

# Multi Split and Free Multi System





NEW 2021



Optional wired remote controller. CZ-RD514C

INTERNET CONTROL: Built-in Wi-Fi.



NEW Wall-mounted Etherea	Indoor unit Silver	Indoor unit Pure White Matt	Cooling capacity	Heating capacity	Connection in. / out.	Sound pressure <sup>1)</sup>		Dimension / Net weight		Piping connections	
			kW	kW		mm <sup>2</sup>	Cool — Heat (Hi/Lo/S-Lo)	HxWxD	Liquid / Gas pipe	Inch (mm)	
1,6 kW	—	CS-MZ16XKE	1,60	2,60	4x1,5	38/26/21	— 39/27/21	295x870x229/10	—	1/4(6,35)/3/8(9,52)	—
2,0 kW	CS-XZ20XKEW	CS-Z20XKEW	2,00	3,20	4x1,5	39/26/21	— 40/27/21	295x870x229/10	—	1/4(6,35)/3/8(9,52)	—
2,5 kW	CS-XZ25XKEW	CS-Z25XKEW	2,50	3,60	4x1,5	41/27/21	— 43/29/21	295x870x229/10	—	1/4(6,35)/3/8(9,52)	—
3,5 kW <sup>2)</sup>	CS-XZ35XKEW	CS-Z35XKEW	3,50	4,50	4x1,5	44/30/21	— 45/35/21	295x870x229/11	—	1/4(6,35)/3/8(9,52)	—
4,2 kW <sup>3)</sup>	—	CS-Z42XKEW	4,20	5,60	4x1,5	44/33/27	— 45/37/31	295x870x229/10	—	1/4(6,35)/1/2(12,70)	—
5,0 kW <sup>4)</sup>	CS-XZ50XKEW	CS-Z50XKEW	5,00	6,80	4x2,5	44/39/32	— 46/39/32	295x1040x244/12	—	1/4(6,35)/1/2(12,70)	—
7,1 kW	—	CS-Z71XKEW	7,10	8,70	4x2,5	49/40/32	— 49/40/32	295x1040x244/14	—	1/4(6,35)/5/8(15,88)	—



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INTERNET CONTROL: Built-in Wi-Fi.



Wall-mounted TZ super-compact	Indoor unit	Cooling capacity	Heating capacity	Connection in. / out.	Sound pressure <sup>1)</sup>		Dimension / Net weight		Piping connections	
		kW	kW		mm <sup>2</sup>	Cool — Heat (Hi/Lo/S-Lo)	HxWxD	Liquid / Gas pipe	Inch (mm)	
1,6 kW*	CS-MTZ16WKE	1,60	2,60	4x1,5	38/27/22	— 39/28/24	290x779x209/8	—	1/4(6,35)/3/8(9,52)	—
2,0 kW	CS-TZ20WKEW	2,00	2,70	4x1,5	37/25/20	— 38/26/22	290x779x209/8	—	1/4(6,35)/3/8(9,52)	—
2,5 kW	CS-TZ25WKEW	2,50	3,30	4x1,5	40/26/20	— 40/27/22	290x779x209/8	—	1/4(6,35)/3/8(9,52)	—
3,5 kW <sup>2)</sup>	CS-TZ35WKEW	3,50	4,00	4x1,5	42/30/20	— 42/33/22	290x779x209/8	—	1/4(6,35)/3/8(9,52)	—
4,2 kW	CS-TZ42WKEW	4,20	5,00	4x1,5	44/31/29	— 44/35/34	290x779x209/8	—	1/4(6,35)/1/2(12,70)	—
5,0 kW	CS-TZ50WKEW	5,00	5,80	4x2,5	44/37/33	— 44/37/33	290x779x209/8	—	1/4(6,35)/1/2(12,70)	—
6,0 kW	CS-TZ60WKEW	6,00	7,00	4x2,5	45/37/34	— 45/37/34	302x1102x244/13	—	1/4(6,35)/1/2(12,70)	—
7,1 kW	CS-TZ71WKEW	7,10	8,60	4x2,5	47/38/35	— 47/38/35	302x1102x244/13	—	1/4(6,35)/5/8(15,88)	—



Optional wired remote controller. CZ-RD514C

INTERNET CONTROL: Optional.



