

PACi NX Series Elite adaptive ducted unit - PF3 · R32

Adaptive ducted unit - PF3.

2 installation possibilities (horizontal / vertical) with high ESP 150Pa allows flexible installation.



nanoe™ X

nanoe™ X as a standard.

			Single phase							
			3,6 kW	5,0 kW	6,0 kW	7,1 kW	10,0 kW	12,5 kW	14,0 kW	
Kit			KIT-36PF3ZH5	KIT-50PF3ZH5	KIT-60PF3ZH5	KIT-71PF3ZH5	KIT-100PF3ZH5	KIT-125PF3ZH5	KIT-140PF3ZH5	
Remote controller			CZ-RTC5B	CZ-RTC5B	CZ-RTC5B	CZ-RTC5B	CZ-RTC5B	CZ-RTC5B	CZ-RTC5B	
Cooling capacity	Nominal (Min - Max)	kW	3,6(1,2 - 4,0)	5,0(1,2 - 5,6)	5,7(1,2 - 6,3)	6,8(2,2 - 7,8)	9,5(3,1 - 11,4)	12,1(3,2 - 13,6)	13,4(3,3 - 15,3)	
EER ¹⁾	Nominal (Min - Max)	W/W	4,24(3,57 - 5,45)	3,42(3,11 - 5,45)	3,68(3,15 - 5,45)	3,74(2,41 - 5,64)	4,09(2,82 - 5,08)	3,53(3,00 - 5,00)	3,38(2,59 - 4,18)	
SEER / η _{se,c} ²⁾			6,8 A++	6,1 A++	7,1 A++	7,1 A++	7,4 A++	281,7%	275,9%	
Pdesign		kW	3,6	5,0	5,7	6,8	9,5	12,1	13,4	
Input power	Nominal (Min - Max)	kW	0,85(0,22 - 1,12)	1,46(0,22 - 1,80)	1,55(0,22 - 2,00)	1,82(0,39 - 3,24)	3,23(0,61 - 4,04)	3,43(0,64 - 4,54)	3,96(0,79 - 5,90)	
Annual energy consumption ³⁾		kWh/a	185	287	281	332	447	—	—	
Heating capacity	Nominal (Min - Max)	kW	4,0(1,2 - 5,0)	5,6(1,2 - 6,5)	7,0(1,2 - 8,0)	7,5(2,0 - 9,0)	10,8(3,1 - 13,5)	13,5(3,2 - 15,4)	15,5(3,3 - 17,4)	
COP ¹⁾	Nominal (Min - Max)	W/W	4,17(3,23 - 5,45)	3,61(2,97 - 5,45)	3,74(3,33 - 5,45)	4,03(3,16 - 5,41)	3,88(3,07 - 5,25)	3,46(3,06 - 5,16)	3,33(3,14 - 4,29)	
SCOP / η _{sh} ²⁾			4,5 A+	4,2 A+	4,4 A+	4,7 A++	4,3 A+	165,0%	162,6%	
Pdesign at -10 °C		kW	3,6	4,0	4,7	4,7	7,8	9,3	9,5	
Input power	Nominal (Min - Max)	kW	0,96(0,22 - 1,55)	1,55(0,22 - 2,19)	1,87(0,22 - 2,40)	1,86(0,37 - 2,85)	2,78(0,59 - 4,40)	3,90(0,62 - 5,04)	4,65(0,77 - 5,55)	
Annual energy consumption ³⁾		kWh/a	1120	1333	1495	1393	2540	—	—	
Indoor unit			S-3650PF3E	S-3650PF3E	S-6071PF3E	S-6071PF3E	S-1014PF3E	S-1014PF3E	S-1014PF3E	
External static pressure ⁴⁾	Nominal (Min - Max)	Pa	30(10 - 150)	30(10 - 150)	30(10 - 150)	30(10 - 150)	40(10 - 150)	50(10 - 150)	50(10 - 150)	
Air flow	Hi / Med / Lo	m ³ /min	14,0/13,0/10,0	16,0/15,0/12,0	21,0/19,0/15,0	21,0/19,0/15,0	20,0/26,0/21,0	34,0/29,0/23,0	36,0/32,0/25,0	
Moisture removal volume		L/h	0,9	1,9	1,7	2,7	3,2	4,1	4,9	
Sound pressure ⁵⁾	Hi / Med / Lo	dB(A)	30/27/22	34/30/25	30/26/23	30/26/23	33/29/25	35/31/27	39/35/29	
Sound power	Hi / Med / Lo	dB(A)	53/50/45	57/53/48	53/49/46	53/49/46	56/52/48	58/54/50	62/58/52	
Dimension	HxWxD	mm	250x800x730	250x800x730	250x1000x730	250x1000x730	250x1400x730	250x1400x730	250x1400x730	
Net weight		kg	25	25	30	30	39	39	39	
nanoe X Generator			Mark 2	Mark 2	Mark 2	Mark 2	Mark 2	Mark 2	Mark 2	
Outdoor unit			U-36PZH3E5	U-50PZH3E5	U-60PZH3E5	U-71PZH4E5	U-100PZH4E5	U-125PZH4E5	U-140PZH4E5	
