



PACi Single, Twin, Triple and Double-Twin System

With this system, a single outdoor unit can split capacity for up to 4 indoor areas simultaneously. This makes the system particularly apt for common areas. It reduces noise concentration and enables the same temperature to be reached around the room. A mix of indoor units can be installed (wall, cassette, duct, ceiling) in one system.

PACi Standard Single and Twin System from 10.0 to 12.5 kW

Up to 2 indoor units connectable on the same outdoor. Panasonic's PACi units can be installed as single and twin systems. The indoor units can be combined following the selection table. The operation will always be simultaneous. All the indoor units will work with the same settings.

PACi Elite Twin, Triple and Double-Twin System from 7.1 to 14.0 kW

Up to 4 indoor units can be connected to the same outdoor unit. Panasonic's PACi units 71, 100, 125 and 140 can be installed as twin, triple and double-twin systems. The indoor units can be combined as per the selection table. The operation will always be simultaneous. All the indoor units will work with the same settings.

Big PACi Elite Twin, Triple and Double-Twin System from 20.0 to 25.0 kW

Up to 4 indoor units can be connected to the same outdoor unit. Panasonic's PACi units 200 and 250 can be installed as twin, triple and double-twin systems. The indoor units can be combined as per the selection table. The operation will always be simultaneous. All the indoor units will work with the same settings.

Indoor unit capacities

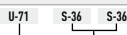
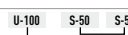
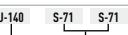
Capacity	Wall	4 Way 60x60 Cassette	4 Way 90x90 Cassette	Low Static Pressure Hide Away	High Static Pressure Hide Away	Ceiling
						
3,6 kW	S-36PK1E5A	S-36PY2E5A	S-36PU1E5A	S-36PN1E5A	S-36PF1E5A	S-36PT2E5A
4,5 kW	S-45PK1E5A	S-45PY2E5A	S-45PU1E5A	S-45PN1E5A	S-45PF1E5A	S-45PT2E5A
5,0 kW	S-50PK1E5A	S-50PY2E5A	S-50PU1E5A	S-50PN1E5A	S-50PF1E5A	S-50PT2E5A
6,0 kW	S-60PK1E5A		S-60PU1E5A	S-60PN1E5A	S-60PF1E5A	S-60PT2E5A
7,1 kW	S-71PK1E5A		S-71PU1E5A	S-71PN1E5A	S-71PF1E5A	S-71PT2E5A
10,0 kW	S-100PK1E5A		S-100PU1E5A	S-100PN1E5A	S-100PF1E5A	S-100PT2E5A
12,5 kW			S-125PU1E5A	S-125PN1E5A	S-125PF1E5A	S-125PT2E5A

Outdoor unit capacities

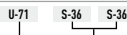
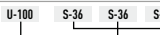
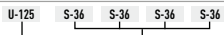
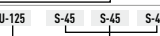
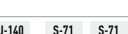
Capacity	PACi Standard Single and Twin System	PACi Elite Twin, Triple and Double-Twin System from 7.1 to 14.0 kW	PACi Elite Twin, Triple and Double-Twin System from 20.0 to 25.0 kW
			
7.1 kW	U-71PEY1E5	U-71PE1E5A // U-71PE1E8A	
10.0 kW	U-100PEY1E5 // U-100PEY1E8		U-100PE1E5A // U-100PE1E8A
12.5 kW	U-125PEY1E5 // U-125PEY1E8		U-125PE1E5A // U-125PE1E8A
14.0 kW	U-140PEY1E8		U-140PE1E5A // U-140PE1E8A
20.0 kW			U-200PE1E8
25.0 kW			U-250PE1E8

U-__1E5 Single Phase // U-__1E8 Three Phase

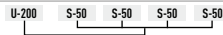
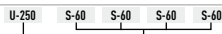
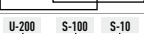
PACi Standard Single/Simultaneous operation system combinations

kW	Outdoor				
Indoor	7.1	10.0	12.5	14.0	
3.6	Twin 				
5.0		Twin 			
6.0			Twin 		
7.1	Single ¹ 			Twin 	
10.0		Single ¹ 			
12.5			Single ¹ 		
14.0				Single ¹ 	

