

3. Specifications

Model			Indoor	CS-Z25UD3EAW			CS-Z35UD3EAW		
			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	—	2.70	—	—	4.10	—
	Input Power		W	240	580	850	240	910	1.19k
	Annual Consumption		kWh	—	290	—	—	455	—
	EER		W/W	3.54	4.31	3.76	3.54	3.85	3.36
			BTU/hW	12.08	14.71	12.82	12.08	13.08	11.43
			Kcal/hW	3.04	3.71	3.24	3.04	3.31	2.89
	ErP	Pdesign	kW	2.5			3.5		
		SEER	(W/W)	5.9			5.8		
		Annual Consumption	kWh	148			211		
		Class		A+			A+		
	Power Factor		%	—	93	—	—	97	—
	Indoor Noise (H / L / QLo)		dB-A	33 / 27 / 24			33 / 27 / 24		
			Power Level dB	49 / —			49 / —		
	Outdoor Noise (H / L)		dB-A	46 / —			48 / —		
			Power Level dB	61 / —			63 / —		
Heating	Capacity		kW	0.85	3.20	4.60	0.85	4.20	5.10
			BTU/h	2900	10900	15700	2900	14300	17400
			Kcal/h	730	2750	3960	730	3610	4390
	Running Current		A	—	3.60	—	—	4.90	—
	Input Power		W	230	800	1.25k	230	1.10k	1.42k
	COP		W/W	3.70	4.00	3.68	3.70	3.82	3.59
			BTU/hW	12.61	13.63	12.56	12.61	13.00	12.25
			Kcal/hW	3.17	3.44	3.17	3.17	3.28	3.09
	ErP	Pdesign	kW	2.6			2.8		
		Tbivalent	°C	-10			-10		
		SCOP	(W/W)	4.2			4.1		
		Annual Consumption	kWh	867			956		
		Class		A+			A+		
	Power Factor		%	—	97	—	—	98	—
	Indoor Noise (H / L / QLo)		dB-A	35 / 27 / 24			35 / 27 / 24		
			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				3.33 / 1.11k / 3.00			3.70 / 1.26k / 2.94		
Extr Low Temp. : Capacity (kW) / I.Power (W) / COP				2.60 / 1.20k / 2.17			3.00 / 1.25k / 2.40		
Max Current (A) / Max Input Power (W)				5.6 / 1.25k			6.6 / 1.42k		
Starting Current (A)				3.60			4.90		

Model				Indoor	CS-Z25UD3EAW		CS-Z35UD3EAW	
				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				SIROCCO		SIROCCO	
	Material				GFZ010A / GF20		GFZ010A / GF20	
	Motor Type				DC / Transistor (8-poles)		DC / Transistor (8-poles)	
	Input Power			W	—		—	
	Output Power			W	51		51	
	Speed	QLo	Cool	rpm	800		800	
			Heat	rpm	790		790	
		Lo	Cool	rpm	880		880	
			Heat	rpm	860		860	
		Me	Cool	rpm	990		1010	
			Heat	rpm	980		1000	
		Hi	Cool	rpm	1100		1140	
			Heat	rpm	1100		1140	
		SHi	Cool	rpm	1150		1190	
			Heat	rpm	1150		1190	
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.)	7.4 (261)		7.2 (254)		
		Heat	m³/min (ft³/min.)	7.3 (258)		7.1 (251)		
	Lo	Cool	m³/min (ft³/min.)	8.2 (290)		8.2 (290)		
		Heat	m³/min (ft³/min.)	8.0 (283)		7.9 (279)		
	Me	Cool	m³/min (ft³/min.)	9.3 (328)		9.5 (335)		
		Heat	m³/min (ft³/min.)	9.3 (328)		9.5 (335)		
	Hi	Cool	m³/min (ft³/min.)	10.5 (370)		11.2 (395)		
		Heat	m³/min (ft³/min.)	10.5 (370)		11.2 (395)		
	SHi	Cool	m³/min (ft³/min.)	11.1 (392)		11.7 (413)		
		Heat	m³/min (ft³/min.)	11.1 (392)		11.7 (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)		mm (inch)	200 (7-7/8) / 542 (21-11/32)		200 (7-7/8) / 619 (24-3/8)		
	Width (I/D / O/D)		mm (inch)	750 (29-17/32) / 780 (30-23/32)		750 (29-17/32) / 824 (32-15/32)		
	Depth (I/D / O/D)		mm (inch)	640 (25-7/32) / 289 (11-13/32)		640 (25-7/32) / 299 (11-25/32)		

