

3. Specifications

Indoor			Model		CS-BZ25ZKE			CS-BZ35ZKE			
Outdoor			Model		CU-BZ25ZKE			CU-BZ35ZKE			
Performance Test Condition					EUROVENT			EUROVENT			
Power Supply			Phase, Hz		Single, 50			Single, 50			
			V		230			230			
					Min.	Mid.	Max.	Min.	Mid.	Max.	
Cooling	Capacity		kW		0.85	2.50	3.00	0.85	3.30	3.90	
			BTU/h		2900	8530	10200	2900	11300	13300	
			kcal/h		730	2150	2580	730	2840	3350	
	Running Current		A		—	3.00	—	—	4.55	—	
	Input Power		W		210	680	900	240	1.02k	1.28k	
	Annual Consumption				—	340	—	—	510	—	
	EER CLASS				—	A	—	—	A	—	
	EER		W/W		4.05	3.68	3.33	3.54	3.24	3.05	
			BTU/hW		13.81	12.54	11.33	12.08	11.08	10.39	
			kcal/hW		3.48	3.16	2.87	3.04	2.78	2.62	
	ErP	Pdesign		kW		2.5			3.3		
		SEER		(W/W)		6.3			6.3		
		Annual Consumption		kWh		139			183		
		Class				A++			A++		
	Power Factor			%		—	99	—	—	97	—
	Indoor Noise (H / L / QLo)			Pressure Level dB(A)		37 / 26 / 20			38 / 30 / 20		
				Power Level dB(A)		53 / — / —			54 / — / —		
	Outdoor Noise (H / L / QLo)			Pressure Level dB(A)		48 / — / —			48 / — / —		
				Power Level dB(A)		64 / — / —			64 / — / —		
Heating	Capacity		kW		0.80	3.15	3.60	0.80	3.70	4.40	
			BTU/h		2730	10700	12300	2730	12600	15000	
			kcal/h		690	2710	3100	690	3180	3780	
	Running Current		A		—	3.45	—	—	4.45	—	
	Input Power		W		190	770	1.03k	195	995	1.26k	
	COP CLASS				—	A	—	—	A	—	
	COP		W/W		4.21	4.09	3.50	4.10	3.72	3.49	
			BTU/hW		14.37	13.90	11.94	14.00	12.66	11.90	
			kcal/hW		3.63	3.52	3.01	3.54	3.20	3.00	
	ErP	Pdesign		kW		1.9			2.4		
		Tbivalent		°C		-10			-10		
		SCOP		(W/W)		4.2			4.2		
		Annual Consumption		kWh		633			800		
		Class				A+			A+		
	Power Factor			%		—	97	—	—	97	—
	Indoor Noise (H / L / QLo)			Pressure Level dB(A)		36 / 27 / 24			38 / 33 / 25		
				Power Level dB(A)		52 / — / —			54 / — / —		
	Outdoor Noise (H / L / QLo)			Pressure Level dB(A)		49 / — / —			50 / — / —		
				Power Level dB(A)		64 / — / —			65 / — / —		
Low Temp. : Capacity (kW) / I.Power (W) / COP					2.61 / 910 / 2.87			3.19 / 1.12k / 2.85			
Extr Low Temp. : Capacity (kW) / I.Power (W) / COP					2.14 / 850 / 2.52			2.60 / 1.03k / 2.52			
Max Current (A) / Max Input Power (W)					4.7 / 1.03k			7.0 / 1.58k			
Starting Current (A)					3.45			4.55			