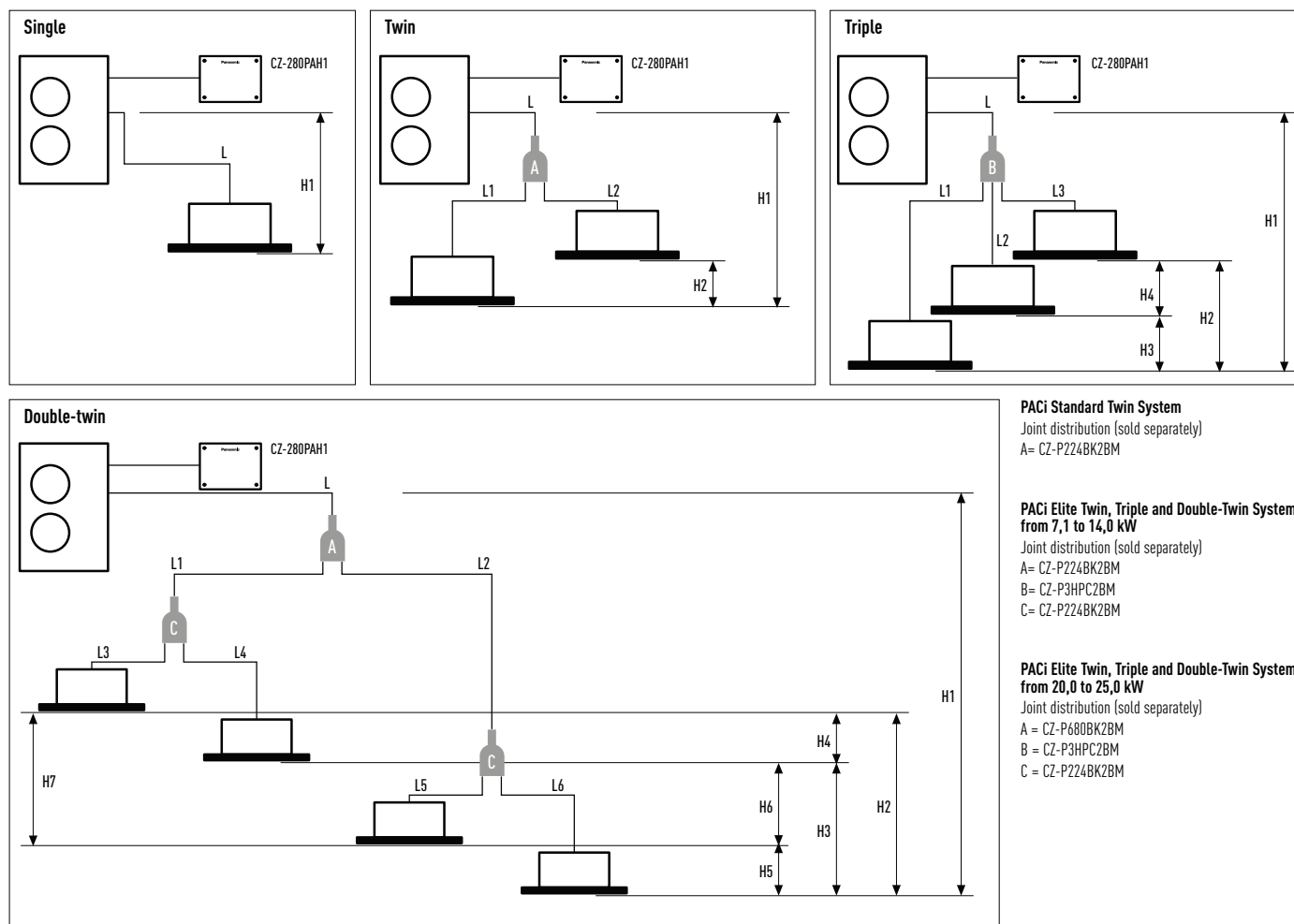
PACi Elite from 7.1 to 14.0 kW Single/Simultaneous operation system combinations

kW	Outdoor				
Indoor	7.1	10.0	12.5	14.0	
3.6	Twin 	Triple 	Double-Twin 		
4.5			Triple 		
5.0		Twin 		Triple 	
6.0			Twin 		
7.1	Single ¹ 			Twin 	
10.0		Single ¹ 			
12.5			Single ¹ 		
14.0				Single ¹ 	

PACi Elite from 20.0 to 25.0 kW Single/Simultaneous operation system combinations

kW	Outdoor		
Indoor	20.0	25.0	
5.0	Double-Twin 		
6.0		Double-Twin 	
7.1	Triple 		
10.0	Twin 		
12.5		Twin 	
20.0	Single ¹ 		
25.0		Single ¹ 	

