P-VTVF250M65-PE           Noc2les type         "         Smart Jet - self-directing nozzles         Smart Je	Cooling capacity	Nominal (Min - Max)	kW	14,1 (3,3 - 18,0)	14,1 (3,3 - 18,0)	24,2 (6,1 - 25,6)
Podesign		Nominal (Min - Max)	W/W	3,46 (2,74 – 5,32)	3,46 (2,74 – 5,32)	3,80 (2,49 – 4,88)
Heating capacity   Nominal (Min-Max)   Nomin	η <sub>s,c</sub> <sup>2]</sup>			227%	227%	250%
COP 11         Nominal (Min - Max)         W/W         3.88 (3,27 - 5,50)         3.74 (3,07 - 4,78)           N <sub>s</sub> all 10 °C         kW         11,0         11,0         18,5           Pdesign at -10 °C         kW         11,0         11,0         18,5           Nozzles type         Feath Stream Smart P-VTVF140MC5-PE         P-VTVF140MC5-PE P-VTVF140MC5-PE         P-VTVF140MC5-PE P-VTVF140MC5-PE         P-VTVF240MC5-PE P-VTVF140MC5-PE P-VTVF140MC5-PE P-VTVF240MC5-PE           Number of nozzles         2         2         2         4           External static pressure         Pa         1100         170         170           Air flow         m/h         2560         2560         5010           Sound pressure ³³         Cool / Heat         dBlAl         42         42         46           Sound power ³³         Hi / Med / Lo         dBlAl         42         42         46           Sound power ³³         Hi / Med / Lo         dBlAl         42         42         46           Sound power ³³         Hi / Med / Lo         dBlAl         42         42         46           Sound pressure         kg         8         8         8         130           Ottddoor unit         Vph / Hz         2220-230-240 / 1/5	Pdesign		kW	<del>-</del>	_	_
n <sub>s.b.</sub> a <sup>1</sup> n <sub>s.b.</sub> a 155%         155%         155%           Pdesign at -10 °C         kW         11,0         11,5         11,5           Indoor unit         Jet Air Stream Smart         Smart Jet - self-directing nozzles         Smart Jet - self-directing nozzles<	Heating capacity	Nominal (Min - Max)	kW	14,0 (3,3 – 18,0)	14,0 (3,3 – 18,0)	26,7 (5,5 – 27,6)
Pdesign at -10 °C         kW         11,0         11,0         18,5           Indoor unit         2 PA Air Stream Smart         Jet Air Stream Smart         Jet Air Stream Smart         Jet Air Stream Smart           Nozzles type         PATYPE30MCS-PE         PATYPE30MCS-PE         PATYPE30MCS-PE           Nozzles type         Smart Jet - self-directing nozzles         Smart Jet - self-directing nozzles         Smart Jet - self-directing nozzles           Number of nozzles         Pa         170         170         170           Air flow         m/h         2560         2560         5010           Sound pressure ³¹         Cool / Heat         dBlAl         4         2         42         46           Sound power ⁴¹         H / Med / Lo         dBlAl         -		Nominal (Min - Max)	W/W	3.88 (3,27 - 5,50)	3.88 (3,27 - 5,50)	3,74(3,07-4,78)
Indoor unit         Jet Air Stream Smart (P-VTVF160M65-PE)         Jet Air Stream Smart (P-VTVF160M65-PE)         Jet Air Stream Smart (P-VTVF160M65-PE)         P-VTVF160M65-PE         Som and port of the self-directing nozzles         Somat Jet -self-directing nozzles         Solf 10           Sound pressure 1	η <sub>s,h</sub> 2)			155%	155%	155%
Indoor unit         P-VTVF140MC5-PE         P-VTVF140MC5-PE         P-VTVF140MC5-PE           Nozzles type         Smart Jet - self-directing nozzles         Smart Jet - self-directing nozzles         Smart Jet - self-directing nozzles           Number of nozzles         Pa         170         170         170           External static pressure         Pa         170         170         170           Air flow         m/h         2560         2560         5010           Sound pressure ³¹         Cool / Heat         dBlAl         42         42         46           Sound power ⁴¹         Hi / Med / Lo         dBlAl         ————————————————————————————————————	Pdesign at -10 °C		kW	11,0	11,0	18,5
Nozzles type         Smart Jet - self-directing nozzles         4           External static pressure         Pa         170         <				Jet Air Stream Smart	Jet Air Stream Smart	Jet Air Stream Smart
Number of nozzles         2         2         4           External static pressure         Pa         170         170         170           Air flow         m'/h         2560         2560         5010           Sound pressure ³¹         Cool / Heat         dBlA)         42         42         46           Sound power ⁴         Hi / Med / Lo         dBlA)         -         -         -         -         -           Dimension         HxWxD         mm         802x1105x893         802x1105x893         1026x1458x953           Net weight         kg         88         88         130           Outdor unit         U-140PZH4ES         U-140PZH4EB         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)         dBlA)         56/56         56/56         59/63           Dimension         HxWxD         mm         996x980x370         996x980x370         996x1140x460           Net weight         kg         86         84         109           Piping diameter <td< th=""><th>Indoor unit</th><th></th><th></th><th>P-VTVF140MC5-PE</th><th>P-VTVF140MC5-PE</th><th>P-VTVF250MC5-PE</th></td<>	Indoor unit			P-VTVF140MC5-PE	P-VTVF140MC5-PE	P-VTVF250MC5-PE
