



**Outdoor unit Free Multi System Z • R32 Gas**

Indoor nominal capacity (Min - Max)			3,20 ~ 6,00kW	3,20 ~ 6,00kW	3,20 ~ 7,70kW	4,50 ~ 9,50kW	4,50 ~ 11,20kW	4,50 ~ 11,50kW	4,50 ~ 14,70kW	4,50 ~ 18,30kW
Unit			CU-2Z35TBE	CU-2Z41TBE	CU-2Z50TBE	CU-3Z52TBE	CU-3Z68TBE	CU-4Z68TBE	CU-4Z80TBE	CU-5Z90TBE
Cooling capacity	Nominal (Min - Max)	kW	3,50(1,50-4,50)	4,10(1,50-5,20)	5,00(1,50-5,40)	5,20(1,80-7,30)	6,80(1,90-8,00)	6,80(1,90-8,80)	8,00(3,00-9,20)	9,00(2,90-11,50)
EER <sup>1)</sup>	Nominal (Min - Max)	W/W	4,86(6,00-4,09)	4,56(6,00-3,80)	4,24(6,00-3,62)	4,77	3,66(7,04-3,38)	4,39(5,59-3,56)	4,04(5,66-3,21)	4,09(5,27-2,98)
SEER <sup>2)</sup>			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 cooling	Nominal (Min - Max)	kW	0,72(0,25-1,10)	0,90(0,25-1,37)	1,18(0,25-1,49)	1,09(0,36-2,18)	1,86(0,27-2,37)	1,55(0,34-2,47)	1,98(0,53-2,87)	2,20(0,55-3,86)
Annual energy consumption <sup>3)</sup>		kWh/a	144	169	206	214	298	298	990	1100
Heating capacity	Nominal (Min - Max)	kW	4,20(1,10-5,60)	4,60(1,10-7,00)	5,60(1,10-7,20)	6,80(1,60-8,30)	8,50(3,30-10,40)	8,50(3,00-10,60)	9,40(4,20-10,60)	10,40(3,40-14,50)
Heating capacity at -7°C		kW	—	—	—	3,95	4,45	4,45	—	—
COP <sup>1)</sup>	Nominal (Min - Max)	W/W	4,88(5,24-4,18)	4,79(5,24-3,91)	4,63(5,24-4,00)	4,63(5,00-3,82)	3,95(5,32-3,64)	4,47(5,17-3,96)	4,63(6,00-3,46)	4,84(6,42-3,42)
SCOP <sup>2)</sup>			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 heating	Nominal (Min - Max)	kW	0,86(0,21-1,34)	0,96(0,21-1,79)	1,21(0,21-1,80)	1,47(0,32-2,17)	2,15(0,62-2,86)	1,90(0,58-2,68)	2,03(0,70-3,06)	2,15(0,53-4,24)
Annual energy consumption <sup>3)</sup>		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 source		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 <sup>2</sup>	2,5	2,5	2,5	2,5	2,5	2,5	2,5	3,5
Sound pressure <sup>4)</sup>	Cool / Heat (Hi)	dB(A)	48/50	48/50	50/52	47/48	51/52	49/50	51/52	53/54
Dimension <sup>5)</sup>	H x W x D	mm	619 x 824 x 299	619 x 824 x 299	619 x 824 x 299	795 x 875 x 320	795 x 875 x 320	795 x 875 x 320	999 x 940 x 340	999 x 940 x 340
Net weight		kg	39	39	39	71	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)	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)	3/8(9,52)	3/8(9,52)
Pipe length range total <sup>6)</sup>		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
Pipe length for additional gas		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 <sub>2</sub> 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 1m in front and 1m in rear side of the main body. The sound pressure is measured in accordance with JIS C 9612. 5) Add 70 or 95mm for piping port. 6) Minimum piping length is 3 meters per indoor unit.

