

3. Specifications

Model			Indoor	CS-Z25UB4EAW			CS-Z35UB4EAW		
			Outdoor	CU-Z25UBEA			CU-Z35UBEA		
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	3.20	0.85	3.50	4.00
			BTU/h	2900	8530	10900	2900	11900	13600
			Kcal/h	730	2150	2750	730	3010	3440
	Running Current		A	—	2.50	—	—	4.10	—
	Input Power		W	240	550	820	240	900	1.18k
	Annual Consumption		kWh	—	275	—	—	450	—
	EER		W/W	3.54	4.55	3.90	3.54	3.89	3.39
			BTU/hW	12.08	15.51	13.29	12.08	13.22	11.53
			Kcal/hW	3.04	3.91	3.35	3.04	3.34	2.92
	ErP	Pdesign	kW	2.5			3.5		
		SEER	(W/W)	6.3			6.5		
		Annual Consumption	kWh	139			188		
		Class		A++			A++		
	Power Factor		%	—	96	—	—	95	—
	Indoor Noise (H / L / QLo)		dB-A	34 / 25 / 22			34 / 26 / 23		
			Power Level dB	50 / —			50 / —		
	Outdoor Noise (H / L)		dB-A	46 / —			48 / —		
			Power Level dB	61 / —			63 / —		
Heating	Capacity		kW	0.85	3.20	4.80	0.85	4.50	5.60
			BTU/h	2900	10900	16400	2900	15300	19100
			Kcal/h	730	2750	4130	730	3870	4820
	Running Current		A	—	3.60	—	—	6.00	—
	Input Power		W	230	790	1.32k	230	1.36k	1.75k
	COP		W/W	3.70	4.05	3.64	3.70	3.31	3.20
			BTU/hW	12.61	13.80	12.42	12.61	11.25	10.91
			Kcal/hW	3.17	3.48	3.13	3.17	2.85	2.75
	ErP	Pdesign	kW	2.7			3.0		
		Tbivalent	°C	-10			-10		
		SCOP	(W/W)	4.3			4.2		
		Annual Consumption	kWh	879			1000		
		Class		A+			A+		
	Power Factor		%	—	95	—	—	99	—
	Indoor Noise (H / L / QLo)		dB-A	35 / 28 / 25			35 / 28 / 25		
			Power Level dB	51 / —			51 / —		
	Outdoor Noise (H / L)		dB-A	47 / —			48 / —		
			Power Level dB	62 / —			63 / —		
Low Temp. : Capacity (kW) / I.Power (W) / COP				3.48 / 1.17k / 2.97			4.06 / 1.55k / 2.62		
Extr Low Temp. : Capacity (kW) / I.Power (W) / COP				2.88 / 1.19k / 2.42			3.37 / 1.60k / 2.11		
Max Current (A) / Max Input Power (W)				6.2 / 1.32k			8.0 / 1.75k		
Starting Current (A)				3.60			6.00		

