3. Specifications

Model			Indoor	CS-TZ20CKEW			CS-TZ25CKEW		
			Outdoor	CU-TZ20CKE			CU-TZ25CKE		
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	0.75	2.00	2.50	0.85	2.50	3.00
			BTU/h	2560	6820	8530	2900	8530	10200
			kcal/h	650	1720	2150	730	2150	2580
	Running Current		A	–	2.20	–	–	2.90	–
	Input Power		W	180	490	640	210	650	880
	Annual Consumption		kWh	–	245	–	–	325	–
	EER		W/W	4.17	4.08	3.91	4.05	3.85	3.41
			BTU/hW	14.22	13.92	13.33	13.81	13.12	11.59
			kcal/hW	3.61	3.51	3.36	3.48	3.31	2.93
	ErP	Pdesign	kW	2.0			2.5		
		SEER	(W/W)	7.0			7.3		
		Annual Consumption	kWh	100			120		
		Class		A++			A++		
	Power Factor		%	–	97	–	–	97	–
	Indoor Noise (H / L / QLo)		Pressure Level (dB(A))	37 / 25 / 20			40 / 26 / 20		
			Power Level dB	53 / – / –			56 / – / –		
	Outdoor Noise (H / L)		Pressure Level (dB(A))	46 / –			47 / –		
			Power Level dB	61 / –			62 / –		
Heating	Capacity		kW	0.70	2.70	3.60	0.80	3.30	4.10
			BTU/h	2390	9210	12300	2730	11300	14000
			kcal/h	600	2320	3100	690	2840	3530
	Running Current		A	–	2.90	–	–	3.50	–
	Input Power		W	165	650	1.02k	190	790	1.12k
	COP		W/W	4.24	4.15	3.53	4.21	4.18	3.66
			BTU/hW	14.48	14.17	12.06	14.37	14.30	12.50
			kcal/hW	3.64	3.57	3.04	3.63	3.59	3.15
	ErP	Pdesign	kW	2.1			2.4		
		Tbivalent	°C	-10			-10		
		SCOP	(W/W)	4.6			4.6		
		Annual Consumption	kWh	639			730		
		Class		A++			A++		
	Power Factor		%	–	97	–	–	98	–
	Indoor Noise (H / L / QLo)		Pressure Level (dB(A))	38 / 26 / 21			40 / 27 / 21		
			Power Level dB	54 / – / –			56 / – / –		
	Outdoor Noise (H / L)		Pressure Level (dB(A))	47 / –			48 / –		
			Power Level dB	62 / –			63 / –		
Low Temp. : Capacity (kW) / I.Power (W) / COP				2.61 / 900 / 2.90			2.97 / 990 / 3.00		
Extr Low Temp. : Capacity (kW) / I.Power (W) / COP				2.35 / 920 / 2.55			2.70 / 1.01k / 2.67		
Max Current (A) / Max Input Power (W)				4.5 / 1.02k			4.9 / 1.12k		
Starting Current (A)				2.90			3.50		
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)		

Model				Indoor	CS-TZ20CKEW	CS-TZ25CKEW
				Outdoor	CU-TZ20CKE	CU-TZ25CKE
Compressor	Type				Hermetic Motor (Rotary)	Hermetic Motor (Rotary)
	Motor Type				Synchronous Electric Motor (6 poles)	Synchronous Electric Motor (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	45.9	45.9
	Output Power			W	40	40
	Speed	QLo	Cool	rpm	550	560
			Heat	rpm	560	620
		Lo	Cool	rpm	670	690
			Heat	rpm	700	720
		Me	Cool	rpm	810	890
			Heat	rpm	840	920
		Hi	Cool	rpm	950	1090
			Heat	rpm	990	1130
		SHi	Cool	rpm	1000	1140
			Heat	rpm	1040	1180
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	800	830
			Heat	rpm	800	800
Moisture Removal				L/h (Pt/h)	1.3 (2.7)	1.5 (3.2)
