







Possible outdoor/indoor units combinations














Combinations	Models	Capacity connected (Min-Max)	Piping connections		Pipe length					Indoor Unit Capacities									
			Liquid pipe (Inch)	Gas pipe (Inch)	Max. pipe length (1 room)	Max. pipe length (total)	Precharge length	Additional charge	Elevation difference (in/out)	5 1.6 kW	7 2.0 kW	9 2.5 kW	9 2.8 kW	12 3.2 kW	15 4.0 kW	18 5.0 kW	21 6.8 kW	24 7.1 kW	
For 2 indoor units		3.2-5.6 kW	1/4	3/8	20 m	30 m	20 m	20 g/m	10 m	✓	✓	✓	✓	✓					
For 2 indoor units		3.2-6.4 kW	1/4	3/8	20 m	30 m	20 m	20 g/m	10 m	✓	✓	✓	✓	✓					
For 3 indoor units		4.5-9.0 kW	1/4	3/8	25 m	50 m	30 m	20 g/m	15 m	✓	✓	✓	✓	✓	✓	✓			
For 4 indoor units		4.5-11.0 kW	1/4	3/8	25 m	60 m	30 m	20 g/m	15 m	✓	✓	✓	✓	✓	✓	✓	✓		
For 4 indoor units		4.5-13.6 kW	1/4	3/8	25 m	70 m	40 m	20 g/m	15 m		✓	✓	✓	✓	✓	✓	✓	✓	✓
For 5 indoor units		4.5-17.5 kW	1/4	3/8	30 m	80 m	45 m	20 g/m	15 m			✓	✓	✓	✓	✓	✓	✓	✓



INTERNET CONTROL Reference: PA-AC-wifi-1 (Optional only for Ethera).

Control your air conditioning from wherever you are at home. Control your comfort and efficiency with the lowest energy consumption

Control your environment from your iPad, iPhone, any Android device or from a PC with Internet access using this add-on service. Offering the same functions as if you were at home: start/stop, Mode Operation, Set Temperature, Room Temperature etc. Experience the new, advanced functionality provided by Panasonic to achieve the best comfort and efficiency with the lowest energy consumption.

 <p>Internet Control Ready</p> <p>CONTROL YOUR AIR CONDITIONING FROM EVERYWHERE</p>	 <p>7.0 A++ SEER</p> <p>SEASONAL ENERGY EFFICIENCY RATIO</p>	 <p>4.0 A+ SCOP*</p> <p>SEASONAL COEFFICIENT OF PERFORMANCE</p>	 <p>Air purifier</p> <p>99% removal bacteria-virus-mold</p> <p>nanoe-x</p>	 <p>Up to 38% energy savings (cooling)</p> <p>ECONAVI</p>	 <p>Improved comfort</p> <p>AUTOCOMFORT</p>	 <p>Perfect humidity control</p> <p>MILD DRY</p>	 <p>Prevention allergen filter</p> <p>ANTI-BACTERIAL FILTER</p>	 <p>Silent air 23 dB</p> <p>SUPER QUIET</p>	 <p>Down to -15°C in heating mode</p> <p>OUTDOOR TEMPERATURE</p>	 <p>Easy control by BMS</p> <p>CONNECTIVITY</p>	 <p>R2</p>	 <p>5 year compressor warranty</p>
<p>Internet Control is a next generation system providing a user-friendly remote control of air conditioning or heat pump units from everywhere, using a simple Android or iOS smartphone, tablet or PC via internet.</p>	<p>Exceptional Seasonal Cooling Efficiency based on the new EER regulation. Higher the SEER ratings mean greater efficiency. Save all the year while cooling!</p>	<p>Exceptional Seasonal Heating Efficiency based on the new EER regulation. Higher the SCOP ratings mean greater efficiency. Save all the year while heating!</p>	<p>Nanoe-G utilises nano-technology fine particles to purify the air in the room. It works effectively on airborne micro-organisms such as bacteria, viruses and mould thus ensuring a cleaner living environment.</p>	<p>The sensor determines the human activity level and the position in the room and adjust the air flow orientation for maximum comfort and maximum savings.</p>	<p>The Autocomfort system detects conditions in the room and switches to energy saving operation when nobody is on the room.</p>	<p>The Perfect Humidity Air controls the humidity level in the air to prevent over-dryness.</p>	<p>The Anti Bacterial Filter eliminates the allergens it captures. It combines three functions in one (anti-allergen, anti-virus and anti-bacteria) to keep room air clean and healthy.</p>	<p>With Super Quiet technology our devices are as quiet as a library.</p>	<p>Down to -15 °C in heating mode The air conditioner works in heat pump mode with an outdoor temperature as low as -15 °C.</p>	<p>The communication port is integrated into the indoor unit and provides easy connection to, and control of, your Panasonic heat pump to your home or building management system.</p>	<p>New Panasonic R2 Rotary Compressor. Designed to withstand extreme conditions, Panasonic Rotary delivers high performance, efficiency and reliable service, no matter where you are.</p>	<p>5 Years Warranty. We guarantee the compressors in the entire range for five years.</p>

