



Wall	Indoor	Cooling capacity	Heating capacity	Dimension		Sound pressure		Air volume	
				H x W x D		Hi / Med / Lo		Hi / Med / Lo	
				mm		dB(A)		m³/min	
3,60kW	S-36PK2E5B	3,60	4,20	302 x 1120 x 236		35/31/27		11,00/9,50/7,50	
4,50kW	S-45PK2E5B	4,50	5,20	302 x 1120 x 236		38/34/30		12,00/10,50/8,50	
5,00kW	S-50PK2E5B	5,00	5,60	302 x 1120 x 236		40/36/32		14,00/12,00/10,50	
6,00kW	S-60PK2E5B	6,00	7,00	302 x 1120 x 236		47/44/40		18,00/14,50/11,50	
7,10kW	S-71PK2E5B	7,10	8,00	302 x 1120 x 236		47/44/40		18,00/14,50/11,50	
10,00kW	S-100PK2E5B	10,00	11,20	302 x 1120 x 236		47/44/40		19,00/16,50/13,00	

4 Way 60x60 Cassette	Indoor (Panels CZ-KPY3AW / CZ-KPY3BW)	Cooling capacity	Heating capacity	Dimension: Indoor / CZ-KPY3AW / CZ-KPY3BW		Sound pressure		Air volume	
				H x W x D		Hi / Med / Lo		Hi / Lo	
				mm		dB(A)		m³/min	
3,60kW	S-36PY2E5B	3,60	4,20	288 x 583 x 583 / 31 x 700 x 700 / 31 x 625 x 625		36/32/26		9,70/9,90	
4,50kW	S-45PY2E5B	4,50	5,20	288 x 583 x 583 / 31 x 700 x 700 / 31 x 625 x 625		38/34/28		10,00/10,30	
5,00kW	S-50PY2E5B	5,00	5,60	288 x 583 x 583 / 31 x 700 x 700 / 31 x 625 x 625		40/37/33		11,10/11,10	

4 Way 90x90 Cassette	Indoor (Panels CZ-KPU3W / CZ-KPU3AW)	Cooling capacity	Heating capacity	Dimension Indoor		Dimension Panel		Sound pressure		Air volume	
				H x W x D		H x W x D		Hi / Med / Lo		Hi / Med / Lo	
				mm		mm		dB(A)		m³/min	
3,60kW	S-36PU2E5B	3,60	4,20	256 x 840 x 840		33,5 x 950 x 950		30/28/27		14,50/13,00/11,50	
4,50kW	S-45PU2E5B	4,50	5,20	256 x 840 x 840		33,5 x 950 x 950		31/28/27		15,50/13,00/11,50	
5,00kW	S-50PU2E5B	5,00	5,60	256 x 840 x 840		33,5 x 950 x 950		32/29/27		16,50/13,50/11,50	
6,00kW	S-60PU2E5B	6,00	7,00	256 x 840 x 840		33,5 x 950 x 950		38/31/28		21,00/16,00/13,00	
7,10kW	S-71PU2E5B	7,10	8,00	256 x 840 x 840		33,5 x 950 x 950		37/31/28		22,00/16,00/13,00	
10,00kW	S-100PU2E5B	10,00	11,20	319 x 840 x 840		33,5 x 950 x 950		45/38/32		36,00/26,00/18,00	
12,50kW	S-125PU2E5B	12,50	14,00	319 x 840 x 840		33,5 x 950 x 950		46/39/33		37,00/27,00/19,00	
14,00kW	S-140PU2E5B	14,00	14,00	319 x 840 x 840		33,5 x 950 x 950		47/40/34		38,00/29,00/20,00	