Indoor Airflow		QLo	Cool	m^3 /min (ft^3 /min)	5.12 (181)	4.50 (159)
			Heat	m^3 /min (ft^3 /min)	5.24 (185)	5.23 (185)
		Lo	Cool	m^3 /min (ft^3 /min)	6.59 (233)	6.09 (215)
			Heat	m^3 /min (ft^3 /min)	6.95 (245)	6.45 (228)
		Me	Cool	m^3 /min (ft^3 /min)	8.29 (293)	8.53 (301)
			Heat	m^3 /min (ft^3 /min)	8.66 (306)	8.90 (314)
		Hi	Cool	m^3 /min (ft^3 /min)	10.00 (355)	11.00 (390)
			Heat	m^3 /min (ft^3 /min)	10.50 (370)	11.50 (405)
		SHi	Cool	m^3 /min (ft^3 /min)	10.61 (375)	11.58 (409)
			Heat	m^3 /min (ft^3 /min)	11.10 (392)	12.07 (426)
Outdoor Airflow		Hi	Cool	m^3 /min (ft^3 /min)	29.70 (1050)	30.00 (1060)
			Heat	m^3 /min (ft^3 /min)	29.70 (1050)	28.90 (1020)
Refrigeration Cycle	Control Device				Expansion Valve	Expansion Valve
	Refrigerant Oil			cm^3	FW50S (270)	FW50S (270)
	Refrigerant Type			kg (oz)	R32, 0.50 (17.7)	R32, 0.58 (20.5)
F-Gas	GWP				675	675
	CO_2eq (ton) (Precharged Amount / Maximum Charged Amount)				0.34 / 0.39	0.39 / 0.44
Dimension	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)	765 (30-1/8) / 780 (30-23/32)	765 (30-1/8) / 780 (30-23/32)
	Depth (I/D / O/D)			mm (inch)	214 (8-7/16) / 289 (11-13/32)	214 (8-7/16) / 289 (11-13/32)
Weight	Net (I/D / O/D)			kg (lb)	9 (20) / 24 (53)	9 (20) / 25 (55)

Model			Indoor	CS-TZ20CKEW		CS-TZ25CKEW	
			Outdoor	CU-TZ20CKE		CU-TZ25CKE	
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	16.7		16.7	
	Length		mm	500		500	
Indoor Heat Exchanger	Fin Material			Aluminium (Pre Coat)		Aluminium (Pre Coat)	
	Fin Type			Slit Fin		Slit Fin	
	Row × Stage × FPI			2 × 14 × 17		2 × 15 × 21	
	Size (W × H × L)		mm	560 × 315 × 25.4		560 × 315 × 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			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. Standby power consumption ≤2.0W (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-TZ35CKEW			CS-TZ42CKEW		
			Outdoor	CU-TZ35CKE			CU-TZ42CKE		
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	3.50	4.00	0.85	4.20	4.60
			BTU/h	2900	11900	13600	2900	14300	15700
			kcal/h	730	3010	3440	730	3610	3960
	Running Current		A	–	4.40	–	–	5.50	–
	Input Power		W	235	980	1.20k	235	1.25k	1.64k
	Annual Consumption		kWh	–	490	–	–	625	–
	EER		W/W	3.62	3.57	3.33	3.62	3.36	2.80
			BTU/hW	12.34	12.14	11.33	12.34	11.44	9.57
			kcal/hW	3.11	3.07	2.87	3.11	2.89	2.41
	ErP	Pdesign	kW	3.5			4.2		
		SEER	(W/W)	7.3			6.6		
		Annual Consumption	kWh	168			223		
		Class		A++			A++		
	Power Factor		%	–	97	–	–	99	–
	Indoor Noise (H / L / QLo)		Pressure Level (dB(A))	42 / 30 / 20			44 / 31 / 25		
			Power Level dB	58 / – / –			60 / – / –		
	Outdoor Noise (H / L)		Pressure Level (dB(A))	48 / –			49 / –		