Model				Indoor	CS-Z25UB4EAW	CS-Z35UB4EAW
				Outdoor	CU-Z25UBEA	CU-Z35UBEA
Compressor	Type				Hermetic Motor (Rotary)	Hermetic Motor (Rotary)
	Motor Type				Brushless (6 poles)	Brushless (6 poles)
	Output Power			W	700	700
Indoor Fan	Type				BACKWARD FAN	BACKWARD FAN
	Material				ABS	ABS
	Motor Type				DC / Transistor (8-poles)	DC / Transistor (8-poles)
	Input Power			W	—	—
	Output Power			W	40	40
	Speed	QLo	Cool	rpm	310	330
			Heat	rpm	410	410
		Lo	Cool	rpm	350	370
			Heat	rpm	440	440
		Me	Cool	rpm	450	460
			Heat	rpm	510	510
		Hi	Cool	rpm	560	560
			Heat	rpm	580	580
		SHi	Cool	rpm	600	600
			Heat	rpm	630	630
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	850
			Heat	rpm	780	830
Moisture Removal				L/h (Pt/h)	1.5 (3.2)	2.0 (4.2)
Indoor Airflow	QLo	Cool	m³/min (ft³/min.)	6.30 (222)	6.70 (237)	
		Heat	m³/min (ft³/min.)	8.00 (283)	8.00 (283)	
	Lo	Cool	m³/min (ft³/min.)	7.00 (247)	7.30 (258)	
		Heat	m³/min (ft³/min.)	8.50 (300)	8.50 (300)	
	Me	Cool	m³/min (ft³/min.)	8.70 (307)	8.80 (311)	
		Heat	m³/min (ft³/min.)	9.70 (343)	9.70 (343)	
	Hi	Cool	m³/min (ft³/min.)	10.50 (370)	10.50 (370)	
		Heat	m³/min (ft³/min.)	10.80 (380)	10.80 (380)	
	SHi	Cool	m³/min (ft³/min.)	11.20 (396)	11.20 (396)	
		Heat	m³/min (ft³/min.)	11.70 (413)	11.70 (413)	
Outdoor Airflow	Hi	Cool	m³/min (ft³/min.)	28.7 (1015)	34.3 (1210)	
		Heat	m³/min (ft³/min.)	27.2 (960)	33.5 (1185)	
Refrigeration Cycle	Control Device			Expansion Valve	Expansion Valve	
	Refrigerant Oil		cm³	FW50S (320)	FW50S (320)	
	Refrigerant Type		g (oz)	R32, 880 (31.1)	R32, 930 (32.8)	
F-Gas	GWP			675	675	
	CO2eq (ton) (Precharged Amount / Maximum Charged Amount)			0.594 / 0.678	0.628 / 0.712	
Dimension	Height (I/D / O/D / PANEL)		mm (inch)	260 (10-1/4) / 542 (21-11/32) / 51 (2-1/32)	260 (10-1/4) / 619 (24-3/8) / 51 (2-1/32)	
	Width (I/D / O/D / PANEL)		mm (inch)	575 (22-21/32) / 780 (30-23/32) / 700 (27-9/16)	575 (22-21/32) / 824 (32-15/32) / 700 (27-9/16)	
	Depth (I/D / O/D / PANEL)		mm (inch)	575 (22-21/32) / 289 (11-13/32) / 700 (27-9/16)	575 (22-21/32) / 299 (11-25/32) / 700 (27-9/16)	

Model		Indoor	CS-Z25UB4EAW		CS-Z35UB4EAW	
		Outdoor	CU-Z25UBEA		CU-Z35UBEA	
Weight	Net (I/D / O/D / PANEL)	kg (lb)	18 (40) / 33 (73) / 2.5 (6)		18 (40) / 35 (77) / 2.5 (6)	
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) ~ 20 (65.6)		3 (9.8) ~ 20 (65.6)	
	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	30		30	
	Length	mm	193		193	
Indoor Heat Exchanger	Fin Material		Aluminium (Pre Coat)		Aluminium (Pre Coat)	
	Fin Type		Slit Fin		Slit Fin	
	Row × Stage × FPI		2 × 10 × 18		2 × 10 × 18	
	Size (W × H × L)	mm	1330:1270 × 210 × 25.4		1330:1270 × 210 × 25.4	
Outdoor Heat Exchanger	Fin Material		Aluminium		Aluminium	
	Fin Type		Corrugated Fin		Corrugated Fin	
	Row × Stage × FPI		2 × 24 × 19		2 × 28 × 17	
	Size (W × H × L)	mm	36.4 × 504 × 824.2:793.7		36.38 × 588 × 856.3:827.7	
Air Filter	Material		–		–	
	Type		–		–	
Power Supply			Outdoor		Outdoor	
Power Supply Cord		A	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	32	23	32	23
		Minimum °C	16	11	16	11
	Heating	Maximum °C	30	–	30	–
		Minimum °C	16	–	16	–
Outdoor Operation Range	Cooling	Maximum °C	43	26	43	26
		Minimum °C	-10	–	-10	–
	Heating	Maximum °C	24	18	24	18
		Minimum °C	-15	-16	-15	-16

- 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 20°C, outdoor 2/1°C.
- Heating extreme low temperature capacity, Input Power and COP measured at 230 V, indoor temperature 20°C, outdoor -7/-8°C.
- Standby power consumption ≤10.0w (when switched OFF by remote control, except under self protection control).
- Specifications are subjected to change without prior notice for further improvement.