Indoor				Model	CS-BZ25ZKE	CS-BZ35ZKE
Outdoor				Model	CU-BZ25ZKE	CU-BZ35ZKE
Compressor	Type				Hermetic Motor / Rotary	Hermetic Motor / Rotary
	Motor Type				Brushless (6-poles)	Brushless (6-poles)
	Output Power			W	550	550
Indoor Fan	Type				Cross-flow Fan	Cross-flow Fan
	Material				ASG30	ASG30
	Motor Type				DC (8-poles)	DC (8-poles)
	Input Power			W	43.8	43.8
	Output Power			W	40	40
	Speed	QLo	Cool	rpm	550	550
			Heat	rpm	680	700
		Lo	Cool	rpm	730	840
			Heat	rpm	780	960
		Me	Cool	rpm	870	940
			Heat	rpm	860	1040
		Hi	Cool	rpm	1040	1060
			Heat	rpm	950	1110
		SHi	Cool	rpm	1090	1110
			Heat	rpm	1000	1160
Outdoor Fan	Type				Propeller Fan	Propeller Fan
	Material				PP	PP
	Motor Type				DC (8-poles)	DC (8-poles)
	Input Power			W	—	—
	Output Power			W	40	40
	Speed	Hi	Cool	rpm	820	860
			Heat	rpm	820	840
Moisture Removal				L/h (Pt/h)	1.5 (3.2)	1.9 (4.0)
Indoor Airflow	QLo	Cool	m³/min (ft³/min)	4.97 (176)	4.97 (176)	
		Heat	m³/min (ft³/min)	6.44 (227)	6.67 (236)	
	Lo	Cool	m³/min (ft³/min)	7.01 (248)	8.26 (292)	
		Heat	m³/min (ft³/min)	7.58 (268)	9.62 (340)	
	Me	Cool	m³/min (ft³/min)	8.60 (304)	9.39 (332)	
		Heat	m³/min (ft³/min)	8.48 (300)	10.53 (372)	
	Hi	Cool	m³/min (ft³/min)	10.50 (370)	10.80 (380)	
		Heat	m³/min (ft³/min)	9.50 (335)	11.30 (400)	
	SHi	Cool	m³/min (ft³/min)	11.09 (340)	11.32 (400)	
		Heat	m³/min (ft³/min)	10.07 (356)	11.89 (420)	
Outdoor Airflow	Hi	Cool	m³/min (ft³/min)	30.40 (1075)	31.10 (1100)	
		Heat	m³/min (ft³/min)	30.40 (1075)	31.10 (1100)	
Refrigerant Cycle	Control Device				Expansion Valve	Expansion Valve
	Refrigerant Oil			cm³	FW50S (270)	FW50S (270)
	Refrigerant Type			g (oz)	R32, 520 (18.4)	R32, 610 (21.5)
F-Gas	GWP				675	675
	CO2eq (ton) (Precharged Amount / Maximum Amount)				0.35 / 0.40	0.41 / 0.46

Indoor			Model	CS-BZ25ZKE		CS-BZ35ZKE	
Outdoor			Model	CU-BZ25ZKE		CU-BZ35ZKE	
Dimension	Unit	Height (I/D / O/D)	mm (inch)	290 (11-7/16) / 542 (21-11/32)		290 (11-7/16) / 542 (21-11/32)	
		Width (I/D / O/D)	mm (inch)	779 (30-11/16) / 780 (30-23/32)		779 (30-11/16) / 780 (30-23/32)	
		Depth (I/D / O/D)	mm (inch)	209 (8-1/4) / 289 (11-13/32)		209 (8-1/4) / 289 (11-13/32)	
Weight	Net (I/D / O/D)		kg (lb)	8 (18) / 24 (53)		8 (18) / 25 (55)	
Piping	Pipe Diameter (Liquid / Gas)		mm (inch)	6.35 (1/4) / 9.52 (3/8)		6.35 (1/4) / 9.52 (3/8)	
	Standard Length		m (ft)	5.0 (16.4)		5.0 (16.4)	
	Length Range (min – max)		m (ft)	3 (9.8) ~ 15 (49.2)		3 (9.8) ~ 15 (49.2)	
	I/D & O/D Height Different		m (ft)	15.0 (49.2)		15.0 (49.2)	
	Additional Gas Amount		g/m (oz/ft)	10 (0.1)		10 (0.1)	
	Length for Additional Gas		m (ft)	7.5 (24.6)		7.5 (24.6)	
Drain Hose	Inner Diameter		mm	16		16	
	Length		mm	550		550	
Indoor Heat Exchanger	Fin Material			Aluminium (Pre Coat)		Aluminium (Pre Coat)	
	Fin Type			Slit Fin		Slit Fin	
	Row × Stage × FPI			2 × 14 × 17		2 × 14 × 17	
	Size (W × H × L)		mm	580 × 294 × 25.4		580 × 294 × 25.4	
Outdoor Heat Exchanger	Fin Material			Aluminium (Pre Coat)		Aluminium (Pre Coat)	
	Fin Type			Corrugated Fin		Corrugated Fin	
	Row × Stage × FPI			1 × 24 × 17		1 × 24:12 × 17	
	Size (W × H × L)		mm	18.2 × 504 × 717		36.4 × 504:252 × 717.8:689.2	
Air Filter	Material			Polypropelene		Polypropelene	
	Type			One-touch		One-touch	
Power Supply				Indoor		Indoor	
Power Supply Cord				Nil		Nil	
Thermostat				Electronic Control		Electronic Control	
Protection Device				Electronic Control		Electronic Control	
				Dry Bulb	Wet Bulb	Dry Bulb	Wet Bulb
Indoor Operation Range	Cooling	Maximum °C (°F)	32 (89.6)	23 (73.4)	32 (89.6)	23 (73.4)	
		Minimum °C (°F)	16 (60.8)	11 (51.8)	16 (60.8)	11 (51.8)	
	Heating	Maximum °C (°F)	30 (86.0)	–	30 (86.0)	–	
		Minimum °C (°F)	16 (60.8)	–	16 (60.8)	–	
Outdoor Operation Range	Cooling	Maximum °C (°F)	43 (109.4)	26 (78.8)	43 (109.4)	26 (78.8)	
		Minimum °C (°F)	-10 (14.0)	–	-10 (14.0)	–	
	Heating	Maximum °C (°F)	24 (75.2)	18 (64.4)	24 (75.2)	18 (64.4)	
		Minimum °C (°F)	-15 (5.0)	-16 (3.2)	-15 (5.0)	-16 (3.2)	