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To find out how Panasonic cares for you, log on to: www.aircon.panasonic.eu

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NEW

Panasonic



FREE MULTI SYSTEM, UP TO 5 INDOOR UNITS WITH A SINGLE OUTDOOR UNIT

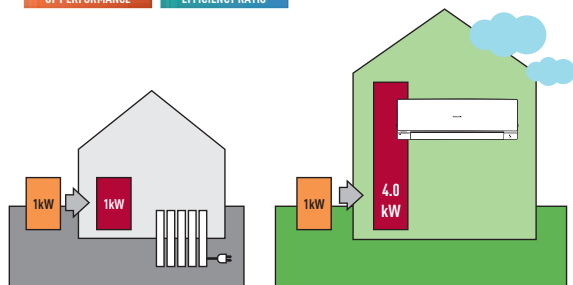
With Free Multi you can take care of 2, 3, 4 or 5 rooms with a single outdoor unit.



NEW
1.6 kW
INDOOR UNIT

Economical, environment-friendly operation High SCOP (Seasonal Coefficient of Performance)

Original Panasonic Inverter technology and a high performance compressor provide top-class operating efficiency. This lets you enjoy lower electricity bills while contributing to environmental protection.



* SCOP On heating mode compared with electrical heaters at +7°C.

**Up to
5 units**
connected at the time

Indoor Units for Free Multi combinations

Up to 5 indoor units with a single outdoor unit

Connect up to five different rooms with a single outdoor unit using the Free Multi system.

With Free Multi you can take care of 2, 3, 4 or 5 rooms with a single outdoor unit.

With the Free Multi range, your clients will be able to save space at the time of installing the outdoor unit, and they will have more energy efficiency than with various 1x1 systems. They will be able to save up to 30% of energy.



Technical focus

- High Efficiency (A+ in heating / A++ in cooling)
- Operates till -15 °C in heating, -10 °C in cooling
- 1.6 kW wall mounted unit for high insulated houses or offices
- 80 m maximum connection distance (for CU-5E34PBE)
- 15 m maximum elevation difference (for CU-5E34PBE)

INTERNET CONTROL READY: Optional.



Etherea // Silver or White			1.6 kW	2.0 kW	2.5 kW	3.2 kW	4.0 kW	5.0 kW	6.8 kW	8.0 kW
Silver Indoor			—	CS-XE7PKEW	CS-XE9PKEW	CS-XE12PKEW	CS-XE15PKEW	CS-XE18PKEW	CS-XE21PKEW	—
White Indoor			CS-ME5PKEW*	CS-E7PKEW	CS-E9PKEW	CS-E12PKEW	CS-E15PKEW	CS-E18PKEW	CS-E21PKEW	CS-E24PKEW
Cooling capacity	Nominal	kW/kCal/h	1.6 / 1,376	2.00 / 1,720	2.50 / 2,150	3.20 / 2,750	4.00 / 3,440	5.00 / 4,300	6.00 / 5,160	7.65 / 6,580
Heating capacity	Nominal	kW/kCal/h	2.6 / 2,236	3.20 / 2,750	3.60 / 3,010	4.50 / 3,870	5.60 / 4,820	6.80 / 5,850	8.50 / 7,310	9.60 / 8,260
Connection		mm ²	4 x 1.5	4 x 1.5	4 x 1.5	4 x 1.5	4 x 1.5	4 x 1.5	4 x 1.5	4 x 1.5
Sound pressure level ¹	Cooling - Heating (Hi/Lo/S-Lo)	dB(A)	39/29/23 - 39/29/23	40/26/23 - 40/26/23	40/26/23 - 40/26/23	44/32/26 - 44/32/26	44/32/26 - 44/33/32	46/33/30 - 46/35/32	46/33/30 - 46/35/32	49/38/35 - 48/38/35
Sound power level	Cooling - Heating (Hi)	dB	55 / 55	54 / 56	56 / 56	60 / 60	60 / 60	62 / 62	62 / 62	65 / 64
Dimensions	H x W x D	mm	295 x 870 x 255	295 x 870 x 255	295 x 870 x 255	295 x 870 x 255	295 x 870 x 255	290 x 1,070 x 255	290 x 1,070 x 255	290 x 1,070 x 255
Net weight		kg	9	9	9	9	9	12	12	12
Air purifier filter			Nanoe-G	Nanoe-G	Nanoe-G	Nanoe-G	Nanoe-G	Nanoe-G	Nanoe-G	Nanoe-G
Piping connections	Liquid pipe	inch (mm)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)
	Gas pipe	inch (mm)	3/8 (9.52)	3/8 (9.52)	3/8 (9.52)	3/8 (9.52)	1/2 (12.70)	1/2 (12.70)	1/2 (12.70)	5/8 (15.88)