Model			Indoor	CS-Z50UB4EAW			CS-Z60UB4EAW		
			Outdoor	CU-Z50UBEA			CU-Z60UBEA		
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	0.90	5.00	5.80	0.90	6.00	6.35
			BTU/h	3070	17100	19800	3070	20500	21700
			Kcal/h	770	4300	4990	770	5160	5460
	Running Current		A	—	6.80	—	—	9.00	—
	Input Power		W	255	1.54k	1.88k	255	2.05k	2.20k
	Annual Consumption		kWh	—	770	—	—	1025	—
	EER		W/W	3.53	3.25	3.09	3.53	2.93	2.89
			BTU/hW	12.04	11.10	10.53	12.04	10.00	9.86
			Kcal/hW	3.02	2.79	2.65	3.02	2.52	2.48
	ErP	Pdesign	kW	5.0			6.0		
		SEER	(W/W)	6.4			6.2		
		Annual Consumption	kWh	273			339		
		Class		A++			A++		
	Power Factor		%	—	98	—	—	99	—
	Indoor Noise (H / L / QLo)		dB-A	37 / 28 / 25			42 / 32 / 29		
			Power Level dB	53 / —			58 / —		
	Outdoor Noise (H / L)		dB-A	48 / —			49 / —		
			Power Level dB	63 / —			64 / —		
Heating	Capacity		kW	0.90	5.60	7.10	0.90	7.00	8.00
			BTU/h	3070	19100	24200	3070	23900	27300
			Kcal/h	770	4820	6110	770	6020	6880
	Running Current		A	—	8.20	—	—	10.50	—
	Input Power		W	260	1.85k	2.41k	260	2.40k	2.75k
	COP		W/W	3.46	3.03	2.95	3.46	2.92	2.91
			BTU/hW	11.81	10.32	10.04	11.81	9.96	9.93
			Kcal/hW	2.96	2.61	2.54	2.96	2.51	2.50
	ErP	Pdesign	kW	3.8			4.0		
		Tbivalent	°C	-10			-10		
		SCOP	(W/W)	4.3			4.2		
		Annual Consumption	kWh	1237			1333		
		Class		A+			A+		
	Power Factor		%	—	98	—	—	99	—
	Indoor Noise (H / L / QLo)		dB-A	38 / 29 / 26			43 / 32 / 29		
			Power Level dB	54 / —			59 / —		
	Outdoor Noise (H / L)		dB-A	48 / —			50 / —		
			Power Level dB	63 / —			65 / —		
Low Temp. : Capacity (kW) / I.Power (W) / COP				5.14 / 2.13k / 2.41			5.80 / 2.43k / 2.39		
Extr Low Temp. : Capacity (kW) / I.Power (W) / COP				4.40 / 2.25k / 1.96			5.10 / 2.45k / 2.08		
Max Current (A) / Max Input Power (W)				10.8 / 2.41k			12.4 / 2.75k		
Starting Current (A)				8.20			10.50		