- Cooling capacities are based on indoor temperature of 27°C Dry Bulb (80.6°F Dry Bulb), 19.0°C Wet Bulb (66.2°F Wet Bulb) and outdoor air temperature of 35°C Dry Bulb (95°F Dry Bulb), 24°C Wet Bulb (75.2°F Wet Bulb)
- Heating capacities are based on indoor temperature of 20°C Dry Bulb (68°F Dry Bulb) and outdoor air temperature of 7°C Dry Bulb (44.6°F Dry Bulb), 6°C Wet Bulb (42.8°F Wet Bulb)
- Heating low temperature capacity, Input Power and COP measured at 230 V, indoor temperature of 20°C, outdoor 2/1°C.
- Heating extreme low temperature capacity, Input Power and COP measured at 230 V, indoor temperature of 20°C, outdoor -7/-8°C.
- Standby power consumption ≤ 2.0W (when switched OFF by remote control, except under self-protection control).
- Specifications are subjected to change without prior notice for further improvement.
- If the EUROVENT Certified models can be operated under the “extra-low” temperature condition, -7°C DB and -8°C WB temperature with rated voltage 230V shall be used.
- The annual consumption is calculated by multiplying the input power by an average of 500 hours per year in cooling mode.
- SEER and SCOP classification is at 230V only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season.

Indoor			Model		CS-BZ50ZKE			CS-BZ60ZKE			
Outdoor			Model		CU-BZ50ZKE			CU-BZ60ZKE			
Performance Test Condition					EUROVENT			EUROVENT			
Power Supply			Phase, Hz		Single, 50			Single, 50			
			V		230			230			
					Min.	Mid.	Max.	Min.	Mid.	Max.	
Cooling	Capacity		kW		0.98	5.00	5.40	0.98	6.00	6.50	
			BTU/h		3340	17100	18400	3340	20500	22200	
			kcal/h		840	4300	4640	840	5160	5590	
	Running Current		A		—	7.30	—	—	8.80	—	
	Input Power		W		250	1.65k	1.86k	250	1.98k	2.30k	
	Annual Consumption				—	825	—	—	990	—	
	EER CLASS				—	B	—	—	B	—	
	EER		W/W		3.92	3.03	2.90	3.92	3.03	2.83	
			BTU/hW		13.36	10.36	9.89	13.36	10.35	9.65	
			kcal/hW		3.36	2.61	2.49	3.36	2.61	2.43	
	ErP	Pdesign		kW		5.0			6.0		
		SEER		(W/W)		6.5			6.4		
		Annual Consumption		kWh		269			328		
		Class				A++			A++		
	Power Factor			%		—	98	—	—	98	—
	Indoor Noise (H / L / QLo)			Pressure Level dB(A)		44 / 37 / 34			45 / 37 / 34		
				Power Level dB(A)		60 / — / —			60 / — / —		
	Outdoor Noise (H / L / QLo)			Pressure Level dB(A)		48 / — / —			50 / — / —		
				Power Level dB(A)		63 / — / —			65 / — / —		
	Heating	Capacity		kW		0.98	5.40	7.50	0.98	6.80	8.00
BTU/h				3340	18400	25600	3340	23200	27300		
kcal/h				840	4640	6450	840	5850	6880		
Running Current		A		—	7.00	—	—	9.40	—		
Input Power		W		210	1.58k	2.43k	230	2.15k	2.65k		
COP CLASS				—	B	—	—	D	—		
COP		W/W		4.67	3.42	3.09	4.26	3.16	3.02		
		BTU/hW		15.90	11.65	10.53	14.52	10.79	10.30		
		kcal/hW		4.00	2.94	2.65	3.65	2.72	2.60		
ErP		Pdesign		kW		4.0			4.4		
		Tbivalent		°C		-10			-10		
		SCOP		(W/W)		4.2			4.1		
		Annual Consumption		kWh		1333			1502		
		Class				A+			A+		
Power Factor			%		—	98	—	—	99	—	
Indoor Noise (H / L / QLo)			Pressure Level dB(A)		44 / 37 / 34			45 / 37 / 34			
			Power Level dB(A)		60 / — / —			61 / — / —			
Outdoor Noise (H / L / QLo)			Pressure Level dB(A)		49 / — / —			50 / — / —			
			Power Level dB(A)		64 / — / —			65 / — / —			
Low Temp. : Capacity (kW) / I.Power (W) / COP					5.43 / 2.15k / 2.53			5.80 / 2.35k / 2.47			
Extr Low Temp. : Capacity (kW) / I.Power (W) / COP					4.62 / 2.10k / 2.20			5.10 / 2.30k / 2.22			
Max Current (A) / Max Input Power (W)					10.8 / 2.43k			11.9 / 2.65k			
Starting Current (A)					7.30			9.40			

