3. Specifications

Model			Indoor	CS-Z25CFEAW			CS-Z35CFEAW		
			Outdoor	CU-Z25CBEA			CU-Z35CBEA		
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	3.40	0.85	3.50	3.80
			BTU/h	2900	8530	11600	2900	11900	13000
			kcal/h	730	2150	2920	730	3010	3270
	Running Current		A	–	2.50	–	–	3.90	–
	Input Power		W	240	520	900	240	860	1.02k
	Annual Consumption		kWh	–	260	–	–	430	–
	EER CLASS			–	A	–	–	A	–
	EER		W/W	3.54	4.81	3.78	3.54	4.07	3.73
			BTU/hW	12.08	16.40	12.89	12.08	13.84	12.75
			kcal/hW	3.04	4.13	3.24	3.04	3.50	3.21
	ErP	Pdesign	kW	2.5			3.5		
		SEER	(W/W)	7.9			8.1		
		Annual Consumption	kWh	111			151		
		Class		A++			A++		
	Power Factor		%	–	90	–	–	96	–
	Indoor Noise (H / L / QLo)		Pressure Level dB(A)	38 / 25 / 20			39 / 26 / 20		
			Power Level dB(A)	54 / – / –			55 / – / –		
	Outdoor Noise (H / L / QLo)		Pressure Level dB(A)	46 / – / –			48 / – / –		
			Power Level dB(A)	61 / – / –			63 / – / –		
Heating	Capacity		kW	0.85	3.40	5.00	0.85	4.30	6.00
			BTU/h	2900	11600	17100	2900	14700	20500
			kcal/h	730	2920	4300	730	3700	5160
	Running Current		A	–	3.50	–	–	4.80	–
	Input Power		W	240	760	1.35k	240	1.08k	1.75k
	COP CLASS			–	A	–	–	A	–
	COP		W/W	3.54	4.47	3.70	3.54	3.98	3.43
			BTU/hW	12.08	15.26	12.67	12.08	13.61	11.71
			kcal/hW	3.04	3.84	3.19	3.04	3.43	2.95
	ErP	Pdesign	kW	2.7			3.2		
		Tbivalent	°C	-10			-10		
		SCOP	(W/W)	4.6			4.6		
		Annual Consumption	kWh	822			974		
		Class		A++			A++		
	Power Factor		%	–	94	–	–	98	–
	Indoor Noise (H / L / QLo)		Pressure Level dB(A)	38 / 25 / 19			39 / 26 / 19		
			Power Level dB(A)	54 / – / –			55 / – / –		
	Outdoor Noise (H / L / QLo)		Pressure Level dB(A)	47 / – / –			48 / – / –		
			Power Level dB(A)	62 / – / –			63 / – / –		
LOW TEMP. : Capacity (kW) / I.Power (W) / COP				3.62 / 1.19k / 3.04			4.35 / 1.55k / 2.81		
EXTREME LOW TEMP. : Capacity (kW) / I.Power (W) / COP				2.88 / 1.18k / 2.44			3.37 / 1.41k / 2.39		
Max Current (A) / Max Input Power (W)				6.2 / 1.35k			8.0 / 1.75k		
Starting Current (A)				3.50			4.80		
Maximum High Pressure			MPa (bar)	5.0 (50.0)			5.0 (50.0)		
Design / Operating Pressure, PS			MPa (bar) H.P. / L.P.	4.15 (41.5) / 2.55 (25.5)			4.15 (41.5) / 2.55 (25.5)		
Network Impedance			W max.	–			–		