1. PACi 1x1 Kit solution.



Twin System	PACi Standard Single and Twin System			PACi Elite Twin, Triple and Double-Twin System from 7.1 to 25 kW					Equivalent lengths and height differences (m) for outdoor unit sizes from 7.1 to 14.0 kW	Equivalent lengths and height differences (m) for outdoor unit sizes from 20.0 to 25.0 kW
	Indoor unit combinations (see examples above)		Equivalent lengths and height differences (m) for outdoor unit sizes...	Indoor unit combinations (see examples above)						
	Single	Twin		Single	Twin	Triple	Double-Twin			
Total pipe length	L	L + L1 + L2	≤ 50 m	L	L + L1 + L2	L + L1 + L2 + L3	L + L1 + L2 + L3 + L4 + L5 + L6	U-60/U-71: ≤ 50 m U-100/125/140: ≤ 75 m	≤ 100 m	
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	–	≤ 100 m	
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	≤ 15 m	≤ 20 m	
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)	≤ 10 m	≤ 10 m	
Maximum pipe length differences after first branch (Double-Twin)	–	–	–	–	–	–	L2 > L1: L2 - L1	≤ 10 m	≤ 10 m	
Maximum pipe length differences after second branch (Double-Twin)	–	–	–	–	–	–	L4 > L3: L4 - L3 L6 > L5: L6 - L5	≤ 10 m	≤ 10 m	
Height difference (outdoor unit located higher)	H1	H1	≤ 30	H1	H1	H1	H1	≤ 30 m	≤ 30 m	
Height difference (outdoor unit located lower)	H1	H1	≤ 15	H1	H1	H1	H1	≤ 15 m	≤ 15 m	
Height difference between indoor units	–	H2	≤ 0.5	–	H2	H2 or H3 or H4	H2 or H3 or H4 or H5 or H6	≤ 0.5 m	≤ 0.5 m	

Twin System	PACi Standard Single and Twin System				PACi Elite Twin, Triple and Double-Twin System from 7.1 to 14.0 kW						PACi Elite Twin, Triple and Double-Twin System from 20.0 to 25.0 kW				
	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) ¹	Indoor unit connection pipe diameter	
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 12.7	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 12.7	Ø 9.52	Ø 6.35	Ø 9.52
Gas pipe (mm)	Ø 15.88	Ø 15.88	Ø 12.7	Ø 15.88	Ø 15.88	Ø 12.70	Ø 12.70	Ø 12.70	Ø 15.88	Ø 15.88	Ø 25.4	Ø 25.4	Ø 15.88	Ø 12.7	Ø 15.88
Additional gas amount (g/m)	50	50	20	50	50	20	20	20	50	50	40	80	40	20	40

1. Total capacity of indoor unit connected after the branch

Refrigerant charging: For the twin connection, the amount of refrigerant required for pipe length 30 m has been included in this unit at the factory while that required for pipe length 20 m has been included for the Triple / Double-Twin connections.
No Additional gas amount is required for the first 30 m pipe length in the case of the twin connection and for the first 20 m in the case of the Triple / Double-Twin connections. The amount of included refrigerant for each model is listed on NAMA PLATE.
Make Additional gas amounts by adding up pipe length in an order of main (L branch pipe), (L1, L2, L3 wide diameter) and then selecting the amount of refrigerant corresponding to the remaining (after 30 m for the Twin connection and after 20 m for the Triple / Double-Twin connections) liquid side pipe diameter and pipe length from the below table.



Optional Controller.
Wired remote controller
CZ-RTC5



Optional Controller.
Timer remote controller
CZ-RTC4



Optional Controller.
Wireless remote controller
Various type.



Optional Controller.
Simplified remote controller
CZ-REZC2

Compatible with all Panasonic connectivity solutions. For detailed information go to the Control Systems section.

Compatible Indoor Units			3.6 kW	4.5 kW	5.0 kW	6.0 kW	7.1 kW	10.0 kW	12.5 kW	
Capacity for all indoor units	Cooling	kW	3.6	4.5	5.0	6.0	7.1	10.0	12.5	
	Heating	kW	4.2	5.2	5.6	7.0	8.0	11.2	14.0	

