

Free Multi system

Outdoor units Free Multi system Z · R32

- Up to 5 indoor units with a single outdoor unit
- Up to 5 rooms with individual control
- Etherea, TZ super-compact, floor console and 4 way 60x60 cassette with nanoe™ X technology to improve protection 24/7
- High energy efficiency class A+++ SEER
- Indoor units compatible with internet and voice control

Configure in a few steps
your multi split system
with our online tool.



Outdoor unit			CU-2Z35TBE	CU-2Z41TBE	CU-2Z50TBE	CU-3Z52TBE	CU-3Z68TBE	CU-4Z68TBE	CU-4Z80TBE	CU-5Z90TBE
Indoor nominal capacity (Min - Max)			3,2 ~ 6,0 kW	3,2 ~ 6,0 kW	3,2 ~ 7,7 kW	4,5 ~ 9,5 kW	4,5 ~ 11,2 kW	4,5 ~ 11,5 kW	4,5 ~ 14,7 kW	4,5 ~ 18,3 kW
Cooling capacity	Nominal	kW	3,50	4,10	5,00	5,20	6,80	6,80	8,00	9,00
	Min		1,50	1,50	1,50	1,80	1,90	1,90	3,00	2,90
	Max		4,50	5,20	5,40	7,30	8,00	8,80	9,20	11,50
EER ¹⁾	Nominal	W/W	4,86	4,56	4,24	4,77	3,66	4,39	4,04	4,09
	Min		6,00	6,00	6,00	—	7,04	5,59	5,66	5,27
	Max		4,09	3,80	3,62	—	3,38	3,56	3,21	2,98
SEER ²⁾			8,50 A+++	8,50 A+++	8,50 A+++	8,50 A+++	8,00 A++	8,00 A++	7,90 A++	8,50 A+++
Pdesign (cooling)		kW	3,50	4,10	5,00	5,20	6,80	6,80	8,00	9,00
Input power	Nominal	kW	0,72	0,90	1,18	1,09	1,86	1,55	1,98	2,20
	Min		0,25	0,25	0,25	0,36	0,27	0,34	0,53	0,55
	Max		1,10	1,37	1,49	2,18	2,37	2,47	2,87	3,86
Annual energy consumption ³⁾		kWh/a	144	169	206	214	298	298	990	1100
Heating capacity	Nominal	kW	4,20	4,60	5,60	6,80	8,50	8,50	9,40	10,40
	Min		1,10	1,10	1,10	1,60	3,30	3,00	4,20	3,40
	Max		5,60	7,00	7,20	8,30	10,40	10,60	10,60	14,50
Heating capacity at -7 °C		kW	3,39	4,18	4,28	3,95	4,45	4,45	6,42	8,62
COP ¹⁾	Nominal	W/W	4,88	4,79	4,63	4,63	3,95	4,47	4,63	4,84
	Min		5,24	5,24	5,24	5,00	5,32	5,17	6,00	6,42
	Max		4,18	3,91	4,00	3,82	3,64	3,96	3,46	3,42
SCOP ²⁾			4,60 A++	4,60 A++	4,60 A++	4,20 A+	4,20 A+	4,20 A+	4,70 A++	4,68 A++
Pdesign at -10 °C		kW	3,20	3,50	4,20	5,00	5,20	5,80	6,80	8,50
Input power	Nominal	kW	0,86	0,96	1,21	1,47	2,15	1,90	2,03	2,15
	Min		0,21	0,21	0,21	0,32	0,62	0,58	0,70	0,53
	Max		1,34	1,79	1,80	2,17	2,86	2,68	3,06	4,24
Annual energy consumption ³⁾		kWh/a	974	1065	1278	1667	1733	1933	2026	2543
Current	Cool / Heat	A	3,35/4,00	4,15/4,45	5,35/5,50	5,00/6,70	8,40/9,70	7,00/8,60	9,50/9,50	10,50/10,10
Power supply		V	230	230	230	230	230	230	230	230
Recommended fuse		A	16	16	16	16	16	20	20	25
Recommended power cable section		mm ²	2,5	2,5	2,5	2,5	2,5	2,5	2,5	4,0
Sound pressure ⁴⁾	Cool / Heat (Hi)	dB(A)	48/50	48/50	50/52	47/48	51/52	49/50	51/52	53/54
Dimension ⁵⁾	H x W x D	mm	619x824x299	619x824x299	619x824x299	795x875x320	795x875x320	795x875x320	999x940x340	999x940x340
Net weight		kg	39	39	39	71	71	72	80	81
Piping diameter	Liquid	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	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}
Pipe length range total ⁶⁾		m	6 ~ 30	6 ~ 30	6 ~ 30	6 ~ 50	6 ~ 60	6 ~ 60	6 ~ 70	6 ~ 80
Pipe length range to one unit		m	3 ~ 20	3 ~ 20	3 ~ 20	3 ~ 25	3 ~ 25	3 ~ 25	3 ~ 25	3 ~ 25
Elevation difference (in / out)		m	10	10	10	15	15	15	15	15
Pre-charged pipe length		m	20	20	20	30	30	30	45	45
Additional gas amount		g/m	15	15	15	20	20	20	20	20
Refrigerant (R32) / CO ₂ Eq.		kg / T	1,12/0,756	1,12/0,756	1,12/0,756	2,10/1,418	2,10/1,418	2,10/1,418	2,72/1,836	2,72/1,836
Operating range	Cool Min ~ Max	°C	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46
	Heat Min ~ Max	°C	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24