			Power Level dB	63 / –			64 / –		
Heating	Capacity		kW	0.80	4.00	5.10	0.80	5.00	6.80
			BTU/h	2730	13600	17400	2730	17100	23200
			kcal/h	690	3440	4390	690	4300	5850
	Running Current		A	–	4.35	–	–	5.90	–
	Input Power		W	195	990	1.38k	195	1.34k	2.04k
	COP		W/W	4.10	4.04	3.70	4.10	3.73	3.33
			BTU/hW	14.00	13.74	12.61	14.00	12.76	11.37
			kcal/hW	3.54	3.47	3.18	3.54	3.21	2.87
	ErP	Pdesign	kW	2.8			3.6		
		Tbivalent	°C	-10			-10		
		SCOP	(W/W)	4.6			4.1		
		Annual Consumption	kWh	852			1229		
		Class		A++			A+		
	Power Factor		%	–	99	–	–	99	–
	Indoor Noise (H / L / QLo)		Pressure Level (dB(A))	42 / 33 / 21			44 / 35 / 28		
			Power Level dB	58 / – / –			60 / – / –		
	Outdoor Noise (H / L)		Pressure Level (dB(A))	50 / –			51 / –		
			Power Level dB	65 / –			66 / –		
Low Temp. : Capacity (kW) / I.Power (W) / COP				3.70 / 1.22k / 3.03			4.93 / 1.81k / 2.72		
Extr Low Temp. : Capacity (kW) / I.Power (W) / COP				3.30 / 1.31k / 2.52			3.90 / 1.65k / 2.36		
Max Current (A) / Max Input Power (W)				6.3 / 1.38k			8.9 / 2.04k		
Starting Current (A)				4.40			5.90		
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)		

Model				Indoor	CS-TZ35CKEW	CS-TZ42CKEW
				Outdoor	CU-TZ35CKE	CU-TZ42CKE
Compressor	Type				Hermetic Motor (Rotary)	Hermetic Motor (Rotary)
	Motor Type				Synchronous Electric Motor (6 poles)	Synchronous Electric Motor (6 poles)
	Output Power			W	700	700
Indoor Fan	Type				Cross-Flow Fan	Cross-Flow Fan
	Material				ASG30	ASG30
	Motor Type				DC (8-poles)	DC (8-poles)
	Input Power			W	45.9	45.9
	Output Power			W	30	30
	Speed	QLo	Cool	rpm	580	680
			Heat	rpm	620	750
		Lo	Cool	rpm	780	810
			Heat	rpm	900	940
		Me	Cool	rpm	960	1010
			Heat	rpm	1040	1100
		Hi	Cool	rpm	1160	1220
			Heat	rpm	1200	1280
		SHi	Cool	rpm	1210	1270
			Heat	rpm	1250	1310
Outdoor Fan	Type				Propeller Fan	Propeller Fan
	Material				PP	PP
	Motor Type				DC (6-poles)	DC (8-poles)
	Input Power			W	–	–
	Output Power			W	40	40
	Speed	Hi	Cool	rpm	830	880
			Heat	rpm	860	840
Moisture Removal				L/h (Pt/h)	2.0 (4.2)	2.4 (5.1)
Indoor Airflow		QLo	Cool	m³/min (ft³/min)	4.74 (167)	5.96 (210)
			Heat	m³/min (ft³/min)	5.23 (185)	6.82 (241)
		Lo	Cool	m³/min (ft³/min)	7.19 (254)	7.55 (267)
			Heat	m³/min (ft³/min)	8.65 (306)	9.14 (323)
		Me	Cool	m³/min (ft³/min)	9.38 (331)	10.00 (353)
			Heat	m³/min (ft³/min)	10.36 (366)	11.09 (392)
		Hi	Cool	m³/min (ft³/min)	11.80 (415)	12.60 (445)
			Heat	m³/min (ft³/min)	12.30 (435)	13.30 (470)
		SHi	Cool	m³/min (ft³/min)	12.44 (439)	13.17 (465)
			Heat	m³/min (ft³/min)	12.93 (457)	13.66 (482)
Outdoor Airflow		Hi	Cool	m³/min (ft³/min)	28.70 (1015)	31.00 (1095)
