

3. Specifications

Model			Indoor	CS-TZ20ZKEW			CS-TZ25ZKEW		
			Outdoor	CU-TZ20ZKE			CU-TZ25ZKE		
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			7.1		
		Annual Consumption	kWh	100			123		
		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 / 22			40 / 27 / 22		
			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				2.14 / 840 / 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		

Model				Indoor	CS-TZ20ZKEW	CS-TZ25ZKEW
				Outdoor	CU-TZ20ZKE	CU-TZ25ZKE
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	43.8	43.8
	Output Power			W	40	40
	Speed	QLo	Cool	rpm	550	600
			Heat	rpm	630	660
		Lo	Cool	rpm	700	730
			Heat	rpm	720	770
		Me	Cool	rpm	840	930
			Heat	rpm	880	970
		Hi	Cool	rpm	990	1140
			Heat	rpm	1030	1180
		SHi	Cool	rpm	1040	1190
			Heat	rpm	1080	1230
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	m³/min (ft³/min)	4.97 (175)	5.30 (187)	
		Heat	m³/min (ft³/min)	5.87 (207)	5.94 (210)	
	Lo	Cool	m³/min (ft³/min)	6.67 (235)	6.68 (236)	
		Heat	m³/min (ft³/min)	6.90 (244)	7.10 (251)	
	Me	Cool	m³/min (ft³/min)	8.26 (292)	8.80 (311)	
		Heat	m³/min (ft³/min)	8.71 (308)	9.22 (326)	
	Hi	Cool	m³/min (ft³/min)	9.90 (350)	11.00 (390)	
		Heat	m³/min (ft³/min)	10.40 (365)	11.50 (405)	
	SHi	Cool	m³/min (ft³/min)	10.53 (372)	11.56 (408)	
		Heat	m³/min (ft³/min)	10.98 (388)	11.98 (423)	
Outdoor Airflow	Hi	Cool	m³/min (ft³/min)	29.70 (1050)	30.00 (1060)	
		Heat	m³/min (ft³/min)	29.70 (1050)	28.90 (1020)	
Refrigeration Cycle	Control Device			Expansion Valve	Expansion Valve	
	Refrigerant Oil		cm³	FW50S (270)	FW50S (270)	
	Refrigerant Type		kg (oz)	R32, 0.52 (18.4)	R32, 0.61 (21.5)	
F-Gas	GWP			675	675	
	CO ² eq (ton) (Precharged Amount / Maximum Charged Amount)			0.35 / 0.40	0.41 / 0.46	
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)	779 (30-11/16) / 780 (30-23/32)	779 (30-11/16) / 780 (30-23/32)	
	Depth (I/D / O/D)		mm (inch)	209 (8-1/4) / 289 (11-13/32)	209 (8-1/4) / 289 (11-13/32)	
Weight	Net (I/D / O/D)		kg (lb)	8 (18) / 24 (53)	8 (18) / 25 (55)	

Model		Indoor	CS-TZ20ZKEW		CS-TZ25ZKEW	
		Outdoor	CU-TZ20ZKE		CU-TZ25ZKE	
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	550		550	
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	580 × 294 × 25.4		580 × 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)

- 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 ≤2.0W (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-TZ35ZKEW			CS-TZ42ZKEW		
			Outdoor	CU-TZ35ZKE			CU-TZ42ZKE		
Performance Test Condition				EUROVENT			EUROVENT		
Power Supply			Phase, Hz	Single, 50			Single, 50		
			V				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	—	4.30	—	—	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)	6.8			6.4		
		Annual Consumption	kWh	180			230		
		Class		A++			A++		
	Power Factor		%	—	99	—	—	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 / 22			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)				6.2 / 1.38k			9.0 / 2.04k		
Starting Current (A)				4.35			5.90		