Ceiling	Indoor	Cooling capacity	Heating capacity	Dimension		Sound pressure		Air volume	
				H x W x D		Hi / Med / Lo		Hi / Med / Lo	
				mm		dB(A)		m³/min	
3,60kW	S-36PT2E5B	3,60	4,20	235 x 960 x 690		35/32/30		14,00/12,00/10,50	
4,50kW	S-45PT2E5B	4,50	5,20	235 x 960 x 690		38/33/30		15,00/12,50/10,50	
5,00kW	S-50PT2E5B	5,00	5,60	235 x 960 x 690		38/33/30		15,00/12,50/10,50	
6,00kW	S-60PT2E5B	6,00	7,00	235 x 1275 x 690		39/36/33		20,00/17,00/14,50	
7,10kW	S-71PT2E5B	7,10	8,00	235 x 1275 x 690		39/36/33		21,00/18,00/15,50	
10,00kW	S-100PT2E5B	10,00	11,20	235 x 1590 x 690		42/38/35		30,00/25,00/23,00	
12,50kW	S-125PT2E5B	12,50	14,00	235 x 1590 x 690		45/40/37		34,00/28,00/24,00	
14,00kW	S-140PT2E5B	14,00	14,00	235 x 1590 x 690		47/41/37		35,00/29,00/25,00	

High Static Pressure Hide Away	Indoor	Cooling capacity	Heating capacity	Dimension		External static pressure		Sound pressure		Air volume	
				H x W x D		Hi / Med / Lo		Hi / Med / Lo		Hi / Med / Lo	
				mm		Pa		dB(A)		m³/min	
3,60kW	S-36PF1E5B	3,60	4,20	290 x 800 x 700		150/70/10		33/29/25		14,00/13,00/10,00	
4,50kW	S-45PF1E5B	4,50	5,20	290 x 800 x 700		150/70/10		34/30/26		14,00/13,00/10,00	
5,00kW	S-50PF1E5B	5,00	5,60	290 x 800 x 700		150/70/10		34/30/26		16,00/15,00/12,00	
6,00kW	S-60PF1E5B	6,00	7,00	290 x 1000 x 700		150/70/10		35/32/26		21,00/19,00/15,00	
7,10kW	S-71PF1E5B	7,10	8,00	290 x 1000 x 700		150/70/10		35/32/26		21,00/19,00/15,00	
10,00kW	S-100PF1E5B	10,00	11,20	290 x 1400 x 700		150/100/10		38/34/31		32,00/26,00/21,00	
12,50kW	S-125PF1E5B	12,50	14,00	290 x 1400 x 700		150/100/10		39/35/32		34,00/29,00/23,00	
14,00kW	S-140PF1E5B	14,00	14,00	290 x 1400 x 700		150/100/10		40/36/33		36,00/32,00/25,00	

Low Static Pressure Hide Away	Indoor	Cooling capacity	Heating capacity	Dimension		External static pressure		Sound pressure		Air volume	
				H x W x D		Hi / Med / Lo		Hi / Med / Lo		Hi / Med / Lo	
				mm		Pa		dB(A)		m³/min	
3,60kW	S-36PN1E5B	3,60	4,20	250 x 780 x 650		80/50/10		40/38/35		14,00/12,00/10,00	
4,50kW	S-45PN1E5B	4,50	5,20	250 x 780 x 650		80/50/10		41/39/35		16,00/13,00/11,00	
5,00kW	S-50PN1E5B	5,00	5,60	250 x 780 x 650		80/50/10		41/39/35		16,00/13,00/11,00	
6,00kW	S-60PN1E5B	6,00	7,00	250 x 1000 x 650		80/50/10		43/41/36		22,00/20,00/16,00	
7,10kW	S-71PN1E5B	7,10	8,00	250 x 1000 x 650		80/50/10		43/41/36		22,00/20,00/16,00	
10,00kW	S-100PN1E5B	10,00	11,20	250 x 1200 x 650		80/50/10		44/42/37		36,00/33,00/26,00	
12,50kW	S-125PN1E5B	12,50	14,00	250 x 1200 x 650		80/50/10		46/44/39		38,00/35,00/28,00	
14,00kW	S-140PN1E5B	14,00	14,00	250 x 1200 x 650		80/50/10		46/44/39		40,00/37,00/30,00	