Wall			S-36PK1E5A	S-45PK1E5A	S-50PK1E5A	S-60PK1E5A	S-71PK1E5A	S-100PK1E5A
Dimensions	H x W x D	mm	300 x 1,065 x 230	300 x 1,065 x 230	300 x 1,065 x 230	300 x 1,065 x 230	300 x 1,065 x 230	300 x 1,065 x 230
Sound pressure level	Cooling (Hi / Me / Lo)	dB(A)	35 / 31 / 27	38 / 34 / 30	40 / 36 / 32	47 / 44 / 40	47 / 44 / 40	47 / 44 / 40
	Heating (Hi / Me / Lo)	dB(A)	35 / 31 / 27	38 / 34 / 30	40 / 36 / 32	47 / 44 / 40	47 / 44 / 40	47 / 44 / 40
Air volume	Cooling (Hi / Me / Lo)	m³/h	660 / 570 / 450	720 / 630 / 510	840 / 720 / 630	1,080 / 870 / 690	1,080 / 870 / 690	1,140 / 990 / 780
	Heating (Hi / Me / Lo)	m³/h	660 / 570 / 450	720 / 630 / 510	840 / 720 / 630	1,080 / 870 / 690	1,080 / 870 / 690	1,140 / 990 / 780

4 Way 60x60 Cassette			S-36PY2E5A	S-45PY2E5A	S-50PY2E5A
Panel			CZ-KPY3A / CZ-KPY3B	CZ-KPY3A / CZ-KPY3B	CZ-KPY3A / CZ-KPY3B
Dimensions (H x W x D)	Indoor	mm	288 x 583 x 583	288 x 583 x 583	288 x 583 x 583
	Panel CZ-KPY3A	mm	31 x 700 x 700	31 x 700 x 700	31 x 700 x 700
	Panel CZ-KPY3B	mm	31 x 625 x 625	31 x 625 x 625	31 x 625 x 625
Sound pressure level	Cooling (Hi / Me / Lo)	dB(A)	36 / 32 / 26	38 / 34 / 28	40 / 37 / 33
	Heating (Hi / Me / Lo)	dB(A)	36 / 32 / 26	38 / 34 / 28	40 / 37 / 33
Air volume	Cooling / Heating	m³/h	582 / 594	600 / 618	666 / 666

4 Way 90x90 Cassette			S-36PU1E5A	S-45PU1E5A	S-50PU1E5A	S-60PU1E5A	S-71PU1E5A	S-100PU1E5A	S-125PU1E5A	S-140PU1E5A
Panel			CZ-KPU21	CZ-KPU21	CZ-KPU21	CZ-KPU21	CZ-KPU21	CZ-KPU21	CZ-KPU21	CZ-KPU21
Dimensions	Indoor H x W x D	mm	256 x 840 x 840	256 x 840 x 840	256 x 840 x 840	256 x 840 x 840	256 x 840 x 840	319 x 840 x 840	319 x 840 x 840	319 x 840 x 840
	Panel H x W x D	mm	33.5 x 950 x 950	33.5 x 950 x 950	33.5 x 950 x 950	33.5 x 950 x 950	33.5 x 950 x 950	33.5 x 950 x 950	33.5 x 950 x 950	33.5 x 950 x 950
Sound pressure level	Cooling (Hi / Me / Lo)	dB(A)	30 / 28 / 27	31 / 28 / 27	32 / 29 / 27	36 / 31 / 28	37 / 31 / 28	44 / 38 / 32	45 / 39 / 33	46 / 40 / 34
	Heating (Hi / Me / Lo)	dB(A)	30 / 28 / 27	31 / 28 / 27	32 / 29 / 27	36 / 31 / 28	37 / 31 / 28	44 / 38 / 32	45 / 39 / 33	46 / 40 / 34
Air volume	Cooling (Hi / Me / Lo)	m³/h	840 / 780 / 720	900 / 780 / 720	960 / 810 / 720	1,260 / 1,020 / 840	1,320 / 1,020 / 840	1,980 / 1,620 / 1,260	2,100 / 1,680 / 1,320	2,160 / 1,740 / 1,380
	Heating (Hi / Me / Lo)	m³/h	840 / 780 / 720	900 / 780 / 720	960 / 810 / 720	1,260 / 1,020 / 840	1,320 / 1,020 / 840	1,980 / 1,620 / 1,260	2,100 / 1,680 / 1,320	2,160 / 1,740 / 1,380