Pa   170   170   170   170   170   Air flow   m³/h   2560   2560   501	Nozzles type			Smart Jet - self-directing nozzles	Smart Jet - self-directing nozzles	Smart Jet - self-directing nozzles
Air flow         m³/h         2560         2560         5010           Sound pressure ³¹         Cool / Heat         dB(A)         42         42         46           Sound power ⁴¹         Hi / Med / Lo         dB(A)         —         —         —           Dimension         HxWxD         mm         802x1105x893         802x1105x893         1026x1458x953           Net weight         kg         88         88         130           Outdoor unit         U-140PZH4ES         U-140PZH4ES         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 (Hii)         dB(A)         56/56         56/56         59/63           Dimension         HxWxD         mm         996x980x370         996x980x370         996x1140x460           Net weight         kg         86         84         109           Piping diameter         kg         86         84         109           Piping diameter         kg         86(15,88)         5/8(15,88)         7/8(22,22)           Pipe length range <td< td=""><td>Number of nozzles</td><td></td><td></td><td>2</td><td>2</td><td>4</td></td<>	Number of nozzles			2	2	4
Sound pressure 30         Cool / Heat         dB(A)         42         42         46           Sound power 41         Hi / Med / Lo         dB(A)         —         —         —           Dimension         HxWxD         mm         802x1105x893         802x1105x893         1026x1458x953           Net weight         kg         88         88         130           Outdoor unit         U-140PZH4ES         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         HxWxD         mm         996x980x370         996x980x370         996x1140x460           Net weight         kg         86         84         109           Piping diameter         kg         86         84         109           Piping diameter         kg         86         84         109           Elevation difference (in / out)         m         5-100         5-100         5-100 <tr< td=""><td colspan="2">External static pressure</td><td>Pa</td><td>170</td><td>170</td><td>170</td></tr<>	External static pressure		Pa	170	170	170
Sound power <sup>41</sup> Hi / Med / Lo         dB(A)         —         —         —           Dimension         HxWxD         mm         802x1105x893         802x1105x893         1026x1458x953           Net weight         kg         88         88         130           Outdoor unit         U-140PZH4ES         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         HxWxD         mm         996x980x370         996x980x370         996x1140x460           Net weight         kg         86         84         109           Piping diameter         kg         86         84         109           Piping diameter         kg         86         84         109           Pipe length range         m         5-100         5-100         5-100           Elevation difference (in / out)         m         15/30°1         15/30°1         30           Pre-charged pipe length         m	Air flow		m³/h	2560	2560	5010
Dimension         HxWxD         mm         802x1105x893         802x1105x893         1026x1458x953           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         390-430-415/30         490-415/30         490-415/30         490	Sound pressure 3)	Cool / Heat	dB(A)	42	42	46
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 xWxD         mm         996 x980 x370         996 x980 x370         996 x1140 x460           Net weight         kg         86         84         109           Piping diameter         Liquid         Inch (mm)         3/8 (9,52)         3/8 (9,52)         1/2 (12,70)           Pipe length range         m         5 / 100         5 ~ 100         5 ~ 100           Elevation difference (in / out)         m         15 / 30 sl         15 / 30 sl         30           Pre-charged pipe length         m         30         30         30           Additional gas amount         g/m         40         40         80           Refrigerant [R32] / CO <sub>2</sub> Eq.         kg / T         3,00/2,03         3,00/2,03         4,80/3,24           Operating	Sound power 4)	Hi / Med / Lo	dB(A)	_	_	