**PACi Elite Outdoor Units • R32 Gas <sup>1)</sup>**

			7,10kW	10,00kW	12,50kW	14,00kW	20,00kW	25,00kW
<b>Outdoor unit Single Phase</b>			<b>U-71PZH2E5</b>	<b>U-100PZH2E5</b>	<b>U-125PZH2E5</b>	<b>U-140PZH2E5</b>	—	—
<b>Outdoor unit Three Phase</b>			<b>U-71PZH2E8</b>	<b>U-100PZH2E8</b>	<b>U-125PZH2E8</b>	<b>U-140PZH2E8</b>	<b>U-200PZH2E8 <sup>2)</sup></b>	<b>U-250PZH2E8 <sup>2)</sup></b>
Cooling capacity	Nominal (Min - Max)	kW	7,10 (2,20 - 9,00)	10,00 (3,10 - 12,50)	12,50 (3,20 - 14,00)	14,00 (3,30 - 16,00)	20,00 (5,70 - 22,40)	25,00 (6,10 - 28,00)
Heating capacity	Nominal (Min - Max)	kW	8,00 (2,00 - 9,00)	11,20 (3,10 - 14,00)	14,00 (3,20 - 16,00)	16,00 (3,30 - 18,00)	22,40 (5,00 - 25,00)	28,00 (5,50 - 31,50)
Power source	Single Phase	V	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240	—	—
	Three Phase	V	380 / 400 / 415	380 / 400 / 415	380 / 400 / 415	380 / 400 / 415	380 / 400 / 415	380 / 400 / 415
Connection indoor / outdoor		mm <sup>2</sup>	2 x 1,5 or 2,5	2 x 1,5 or 2,5	2 x 1,5 or 2,5	2 x 1,5 or 2,5	—	—
Air volume	Cool / Heat	m <sup>3</sup> /min	61 / 60	118 / 108	125 / 122	129 / 116	164 / 164	160 / 160
Sound pressure	Cool / Heat (Hi)	dB(A)	48 / 50	52 / 52	53 / 53	54 / 54	59 / 61	59 / 63
Sound power	Cool / Heat (Hi)	dB	65 / 67	69 / 69	70 / 70	71 / 71	77 / 79	78 / 82
Dimension	H x W x D	mm	996 x 940 x 340	1416 x 940 x 340	1416 x 940 x 340	1416 x 940 x 340	1500 x 980 x 370	1500 x 980 x 370
Net weight		kg	68	99	99	99	117	128
Piping connections	Liquid pipe	Inch (mm)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)	1/2 (12,70)
	Gas pipe	Inch (mm)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)	1 (25,40)	1 (25,40)
Pipe length range	Min ~ Max	m	5 ~ 50	5 ~ 85	5 ~ 85	5 ~ 85	5 ~ 80	5 ~ 60
Elevation difference (in/out)	Max	m	30	30	30	30	30	30
Pipe length for additional gas		m	30	30	30	30	30	30
Additional gas amount		g/m	45	45	45	45	60	80
Refrigerant (R32) / CO <sub>2</sub> Eq.		kg / T	1,95 / 1,316	3,05 / 2,059	3,05 / 2,059	3,05 / 2,059	4,20 / 2,835	5,20 / 3,51
Operating range	Cool Min ~ Max	°C	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46
	Heat Min ~ Max	°C	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24

1) These models will be available in Winter 2018. 2) These models will be available in May 2019. Tentative data.

