

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⁾			HxWxD	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)	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)	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⁾	• ¹⁾	• ³⁾	•	•	•	•	• ¹⁾	• ¹⁾	• ³⁾			•	•	•	•	• ¹⁾	• ¹⁾	• ¹⁾	• ¹⁾	• ²⁾		•	•	•	• ¹⁾	• ²⁾
5	CU-5Z90TBE	4,5~18,3 kW	•	•	•	•	• ¹⁾	• 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.