1) EER and COP calculation is based in accordance to EN14511. 2) Energy Label Scale from A+++ to D. 3) The annual energy consumption is calculated in accordance to EU/626/2011. 4) The sound pressure of the units shows the value measured of a position 1 m in front and 1 m in rear side of the main body. The sound pressure is measured in accordance with JIS C 9612. 5) Add 70 or 95 mm for piping port. 6) Minimum piping length is 3 meters per indoor unit.

Possible outdoor / indoor units combinations

Rooms	Outdoor unit	Indoor capacity connected (Min - Max)	NEW Wall-mounted Etherea							NEW Wall-mounted TZ super-compact							Floor console				4 Way 60x60 cassette					Low static pressure hide-away					
			16	20	25	35	42	50	71	16	20	25	35	42	50	60	71	20	25	35	50	20	25	35	50	60	20	25	35	50	60
2	CU-2Z35TBE	3,2 ~ 6,0 kW	●	●	●	●				●	●	●	●					●	●	●		● ¹⁾	● ¹⁾	● ¹⁾			●	●	●		
	CU-2Z41TBE	3,2 ~ 6,0 kW	●	●	●	●				●	●	●	●					●	●	●		● ¹⁾	● ¹⁾	● ¹⁾			●	●	●		
	CU-2Z50TBE	3,2 ~ 7,7 kW	●	●	●	●	● ¹⁾	● ¹⁾		●	●	●	●	● ¹⁾	● ¹⁾			●	●	●	● ¹⁾	● ¹⁾	● ¹⁾	● ¹⁾			●	●	●	● ¹⁾	
3	CU-3Z52TBE	4,5 ~ 9,5 kW	●	●	●	●	● ¹⁾	● ¹⁾		●	●	●	●	● ¹⁾	● ¹⁾						● ¹⁾	● ¹⁾	● ¹⁾	● ¹⁾			●	●	●	● ¹⁾	
	CU-3Z68TBE	4,5 ~ 11,2 kW	●	●	●	●	● ¹⁾	● ¹⁾				●	●	● ¹⁾	● ¹⁾	● ²⁾					● ¹⁾	● ¹⁾	● ¹⁾	● ¹⁾	● ²⁾		●	●	●	● ¹⁾	● ²⁾
4	CU-4Z68TBE	4,5 ~ 11,5 kW	●	●	●	●	● ¹⁾	● ¹⁾		●	●	●	●	● ¹⁾	● ¹⁾	● ²⁾					● ¹⁾	● ¹⁾	● ¹⁾	● ¹⁾	● ²⁾		●	●	●	● ¹⁾	● ²⁾
	CU-4Z80TBE	4,5 ~ 14,7 kW	●	●	●	●	● ¹⁾	● ³⁾		●	●	●	●	● ¹⁾	● ¹⁾	● ³⁾					● ¹⁾	● ¹⁾	● ¹⁾	● ¹⁾	● ²⁾		●	●	●	● ¹⁾	● ²⁾
5	CU-5Z90TBE	4,5 ~ 18,3 kW	●	●	●	●	● ¹⁾	● ³⁾		●	●	●	●	● ¹⁾	● ¹⁾	● ³⁾					● ¹⁾	● ¹⁾	● ¹⁾	● ¹⁾	● ²⁾		●	●	●	● ¹⁾	● ²⁾