**PACi Standard Outdoor Units • R32 Gas**

			7,10kW	10,00kW	12,50kW	14,00kW
<b>Outdoor unit Single Phase</b>			<b>U-71PZ2E5</b>	<b>U-100PZ2E5</b>	<b>U-125PZ2E5</b>	<b>U-140PZ2E5</b>
<b>Outdoor unit Three Phase</b>			—	<b>U-100PZ2E8</b>	<b>U-125PZ2E8</b>	<b>U-140PZ2E8</b>
Cooling capacity	Nominal (Min - Max)	kW	7,10	10,00 (3,00 - 11,50)	12,50 (3,20 - 13,50)	14,00 (3,30 - 15,00)
Heating capacity	Nominal (Min - Max)	kW	7,10	10,00 (3,00 - 14,00)	12,50 (3,30 - 15,00)	14,00 (3,40 - 16,00)
Power source	Single Phase	V	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240
	Three Phase	V	—	380 / 400 / 415	380 / 400 / 415	380 / 400 / 415
Connection indoor / outdoor		mm <sup>2</sup>	2 x 1,5 or 2,5	2 x 1,5 or 2,5	2 x 1,5 or 2,5	2 x 1,5 or 2,5
Air volume	Cool / Heat	m <sup>3</sup> /min	50 / 45	76 / 70	86 / 78	89 / 83
Sound pressure	Cool / Heat (Hi)	dB(A)	49 / 49	52 / 52	55 / 55	56 / 56
Sound power	Cool / Heat (Hi)	dB	69 / 69	70 / 70	73 / 73	74 / 74
Dimension	H x W x D	mm	695 x 875 x 320	996 x 980 x 370	996 x 980 x 370	996 x 980 x 370
Net weight		kg	44	90	94	94
Piping connections	Liquid pipe	Inch (mm)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)
	Gas pipe	Inch (mm)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)
Pipe length range	Min ~ Max	m	3 ~ 40	5 ~ 50	5 ~ 50	5 ~ 50
Elevation difference (in/out)	Max	m	30	30	30	30
Pipe length for additional gas		m	30	30	30	30
Additional gas amount		g/m	35	45	45	45
Refrigerant (R32) / CO <sub>2</sub> Eq.		kg / T	1,45 / 0,979	2,60 / 1,755	2,98 / 2,0115	2,98 / 2,0115
Operating range	Cool Min ~ Max	°C	-10 ~ +43	-10 ~ +43	-10 ~ +43	-10 ~ +43
	Heat Min ~ Max	°C	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24

**PACi Standard from 7,10 to 14,00kW Single/Simultaneous operation system combinations • R32 GAS and • R410A GAS**

Indoor	Outdoor			
	7,10kW	10,00kW	12,50kW	14,00kW
3,60kW	Twin <sup>1)</sup> U-71 S-36 S-36			
5,00kW		Twin U-100 S-50 S-50		
6,00kW			Twin U-125 S-60 S-60	
7,10kW	Single <sup>2)</sup> U-71 S-71			Twin U-140 S-71 S-71
10,00kW		Single <sup>2)</sup> U-100 S-100		
12,50kW			Single <sup>2)</sup> U-125 S-125	
14,00kW				Single <sup>2)</sup> U-140 S-140

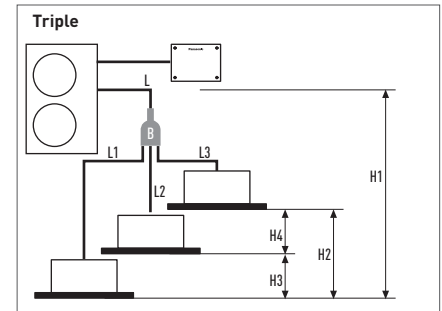
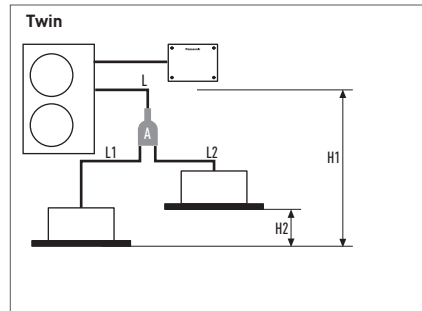
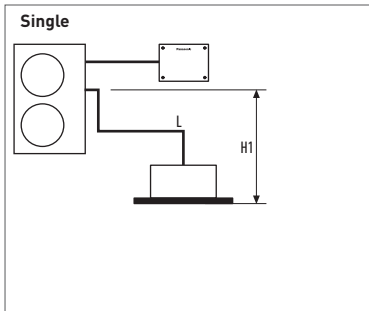
**PACi Elite from 7,10 to 14,00kW Single/Simultaneous operation system combinations • R32 GAS and • R410A GAS**