Indoor				Model	CS-BZ50ZKE	CS-BZ60ZKE
Outdoor				Model	CU-BZ50ZKE	CU-BZ60ZKE
Compressor	Type				Hermetic Motor / Rotary	Hermetic Motor / Rotary
	Motor Type				Brushless (6-poles)	Brushless (6-poles)
	Output Power			W	900	900
Indoor Fan	Type				Cross-flow Fan	Cross-flow Fan
	Material				ASG30	ASG30
	Motor Type				DC (8-poles)	DC (8-poles)
	Input Power			W	43.8	43.8
	Output Power			W	40	40
	Speed	QLo	Cool	rpm	960	980
			Heat	rpm	1000	1040
		Lo	Cool	rpm	1040	1070
			Heat	rpm	1090	1120
		Me	Cool	rpm	1160	1210
			Heat	rpm	1210	1280
		Hi	Cool	rpm	1280	1350
			Heat	rpm	1340	1430
		SHi	Cool	rpm	1330	1400
			Heat	rpm	1420	1480
Outdoor Fan	Type				Propeller Fan	Propeller Fan
	Material				PP	PP
	Motor Type				DC (8-poles)	DC (8-poles)
	Input Power			W	—	—
	Output Power			W	40	40
	Speed	Hi	Cool	rpm	820	770
			Heat	rpm	820	710
Moisture Removal				L/h (Pt/h)	2.8 (5.9)	3.3 (7.0)
Indoor Airflow	QLo	Cool	m³/min (ft³/min)	9.12 (322)	8.76 (309)	
		Heat	m³/min (ft³/min)	9.54 (337)	9.41 (332)	
	Lo	Cool	m³/min (ft³/min)	9.97 (352)	9.73 (344)	
		Heat	m³/min (ft³/min)	10.50 (371)	10.27 (363)	
	Me	Cool	m³/min (ft³/min)	11.24 (397)	11.24 (397)	
		Heat	m³/min (ft³/min)	11.77 (416)	11.99 (423)	
	Hi	Cool	m³/min (ft³/min)	12.50 (440)	12.7 (450)	
		Heat	m³/min (ft³/min)	13.20 (465)	13.6 (480)	
	SHi	Cool	m³/min (ft³/min)	13.04 (461)	13.28 (469)	
		Heat	m³/min (ft³/min)	13.99 (494)	14.14 (499)	
Outdoor Airflow	Hi	Cool	m³/min (ft³/min)	32.7 (1155)	42.6 (1505)	
		Heat	m³/min (ft³/min)	32.7 (1155)	39.2 (1385)	
Refrigerant Cycle	Control Device			Expansion Valve	Expansion Valve	
	Refrigerant Oil		cm³	FW50S (450)	FW50S (450)	
	Refrigerant Type		g (oz)	R32, 1070 (37.8)	R32, 1.11k (39.2)	
F-Gas	GWP			675	675	
	CO2eq (ton) (Precharged Amount / Maximum Amount)			0.72 / 0.77	0.75 / 0.98	