Model		Indoor	CS-Z25UD3EAW		CS-Z35UD3EAW	
		Outdoor	CU-Z25UBEA		CU-Z35UBEA	
Weight	Net (I/D / O/D)	kg (lb)	19 (42) / 33 (73)		19 (42) / 35 (77)	
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	16		16	
	Length	mm	117.5		117.5	
Indoor Heat Exchanger	Fin Material		Aluminium (Pre Coat)		Aluminium (Pre Coat)	
	Fin Type		Slit Fin		Slit Fin	
	Row × Stage × FPI		3 × 12 × 18		3 × 12 × 18	
	Size (W × H × L)	mm	590 × 282 × 38.1		590 × 282 × 38.1	
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 Contol		Electronic Contol	
Protection Device			Electronic Contol		Electronic Contol	
			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-Z50UD3EAW			CS-Z60UD3EAW			
			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	5.10	5.70	0.90	6.00	6.50	
			BTU/h	3070	17400	19400	3070	20500	22200	
			Kcal/h	770	4390	4900	770	5160	5590	
	Running Current		A	—	6.90	—	—	9.00	—	
	Input Power		W	255	1.56k	1.78k	255	2.04k	2.30k	
	Annual Consumption		kWh	—	780	—	—	1020	—	
	EER		W/W	3.53	3.27	3.20	3.53	2.94	2.83	
			BTU/hW	12.04	11.15	10.90	12.04	10.05	9.65	
			Kcal/hW	3.02	2.81	2.75	3.02	2.53	2.43	
	ErP	Pdesign	kW	5.1			6.0			
		SEER	(W/W)	5.9			5.6			
		Annual Consumption	kWh	303			375			
		Class		A+			A+			
	Power Factor		%	—	98	—	—	99	—	
	Indoor Noise (H / L / QLo)		dB-A	39 / 29 / 26			41 / 30 / 27			
			Power Level dB	55 / —			57 / —			
	Outdoor Noise (H / L)		dB-A	48 / —			49 / —			
			Power Level dB	63 / —			64 / —			
	Heating	Capacity		kW	0.90	6.10	7.20	0.90	7.00	8.00
				BTU/h	3070	20800	24600	3070	23900	27300
Kcal/h				770	5250	6190	770	6020	6880	
Running Current		A	—	8.00	—	—	9.70	—		
Input Power		W	260	1.82k	2.20k	260	2.16k	2.60k		
COP		W/W	3.46	3.35	3.27	3.46	3.24	3.08		
		BTU/hW	11.81	11.43	11.18	11.81	11.06	10.50		
		Kcal/hW	2.96	2.88	2.81	2.96	2.79	2.65		
ErP		Pdesign	kW	4.0			4.6			
		Tbivalent	°C	-10			-10			
		SCOP	(W/W)	4.1			4.1			
		Annual Consumption	kWh	1366			1571			
		Class		A+			A+			
Power Factor		%	—	99	—	—	97	—		
Indoor Noise (H / L / QLo)		dB-A	39 / 30 / 27			41 / 32 / 29				
		Power Level dB	55 / —			57 / —				
Outdoor Noise (H / L)		dB-A	48 / —			50 / —				
		Power Level dB	63 / —			65 / —				
Low Temp. : Capacity (kW) / I.Power (W) / COP				5.22 / 1.95k / 2.68			5.80 / 2.30k / 2.52			
Extr Low Temp. : Capacity (kW) / I.Power (W) / COP				4.50 / 1.95k / 2.31			5.10 / 2.32k / 2.20			
Max Current (A) / Max Input Power (W)				9.9 / 2.20k			12.3 / 2.70k			
Starting Current (A)				8.00			9.70			

Model				Indoor	CS-Z50UD3EAW	CS-Z60UD3EAW
				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				SIROCCO	SIROCCO
	Material				GFZ010A / GF20	GFZ010A / GF20
	Motor Type				DC / Transistor (8-poles)	DC / Transistor (8-poles)
	Input Power			W	—	—
	Output Power			W	51	51
	Speed	QLo	Cool	rpm	920	920
			Heat	rpm	920	920
		Lo	Cool	rpm	940	980
			Heat	rpm	980	1000
		Me	Cool	rpm	1190	1230
			Heat	rpm	1210	1240
		Hi	Cool	rpm	1440	1480
			Heat	rpm	1440	1480
		SHi	Cool	rpm	1490	1530
			Heat	rpm	1490	1530
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.)	8.9 (314)	8.9 (314)	
		Heat	m³/min (ft³/min.)	8.9 (314)	8.7 (307)	
	Lo	Cool	m³/min (ft³/min.)	9.2 (325)	9.4 (332)	
		Heat	m³/min (ft³/min.)	9.6 (339)	9.7 (343)	
	Me	Cool	m³/min (ft³/min.)	12.1 (427)	12.6 (445)	
		Heat	m³/min (ft³/min.)	12.4 (438)	12.7 (448)	
	Hi	Cool	m³/min (ft³/min.)	15.30 (540)	15.70 (555)	
		Heat	m³/min (ft³/min.)	15.30 (540)	15.70 (555)	
	SHi	Cool	m³/min (ft³/min.)	15.9 (562)	16.4 (579)	
		Heat	m³/min (ft³/min.)	15.9 (562)	16.0 (565)	
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)		mm (inch)	200 (7-7/8) / 695 (27-3/8)	200 (7-7/8) / 695 (27-3/8)	
	Width (I/D / O/D)		mm (inch)	750 (29-17/32) / 875 (34-15/32)	750 (29-17/32) / 875 (34-15/32)	
	Depth (I/D / O/D)		mm (inch)	640 (25-7/32) / 320 (12-5/8)	640 (25-7/32) / 320 (12-5/8)	

Model		Indoor	CS-Z50UD3EAW		CS-Z60UD3EAW	
		Outdoor	CU-Z50UBEA		CU-Z60UBEA	
Weight	Net (I/D / O/D)	kg (lb)	19 (42) / 43 (95)		19 (42) / 43 (95)	
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	16		16	
	Length	mm	117.5		117.5	
Indoor Heat Exchanger	Fin Material		Aluminium (Pre Coat)		Aluminium (Pre Coat)	
	Fin Type		Slit Fin		Slit Fin	
	Row × Stage × FPI		3 × 12 × 18		3 × 12 × 18	
	Size (W × H × L)	mm	590 × 282 × 38.1		590 × 282 × 38.1	
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.