			Heat	m³/min (ft³/min)	29.70 (1050)	29.50 (1040)
Refrigeration Cycle	Control Device				Expansion Valve	Expansion Valve
	Refrigerant Oil			cm³	FW50S (320)	FW50S (320)
	Refrigerant Type			g (oz)	R32, 0.68 (24.0)	R32, 0.79 (27.9)
F-Gas	GWP				675	675
	CO_2eq (ton) (Precharged Amount / Maximum Charged Amount)				0.46 / 0.51	0.53 / 0.58
Dimension	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)	765 (30-1/8) / 780 (30-23/32)	765 (30-1/8) / 780 (30-23/32)
	Depth (I/D / O/D)			mm (inch)	214 (8-7/16) / 289 (11-13/32)	214 (8-7/16) / 289 (11-13/32)
Weight	Net (I/D / O/D)			kg (lb)	9 (20) / 30 (66)	9 (20) / 31 (68)

Model			Indoor	CS-TZ35CKEW		CS-TZ42CKEW	
			Outdoor	CU-TZ35CKE		CU-TZ42CKE	
Piping	Pipe Diameter (Liquid / Gas)		mm (inch)	6.35 (1/4) / 9.52 (3/8)		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) ~ 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	16.7		16.7	
	Length		mm	500		500	
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	560 × 315 × 25.4		560 × 315 × 25.4	
Outdoor Heat Exchanger	Fin Material			Aluminium (Pre Coat)		Aluminium (Pre Coat)	
	Fin Type			Corrugated Fin		Corrugated Fin	
	Row × Stage × FPI			2 × 24 × 17		2 × 24 × 19	
	Size (W × H × L)		mm	36.4 × 504 × 717.8:689.2		36.4 × 504 × 824.3:795.7	
Air Filter	Material			Polypropelene		Polypropelene	
	Type			One-touch		One-touch	
Power Supply				Indoor		Indoor	
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. Standby power consumption ≤2.0W (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-TZ50CKEW			CS-TZ60CKEW		
			Outdoor	CU-TZ50CKE			CU-TZ60CKE		
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	5.60	0.98	6.00	6.60
			BTU/h	3340	17100	19100	3340	20500	22500
			kcal/h	840	4300	4820	840	5160	5680
	Running Current		A	–	7.00	–	–	8.10	–
	Input Power		W	250	1.60k	1.89k	250	1.85k	2.30k
	Annual Consumption		kWh	–	800	–	–	925	–
	EER		W/W	3.92	3.13	2.96	3.92	3.24	2.87
			BTU/hW	13.36	10.69	10.11	13.36	11.08	9.78
			kcal/hW	3.36	2.69	2.55	3.36	2.79	2.47
	ErP	Pdesign	kW	5.0			6.0		
		SEER	(W/W)	6.9			6.9		
		Annual Consumption	kWh	254			304		
		Class		A++			A++		
	Power Factor		%	–	99	–	–	99	–
	Indoor Noise (H / L / QLo)		Pressure Level (dB(A))	44 / 37 / 33			45 / 37 / 34		
			Power Level dB	60 / – / –			60 / – / –		
	Outdoor Noise (H / L)		Pressure Level (dB(A))	48 / –			49 / –		
			Power Level dB	63 / –			64 / –		
Heating	Capacity		kW	0.98	5.80	7.50	0.98	7.00	8.20
			BTU/h	3340	19800	25600	3340	23900	28000
			kcal/h	840	4990	6450	840	6020	7050
	Running Current		A	–	7.60	–	–	8.30	–
	Input Power		W	210	1.70k	2.30k	210	1.88k	2.30k
	COP		W/W	4.67	3.41	3.26	4.67	3.72	3.57
			BTU/hW	15.90	11.65	11.13	15.90	12.71	12.17