Model				Indoor	CS-Z25CFEAW	CS-Z35CFEAW
				Outdoor	CU-Z25CBEA	CU-Z35CBEA
Compressor					Hermetic Motor (Rotary)	Hermetic Motor (Rotary)
	Motor Type				Brushless (6 poles)	Brushless (6 poles)
	Output Power			W	700	700
Indoor Fan	Type				Cross Flow Fan	Cross Flow Fan
	Material				ASG33	ASG33
	Motor Type				DC Motor (8-poles)	DC Motor (8-poles)
	Input Power			W	67	67
	Output Power			W	30	30
	Speed	QLo	Cool	rpm	520	520
			Heat	rpm	520	520
		Lo	Cool	rpm	610	630
			Heat	rpm	620	640
		Me	Cool	rpm	810	830
			Heat	rpm	840	860
		Hi	Cool	rpm	1020	1030
			Heat	rpm	1060	1070
		SHi	Cool	rpm	1070	1080
			Heat	rpm	1110	1120
Outdoor Fan	Type				Propeller Fan	Propeller Fan
	Material				PP	PP
	Motor Type				DC Motor (8-poles)	DC Motor (8-poles)
	Input Power			W	–	–
	Output Power			W	40	40
	Speed	Hi	Cool	rpm	820	850
			Heat	rpm	780	790
Moisture Removal				L/h (Pt/h)	1.5 (3.2)	2.0 (4.2)
Indoor Airflow		QLo	Cool	m^3/min (ft^3/min.)	5.0 (177)	5.0 (177)
			Heat	m^3/min (ft^3/min.)	5.0 (177)	5.0 (177)
		Lo	Cool	m^3/min (ft^3/min.)	5.8 (205)	6.0 (212)
			Heat	m^3/min (ft^3/min.)	5.9 (208)	6.1 (215)
		Me	Cool	m^3/min (ft^3/min.)	7.7 (272)	7.9 (278)
			Heat	m^3/min (ft^3/min.)	8.0 (283)	8.2 (290)
		Hi	Cool	m^3/min (ft^3/min.)	9.6 (340)	9.7 (340)
			Heat	m^3/min (ft^3/min.)	10.0 (355)	10.1 (355)
		SHi	Cool	m^3/min (ft^3/min.)	10.1 (357)	10.2 (360)
			Heat	m^3/min (ft^3/min.)	10.5 (371)	10.6 (374)
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)	31.8 (1125)
Refrigeration Cycle	Control Device				Expansion Valve	Expansion Valve
	Refrigerant Oil			cm^3	FW50S (320)	FW50S (320)
	Refrigerant Type			kg (oz)	R32, 0.88 (31.1)	R32, 0.97 (34.2)
F-Gas	GWP				675	675
	CO2eq (t) (Precharged Amount / Maximum Charged Amount)				0.59 / 0.68	0.65 / 0.74
Dimension	Height (I/D / O/D)			mm (inch)	600 (23-5/8) / 542 (21-11/32)	600 (23-5/8) / 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)	207 (8-5/32) / 289 (11-13/32)	207 (8-5/32) / 299 (11-25/32)

Model			Indoor	CS-Z25CFEAW		CS-Z35CFEAW	
			Outdoor	CU-Z25CBEA		CU-Z35CBEA	
Weight		Net (I/D / O/D)	kg (lb)	13 (29) / 32 (71)		13 (29) / 33 (73)	
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	16.2		16.2	
	Length		mm	270		270	
Indoor Heat Exchanger	Fin Material			Aluminium (Pre Coat)		Aluminium (Pre Coat)	
	Fin Type			Slit Fin		Slit Fin	
	Row × Stage × FPI			2 × 17 × 21		2 × 17 × 21	
	Size (W × H × L)		mm	554 × 357 × 25.4		554 × 357 × 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	36.38 × 504 × 824.2:793.7		36.38 × 588 × 856.3:827.7	
Air Filter	Material			Polypropelene		Polypropelene	
	Type			One-touch		One-touch	
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 (°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)

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. SEER and SCOP classification is at 230 V only in accordance with EN-14825. For heating, SCOP indicates the value of only average heating season.
6. The annual consumption is calculated by multiplying the input power by an average of 500 hours per year in cooling mode.
7. Specifications are subjected to change without prior notice for further improvement.