Indoor			Model	CS-BZ50ZKE		CS-BZ60ZKE	
Outdoor			Model	CU-BZ50ZKE		CU-BZ60ZKE	
Dimension	Unit	Height (I/D / O/D)	mm (inch)	290 (11-7/16) / 619 (24-3/8)		290 (11-7/16) / 695 (27-3/8)	
		Width (I/D / O/D)	mm (inch)	779 (30-11/16) / 824 (32-15/32)		779 (30-11/16) / 875 (34-15/32)	
		Depth (I/D / O/D)	mm (inch)	209 (8-1/4) / 299 (11-25/32)		209 (8-1/4) / 320 (12-5/8)	
Weight		Net (I/D / O/D)	kg (lb)	8 (18) / 35 (77)		9 (20) / 40 (88)	
Piping	Pipe Diameter (Liquid / Gas)		mm (inch)	6.35 (1/4) / 12.70 (1/2)		6.35 (1/4) / 12.70 (1/2)	
	Standard Length		m (ft)	5.0 (16.4)		5.0 (16.4)	
	Length Range (min – max)		m (ft)	3 (9.8) ~ 15 (49.2)		3 (9.8) ~ 30 (98.4)	
	I/D & O/D Height Different		m (ft)	15.0 (49.2)		15.0 (49.2)	
	Additional Gas Amount		g/m (oz/ft)	15 (0.2)		15 (0.2)	
	Length for Additional Gas		m (ft)	10 (32.8)		7.5 (24.6)	
Drain Hose		Inner Diameter	mm	16		16	
		Length	mm	550		550	
Indoor Heat Exchanger		Fin Material		Aluminium (Pre Coat)		Aluminium (Pre Coat)	
		Fin Type		Slit Fin		Slit Fin	
		Row × Stage × FPI		2 × 15 × 21		2 × 15 × 21	
		Size (W × H × L)	mm	580 × 315 × 25.4		580 × 315 × 25.4	
Outdoor Heat Exchanger		Fin Material		Aluminium (Pre Coat)		Aluminium (Pre Coat)	
		Fin Type		Corrugated Fin		Corrugated Fin	
		Row × Stage × FPI		2 × 28 × 17		2 × 31 × 19	
		Size (W × H × L)	mm	36.38 × 588 × 856.3:827.7		36.4 × 651 × 854.5:824.5	
Air Filter		Material		Polypropelene		Polypropelene	
		Type		One-touch		One-touch	
Power Supply				Indoor		Indoor	
Power Supply Cord				Nil		Nil	
Thermostat				Electronic Control		Electronic Control	
Protection Device				Electronic Control		Electronic Control	
				Dry Bulb	Wet Bulb	Dry Bulb	Wet Bulb
Indoor Operation Range		Cooling	Maximum °C (°F)	32 (89.6)	23 (73.4)	32 (89.6)	23 (73.4)
			Minimum °C (°F)	16 (60.8)	11 (51.8)	16 (60.8)	11 (51.8)
		Heating	Maximum °C (°F)	30 (86.0)	–	30 (86.0)	–
			Minimum °C (°F)	16 (60.8)	–	16 (60.8)	–
Outdoor Operation Range		Cooling	Maximum °C (°F)	43 (109.4)	26 (78.8)	43 (109.4)	26 (78.8)
			Minimum °C (°F)	-10 (14.0)	–	-10 (14.0)	–
		Heating	Maximum °C (°F)	24 (75.2)	18 (64.4)	24 (75.2)	18 (64.4)
			Minimum °C (°F)	-15 (5.0)	-16 (3.2)	-15 (5.0)	-16 (3.2)

- Cooling capacities are based on indoor temperature of 27°C Dry Bulb (80.6°F Dry Bulb), 19.0°C Wet Bulb (66.2°F Wet Bulb) and outdoor air temperature of 35°C Dry Bulb (95°F Dry Bulb), 24°C Wet Bulb (75.2°F Wet Bulb)
- Heating capacities are based on indoor temperature of 20°C Dry Bulb (68°F Dry Bulb) and outdoor air temperature of 7°C Dry Bulb (44.6°F Dry Bulb), 6°C Wet Bulb (42.8°F Wet Bulb)
- Heating low temperature capacity, Input Power and COP measured at 230 V, indoor temperature of 20°C, outdoor 2/1°C.
- Heating extreme low temperature capacity, Input Power and COP measured at 230 V, indoor temperature of 20°C, outdoor -7/-8°C.
- Standby power consumption ≤ 2.0W (when switched OFF by remote control, except under self-protection control).
- Specifications are subjected to change without prior notice for further improvement.
- If the EUROVENT Certified models can be operated under the “extra-low” temperature condition, -7°C DB and -8°C WB temperature with rated voltage 230V shall be used.
- The annual consumption is calculated by multiplying the input power by an average of 500 hours per year in cooling mode.
- SEER and SCOP classification is at 230V only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season.