Model				Indoor	CS-Z50UB4EAW	CS-Z60UB4EAW
				Outdoor	CU-Z50UBEA	CU-Z60UBEA
Compressor	Type				Hermetic Motor (Rotary)	Hermetic Motor (Rotary)
	Motor Type				Brushless (4 poles)	Brushless (4 poles)
	Output Power			W	900	900
Indoor Fan	Type				BACKWARD FAN	BACKWARD FAN
	Material				ABS	ABS
	Motor Type				DC / Transistor (8-poles)	DC / Transistor (8-poles)
	Input Power			W	—	—
	Output Power			W	40	40
	Speed	QLo	Cool	rpm	360	450
			Heat	rpm	430	450
		Lo	Cool	rpm	390	480
			Heat	rpm	450	510
		Me	Cool	rpm	500	590
			Heat	rpm	540	660
		Hi	Cool	rpm	620	700
			Heat	rpm	640	750
		SHi	Cool	rpm	670	750
			Heat	rpm	690	820
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	720	770
			Heat	rpm	700	750
Moisture Removal				L/h (Pt/h)	2.8 (5.9)	3.3 (7.0)
Indoor Airflow	QLo	Cool	m³/min (ft³/min.)	7.20 (254)	7.50 (265)	
		Heat	m³/min (ft³/min.)	8.30 (293)	7.50 (265)	
	Lo	Cool	m³/min (ft³/min.)	7.70 (272)	8.10 (286)	
		Heat	m³/min (ft³/min.)	8.70 (307)	8.70 (307)	
	Me	Cool	m³/min (ft³/min.)	9.50 (335)	10.30 (364)	
		Heat	m³/min (ft³/min.)	10.20 (360)	11.70 (413)	
	Hi	Cool	m³/min (ft³/min.)	11.5 (405)	12.4 (440)	
		Heat	m³/min (ft³/min.)	11.8 (415)	13.5 (475)	
	SHi	Cool	m³/min (ft³/min.)	12.30 (434)	13.40 (473)	
		Heat	m³/min (ft³/min.)	12.70 (448)	14.80 (523)	
Outdoor Airflow	Hi	Cool	m³/min (ft³/min.)	39.7 (1400)	42.6 (1505)	
		Heat	m³/min (ft³/min.)	38.6 (1365)	41.5 (1465)	
Refrigeration Cycle	Control Device			Expansion Valve	Expansion Valve	
	Refrigerant Oil		cm³	FW50S (450)	FW50S (450)	
	Refrigerant Type		g (oz)	R32, 1.13k (39.9)	R32, 1.13k (39.9)	
F-Gas	GWP			675	675	
	CO2eq (ton) (Precharged Amount / Maximum Charged Amount)			0.763 / 0.991	0.763 / 0.991	
Dimension	Height (I/D / O/D / PANEL)		mm (inch)	260 (10-1/4) / 695 (27-3/8) / 51 (2-1/32)		260 (10-1/4) / 695 (27-3/8) / 51 (2-1/32)
	Width (I/D / O/D / PANEL)		mm (inch)	575 (22-21/32) / 875 (34-15/32) / 700 (27-9/16)		575 (22-21/32) / 875 (34-15/32) / 700 (27-9/16)
	Depth (I/D / O/D / PANEL)		mm (inch)	575 (22-21/32) / 320 (12-5/8) / 700 (27-9/16)		575 (22-21/32) / 320 (12-5/8) / 700 (27-9/16)

Model		Indoor	CS-Z50UB4EAW		CS-Z60UB4EAW	
		Outdoor	CU-Z50UBEA		CU-Z60UBEA	
Weight	Net (I/D / O/D / PANEL)	kg (lb)	18 (40) / 43 (95) / 2.5 (6)		18 (40) / 43 (95) / 2.5 (6)	
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) ~ 30 (98.4)		3 (9.8) ~ 30 (98.4)	
	I/D & O/D Height different	m (ft)	20.0 (65.6)		20.0 (65.6)	
	Additional Gas Amount	g/m (oz/ft)	15 (0.2)		15 (0.2)	
	Length for Additional Gas	m (ft)	7.5 (24.6)		7.5 (24.6)	
Drain Hose	Inner Diameter	mm	30		30	
	Length	mm	193		193	
Indoor Heat Exchanger	Fin Material		Aluminium (Pre Coat)		Aluminium (Pre Coat)	
	Fin Type		Slit Fin		Slit Fin	
	Row × Stage × FPI		2 × 10 × 18		2 × 10 × 20	
	Size (W × H × L)	mm	1330:1270 × 210 × 25.4		1330:1270 × 210 × 25.4	
Outdoor Heat Exchanger	Fin Material		Aluminium		Aluminium	
	Fin Type		Corrugated Fin (Pre Coat)		Corrugated Fin (Pre Coat)	
	Row × Stage × FPI		2 × 31 × 19		2 × 31 × 19	
	Size (W × H × L)	mm	36.4 × 651 × 854.5:824.5		36.4 × 651 × 854.5:824.5	
Air Filter	Material		–		–	
	Type		–		–	
Power Supply			Outdoor		Outdoor	
Power Supply Cord		A	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	32	23	32	23
		Minimum °C	16	11	16	11
	Heating	Maximum °C	30	–	30	–
		Minimum °C	16	–	16	–
Outdoor Operation Range	Cooling	Maximum °C	43	26	43	26
		Minimum °C	-10	–	-10	–
	Heating	Maximum °C	24	18	24	18
		Minimum °C	-15	-16	-15	-16

- 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 20°C, outdoor 2/1°C.
- Heating extreme low temperature capacity, Input Power and COP measured at 230 V, indoor temperature 20°C, outdoor -7/-8°C.
- Standby power consumption ≤10.0w (when switched OFF by remote control, except under self protection control).
- Specifications are subjected to change without prior notice for further improvement.