* Only for connection with CU-2E15PBE, CU-2E18PBE, CU-3E18PBE and CU-4E23PBE.

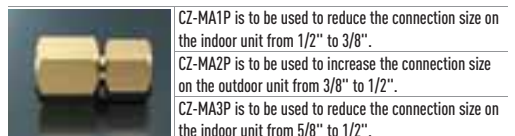


4 Way 60x60 Cassette			2.5 kW	3.2 kW	5.0 kW	6.0 kW
Indoor (from June 2013)			CS-ME9PB4E	CS-ME12PB4E	CS-ME18PB4E	CS-ME21PB4E
Panel	Sold separatel		CZ-BT20E	CZ-BT20E	CZ-BT20E	CZ-BT20E
Cooling capacity	Nominal	kW/kCal/h	2.50 / 2,150	4.00 / 3,440	5.00 / 4,300	6.00 / 5,160
Heating capacity	Nominal	kW/kCal/h	3.60 / 3,100	5.60 / 4,820	6.80 / 5,850	8.50 / 7,310
Connection		mm ²	4 x 1.5	4 x 1.5	4 x 1.5	4 x 1.5
Sound pressure level ¹	Cooling - Heating (Hi/Lo/S-Lo)	dB(A)	34 / 26 / 23 - 35 / 28 / 25	34 / 26 / 23 - 35 / 28 / 25	36 / 28 / 25 - 37 / 29 / 26	41 / 33 / 30 - 42 / 34 / 31
Sound power level	Cooling - Heating (Hi)	dB	47 / 58	47 / 48	49 / 50	54 / 55
Dimensions	Indoor (H x W x D)	mm	260 x 575 x 575	260 x 575 x 575	260 x 575 x 575	260 x 575 x 575
	Panel (H x W x D)	mm	51 x 700 x 700	51 x 700 x 700	51 x 700 x 700	51 x 700 x 700
Net weight	Indoor (Panel)	kg	18 (2.5)	18 (2.5)	18 (2.5)	18 (2.5)
Air purifier filter	Optional		CZ-SA22P	CZ-SA22P	CZ-SA22P	CZ-SA22P
Piping connections	Liquid pipe	inch (mm)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)
	Gas pipe	inch (mm)	3/8 (9.52)	1/2 (12.70)	1/2 (12.70)	1/2 (12.70)



Floor Console			2.8 kW	3.2 kW	5.0 kW
Indoor			CS-E9GFEW	CS-E12GFEW	CS-E18GFEW
Cooling capacity	Nominal	kW/kCal/h	2.80 / 2,410	3.20 / 2,750	5.00 / 4,300
Heating capacity	Nominal	kW/kCal/h	4.00 / 3,440	4.50 / 3,870	6.80 / 5,850
Connection		mm ²	4 x 1.5	4 x 1.5	4 x 1.5
Sound pressure level ¹	Cooling (Hi/Lo/S-Lo)	dB(A)	38 / 27 / 23	39 / 28 / 24	44 / 36 / 32
	Heating (Hi/Lo/S-Lo)	dB(A)	38 / 27 / 23	39 / 27 / 23	46 / 36 / 32
Sound power level	Cooling (Hi)	dB	54	55	60
	Heating (Hi)	dB	54	55	62
Dimensions	H x W x D	mm	600 x 700 x 210	600 x 700 x 210	600 x 700 x 210
Net weight		kg	14	14	14
Piping connections	Liquid pipe	inch (mm)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)
	Gas pipe	inch (mm)	3/8 (9.52)	3/8 (9.52)	1/2 (12.70)