			kcal/hW	4.00	2.94	2.80	4.00	3.20	3.07
	ErP	Pdesign	kW	4.0			4.4		
		Tbivalent	°C	-10			-10		
		SCOP	(W/W)	4.5			4.3		
		Annual Consumption	kWh	1244			1433		
		Class		A+			A+		
	Power Factor		%	–	97	–	–	98	–
	Indoor Noise (H / L / QLo)		Pressure Level (dB(A))	44 / 37 / 33			45 / 37 / 34		
			Power Level dB	60 / – / –			61 / – / –		
	Outdoor Noise (H / L)		Pressure Level (dB(A))	49 / –			51 / –		
			Power Level dB	64 / –			66 / –		
Low Temp. : Capacity (kW) / I.Power (W) / COP				5.43 / 2.04k / 2.66			5.94 / 2.04k / 2.91		
Extr Low Temp. : Capacity (kW) / I.Power (W) / COP				4.62 / 2.00k / 2.31			4.90 / 1.87k / 2.62		
Max Current (A) / Max Input Power (W)				10.5 / 2.30k			10.8 / 2.45k		
Starting Current (A)				7.60			8.30		
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)		

Model				Indoor	CS-TZ50CKEW	CS-TZ60CKEW
				Outdoor	CU-TZ50CKE	CU-TZ60CKE
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	ASG33
	Motor Type				DC (8-poles)	DC (8-poles)
	Input Power			W	45.9	53.1
	Output Power			W	30	40
	Speed	QLo	Cool	rpm	860	810
			Heat	rpm	900	810
		Lo	Cool	rpm	970	880
			Heat	rpm	1020	890
		Me	Cool	rpm	1090	1000
			Heat	rpm	1160	1030
		Hi	Cool	rpm	1220	1110
			Heat	rpm	1280	1160
		SHi	Cool	rpm	1270	1160
			Heat	rpm	1310	1210
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	890
Moisture Removal				L/h (Pt/h)	2.8 (5.9)	3.3 (7.0)
Indoor Airflow		QLo	Cool	m³/min (ft³/min)	8.16 (288)	13.68 (483)
			Heat	m³/min (ft³/min)	8.72 (308)	13.68 (483)
		Lo	Cool	m³/min (ft³/min)	9.51 (336)	15.14 (535)
			Heat	m³/min (ft³/min)	10.20 (360)	15.35 (542)
		Me	Cool	m³/min (ft³/min)	10.97 (387)	17.64 (623)
			Heat	m³/min (ft³/min)	11.93 (421)	18.26 (645)
		Hi	Cool	m³/min (ft³/min)	12.60 (445)	19.90 (700)
			Heat	m³/min (ft³/min)	13.40 (475)	21.00 (740)
		SHi	Cool	m³/min (ft³/min)	13.17 (465)	20.97 (741)
			Heat	m³/min (ft³/min)	13.77 (486)	22.01 (777)
Outdoor Airflow		Hi	Cool	m³/min (ft³/min)	32.70 (1155)	34.40 (1215)
			Heat	m³/min (ft³/min)	32.70 (1155)	35.60 (1255)
Refrigeration Cycle	Control Device				Expansion Valve	Expansion Valve
	Refrigerant Oil			cm³	FW50S (450)	FW50S (450)
	Refrigerant Type			g (oz)	R32, 1.03k (36.4)	R32, 1.22k (43.1)
F-Gas	GWP				675	675
	CO_2eq (ton) (Precharged Amount / Maximum Charged Amount)				0.70 / 0.80	0.82 / 1.03
Dimension	Height (I/D / O/D)			mm (inch)	290 (11-7/16) / 619 (24-3/8)	295 (11-5/8) / 619 (24-3/8)
	Width (I/D / O/D)			mm (inch)	765 (30-1/8) / 824 (32-15/32)	1060 (41-3/4) / 824 (32-15/32)
	Depth (I/D / O/D)			mm (inch)	214 (8-7/16) / 299 (11-25/32)	249 (9-13/16) / 299 (11-25/32)
Weight	Net (I/D / O/D)			kg (lb)	9 (20) / 35 (77)	14 (31) / 36 (79)