Low Static Pressure Hide Away			S-36PN1E5A	S-45PN1E5A	S-50PN1E5A	S-60PN1E5A	S-71PN1E5A	S-100PN1E5A	S-125PN1E5A	S-140PN1E5A
Dimensions	H x W x D	mm	250 x 780 x 650	250 x 780 x 650	250 x 780 x 650	250 x 1,000 x 650	250 x 1,000 x 650	250 x 1,200 x 650	250 x 1,200 x 650	250 x 1,200 x 650
Sound pressure level	Cooling (Hi / Me / Lo)	dB(A)	40 / 38 / 35	41 / 39 / 35	41 / 39 / 35	43 / 41 / 36	43 / 41 / 36	44 / 42 / 37	46 / 44 / 39	46 / 44 / 39
	Heating (Hi / Me / Lo)	dB(A)	40 / 38 / 35	41 / 39 / 35	41 / 39 / 35	43 / 41 / 36	43 / 41 / 36	44 / 42 / 37	46 / 44 / 39	46 / 44 / 39
External static pressure	High / Medium / Low	Pa	80 / 50 / 10	80 / 50 / 10	80 / 50 / 10	80 / 50 / 10	80 / 50 / 10	80 / 50 / 10	80 / 50 / 10	80 / 50 / 10
Air volume	Cooling / Heating	m³/h	840 / 840	960 / 960	960 / 960	1,320 / 1,320	1,320 / 1,320	2,160 / 2,160	2,280 / 2,280	2,400 / 2,400

Hide Away High Static Pressure			S-36PF1E5A	S-45PF1E5A	S-50PF1E5A	S-60PF1E5A	S-71PF1E5A	S-100PF1E5A	S-125PF1E5A	S-140PF1E5A
Dimensions	H x W x D	mm	290 x 800 x 700	290 x 800 x 700	290 x 800 x 700	290 x 1,000 x 700	290 x 1,000 x 700	290 x 1,400 x 700	290 x 1,400 x 700	290 x 1,400 x 700
Sound pressure level	Cooling (Hi / Me / Lo)	dB(A)	33 / 29 / 25	34 / 30 / 26	34 / 30 / 26	35 / 32 / 26	35 / 32 / 26	38 / 34 / 31	39 / 35 / 32	40 / 36 / 33
	Heating (Hi / Me / Lo)	dB(A)	33 / 29 / 25	34 / 30 / 26	34 / 30 / 26	35 / 32 / 26	35 / 32 / 26	38 / 34 / 31	39 / 35 / 32	40 / 36 / 33
External static pressure	High / Medium / Low	Pa	150 / 70 / 10	150 / 70 / 10	150 / 70 / 10	150 / 70 / 10	150 / 70 / 10	150 / 100 / 10	150 / 100 / 10	150 / 100 / 10
Air volume	Cooling (Hi / Me / Lo)	m³/h	840 / 780 / 600	840 / 780 / 600	960 / 900 / 720	1,260 / 1,140 / 900	1,260 / 1,140 / 900	1,920 / 1,560 / 1,260	2,040 / 1,740 / 1,380	2,160 / 1,920 / 1,500
	Heating (Hi / Me / Lo)	m³/h	840 / 780 / 600	840 / 780 / 600	960 / 900 / 720	1,260 / 1,140 / 900	1,260 / 1,140 / 900	1,920 / 1,560 / 1,260	2,040 / 1,740 / 1,380	2,160 / 1,920 / 1,500

Ceiling			S-36PT2E5A	S-45PT2E5A	S-50PT2E5A	S-60PT2E5A	S-71PT2E5A	S-100PT2E5A	S-125PT2E5A	S-140PT2E5A
Dimensions	H x W x D	mm	235 x 960 x 690	235 x 960 x 690	235 x 960 x 690	235 x 1,275 x 690	235 x 1,275 x 690	235 x 1,590 x 690	235 x 1,590 x 690	235 x 1,590 x 690
Sound pressure level	Cooling (Hi / Me / Lo)	dB(A)	35 / 32 / 30	38 / 33 / 30	38 / 33 / 30	39 / 36 / 33	39 / 36 / 33	42 / 38 / 35	45 / 40 / 37	47 / 41 / 37
	Heating (Hi / Me / Lo)	dB(A)	36 / 32 / 30	39 / 34 / 30	39 / 34 / 30	40 / 36 / 33	40 / 36 / 33	42 / 38 / 35	46 / 41 / 38	47 / 41 / 37
Air volume	Cooling (Hi / Me / Lo)	m³/h	840 / 720 / 630	900 / 750 / 630	900 / 750 / 630	1,200 / 1,020 / 870	1,260 / 1,080 / 930	1,800 / 1,500 / 1,380	2,040 / 1,680 / 1,440	2,100 / 1,740 / 1,500
	Heating (Hi / Me / Lo)	m³/h	840 / 720 / 630	900 / 750 / 630	900 / 750 / 630	1,200 / 1,020 / 870	1,260 / 1,080 / 930	1,800 / 1,500 / 1,380	2,040 / 1,680 / 1,440	2,100 / 1,740 / 1,500