Indoor	Outdoor			
	7,10kW	10,00kW	12,50kW	14,00kW
3,60kW	Twin U-71 S-36 S-36	Triple U-100 S-36 S-36 S-36	Double-Twin U-125 S-36 S-36 S-36 S-36	
4,50kW			Triple U-125 S-45 S-45 S-45	
5,00kW		Twin U-100 S-50 S-50		Triple U-140 S-50 S-50 S-50
6,00kW			Twin U-125 S-60 S-60	
7,10kW	Single <sup>2)</sup> U-71 S-71			Twin U-140 S-71 S-71
10,00kW		Single <sup>2)</sup> U-100 S-100		
12,50kW			Single <sup>2)</sup> U-125 S-125	
14,00kW				Single <sup>2)</sup> U-140 S-140

**PACi Elite from 20,00 to 25,00kW Single/Simultaneous operation system combinations • R32 GAS and • R410A GAS**

Indoor	Outdoor	
	20,00kW	25,00kW
5,00kW	Double-Twin U-200 S-50 S-50 S-50 S-50	
6,00kW		Double-Twin U-250 S-60 S-60 S-60 S-60
7,10kW	Triple U-200 S-71 S-71 S-71	
10,00kW	Twin U-200 S-100 S-100	
12,50kW		Twin U-250 S-125 S-125
20,00kW	Single <sup>2)</sup> U-200 S-200	
25,00kW		Single <sup>2)</sup> U-250 S-250

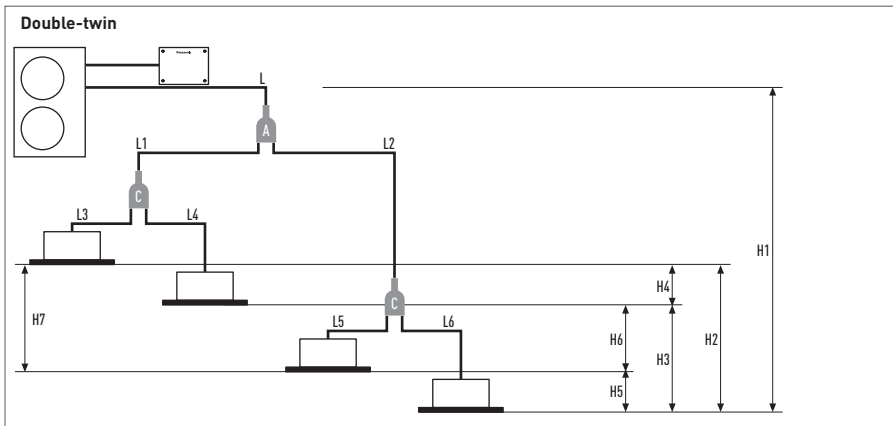
1) Available for only PZ (R32) model with limitations of main pipe and branch pipe. Please contact an authorized Panasonic dealer. 2) PACi 1x1 Kit solution.



**PACi Standard Twin System from 7,10 to 14,00kW**  
Joint distribution (sold separately)  
A= CZ-P224BK2BM

**PACi Elite Twin, Triple and Double-Twin System from 7,10 to 14,00kW**  
Joint distribution (sold separately)  
A= CZ-P224BK2BM  
B= CZ-P3HPC2BM  
C= CZ-P224BK2BM

**PACi Elite Twin, Triple and Double-Twin System from 20,0 to 25,00kW**  
Joint distribution (sold separately)  
A= CZ-P680BK2BM  
B= CZ-P3HPC2BM  
C= CZ-P224BK2BM