1) Pipe reducer CZ-MA1PA required. 2) Pipe reducer CZ-MA2PA required. 3) Pipe reducers CZ-MA2PA and CZ-MA3PA required.



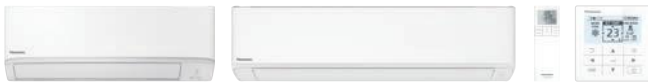


Optional wired
remote controller.
CZ-RD517C

INTERNET CONTROL: Built-in Wi-Fi.



NEW Wall-mounted Etherea	Indoor unit graphite grey	Indoor unit silver	Indoor unit matt white	Cooling capacity	Heating capacity	Connection in. / out.	Sound pressure ¹⁾		Dimension / Net weight	Piping diameter
				kW	kW	mm ²	Cool — Heat (Hi/Lo/S-Lo)	dB(A)		
1,6 kW	—	—	CS-MZ16ZKE	1,60	2,60	4 x 1,5	38/26/21 — 39/27/21		295 x 870 x 229 / 10	1/4 (6,35) / 3/8 (9,52)
2,0 kW	CS-XZ20ZKEW-H	CS-XZ20ZKEW	CS-Z20ZKEW	2,00	3,20	4 x 1,5	39/26/21 — 40/27/21		295 x 870 x 229 / 10	1/4 (6,35) / 3/8 (9,52)
2,5 kW	CS-XZ25ZKEW-H	CS-XZ25ZKEW	CS-Z25ZKEW	2,50	3,60	4 x 1,5	41/27/21 — 43/29/21		295 x 870 x 229 / 10	1/4 (6,35) / 3/8 (9,52)
3,5 kW ²⁾	CS-XZ35ZKEW-H	CS-XZ35ZKEW	CS-Z35ZKEW	3,50	4,50	4 x 1,5	44/30/21 — 45/35/21		295 x 870 x 229 / 11	1/4 (6,35) / 3/8 (9,52)
4,2 kW ³⁾	CS-XZ42ZKEW-H	—	CS-Z42ZKEW	4,20	5,60	4 x 1,5	44/33/27 — 45/37/31		295 x 870 x 229 / 10	1/4 (6,35) / 1/2 (12,70)
5,0 kW ⁴⁾	—	CS-XZ50ZKEW	CS-Z50ZKEW	5,00	6,80	4 x 2,5	44/39/32 — 46/39/32		295 x 1040 x 244 / 12	1/4 (6,35) / 1/2 (12,70)
7,1 kW	—	—	CS-Z71ZKEW	7,10	8,70	4 x 2,5	49/40/32 — 49/40/32		295 x 1040 x 244 / 13	1/4 (6,35) / 5/8 (15,88)



Optional wired
remote controller.
CZ-RD517C

INTERNET CONTROL: Built-in Wi-Fi.