Model			Indoor	CS-TZ50CKEW		CS-TZ60CKEW	
			Outdoor	CU-TZ50CKE		CU-TZ60CKE	
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) ~ 20 (65.6)		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)		10.0 (32.8)	
Drain Hose	Inner Diameter		mm	16.7		16.7	
	Length		mm	500		500	
Indoor Heat Exchanger	Fin Material			Aluminium (Pre Coat)		Aluminium (Pre Coat)	
	Fin Type			Slit Fin		Slit Fin	
	Row × Stage × FPI			2 × 15 × 21		2 × 16 × 21	
	Size (W × H × L)		mm	560 × 315 × 25.4		814.5 x 336 x 25.4	
Outdoor Heat Exchanger	Fin Material			Aluminium (Pre Coat)		Aluminium (Pre Coat)	
	Fin Type			Corrugated Fin		Corrugated Fin	
	Row × Stage × FPI			2 x 28 x 17		2 × 28 × 17	
	Size (W × H × L)		mm	36.38 × 588 × 856.3:827.7		36.38 × 588 × 856.3:827.7	
Air Filter	Material			Polypropelene		Polypropelene	
	Type			One-touch		One-touch	
Power Supply				Indoor		Indoor	
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 (°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. Standby power consumption ≤2.0W (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-TZ71CKEW		
			Outdoor	CU-TZ71CKE		
Performance Test Condition				EUROVENT		
Power Supply			Phase, Hz	Single, 50		
			V	230		
				Min.	Mid.	Max.
Cooling	Capacity		kW	0.98	7.10	8.40
			BTU/h	3340	24200	28600
			kcal/h	840	6110	7220
	Running Current		A	–	9.70	–
	Input Power		W	420	2.20k	3.00k
	Annual Consumption		kWh	–	1100	–
	EER		W/W	2.33	3.23	2.80
			BTU/hW	7.95	11.00	9.53
			kcal/hW	2.00	2.78	2.41
	ErP	Pdesign	kW	7.1		
		SEER	(W/W)	6.3		
		Annual Consumption	kWh	394		
		Class		A++		
	Power Factor		%	–	99	–
	Indoor Noise (H / L / QLo)		Pressure Level (dB(A)	47 / 38 / 35		
			Power Level dB	63 / – / –		
	Outdoor Noise (H / L)		Pressure Level (dB(A)	52 / –		
			Power Level dB	66 / –		
Heating	Capacity		kW	0.98	8.20	10.20
			BTU/h	3340	28000	34800
			kcal/h	840	7050	8770
	Running Current		A	–	9.70	–
	Input Power		W	400	2.21k	3.10k
	COP		W/W	2.45	3.71	3.29
			BTU/hW	8.35	12.67	11.23
			kcal/hW	2.10	3.19	2.83
	ErP	Pdesign	kW	5.5		
		Tbivalent	°C	-10		
		SCOP	(W/W)	4.1		
		Annual Consumption	kWh	1878		
		Class		A+		
	Power Factor		%	–	99	–
	Indoor Noise (H / L / QLo)		Pressure Level (dB(A)	47 / 38 / 35		
			Power Level dB	63 / – / –		
	Outdoor Noise (H / L)		Pressure Level (dB(A)	54 / –		
			Power Level dB	68 / –		
Low Temp. : Capacity (kW) / I.Power (W) / COP				7.39 / 2.74k / 2.70		
Extr Low Temp. : Capacity (kW) / I.Power (W) / COP				6.31 / 2.60k / 2.43		
Max Current (A) / Max Input Power (W)				14.2 / 3.20k		
Starting Current (A)				9.70		
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)		

Model				Indoor	CS-TZ71CKEW
				Outdoor	CU-TZ71CKE