Model			Indoor	CS-Z50CFEAW		
			Outdoor	CU-Z50CBEA		
Performance Test Condition				EUROVENT		
Power Supply			Phase, Hz	Single, 50		
			V	230		
				Min.	Mid.	Max.
Cooling	Capacity		kW	0.90	5.00	5.70
			BTU/h	3070	17100	19400
			kcal/h	770	4300	4900
	Running Current		A	–	6.20	–
	Input Power		W	255	1.39k	1.81k
	Annual Consumption		kWh	–	695	–
	EER CLASS			–	A	–
	EER		W/W	3.53	3.60	3.15
			BTU/hW	12.04	12.30	10.72
			Kcal/hW	3.02	3.09	2.71
	ErP	Pdesign	kW	5.0		
		SEER	(W/W)	6.7		
		Annual Consumption	kWh	261		
		Class		A++		
	Power Factor		%	–	97	–
	Indoor Noise (H / L / QLo)		Pressure Level dB(A)	44 / 31 / 27		
			Power Level dB(A)	60 / – / –		
	Outdoor Noise (H / L / QLo)		Pressure Level dB(A)	48 / – / –		
			Power Level dB(A)	63 / – / –		
Heating	Capacity		kW	0.90	5.80	8.10
			BTU/h	3070	19800	27600
			kcal/h	770	4990	6970
	Running Current		A	–	7.00	–
	Input Power		W	260	1.55k	2.60k
	COP CLASS			–	A	–
	COP		W/W	3.46	3.74	3.12
			BTU/hW	11.81	12.77	10.62
			kcal/hW	2.96	3.22	2.68
	ErP	Pdesign	kW	4.4		
		Tbivalent	°C	-10		
		SCOP	(W/W)	4.3		
		Annual Consumption	kWh	1433		
		Class		A+		
	Power Factor		%	–	96	–
	Indoor Noise (H / L / QLo)		Pressure Level dB(A)	46 / 33 / 29		
			Power Level dB(A)	62 / – / –		
	Outdoor Noise (H / L / QLo)		Pressure Level dB(A)	48 / – / –		
			Power Level dB(A)	63 / – / –		
LOW TEMP. : Capacity (kW) / I.Power (W) / COP				5.87 / 2.30k / 2.55		
EXTREME LOW TEMP. : Capacity (kW) / I.Power (W) / COP				5.03 / 2.06k / 2.44		
Max Current (A) / Max Input Power (W)				11.4 / 2.60k		
Starting Current (A)				7.00		
Maximum High Pressure			MPa (bar)	5.0 (50.0)		
Design / Operating Pressure, PS			MPa (bar) H.P. / L.P.	4.15 (41.5) / 2.55 (25.5)		
Network Impedance			W max.	–		