Floor console <sup>5)</sup>	Indoor unit	Cooling capacity	Heating capacity	Connection in. / out.	Sound pressure <sup>6)</sup>		Dimension / Net weight		Piping connections	
		kW	kW		mm <sup>2</sup>	Cool — Heat (Hi/Lo/S-Lo)	HxWxD	Liquid / Gas pipe	Inch (mm)	
2,0 kW	CS-MZ20UFEA	2,00	3,20	4x1,5	39/27/22	— 39/27/21	600x750x207/13	—	1/4(6,35)/3/8(9,52)	—
2,5 kW	CS-Z25UFEAW	2,50	3,60	4x1,5	40/27/22	— 40/27/21	600x750x207/13	—	1/4(6,35)/3/8(9,52)	—
3,5 kW <sup>2)</sup>	CS-Z35UFEAW	3,50	4,50	4x1,5	41/28/22	— 41/28/21	600x750x207/13	—	1/4(6,35)/3/8(9,52)	—
5,0 kW	CS-Z50UFEAW	5,00	5,30	4x1,5	44/33/29	— 48/35/31	600x750x207/13	—	1/4(6,35)/1/2(12,70)	—



RAL9010 panel for 4 way 60x60 cassette (sold separately). CZ-BT20EW



Optional wired remote controller. CZ-RD52CP

INTERNET CONTROL and BMS CONNECTIVITY: Optional.



4 Way 60x60 cassette	Indoor unit (Panel CZ-BT20EW)	Cooling capacity	Heating capacity	Connection in. / out.	Sound pressure <sup>7)</sup>		Dimension / Net weight		Piping connections	
		kW	kW		mm <sup>2</sup>	Cool — Heat (Hi/Lo/S-Lo)	Indoor HxWxD	Panel HxWxD	Liquid / Gas pipe	Inch (mm)
2,0 kW	CS-MZ20UB4EA	2,00	3,20	4x1,5	35/27/24	— 36/30/27	260x575x575/18	51x700x700/2,5	1/4(6,35)/3/8(9,52)	—
2,5 kW	CS-Z25UB4EAW	2,50	3,60	4x1,5	36/27/24	— 37/30/27	260x575x575/18	51x700x700/2,5	1/4(6,35)/3/8(9,52)	—
3,5 kW <sup>2)</sup>	CS-Z35UB4EAW	3,50	4,50	4x1,5	36/28/25	— 37/30/27	260x575x575/18	51x700x700/2,5	1/4(6,35)/3/8(9,52)	—
5,0 kW <sup>4)</sup>	CS-Z50UB4EAW	5,00	6,80	4x1,5	39/30/27	— 40/31/28	260x575x575/18	51x700x700/2,5	1/4(6,35)/1/2(12,70)	—
6,0 kW	CS-Z60UB4EAW	6,00	8,50	4x1,5	44/34/31	— 45/34/31	260x575x575/18	51x700x700/2,5	1/4(6,35)/1/2(12,70)	—



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 <sup>8)</sup>		Dimension / Net weight		Piping connections	
		kW	kW		mm <sup>2</sup>	Cool — Heat (Hi/Lo/S-Lo)	HxWxD	Liquid / Gas pipe	Inch (mm)	
2,0 kW	CS-MZ20UD3EA	2,00	3,20	4x1,5	34/29/26	— 36/29/26	200x750x640/19	—	1/4(6,35)/3/8(9,52)	—
2,5 kW	CS-Z25UD3EAW	2,50	3,60	4x1,5	35/29/26	— 37/29/26	200x750x640/19	—	1/4(6,35)/3/8(9,52)	—
3,5 kW <sup>2)</sup>	CS-Z35UD3EAW	3,50	4,50	4x1,5	35/29/26	— 37/29/26	200x750x640/19	—	1/4(6,35)/3/8(9,52)	—
5,0 kW <sup>4)</sup>	CS-Z50UD3EAW	5,00	6,80	4x1,5	41/31/28	— 41/32/29	200x750x640/19	—	1/4(6,35)/1/2(12,70)	—
6,0 kW	CS-Z60UD3EAW	6,00	8,50	4x1,5	43/32/29	— 43/34/31	200x750x640/19	—	1/4(6,35)/1/2(12,70)	—

1) The sound pressure of the indoor unit shows the value measured of a position 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 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. Floor console indoor unit is compatible with R410A outdoors with 3, 4 or 5 ports: CU-3E18PBE, CU-3E23SBE, CU-4E23PBE, CU-4E27PBE and CU-5E34PBE. 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 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. \* Tentative data.