Compressor	Type				Hermetic Motor (Rotary)
	Motor Type				Brushless (6-poles)
	Output Power			W	1.50k
Indoor Fan	Type				Cross-Flow Fan
	Material				ASG33
	Motor Type				DC / Transistor (8-poles)
	Input Power			W	53.1
	Output Power			W	30
	Speed	QLo	Cool	rpm	840
			Heat	rpm	860
		Lo	Cool	rpm	930
			Heat	rpm	940
		Me	Cool	rpm	1070
			Heat	rpm	1100
		Hi	Cool	rpm	1220
			Heat	rpm	1280
		SHi	Cool	rpm	1270
			Heat	rpm	1330
Outdoor Fan	Type				Propeller Fan
	Material				PP
	Motor Type				DC (8-poles)
	Input Power			W	–
	Output Power			W	40
	Speed	Hi	Cool	rpm	820
			Heat	rpm	840
Moisture Removal				L/h (Pt/h)	4.1 (8.7)
Indoor Airflow		QLo	Cool	m³/min (ft³/min)	12.93 (457)
			Heat	m³/min (ft³/min)	13.32 (470)
		Lo	Cool	m³/min (ft³/min)	14.71 (519)
			Heat	m³/min (ft³/min)	14.90 (526)
		Me	Cool	m³/min (ft³/min)	17.47 (617)
			Heat	m³/min (ft³/min)	18.07 (638)
		Hi	Cool	m³/min (ft³/min)	20.40 (720)
			Heat	m³/min (ft³/min)	21.60 (760)
		SHi	Cool	m³/min (ft³/min)	21.43 (757)
			Heat	m³/min (ft³/min)	22.62 (799)
Outdoor Airflow		Hi	Cool	m³/min (ft³/min)	44.7 (1580)
			Heat	m³/min (ft³/min)	45.8 (1615)
Refrigeration Cycle	Control Device				Expansion Valve
	Refrigerant Oil			cm³	FW50S (600)
	Refrigerant Type			g (oz)	R32, 1.32k (46.6)
F-Gas	GWP				675
	CO2eq (ton) (Precharged Amount / Maximum Charged Amount)				0.89 / 1.23
Dimension	Height (I/D / O/D)			mm (inch)	295 (11-5/8) / 695 (27-3/8)
	Width (I/D / O/D)			mm (inch)	1060 (41-3/4) / 875 (34-15/32)
	Depth (I/D / O/D)			mm (inch)	249 (9-13/16) / 320 (12-5/8)
Weight	Net (I/D / O/D)			kg (lb)	15 (33) / 45 (99)

Model			Indoor	CS-TZ71CKEW	
			Outdoor	CU-TZ71CKE	
Piping	Pipe Diameter (Liquid / Gas)		mm (inch)	6.35 (1/4) / 15.88 (5/8)	
	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)	25 (0.3)	
	Length for Additional Gas		m (ft)	10 (32.8)	
Drain Hose	Inner Diameter		mm	16.7	
	Length		mm	500	
Indoor Heat Exchanger	Fin Material			Aluminium (Pre Coat)	
	Fin Type			Slit Fin	
	Row × Stage × FPI			2 × 16 × 21	
	Size (W × H × L)		mm	814.5 x 336 x 25.4	
Outdoor Heat Exchanger	Fin Material			Aluminium (Pre Coat)	
	Fin Type			Corrugated Fin	
	Row × Stage × FPI			2 × 31 × 19	
	Size (W × H × L)		mm	36.4 × 651 × 904.5:874.5	
Air Filter	Material			Polypropelene	
	Type			One-touch	
Power Supply				Indoor	
Power Supply Cord			A	Nil	
Thermostat				Electronic Contol	
Protection Device				Electronic Contol	
				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. Standby power consumption ≤2.0W (when switched OFF by remote control, except under self protection control).
6. Specifications are subjected to change without prior notice for further improvement.