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         HxWxD         mm         996x980x370         996x980x370         996x91140x460           Net weight         kg         86         84         109           Piping diameter         Liquid         Inch (mm)         3/8(9,52)         3/8(9,52)         1/2(12,70)           Pipe length range         m         5-100         5-100         5-100           Elevation difference (in / out)         m         15/30 <sup>51</sup> 15/30 <sup>51</sup> 30           Pre-charged pipe length         m         30         30         30           Additional gas amount         g/m         40         40         80           Refrigerant [R32] / CO <sub>2</sub> Eq.         kg / T         3,00/2,03         3,00/2,03         4,80/3,24           Operation range         Cool Min ~ Max         °C         -20 <sup>61</sup> ~ +52         -20 <sup>61</sup> ~ +52         -20 <sup></sup>	Dimension	HxWxD	mm	802 x 1105 x 893	802 x 1105 x 893	1026 x 1458 x 953
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         HxWxD         mm         996x980x370         996x980x370         996x9140x460           Net weight         kg         86         84         109           Piping diameter         Liquid         Inch (mm)         3/8(9,52)         3/8(9,52)         1/2(12,70)           Pipe length range         m         5~100         5~100         5~100           Elevation difference (in / out)         m         15/30 ⁵l         15/30 ⁵l         30           Pre-charged pipe length         m         30         30         30           Additional gas amount         g/m         40         40         80           Refrigerant [R32] / CO <sub>2</sub> Eq.         kg / T         3,00/2,03         3,00/2,03         4,80/3,24           Operation range         Cool Min ~ Max         °C         -20 ⁵l ~ +52         -20 ⁵l ~ +52         -15 ~ +52	Net weight		kg	88	88	130
Recommended fuse         A         40         16         30           Sound pressure         Cool / Heat (Hi)         dB(A)         56/56         56/56         59/63           Dimension         HxWxD         mm         996x980x370         996x980x370         996x91140x460           Net weight         kg         86         84         109           Piping diameter         Liquid         Inch (mm)         3/8(9,52)         3/8(9,52)         1/2(12,70)           Pipe length range         m         5-100         5-100         5-100           Elevation difference (in / out)         m         15/30 %         15/30 %         30           Pre-charged pipe length         m         30         30         30           Additional gas amount         g/m         40         40         80           Refrigerant [R32] / CO <sub>2</sub> Eq.         kg / T         3,00/2,03         3,00/2,03         4,80/3,24           Operation range         Cool Min ~ Max         °C         -20 % ~ +52         -20 % ~ +52         -15 ~ +52	Outdoor unit			U-140PZH4E5	U-140PZH4E8	U-250PZH4E8
Sound pressure         Cool / Heat (Hi)         dB(A)         56/56         56/56         59/63           Dimension         HxWxD         mm         996x980x370         996x980x370         996x9140x460           Net weight         kg         86         84         109           Piping diameter         Liquid         Inch (mm)         3/8(9,52)         3/8(9,52)         1/2(12,70)           Pipe length range         m         5-100         5-100         5-100           Elevation difference (in / out)         m         15/30 sl         15/30 sl         30           Pre-charged pipe length         m         30         30         30           Additional gas amount         g/m         40         40         80           Refrigerant [R32] / CO <sub>2</sub> Eq.         kg / T         3,00/2,03         3,00/2,03         4,80/3,24           Operation range         Cool Min ~ Max         °C         -20 sl ~ +52         -20 sl ~ +52         -15 ~ +52	Power supply		V / ph / Hz	220-230-240/1/50	380-400-415/3/50	380-400-415/3/50
Dimension         HxWxD         mm         996x980x370         996x980x370         996x9140x460           Net weight         kg         86         84         109           Piping diameter         Liquid         Inch (mm)         3/8(9,52)         3/8(9,52)         1/2(12,70)           Pipe length range         m         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 sl         15/30 sl         30           Pre-charged pipe length         m         30         30         30           Additional gas amount         g/m         40         40         80           Refrigerant [R32] / CO <sub>2</sub> Eq.         kg / T         3,00/2,03         3,00/2,03         4,80/3,24           Operation range         Cool Min ~ Max         °C         -20 sl ~ +52         -20 sl ~ +52         -15 ~ +52	Recommended fuse		Α	40	16	30