Outdoor Multi combination model	Accessory needed	
CS-XE7***	CU-2E15***	Pipe reducer is not needed
CS-E7***	CU-2E18***	
CS-XE9***	CU-3E18***	
CS-E9***	CU-4E23***	
CS-XE12***	CU-4E27***	
CS-E12***	CU-5E34***	
CS-XE15***	CU-3E18***	CZ-MA1P
CS-E15***	CU-4E23***	
CS-XE18***	CU-4E27***	
CS-E18***	CU-5E34***	
CS-XE21***	CU-4E23***	CZ-MA2P
CS-E21***	CU-4E27***	
	CU-5E34***	
CS-E24***	CU-4E27***	CZ-MA2P and CZ-MA3P
	CU-5E34***	



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)

1) The Sound pressure level of the units shows the value measured of a position 1 meter in front of the main body. The sound pressure is measured in accordance with Eurovent 6/C/006-97 specification.

2) EER and COP classification is at 230 V in accordance with EU directive 2002/31/EC.

Specifications subject to change without notice.



INCLUDE ON THE
INDOOR UNIT

Low Static Pressure Hide Away			2.5 kW	3.2 kW	5.0 kW
Indoor (available from June 2013)			CS-ME9PD3E	CS-ME12PD3E	CS-ME18PD3E
Indoor (available until end of stock)			CS-E10KD3EA	CS-E15JD3EA	CS-E18JD3EA
Cooling capacity	Nominal	kW/kCal/h	2.50 / 2,150	4.00 / 3,440	5.00 / 4,300
Heating capacity	Nominal	kW/kCal/h	3.60 / 3,100	5.60 / 4,820	6.80 / 5,850
Connection		mm ²	4 x 1.5	4 x 1.5	4 x 1.5
External static pressure	Hi / Lo	Pa (mm)	34 / 64 (3.47 / 6.53)	34 / 69 (3.47 / 7.04)	34 / 78 (3.47 / 7.95)
Air Volume	Hi / Med / Lo	m ³ /h	414 / 402 / 330	474 / 402 / 330	624 / 528 / 444
Sound pressure level ¹	Cooling (Quiet/Lo/Hi)	dB(A)	24 / 27 / 31	24 / 27 / 33	27 / 30 / 41
	Heating (Quiet/Lo/Hi)	dB(A)	24 / 27 / 35	24 / 27 / 33	29 / 32 / 41
Sound power level	Cooling (Hi)	dB	49	49	57
	Heating (Hi)	dB	51	51	57
Dimensions	H x W x D	mm	235 x 750 (+65) x 370	235 x 750 (+65) x 370	285 x 750 (+65) x 370
Net weight		kg	17	18	18
Piping connections	Liquid pipe	inch (mm)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)
	Gas pipe	inch (mm)	3/8 (9.52)	1/2 (12.70)	1/2 (12.70)

Plenums				Air Inlet Plenum		
Air Outlet Plenum (without regulation adaptor)					Diameters	Model
CS-ME9PD3E/CS-E10KD3EA	2 x ø 160	CZ-DUMPAF10ES2	Outside Insulated	CS-ME9PD3E/CS-E10KD3EA	2 x ø 200	CZ-DUMPAF10ER2
CS-ME12PD3E/CS-E15JD3EA	2 x ø 160	CZ-DUMPAF15ES2	with 9 mm Armaduct	CS-ME12PD3E/CS-E15JD3EA	2 x ø 200	CZ-DUMPAF15ER2
CS-ME18PD3E/CS-E18JD3EA	3 x ø 160	CZ-DUMPAF18ES3		CS-ME18PD3E/CS-E18JD3EA	2 x ø 200	CZ-DUMPAF18ER2