Model				Indoor	CS-TZ35ZKEW	CS-TZ42ZKEW
				Outdoor	CU-TZ35ZKE	CU-TZ42ZKE
Compressor	Type				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				ASG30	ASG30
	Motor Type				DC (8-poles)	DC (8-poles)
	Input Power			W	43.8	43.8
	Output Power			W	40	40
	Speed	QLo	Cool	rpm	640	740
			Heat	rpm	660	810
		Lo	Cool	rpm	850	880
			Heat	rpm	970	1010
		Me	Cool	rpm	1030	1080
			Heat	rpm	1110	1170
		Hi	Cool	rpm	1210	1280
			Heat	rpm	1260	1340
		SHi	Cool	rpm	1260	1330
			Heat	rpm	1310	1400
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	880
Moisture Removal			L/h (Pt/h)	2.0 (4.2)	2.4 (5.1)	
Indoor Airflow	QLo	Cool	m³/min (ft³/min)	5.73 (202)	6.79 (240)	
		Heat	m³/min (ft³/min)	5.94 (209)	7.53 (265)	
	Lo	Cool	m³/min (ft³/min)	7.95 (280)	8.27 (292)	
		Heat	m³/min (ft³/min)	9.22 (325)	9.65 (340)	
	Me	Cool	m³/min (ft³/min)	9.86 (348)	10.39 (366)	
		Heat	m³/min (ft³/min)	10.71 (378)	11.34 (400)	
	Hi	Cool	m³/min (ft³/min)	11.80 (415)	12.50 (440)	
		Heat	m³/min (ft³/min)	12.30 (435)	13.20 (465)	
	SHi	Cool	m³/min (ft³/min)	12.30 (435)	13.04 (460)	
		Heat	m³/min (ft³/min)	12.83 (453)	13.78 (486)	
Outdoor Airflow	Hi	Cool	m³/min (ft³/min)	28.70 (1015)	31.0 (1095)	
		Heat	m³/min (ft³/min)	29.70 (1050)	31.3 (1105)	
Refrigeration Cycle	Control Device			Expansion Valve	Expansion Valve	
	Refrigerant Oil		cm³	FW50S (320)	FW50S (320)	
	Refrigerant Type		g (oz)	R32, 0.67 (23.7)	R32, 0.79 (27.9)	
F-Gas	GWP			675	675	
	CO ² eq (ton) (Precharged Amount / Maximum Charged Amount)			0.45 / 0.50	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)	779 (30-11/16) / 780 (30-23/32)	779 (30-11/16) / 780 (30-23/32)	
	Depth (I/D / O/D)		mm (inch)	209 (8-1/4) / 289 (11-13/32)	209 (8-1/4) / 289 (11-13/32)	
Weight	Net (I/D / O/D)		kg (lb)	8 (18) / 29 (64)	8 (18) / 31 (68)	

Model		Indoor	CS-TZ35ZKEW		CS-TZ42ZKEW	
		Outdoor	CU-TZ35ZKE		CU-TZ42ZKE	
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	550		550	
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	580 × 315 × 25.4		580 × 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-TZ50ZKEW			CS-TZ60ZKEW		
			Outdoor	CU-TZ50ZKE			CU-TZ60ZKE		
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			6.8		
		Annual Consumption	kWh	254			309		
		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			11.2 / 2.50k		
Starting Current (A)				7.60			8.30		

Model				Indoor	CS-TZ50ZKEW	CS-TZ60ZKEW
				Outdoor	CU-TZ50ZKE	CU-TZ60ZKE
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	ASG30
	Motor Type				DC (8-poles)	DC (8-poles)
	Input Power			W	43.8	74.0
	Output Power			W	40	40
	Speed	QLo	Cool	rpm	930	790
			Heat	rpm	970	790
		Lo	Cool	rpm	1040	860
			Heat	rpm	1090	870
		Me	Cool	rpm	1160	980
			Heat	rpm	1210	1010
		Hi	Cool	rpm	1280	1100
			Heat	rpm	1340	1150
		SHi	Cool	rpm	1330	1150
			Heat	rpm	1420	1200
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	880
Moisture Removal			L/h (Pt/h)	2.8 (5.9)	3.3 (7.0)	
Indoor Airflow	QLo	Cool	m³/min (ft³/min)	8.80 (310)	12.68 (447)	
		Heat	m³/min (ft³/min)	9.22 (324)	12.69 (448)	
	Lo	Cool	m³/min (ft³/min)	9.97 (352)	13.96 (493)	
		Heat	m³/min (ft³/min)	10.50 (370)	14.17 (500)	
	Me	Cool	m³/min (ft³/min)	11.24 (396)	16.18 (571)	
		Heat	m³/min (ft³/min)	11.77 (415)	16.76 (592)	
	Hi	Cool	m³/min (ft³/min)	12.50 (440)	18.40 (650)	
		Heat	m³/min (ft³/min)	13.20 (465)	19.40 (685)	
	SHi	Cool	m³/min (ft³/min)	13.04 (460)	19.33 (683)	
		Heat	m³/min (ft³/min)	13.99 (494)	20.27 (716)	
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, 1.07k (37.8)	R32, 1.22k (43.1)	
F-Gas	GWP			675	675	
	CO ² eq (ton) (Precharged Amount / Maximum Charged Amount)			0.72 / 0.82	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)	779 (30-11/16) / 824 (32-15/32)	1040 (40-31/32) / 824 (32-15/32)	
	Depth (I/D / O/D)		mm (inch)	209 (8-1/4) / 299 (11-25/32)	244 (9-5/8) / 299 (11-25/32)	
Weight	Net (I/D / O/D)		kg (lb)	8 (18) / 35 (77)	12 (26) / 35 (77)	