Net weight         kg         86         84         109           Piping diameter         Liquid         Inch (mm)         3/8 (9.52)         3/8 (9.52)         1/2 (12,70)           Pipe length range         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 (3)         15/30 (3)         30           Pre-charged pipe length         m         30         30         30           Additional gas amount         g/m         40         40         80           Refrigerant [R32] / CO <sub>2</sub> Eq.         kg / T         3,00/2,03         3,00/2,03         4,80/3,24           Operation range         Cool Min ~ Max         °C         -20 (1 ~ +52)         -20 (1 ~ +52)         -15 ~ +52	Sound pressure	Cool / Heat (Hi) dB(A) 56/56 56/56		56/56	59/63	
Piping diameter         Liquid         Inch (mm)         3/8 [9,52]         3/8 [9,52]         1/2 [12,70]           Pipe length range         m         5 × 100         5 × 100         5 × 100           Elevation difference (in / out)         m         15 / 30 sl         15 / 30 sl         30           Pre-charged pipe length         m         30         30         30           Additional gas amount         g/m         40         40         80           Refrigerant [R32] / CO <sub>2</sub> Eq.         kg / T         3,00/2,03         3,00/2,03         4,80/3,24           Operating range         Cool Min ~ Max         °C         -20 sl ~ +52         -20 sl ~ +52         -15 ~ +52	Dimension	HxWxD	mm	996×980×370	996×980×370	996×1140×460
Piping diameter         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 sl         15/30 sl         30           Pre-charged pipe length         m         30         30         30           Additional gas amount         g/m         40         40         80           Refrigerant [R32] / CO <sub>2</sub> Eq.         kg / T         3,00/2,03         3,00/2,03         4,80/3,24           Operation range         Cool Min ~ Max         °C         -20 sl ~ +52         -20 sl ~ +52         -15 ~ +52	Net weight		kg	86	84	109
Pipe length range         m         5×815,881         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 sl         15/30 sl         30           Pre-charged pipe length         m         30         30         30           Additional gas amount         g/m         40         40         80           Refrigerant (R32) / CO <sub>2</sub> Eq.         kg / T         3,00/2,03         3,00/2,03         4,80/3,24           Operating range         Cool Min ~ Max         °C         -20 sl ~ +52         -20 sl ~ +52         -15 ~ +52	Dining diameter	Liquid	Inch (mm)	3/8 (9,52)	3/8 (9,52)	1/2 (12,70)
Elevation difference (in / out)         m         15/30 sl         15/30 sl         30           Pre-charged pipe length         m         30         30         30           Additional gas amount         g/m         40         40         80           Refrigerant [R32] / CO <sub>2</sub> Eq.         kg / T         3,00/2,03         3,00/2,03         4,80/3,24           Operating range         Cool Min ~ Max         °C         -20 sl ~ +52         -20 sl ~ +52         -15 ~ +52	Figure diameter	Gas	Inch (mm)	5/8 (15,88)	5/8 (15,88)	7/8 (22,22)
Pre-charged pipe length         m         30         30         30           Additional gas amount         g/m         40         40         80           Refrigerant [R32] / CO <sub>2</sub> 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	Pipe length range		m	5~100	5~100	5~100
Additional gas amount         g/m         40         40         80           Refrigerant [R32] / CO <sub>2</sub> Eq.         kg / T         3,00/2,03         3,00/2,03         4,80/3,24           Operating range         Cool Min ~ Max         °C         -20 <sup>6/2</sup> ~ +52         -20 <sup>6/2</sup> ~ +52         -15 ~ +52	Elevation difference (in / out)		m	15/30 <sup>5)</sup>	15/30 51	30
Refrigerant [R32] / CO, Eq. kg / T 3,00/2,03 3,00/2,03 4,80/3,24  Operating range Cool Min ~ Max °C -20 61~+52 -20 61~+52 -15~+52	Pre-charged pipe length m		m	30	30	30
Cool Min ~ Max °C -20 61 ~+52 -20 61 ~+52 -15 ~+52	Additional gas amount g/m		g/m	40	40	80
Operating range	Refrigerant (R32) / $CO_2$ Eq. kg / T		kg / T	3,00/2,03	3,00/2,03	4,80/3,24
Heat Min ~ Max	Operating range	Cool Min ~ Max		-20 <sup>6]</sup> ~+52	-20 <sup>6]</sup> ~+52	-15~+52
	Operating range	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

 $<sup>\</sup>ensuremath{^{*}}$  The product technical data is the same as Jet Air Stream Smart.

Acc	cessories		
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	
В	PCZ-AHRX0061	Ground air intake module (VTVF250 requires two of them)	
С	PCZ-AHRX0071	Air supply grille for ducts	