SEE THE COMBINATIONS TABLES

**Outdoor unit Multi Wall TZ • R32**

Indoor nominal capacity (Min - Max)			3,2 ~ 6,0 kW	3,2 ~ 7,7 kW	4,5 ~ 9,5 kW
Unit			CU-2TZ41TBE	CU-2TZ50TBE	CU-3TZ52TBE
Cooling capacity	Nominal (Min - Max)	kW	4,10 [1,50 - 4,70]	5,00 [1,50 - 5,40]	5,20 [1,80 - 6,60]
EER <sup>1)</sup>	Nominal (Min - Max)	W/W	4,14 [5,56 - 3,41]	3,85 [5,56 - 3,33]	4,52 [3,67 - 5,00]
<b>SEER <sup>2)</sup></b>			<b>7,10 A++</b>	<b>7,00 A++</b>	<b>7,60 A++</b>
Pdesign (cooling)		kW	4,10	5,00	5,20
Input power cooling	Nominal (Min - Max)	kW	0,99 [0,27 - 1,38]	1,30 [0,27 - 1,62]	1,15 [0,36 - 1,80]
Annual energy consumption <sup>3)</sup>		kWh/a	202	250	239
Heating capacity	Nominal (Min - Max)	kW	4,40 [1,10 - 6,30]	5,70 [1,10 - 6,40]	6,80 [1,60 - 7,50]
Heating capacity at -7 °C		kW	—	—	—
COP <sup>1)</sup>	Nominal (Min - Max)	W/W	4,44 [5,00 - 3,54]	4,35 [5,00 - 3,62]	4,28 [3,87 - 5,00]
<b>SCOP <sup>2)</sup></b>			<b>4,30 A+</b>	<b>4,20 A+</b>	<b>4,20 A+</b>
Pdesign at -10 °C		kW	3,50	4,50	5,00
Input power heating	Nominal (Min - Max)	kW	0,99 [0,22 - 1,78]	1,31 [0,22 - 1,77]	1,59 [0,32 - 1,94]
Annual energy consumption <sup>3)</sup>		kWh/a	1139	1500	1667
Current	Cool / Heat	A	4,60 / 4,60	6,00 / 6,00	5,30 / 7,30
Power source		V	230	230	230
Sound pressure <sup>4)</sup>	Cool / Heat (Hi)	dB(A)	48 / 50	50 / 52	48 / 48
Dimension <sup>5)</sup>	H x W x D	mm	542 x 780 x 289	542 x 780 x 289	795 x 875 x 320
Net weight		kg	35	35	71
Pipe diameter	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]	3/8 [9,52]
Pipe length range total		m	6 ~ 30	6 ~ 30	6 ~ 50
Pipe length range to one unit		m	3 ~ 20	3 ~ 20	3 ~ 25
Elevation difference (in/out)		m	10	10	15
Pipe length for additional gas		m	20	20	30
Additional gas amount		g/m	15	15	20
Refrigerant (R32) / CO <sub>2</sub> Eq.		kg / T	0,9 / 0,6075	0,9 / 0,6075	2,1 / 1,4175
Operating range	Cool Min ~ Max	°C	-10 ~ +46	-10 ~ +46	-10 ~ +46
	Heat Min ~ Max	°C	-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.

**Possible outdoor / indoor units combinations • R32**

Rooms	Model	Indoor capacity connected (Min - Max)	Wall-mounted TZ super-compact					
			16	20	25	35	42	50
2	CU-2TZ41TBE	3,2 ~ 6,0 kW	✓	✓	✓	✓		
	CU-2TZ50TBE	3,2 ~ 7,7 kW	✓	✓	✓	✓	✓	✓
3	CU-3TZ52TBE	4,5 ~ 9,5 kW	✓	✓	✓	✓	✓	✓

Minimum quantity of connection: 2 indoor units.



Optional wired remote controller.  
CZ-RD514C

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Wall-mounted TZ super-compact	Indoor unit	Cooling capacity	Heating capacity	Connection in. / out.	Sound pressure <sup>1)</sup>	Dimension / Net weight	Piping connections
					Cool — Heat (Hi/Lo/S-Lo)	H x W x D	Liquid / Gas pipe
		kW	kW	mm <sup>2</sup>	dB(A)	mm / kg	Inch (mm)
1,6 kW*	CS-MTZ16WKE	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-TZ20WKEW	2,00	2,70	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-TZ25WKEW	2,50	3,30	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	CS-TZ35WKEW	3,50	4,00	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-TZ42WKEW	4,20	5,00	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-TZ50WKEW	5,00	5,80	4 x 2,5	44 / 37 / 33 — 44 / 37 / 33	290 x 779 x 209 / 8	1/4 [6,35] / 1/2 [12,70]

1) The sound pressure of the indoor unit shows the value measured of a position 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, \* Tentative data.