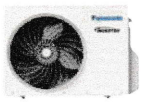
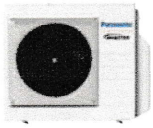
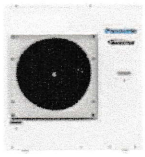

CU-2Z35TBE / CU-2Z41TBE / CU-2Z50TBE


CU-3Z52TBE / CU-3Z68TBE / CU-4Z68TBE


CU-4Z80TBE / CU-5Z90TBE

Outdoor unit Free Multi System Z • R32 GAS

System Capacity (Min - Max Indoor Cooling Capacity Nominal)			3,2 to 6,0kW	3,2 to 6,0kW	3,2 to 7,7kW	4,5 to 9,5kW	4,5 to 11,2kW	4,5 to 11,5kW	4,5 to 14,7kW	4,5 to 18,3kW
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 [1]	Nominal (Min - Max)	W/W	4,86 (6,00 - 4,09) A	4,56 (6,00 - 3,80) A	4,24 (6,00 - 3,62) A	4,77 A	3,66 (7,04 - 3,38) A	4,39 (5,59 - 3,56) A	4,04 (5,66 - 3,21) A	4,09 (5,27 - 2,98) A
SEER [2]		**W/W**	**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	3,5	4,1	5,0	5,2	6,8	6,8	8,0	9,0
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 [3]		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 [1]	Nominal (Min - Max)	W/W	4,88 (5,24 - 4,18) A	4,79 (5,24 - 3,91) A	4,63 (5,24 - 4,00) A	4,72 A	3,95 (5,32 - 3,64) A	4,47 (5,17 - 3,96) A	4,63 (6,00 - 3,46) A	4,84 (6,42 - 3,42) A
SCOP [2]		**W/W**	**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	3,2	3,5	4,2	5,0	5,2	5,8	6,8	8,5
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 (3,20 - 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 [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 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		mm²	2,5	2,5	2,5	2,5	2,5	2,5	2,5	3,5
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	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 [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
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)		kg / TCO_2 Eq.	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 of the main body and 0,8m below the unit. The sound pressure is measured in accordance with Eurovent 6/C/006-97 specification. 5] Add 70 or 95mm for piping port. 6] Minimum piping length is 3 meters per indoor unit. Minimum quantity of connection: 2 indoor units.