Power supply		V	220 - 230 - 240	220 - 230 - 240	220 - 230 - 240	220 - 230 - 240	220 - 230 - 240	220 - 230 - 240	220 - 230 - 240	
Current	Cool	A	4,20 - 4,00 - 3,85	6,90 - 6,60 - 6,35	7,25 - 6,95 - 6,65	9,20 - 8,80 - 8,45	11,50 - 11,00 - 10,50	16,80 - 16,00 - 15,40	19,40 - 18,50 - 17,70	
	Heat	A	4,70 - 4,50 - 4,30	7,35 - 7,00 - 6,75	8,65 - 8,30 - 7,95	9,40 - 9,00 - 8,60	13,60 - 13,10 - 12,60	19,10 - 18,20 - 17,50	22,70 - 21,70 - 20,80	
Air flow	Cool / Heat	m ³ /min	34,1/36,4	42,0/42,0	42,0/42,0	62,0/66,0	76,0/70,0	86,0/78,0	89,0/83,0	
Sound pressure	Cool / Heat (Hi)	dB(A)	43/44	46/48	47/50	48/50	52/52	55/55	56/56	
Sound power	Cool / Heat (Hi)	dB(A)	62/64	64/67	65/69	65/67	69/69	73/73	74/74	
Dimension	HxWxD	mm	695x875x320	695x875x320	695x875x320	996x980x370	996x980x370	996x980x370	996x980x370	
Net weight		kg	42	42	43	66	84	86	86	
Piping diameter	Liquid	Inch (mm)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35) ⁶⁾	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)	
	Gas	Inch (mm)	1/2 (12,70)	1/2 (12,70)	1/2 (12,70) ⁷⁾	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)	
Pipe length range		m	3 - 40	3 - 40	3 - 40	5 - 60	5 - 100	5 - 100	5 - 100	
Elevation difference (in / out) ⁸⁾		m	15/30	15/30	15/30	15/30	15/30	15/30	15/30	
Pre-charged pipe length		m	30	30	30	30	30	30	30	
Additional gas amount		g/m	15	15	15	30	40	40	40	
Refrigerant (R32) / CO ₂ Eq.		kg / T	1,13/0,76	1,13/0,76	1,15/0,78	1,95/1,32	2,70/1,82	3,00/2,03	3,00/2,03	
Operating range	Cool Min - Max	°C	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +52	-20 ⁹⁾ ~ +52	-20 ⁹⁾ ~ +52	-20 ⁹⁾ ~ +52	
	Heat Min - Max	°C	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24	

Technical focus

- 2 installation possibilities (horizontal / vertical)
- Maximum external static pressure: 150 Pa
- Selectable inlet air position (rear / bottom entry)
- Improved drain pan suitable for both horizontal / vertical installation
- Drain pump included
- nanoe™ X (Generator Mark 2: 9,6 trillion hydroxyl radicals/sec) as standard for the long duct piping case*
- **New** BION air pollutant filter for certain types of pollutants, such as nitrogen dioxide (NO₂), nitrogen oxides (NO_x) and Ozone (O₃) (optional)
- Wired remote control CZ-RTC6WBL and CZ-RTC6BL allows easy system setting via Bluetooth®

* The performance of nanoe™ X air can be expected even by 10 m long duct by Panasonic internal survey.

2 installation possibilities (horizontal / vertical)

Vertical installation is available. ESP 150Pa, sufficient for remotely installing units away from the rooms.



Improved drain pan design

Drain pan is shared in both cases horizontal and vertical installation. No need to modify the unit.