Compatible Outdoor Units			7.1 kW	10.0 kW	12.5 kW	14.0 kW	7.1 kW	10.0 kW	12.5 kW	14.0 kW	20.0 kW	25.0 kW
Outdoor Single Phase			U-71PEY1E5	U-100PEY1E5	U-125PEY1E5	—	U-71PE1E5A	U-100PE1E5A	U-125PE1E5A	U-140PE1E5A	—	—
Outdoor Three Phase			—	U-100PEY1E8	U-125PEY1E8	U-140PEY1E8	U-71PE1E8A	U-100PE1E8A	U-125PE1E8A	U-140PE1E8A	U-200PE1E8	U-250PE1E8
Cooling capacity	Nominal (Min - Max)	kW	7.1 (2.0 - 7.7)	10.0 (2.7 - 11.5)	12.5 (3.8 - 13.5)	14.0 (3.3 - 15.5)	7.1 (2.5 - 8.0)	10.0 (3.3 - 12.5)	12.5 (3.3 - 14.0)	14.0 (3.3 - 15.5)	20.0 (6.0 - 22.4)	25.0 (6.0 - 28.0)
Heating capacity	Nominal (Min - Max)	kW	7.1 (1.8 - 8.1)	10.0 (2.1 - 13.8)	12.5 (3.4 - 15.0)	14.0 (4.1 - 16.0)	8.0 (2.0 - 9.0)	11.2 (4.1 - 14.0)	14.0 (4.1 - 16.0)	16.0 (4.1 - 18.0)	21.8 (6.0 - 22.4)	28.0 (6.0 - 31.5)
Power source	Single Phase	V	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240	220 / 240	220 / 240	220 / 240	220 / 240	—	—
	Three Phase	V	—	380 / 400 / 415	380 / 400 / 415	380 / 415	380 / 415	380 / 415	380 / 415	380 / 415	380 / 415	380 / 415
Connection		mm²	2.50	4.00	6.00	2.50	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	Cooling / Heating	m³/h	2,340	4,560 / 4,020	4,800 / 4,380	8,100 / 7,200	3,600 / 3,600	6,600 / 5,700	7,800 / 6,600	8,100 / 7,200	7,740	7,080
Sound pressure level	Cooling / Heating (Hi)	dB(A)	50 / 52	54 / 54	56 / 56	54 / 53	48 / 50	52 / 52	53 / 53	54 / 55	57 / 57	57 / 58
Sound power level	Cooling / Heating (Hi)	dB	70 / 70	70 / 70	73 / 73	71 / 70	65 / 67	69 / 69	70 / 70	71 / 71	72	73
Dimensions	H x W x D	mm	569x790x285	996x940x340	996x940x340	1,416x940x340	996x940x340	1,416x940x340	1,416x940x340	1,416x940x340	1526x940x340	1526x940x340
Net weight		kg	42	73	85	98	69	98	98	98	118	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)	3/8 (9.52)	3/8 (9.52)	3/8 (9.52)	3/8 (9.52)	1/2 (12.7)
	Gas pipe	Inch (mm)	5/8 (15.88)	5/8 (15.88)	5/8 (15.88)	5/8 (15.88)	5/8 (15.88)	5/8 (15.88)	5/8 (15.88)	5/8 (15.88)	1 (25.4)	1 (25.4)
Refrigerant Loading	R410A	kg	1.7	2.60	3.20	3.4	2.35	3.4	3.4	3.4	5.3	6.5
Elevation difference (in/out)	Max	m	30	30	30	30	30	30	30	30	30	30
Piping length	Min / Max	m	5 / 50	5 / 50	5 / 50	5 / 50	5 / 50	5 / 75	5 / 75	5 / 75	5 / 100	5 / 100
Operating range	Cooling Min / Max	°C	-10 / +43	-10 / +43	-10 / +43	-10 / +43	-15 / +46	-15 / +46	-15 / +46	-15 / +46	-15 / +43	-15 / +43
	Heating Min / Max	°C	-15 / +24	-15 / +24	-15 / +24	-15 / +24	-20 / +24	-20 / +24	-20 / +24	-20 / +24	-20 / +15	-20 / +15