Outdoor Units for Free Multi combinations



Outdoor Unit // Inverter+			4.0 to 5.6 kW	4.0 to 6.4 kW	4.5 to 9.0 kW	4.5 to 11.0 kW	4.5 to 13.6 kW	1.6 to 14.5 kW
Unit			CU-2E15PBE	CU-2E18PBE	CU-3E18PBE	CU-4E23PBE	CU-4E27PBE	CU-5E34PBE
Cooling capacity	Nominal (Min - Max)	kW	4.50 (1.50 - 5.20)	5.20 (1.50 - 5.40)	5.20 (1.80 - 7.30)	6.80 (1.90 - 8.80)	8.00 (3.00 - 9.20)	10.00 (2.9 - 11.5)
	Nominal (Min - Max)	kCal/h	3,870 (1,290 - 4,470)	4,472 (1,290 - 4,644)	4,470 (1,548 - 6,278)	5,850 (1,630 - 7,570)	6,880 (2,580 - 7,912)	8,600 (2,494 - 9,890)
EER ²	Nominal (Min - Max)	W/W	3.66 (6.00 - 3.42) ◀A	3.42 (6.00 - 3.42) ◀A	4.33 (5.00 - 3.35) ◀A	4.05 (5.59 - 3.56) ◀A	4.04 (5.66 - 3.21) ◀A	3.5 (5.27 - 2.98) ◀A
SEER	Nominal	W/W	6.50 ◀A++	6.50 ◀A++	7.00 ◀A++	7.00 ◀A++	7.00 ◀A++	6.50 ◀A++
Pdesign (cooling)			4.50	5.20	5.20	6.80	8.00	10.00
Power input Cooling	Nominal (Min - Max)	kW	1.230 (0.250 - 1.520)	1.490 (0.250 - 1.540)	1.210 (0.360 - 2.180)	1.680 (0.340 - 2.470)	1.980 (0.530 - 2.870)	2.860 (0.550 - 3.860)
Annual electricity consumption (cooling)			242	280	260	340	400	538
Heating capacity	Nominal (Min - Max)	kWh/a	5.40 (1.10 - 7.00)	5.60 (1.10 - 7.20)	6.80 (1.60 - 8.30)	8.50 (3.00 - 10.60)	9.40 (4.20 - 10.60)	12.00 (3.40 - 14.50)
	Nominal (Min - Max)	kCal/h	4,640 (950 - 6,020)	4,820 (950 - 6,190)	5,850 (1,200 - 7,140)	7,130 (2,580 - 9,120)	8,084 (3,612 - 9,116)	10,320 (2,924 - 12,470)
COP ²	Nominal (Min - Max)	W/W	4.62 (5.24 - 4.19) ◀A	4.63 (4.24 - 5.24) ◀A	4.69 (3.93 - 5.00) ◀A	4.47 (4.08 - 5.17) ◀A	4.52 (6.00 - 3.46) ◀A	4.20 (6.42 - 3.42) ◀A
SCOP	Nominal	W/W	4.00 ◀A+	4.00 ◀A+	4.00 ◀A+	4.00 ◀A+	4.00 ◀A+	4.00 ◀A+
Pdesign at -10 °C			4.00	3.80	4.80	5.50	8.00	10.00
Power input Heating	Nominal (Min - Max)	kW	1.170 (0.210 - 1.670)	1.300 (0.240 - 1.700)	1.450 (0.320 - 2.110)	1.850 (0.580 - 2.600)	2.080 (0.700 - 3.060)	2.860 (0.530 - 4.240)
Annual electricity consumption (heating)			1400	1330	1680	1925	2,800	3,500
Current	Cooling	A	5.75	7.10	5.30	7.50	9.40	13.20
	Heating	A	5.20	5.35	6.70	8.80	9.80	13.40
Power source			V	230	230	230	230	230
Recommended Fuse			A	16	16	20	20	25
Recommended power cable section			mm ²	1.5	1.5	2.5	2.5	3.5
Sound pressure level ²	Cooling / Heating (Hi)	dB(A)	47 / 49	49 / 51	46 / 47	48 / 49	51 / 52	53 / 54
	Cooling / Heating (Hi)	dB	62 / 64	64 / 66	60 / 61	62 / 63	67 / 68	69 / 70
Dimensions	H x W x D	mm	619 x 824 +70 x 299	619 x 824 x 229	795 x 875 (+95) x 320	795 x 875 (+95) x 320	999 x 940 x 340	999 x 940 x 340
Net weight		kg	39	39	71	72	80	81
Piping connections	Liquid pipe	inch (mm)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)
	Gas 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)
Refrigerant Loading	R410A	kg	1.40	1.40	2.64	2.64	3.4	3.4
Elevation diff. (in/out)	Max	m	10	10	15	15	15	15
Piping length total	Min / Max	m	3 / 30	30	3 / 50	60	70	80
Piping length to one unit	Min / Max	m	3 / 20	3 / 20	3 / 25	3 / 25	3 / 25	3 / 25
Precharge length		m (Max)	20	20	30	30	45	45
Additional charge		g/m	15	15	20	20	20	20
Operating range	Cooling Min/Max	°C	-10 / 46	-10 / 46	-10 / 46	-10 / 46	-10 / 46	-10 / 46
	Heating Min/Max	°C	-15 / 24	-15 / 24	-15 / 24	-15 / 24	-15 / 24	-15 / 24

For detailed information about ErP, please visit our page <http://www.doc.panasonic.de>