NEW Wall-mounted TZ super-compact	Indoor unit	Cooling capacity	Heating capacity	Connection in. / out.	Sound pressure ¹⁾		Dimension / Net weight	Piping diameter
		kW	kW	mm ²	Cool — Heat (Hi/Lo/S-Lo)	dB(A)		
1,6 kW	CS-MTZ16ZKE	1,60	2,60	4 x 1,5	38/27/22 — 39/28/24		290 x 779 x 209 / 8	1/4 (6,35) / 3/8 (9,52)
2,0 kW	CS-TZ20ZKEW	2,00	3,20	4 x 1,5	37/25/20 — 38/26/22		290 x 779 x 209 / 8	1/4 (6,35) / 3/8 (9,52)
2,5 kW	CS-TZ25ZKEW	2,50	3,60	4 x 1,5	40/26/20 — 40/27/22		290 x 779 x 209 / 8	1/4 (6,35) / 3/8 (9,52)
3,5 kW ²⁾	CS-TZ35ZKEW	3,50	4,50	4 x 1,5	42/30/20 — 42/33/22		290 x 779 x 209 / 8	1/4 (6,35) / 3/8 (9,52)
4,2 kW	CS-TZ42ZKEW	4,20	5,60	4 x 1,5	44/31/29 — 44/35/34		290 x 779 x 209 / 8	1/4 (6,35) / 1/2 (12,70)
5,0 kW	CS-TZ50ZKEW	5,00	6,80	4 x 2,5	44/37/33 — 44/37/33		290 x 779 x 209 / 8	1/4 (6,35) / 1/2 (12,70)
6,0 kW	CS-TZ60ZKEW	6,00	8,50	4 x 2,5	45/37/34 — 45/37/34		302 x 1102 x 244 / 12	1/4 (6,35) / 1/2 (12,70)
7,1 kW	CS-TZ71ZKEW	7,10	8,70	4 x 2,5	47/38/35 — 47/38/35		302 x 1102 x 244 / 13	1/4 (6,35) / 5/8 (15,88)

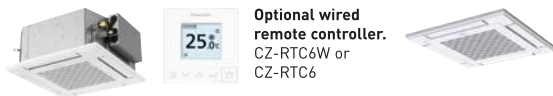


Optional wired
remote controller.
CZ-RD517C

INTERNET CONTROL: Optional.



Floor console ⁵⁾	Indoor unit	Cooling capacity	Heating capacity	Connection in. / out.	Sound pressure ⁶⁾		Dimension / Net weight	Piping diameter
		kW	kW	mm ²	Cool — Heat (Hi/Lo/S-Lo)	dB(A)		
2,0 kW	CS-MZ20UFEA	2,00	3,20	4 x 1,5	39/27/22 — 39/27/21		600 x 750 x 207 / 13	1/4 (6,35) / 3/8 (9,52)
2,5 kW	CS-Z25UFEAW	2,50	3,60	4 x 1,5	40/27/22 — 40/27/21		600 x 750 x 207 / 13	1/4 (6,35) / 3/8 (9,52)
3,5 kW ²⁾	CS-Z35UFEAW	3,50	4,50	4 x 1,5	41/28/22 — 41/28/21		600 x 750 x 207 / 13	1/4 (6,35) / 3/8 (9,52)
5,0 kW	CS-Z50UFEAW	5,00	5,30	4 x 1,5	44/33/29 — 48/35/31		600 x 750 x 207 / 13	1/4 (6,35) / 1/2 (12,70)



Optional wired
remote controller.
CZ-RT6W or
CZ-RTC6

Panel (sold separately).
CZ-KPY4

INTERNET CONTROL and BMS CONNECTIVITY: Optional.