Twin System	PACi Standard Single and Twin System from 7,10 to 14,00kW			PACi Elite Twin, Triple and Double-Twin System from 7,10 to 25kW					
	Single	Twin	Equivalent lengths and height differences (m) for outdoor unit sizes...	Indoor unit combinations (see examples above)				Equivalent lengths and height differences (m) for outdoor unit sizes from 7,10 to 14,00kW	Equivalent lengths and height differences (m) for outdoor unit sizes from 20,00 to 25,00kW
				Single	Twin	Triple	Double-Twin		
Total pipe length	L	L + L1 + L2	≤ 50m	L	L + L1 + L2	L + L1 + L2 + L3	L + L1 + L2 + L3 + L4 + L5 + L6	U-60/U-71: ≤ 50m U-100/125/140: ≤ 75m	U-200: ≤ 100m U-250: ≤ 80m
Maximum pipe length from outdoor unit to most distant indoor unit	-	-	-	-	L + L1 or L + L2	L + L1 or L + L2 or L + L3	L + L1 + L3 or L + L1 + L4 or L + L2 + L5 or L + L2 + L6	-	U-200: 90m U-250: 60m
Maximum branch pipe length	-	L1 L2	≤ 15	-	L1 or L2	L1 or L2 or L3	L1 + L3 or L1 + L4 or L2 + L5 or L2 + L6	≤ 15m	≤ 20m
Maximum branch pipe length differences	-	L1 > L2 L1 - L2	≤ 10	-	L1 > L2: L1 - L2	L1 > L2 > L3: L1 - L2 L2 - L3 L1 - L3	L2 + L6 (Max.) L1 + L3 (Min.): (L2 + L6) - (L1 + L3)	≤ 10m	≤ 10m
Maximum pipe length differences after first branch (Double-Twin)	-	-	-	-	-	-	L2 > L1: L2 - L1	≤ 10m	≤ 10m
Maximum pipe length differences after second branch (Double-Twin)	-	-	-	-	-	-	L4 > L3: L4 - L3 L6 > L5: L6 - L5	≤ 10m	≤ 10m
Height difference (outdoor unit located higher)	H1	H1	≤ 30	H1	H1	H1	H1	≤ 30m	≤ 30m
Height difference (outdoor unit located lower)	H1	H1	≤ 15	H1	H1	H1	H1	≤ 15m	≤ 15m
Height difference between indoor units	-	H2	≤ 0,5	-	H2	H2 or H3 or H4	H2 or H3 or H4 or H5 or H6	≤ 0,5m	≤ 0,5m

Twin System	PACi Standard Single and Twin System from 7,10 to 14,00kW				PACi Elite Twin, Triple and Double-Twin System from 7,10 to 14,00kW						PACi Elite Twin, Triple and Double-Twin System from 20,00 to 25,00kW				
	Outdoor unit main pipe diameter (L)		Indoor unit connection tube (L1, L2)		Outdoor unit main pipe diameter (L)	Indoor unit connection pipe diameter (L1, L2, L3, L4) (mm)					Outdoor unit main pipe diameter (L) (mm)		Double-Twin distribution pipe (L1, L2) <sup>1)</sup>		Indoor unit connection pipe diameter <sup>2)</sup>
Unit type capacity	100	125	50	60	71 - 140	36	45	50	60	71	200	250	100 - 125	50	60 - 125
Liquid pipe (mm)	Ø 9,52	Ø 12,70	Ø 6,35	Ø 9,52	Ø 9,52	Ø 6,35	Ø 6,35	Ø 6,35	Ø 9,52	Ø 9,52	Ø 9,52	Ø 12,70	Ø 9,52	Ø 6,35	Ø 9,52
Gas pipe (mm)	Ø 15,88	Ø 15,88	Ø 12,70	Ø 15,88	Ø 15,88	Ø 12,70	Ø 12,70	Ø 12,70	Ø 15,88	Ø 15,88	Ø 25,40	Ø 25,40	Ø 15,88	Ø 12,70	Ø 15,88
Additional gas amount (g/m)	50	50	20	50	50	20	20	20	50	50	60	80	45	20	45

1) Total capacity of indoor unit connected after the branch. 2) 4 Way Cassette type.

Make additional charges by adding up tube length in an order of main tube (L) → branch tube (L1 → L2 → L3 wide diameter) and then selecting the amount of refrigerant corresponding to the remaining (after charge-less tube length : 30m) liquid tube diameter and tube length from the above table.