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

Rooms	Model	Indoor capacity connected (Min - Max)	NEW Etherea Silver	NEW Etherea Pure White Matt	Wall Mounted TZ Compact Style	Floor Console*	4 Way 60x60 Cassette	Low Static Pressure Hide Away
			16 20 25 35 42 50 60 71	16 20 25 35 42 50 60 71	16 20 25 35 42 50 60 71	16 20 25 35 42 50 60 71	16 20 25 35 42 50 60 71	16 20 25 35 42 50 60 71
2	CU-2Z35TBE	3,20 ~ 6,00kW	✓ ✓ ✓	✓ ✓ ✓ ✓	✓ ✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓
	CU-2Z41TBE	3,20 ~ 6,00kW	✓ ✓ ✓	✓ ✓ ✓ ✓	✓ ✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓
	CU-2Z50TBE	3,20 ~ 7,70kW	✓ ✓ ✓ ✓ <sup>1)</sup>	✓ ✓ ✓ ✓ <sup>1)</sup>	✓ ✓ ✓ ✓ <sup>1)</sup>	✓ ✓ ✓ ✓ <sup>1)</sup>	✓ ✓ ✓ ✓ <sup>1)</sup>	✓ ✓ ✓ ✓ <sup>1)</sup>
3	CU-3Z52TBE	4,50 ~ 9,50kW	✓ ✓ ✓ ✓ <sup>1)</sup>	✓ ✓ ✓ ✓ <sup>1)</sup>	✓ ✓ ✓ ✓ <sup>1)</sup>	✓ ✓ ✓ ✓ <sup>1)</sup>	✓ ✓ ✓ ✓ <sup>1)</sup>	✓ ✓ ✓ ✓ <sup>1)</sup>
	CU-3Z68TBE	4,50 ~ 11,20kW	✓ ✓ ✓ ✓ <sup>1)</sup>	✓ ✓ ✓ ✓ <sup>1)</sup>	✓ ✓ ✓ ✓ <sup>1)</sup>	✓ ✓ ✓ ✓ <sup>1)</sup>	✓ ✓ ✓ ✓ <sup>1)</sup>	✓ ✓ ✓ ✓ <sup>1)</sup>
4	CU-4Z68TBE	4,50 ~ 11,50kW	✓ ✓ ✓ ✓ <sup>1)</sup>	✓ ✓ ✓ ✓ <sup>1)</sup>	✓ ✓ ✓ ✓ <sup>1)</sup>	✓ ✓ ✓ ✓ <sup>1)</sup>	✓ ✓ ✓ ✓ <sup>1)</sup>	✓ ✓ ✓ ✓ <sup>1)</sup>
	CU-4Z80TBE	4,50 ~ 14,70kW	✓ ✓ ✓ ✓ <sup>1)</sup>	✓ ✓ ✓ ✓ <sup>1)</sup>	✓ ✓ ✓ ✓ <sup>1)</sup>	✓ ✓ ✓ ✓ <sup>1)</sup>	✓ ✓ ✓ ✓ <sup>1)</sup>	✓ ✓ ✓ ✓ <sup>1)</sup>
5	CU-5Z90TBE	4,50 ~ 18,30kW	✓ ✓ ✓ ✓ <sup>1)</sup>	✓ ✓ ✓ ✓ <sup>1)</sup>	✓ ✓ ✓ ✓ <sup>1)</sup>	✓ ✓ ✓ ✓ <sup>1)</sup>	✓ ✓ ✓ ✓ <sup>1)</sup>	✓ ✓ ✓ ✓ <sup>1)</sup>

1) A CZ-MA1P pipe reducer is needed on the 42 and 50, a CZ-MA2P pipe expander is needed on the 60 and 71, and CZ-MA3P pipe reducer on the 71. Compatible only with 2 ports outdoor CU-2Z35TBE / CU-2Z41TBE / CU-2Z50TBE. Minimum quantity of connection: 2 indoor units.

**Outdoor Multi combination model**

	Model
CS-MZ16VKE / CS-MTZ16TKE CS-XZ20VKEW / CS-Z20VKEW / CS-TZ20TKEW-1 / CS-MZ20UFEA / CS-MZ20UB4EA / CS-MZ20UD3EA CS-XZ25VKEW / CS-Z25VKEW / CS-TZ25TKEW-1 / CS-Z25UFEAW / CS-Z25UB4EA / CS-Z25UD3EA CS-XZ35VKEW / CS-Z35VKEW / CS-TZ35TKEW-1 / CS-Z35UFEAW / CS-Z35UB4EA / CS-Z35UD3EA	CU-2Z35TBE / CU-2Z41TBE / CU-2Z50TBE / CU-3Z52TBE / CU-3Z68TBE / CU-4Z68TBE / CU-4Z80TBE / CU-5Z90TBE
CS-Z42TKEW / CS-TZ42TKEW-1 CS-XZ50VKEW / CS-Z50VKEW / CS-TZ50TKEW / CS-Z50UFEAW / CS-Z50UB4EA / CS-Z50UD3EA	CU-2Z50TBE / CU-3Z52TBE / CU-3Z68TBE / CU-4Z68TBE / CU-4Z80TBE / CU-5Z90TBE
CS-TZ60TKEW / CS-Z60UB4EA / CS-Z60UD3EA	CU-3Z68TBE / CU-4Z68TBE / CU-4Z80TBE / CU-5Z90TBE
CS-Z71VKEW / CS-TZ71TKEW	CU-4Z80TBE / CU-5Z90TBE

\* For CZ-MA3P necessary to use adaptor CZ-MA2P too.