4 Way 60x60 cassette*	Indoor unit (Panel CZ-KPY4)	Cooling capacity	Heating capacity	Connection in. / out.	Sound pressure ⁷⁾		Dimension / Net weight		Piping diameter
		kW	kW	mm ²	Cool — Heat (Hi/Lo/S-Lo)	dB(A)	Indoor H x W x D	Panel H x W x D	
2,0 kW	S-M20PY3E	2,00	3,20	4 x 1,5	33/30/27 — 33/30/27		243 x 575 x 575 / 15	30 x 625 x 625 / 2,8	1/4 (6,35) / 1/2 (12,70)
2,5 kW	S-25PY3E	2,50	3,60	4 x 1,5	33/30/27 — 33/30/27		243 x 575 x 575 / 15	30 x 625 x 625 / 2,8	1/4 (6,35) / 1/2 (12,70)
3,5 kW ²⁾	S-36PY3E	3,50	3,60	4 x 1,5	36/32/27 — 36/32/27		243 x 575 x 575 / 15	30 x 625 x 625 / 2,8	1/4 (6,35) / 1/2 (12,70)
5,0 kW ⁴⁾	S-50PY3E	5,00	6,80	4 x 1,5	41/36/29 — 41/36/29		243 x 575 x 575 / 15	30 x 625 x 625 / 2,8	1/4 (6,35) / 1/2 (12,70)
6,0 kW	S-60PY3E	6,00	8,50	4 x 1,5	45/39/33 — 45/39/33		243 x 575 x 575 / 15	30 x 625 x 625 / 2,8	3/8 (9,52) / 5/8 (15,88)

* Compatible with Commercial control and connectivity accessories only. For detailed information go to the control systems section.



Optional wireless
control kit.
CZ-RL511D

INTERNET CONTROL and BMS CONNECTIVITY: Optional.



Low static pressure hide-away	Indoor unit	Cooling capacity	Heating capacity	Connection in. / out.	Sound pressure ⁸⁾		Dimension / Net weight	Piping diameter
		kW	kW	mm ²	Cool — Heat (Hi/Lo/S-Lo)	dB(A)		
2,0 kW	CS-MZ20UD3EA	2,00	3,20	4 x 1,5	34/29/26 — 36/29/26		200 x 750 x 640 / 19	1/4 (6,35) / 3/8 (9,52)
2,5 kW	CS-Z25UD3EAW	2,50	3,60	4 x 1,5	35/29/26 — 37/29/26		200 x 750 x 640 / 19	1/4 (6,35) / 3/8 (9,52)
3,5 kW ²⁾	CS-Z35UD3EAW	3,50	4,50	4 x 1,5	35/29/26 — 37/29/26		200 x 750 x 640 / 19	1/4 (6,35) / 3/8 (9,52)
5,0 kW ⁴⁾	CS-Z50UD3EAW	5,00	6,80	4 x 1,5	41/31/28 — 41/32/29		200 x 750 x 640 / 19	1/4 (6,35) / 1/2 (12,70)
6,0 kW	CS-Z60UD3EAW	6,00	8,50	4 x 1,5	43/32/29 — 43/34/31		200 x 750 x 640 / 19	1/4 (6,35) / 1/2 (12,70)

1) The sound pressure of the indoor unit shows the value measured of a position of 1 m in front of the main body and 0,8 m below the unit. The sound pressure is measured in accordance with JIS C 9612. Q-Lo: Quiet mode. Lo: The lowest set fan speed. 2) Heating capacity in combination with Free Multi outdoor units except with CU-Z235TBE. In this case, the heating capacity is 4,20 kW. 3) Heating capacity in combination with Free Multi outdoor units except with CU-Z250TBE. In this case, the heating capacity is 5,00 kW. 4) Heating capacity in combination with Free Multi outdoor units except with CU-Z235TBE. In this case, the heating capacity is 5,30 kW. 5) Compatible only with 2 ports R32 outdoor CU-Z235TBE / CU-Z241TBE / CU-Z250TBE. Minimum quantity of connection: 2 indoor units. 6) The sound pressure of the units shows the value measured of a position 1 m in front of the main body and 1 m above floor. The sound pressure is measured in accordance with JIS C 9612. Q-Lo: Quiet mode. Lo: The lowest set fan speed. 7) The sound pressure of the indoor unit shows the value measured of a position of 1,5 m below the unit. The sound pressure is measured in accordance with JIS C 9612. Q-Lo: Quiet mode. Lo: The lowest set fan speed. 8) The sound pressure of the indoor unit shows the value measured of a position of 1,5 m below the unit with 1 m duct on the suction side and 2 m duct on the discharge side. The sound pressure is measured in accordance with JIS C 9612.