Model				Indoor	CS-Z50CFEAW
				Outdoor	CU-Z50CBEA
Compressor	Type				Hermetic Motor (Rotary)
	Motor Type				Brushless (4 poles)
	Output Power			W	900
Indoor Fan	Type				Cross Flow Fan
	Material				ASG33
	Motor Type				DC Motor (8-poles)
	Input Power			W	67
	Output Power			W	30
	Speed	QLo	Cool	rpm	670
			Heat	rpm	740
		Lo	Cool	rpm	750
			Heat	rpm	830
		Me	Cool	rpm	990
			Heat	rpm	1130
		Hi	Cool	rpm	1240
			Heat	rpm	1420
		SHi	Cool	rpm	1290
			Heat	rpm	1470
Outdoor Fan	Type				Propeller Fan
	Material				PP
	Motor Type				DC (8-poles)
	Input Power			W	–
	Output Power			W	40
	Speed	Hi	Cool	rpm	720
			Heat	rpm	660
Moisture Removal				L/h (Pt/h)	2.8 (5.9)
Indoor Airflow		QLo	Cool	m^3/min (ft^3/min.)	6.4 (226)
			Heat	m^3/min (ft^3/min.)	7.0 (247)
		Lo	Cool	m^3/min (ft^3/min.)	7.1 (251)
			Heat	m^3/min (ft^3/min.)	7.9 (279)
		Me	Cool	m^3/min (ft^3/min.)	9.4 (332)
			Heat	m^3/min (ft^3/min.)	10.7 (378)
		Hi	Cool	m^3/min (ft^3/min.)	11.9 (420)
			Heat	m^3/min (ft^3/min.)	13.4 (475)
		SHi	Cool	m^3/min (ft^3/min.)	12.2 (431)
			Heat	m^3/min (ft^3/min.)	13.8 (487)
Outdoor Airflow		Hi	Cool	m^3/min (ft^3/min.)	39.7 (1400)
			Heat	m^3/min (ft^3/min.)	36.4 (1285)
Refrigeration Cycle	Control Device				Expansion Valve
	Refrigerant Oil			cm^3	FW50S (450)
	Refrigerant Type			kg (oz)	R32, 1.13 (39.9)
F-Gas	GWP				675
	CO2eq (t) (Precharged Amount / Maximum Charged Amount)				0.76 / 0.99
Dimension	Height (I/D / O/D)			mm (inch)	600 (23-5/8) / 695 (27-3/8)
	Width (I/D / O/D)			mm (inch)	750 (29-17/32) / 875 (34-15/32)
	Depth (I/D / O/D)			mm (inch)	207 (8-5/32) / 320 (12-5/8)

Model			Indoor	CS-Z50CFEAW	
			Outdoor	CU-Z50CBEA	
Weight		Net (I/D / O/D)	kg (lb)	13 (29) / 43 (95)	
Piping	Pipe Diameter (Liquid / Gas)		mm (inch)	6.35 (1/4) / 12.70 (1/2)	
	Standard length		m (ft)	5.0 (16.4)	
	Length range (min – max)		m (ft)	3 (9.8) ~ 30 (98.4)	
	I/D & O/D Height different		m (ft)	20.0 (65.6)	
	Additional Gas Amount		g/m (oz/ft)	15 (0.2)	
	Length for Additional Gas		m (ft)	7.5 (24.6)	
Drain Hose	Inner Diameter		mm	16.2	
	Length		mm	270	
Indoor Heat Exchanger	Fin Material			Aluminium (Pre Coat)	
	Fin Type			Slit Fin	
	Row × Stage × FPI			2 × 17 × 21	
	Size (W × H × L)		mm	554 × 357 × 25.4	
Outdoor Heat Exchanger	Fin Material			Aluminium	
	Fin Type			Corrugated Fin (Pre Coat)	
	Row × Stage × FPI			2 × 31 × 19	
	Size (W × H × L)		mm	36.38 × 651 × 854.5:824.5	
Air Filter	Material			Polypropelene	
	Type			One-touch	
Power Supply				Outdoor	
Power Supply Cord			A	Nil	
Thermostat				Electronic Control	
Protection Device				Electronic Control	
				Dry Bulb	Wet Bulb
Indoor Operation Range	Cooling		Maximum °C (°F)	32 (89.6)	23 (73.4)
			Minimum °C (°F)	16 (60.8)	11 (51.8)
	Heating		Maximum °C (°F)	30 (86.0)	–
			Minimum °C (°F)	16 (60.8)	–
Outdoor Operation Range	Cooling		Maximum °C (°F)	43 (109.4)	26 (78.8)
			Minimum °C (°F)	-10 (14.0)	–
	Heating		Maximum °C (°F)	24 (75.2)	18 (64.4)
			Minimum °C (°F)	-15 (5.0)	-16 (3.2)

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. SEER and SCOP classification is at 230 V only in accordance with EN-14825. For heating, SCOP indicates the value of only average heating season.
6. The annual consumption is calculated by multiplying the input power by an average of 500 hours per year in cooling mode.
7. Specifications are subjected to change without prior notice for further improvement.