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	m^3/min (ft^3/min.)	7.4 (261)	7.2 (254)
			Heat	m^3/min (ft^3/min.)	7.3 (258)	7.1 (251)
		Lo	Cool	m^3/min (ft^3/min.)	8.2 (290)	8.2 (290)
			Heat	m^3/min (ft^3/min.)	8.0 (283)	7.9 (279)
		Me	Cool	m^3/min (ft^3/min.)	9.3 (328)	9.5 (335)
			Heat	m^3/min (ft^3/min.)	9.3 (328)	9.5 (335)
		Hi	Cool	m^3/min (ft^3/min.)	10.5 (370)	11.2 (395)
			Heat	m^3/min (ft^3/min.)	10.5 (370)	11.2 (395)
		SHi	Cool	m^3/min (ft^3/min.)	11.1 (392)	11.7 (413)
			Heat	m^3/min (ft^3/min.)	11.1 (392)	11.7 (413)
Outdoor Airflow		Hi	Cool	m^3/min (ft^3/min.)	28.7 (1015)	34.3 (1210)
			Heat	m^3/min (ft^3/min.)	27.2 (960)	33.5 (1185)
Refrigeration Cycle	Control Device				Expansion Valve	Expansion Valve
	Refrigerant Oil			cm^3	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

1. 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).
2. 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).
3. Heating low temperature capacity, Input Power and COP measured at 230 V, indoor temperature 20°C, outdoor 2/1°C.
4. Heating extreme low temperature capacity, Input Power and COP measured at 230 V, indoor temperature 20°C, outdoor -7/-8°C.
5. Standby power consumption ≤10.0w (when switched OFF by remote control, except under self protection control).
6. 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	m^3/min (ft^3/min.)	8.9 (314)	8.9 (314)
			Heat	m^3/min (ft^3/min.)	8.9 (314)	8.7 (307)
		Lo	Cool	m^3/min (ft^3/min.)	9.2 (325)	9.4 (332)
			Heat	m^3/min (ft^3/min.)	9.6 (339)	9.7 (343)
		Me	Cool	m^3/min (ft^3/min.)	12.1 (427)	12.6 (445)
			Heat	m^3/min (ft^3/min.)	12.4 (438)	12.7 (448)
		Hi	Cool	m^3/min (ft^3/min.)	15.30 (540)	15.70 (555)
			Heat	m^3/min (ft^3/min.)	15.30 (540)	15.70 (555)
		SHi	Cool	m^3/min (ft^3/min.)	15.9 (562)	16.4 (579)
			Heat	m^3/min (ft^3/min.)	15.9 (562)	16.0 (565)
Outdoor Airflow		Hi	Cool	m^3/min (ft^3/min.)	39.7 (1400)	42.6 (1505)
			Heat	m^3/min (ft^3/min.)	38.6 (1365)	41.5 (1465)
Refrigeration Cycle	Control Device				Expansion Valve	Expansion Valve
	Refrigerant Oil			cm^3	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 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

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