Possible outdoor / indoor units combinations • R32 GAS

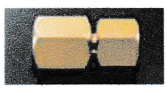
	Etherea Silver	Etherea Pure White Matt	Wall Mounted TZ Compact Style	NEW Floor Console*	NEW 4 Way 60x60 Cassette	NEW Low Static Pressure Hide Away
	16 20 25 35 42 50 60 71	16 20 25 35 42 50 60 71	16 20 25 35 42 50 60 71	16 20 25 35 42 50 60 71	16 20 25 35 42 50 60 71	16 20 25 35 42 50 60 71
CU-2Z35TBE // 3,2 - 6,0kW // 2 Rooms	✔ ✔ ✔	✔ ✔ ✔ ✔	✔ ✔ ✔ ✔	✔ ✔ ✔	✔ ✔ ✔	✔ ✔ ✔
CU-2Z41TBE // 3,2 - 6,0kW // 2 Rooms	✔ ✔ ✔	✔ ✔ ✔ ✔	✔ ✔ ✔ ✔	✔ ✔ ✔	✔ ✔ ✔	✔ ✔ ✔
CU-2Z50TBE // 3,2 - 7,7kW // 2 Rooms	✔ ✔ ✔ ✔[1] ✔[1]	✔ ✔ ✔ ✔ ✔[1] ✔[1]	✔ ✔ ✔ ✔ ✔ ✔	✔ ✔ ✔ ✔[1]	✔ ✔ ✔ ✔[1]	✔ ✔ ✔ ✔[1]
CU-3Z52TBE // 4,5 - 9,5kW // 3 Rooms	✔ ✔ ✔ ✔[1] ✔[1]	✔ ✔ ✔ ✔ ✔[1] ✔[1]	✔ ✔ ✔ ✔ ✔ ✔		✔ ✔ ✔ ✔[1]	✔ ✔ ✔ ✔[1]
CU-3Z68TBE // 4,5 - 11,2kW // 3 Rooms	✔ ✔ ✔ ✔[1] ✔[1]	✔ ✔ ✔ ✔ ✔[1] ✔[1]	✔ ✔ ✔ ✔ ✔ ✔ ✔[1]		✔ ✔ ✔ ✔[1] ✔[1]	✔ ✔ ✔ ✔[1] ✔[1]
CU-4Z68TBE // 4,5 - 11,5kW // 4 Rooms	✔ ✔ ✔ ✔[1] ✔[1]	✔ ✔ ✔ ✔ ✔[1] ✔[1]	✔ ✔ ✔ ✔ ✔ ✔ ✔[1]		✔ ✔ ✔ ✔[1] ✔[1]	✔ ✔ ✔ ✔[1] ✔[1]
CU-4Z80TBE // 4,5 - 14,7kW // 4 Rooms	✔ ✔ ✔ ✔[1] ✔[1]	✔ ✔ ✔ ✔ ✔[1] ✔[1] ✔[1]	✔ ✔ ✔ ✔ ✔ ✔ ✔ ✔[1]		✔ ✔ ✔ ✔[1] ✔[1]	✔ ✔ ✔ ✔[1] ✔[1]
CU-5Z90TBE // 4,5 - 18,3kW // 5 Rooms	✔ ✔ ✔ ✔[1] ✔[1]	✔ ✔ ✔ ✔ ✔[1] ✔[1] ✔[1]	✔ ✔ ✔ ✔ ✔ ✔ ✔ ✔[1]		✔ ✔ ✔ ✔[1] ✔[1]	✔ ✔ ✔ ✔[1] ✔[1]

1] A CZ-MA1P pipe reducer is needed on the 42 and 50, a CZ-MA2P pipe expander is needed on the 60 and CZ-MA3P pipe reducer on the 71. * Compatible only with 2 ports Outdoor CU-2Z35TBE / CU-2Z41TBE / CU-2Z50TBE.

Outdoor Multi combination model

		Model
CS-MZ16TKE / CS-MTZ16TKE CS-XZ20TKEW / CS-Z20TKEW / CS-TZ20TKEW-1 / CS-MZ20UFEA / CS-MZ20UB4EA / CS-MZ20UD3EA CS-XZ25TKEW / CS-Z25TKEW / CS-TZ25TKEW-1 / CS-Z25UFEAW / CS-Z25UB4EAW / CS-Z25UD3EAW CS-XZ35TKEW / CS-Z35TKEW / CS-TZ35TKEW-1 / CS-Z35UFEAW / CS-Z35UB4EAW / CS-Z35UD3EAW	CU-2Z35TBE / CU-2Z41TBE / CU-2Z50TBE / CU-3Z52TBE / CU-3Z68TBE / CU-4Z68TBE / CU-4Z80TBE / CU-5Z90TBE	—
CS-Z42TKEW / CS-TZ42TKEW-1 CS-XZ50TKEW / CS-Z50TKEW / CS-TZ50TKEW / CS-Z50UFEAW / CS-Z50UB4EAW / CS-Z50UD3EAW	CU-2Z50TBE / CU-3Z52TBE / CU-3Z68TBE / CU-4Z68TBE / CU-4Z80TBE / CU-5Z90TBE	CZ-MA1P
CS-TZ60TKEW / CS-Z60UB4EAW / CS-Z60UD3EAW	CU-3Z68TBE / CU-4Z68TBE / CU-4Z80TBE / CU-5Z90TBE	CZ-MA2P
CS-Z71TKEW / CS-TZ71TKEW	CU-4Z80TBE / CU-5Z90TBE	CZ-MA2P / CZ-MA3P*

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



CZ-MA1P is to be used to reduce the connection size on the indoor unit from 1/2" to 3/8".
CZ-MA2P is to be used to increase the connection size on the outdoor unit from 3/8" to 1/2".
CZ-MA3P is to be used to reduce the connection size on the indoor unit from 5/8" to 1/2".