Model		Indoor	CS-TZ50ZKEW		CS-TZ60ZKEW	
		Outdoor	CU-TZ50ZKE		CU-TZ60ZKE	
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	550		650	
Indoor Heat Exchanger	Fin Material		Aluminium (Pre Coat)		Aluminium (Pre Coat)	
	Fin Type		Slit Fin		Slit Fin	
	Row × Stage × FPI		2 × 15 × 21		2 × 17 × 21	
	Size (W × H × L)	mm	580 × 315 × 25.4		814.5 × 357 × 25.4	
Outdoor Heat Exchanger	Fin Material		Aluminium (Pre Coat)		Aluminium (Pre Coat)	
	Fin Type		Corrugated Fin		Corrugated Fin	
	Row × Stage × FPI		2 × 28 × 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)

- 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 ≤2.0W (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-TZ71ZKEW		
			Outdoor	CU-TZ71ZKE		
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	–	9.80	–
	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)	6.2		
		Annual Consumption	kWh	401		
		Class		A++		
	Power Factor		%	–	98	–
	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	–	9.80	–
	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		%	–	98	–
	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)				14.7 / 3.28k		
Starting Current (A)				9.80		

Model				Indoor	CS-TZ71ZKEW	
				Outdoor	CU-TZ71ZKE	
Compressor	Type				Hermetic Motor (Rotary)	
	Motor Type				Brushless (6-poles)	
	Output Power			W	1.50k	
Indoor Fan	Type				Cross-Flow Fan	
	Material				ASG30	
	Motor Type				DC / Transistor (8-poles)	
	Input Power			W	74.0	
	Output Power			W	40	
	Speed	QLo	Cool	rpm	830	
			Heat	rpm	840	
		Lo	Cool	rpm	930	
			Heat	rpm	920	
		Me	Cool	rpm	1070	
			Heat	rpm	1080	
		Hi	Cool	rpm	1200	
			Heat	rpm	1250	
		SHi	Cool	rpm	1250	
			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)	12.35 (436)		
		Heat	m³/min (ft³/min)	12.53 (442)		
	Lo	Cool	m³/min (ft³/min)	14.15 (500)		
		Heat	m³/min (ft³/min)	13.97 (493)		
	Me	Cool	m³/min (ft³/min)	16.66 (588)		
		Heat	m³/min (ft³/min)	16.84 (595)		
	Hi	Cool	m³/min (ft³/min)	19.00 (670)		
		Heat	m³/min (ft³/min)	19.90 (700)		
	SHi	Cool	m³/min (ft³/min)	19.90 (700)		
		Heat	m³/min (ft³/min)	21.34 (754)		
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, 1.35k (47.7)		
F-Gas	GWP			675		
	CO²eq (ton) (Precharged Amount / Maximum Charged Amount)			0.91 / 1.25		
Dimension	Height (I/D / O/D)		mm (inch)	295 (11-5/8) / 695 (27-3/8)		
	Width (I/D / O/D)		mm (inch)	1040 (40-31/32) / 875 (34-15/32)		
	Depth (I/D / O/D)		mm (inch)	244 (9-5/8) / 320 (12-5/8)		
Weight	Net (I/D / O/D)		kg (lb)	13 (29) / 45 (99)		

Model		Indoor	CS-TZ71ZKEW	
		Outdoor	CU-TZ71ZKE	
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	650	
Indoor Heat Exchanger	Fin Material		Aluminium (Pre Coat)	
	Fin Type		Slit Fin	
	Row × Stage × FPI		2 × 17 × 21	
	Size (W × H × L)	mm	814.5 × 357 × 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)

- 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)
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- Heating extreme low temperature capacity, Input Power and COP measured at 230 V, indoor temperature 20°C, outdoor -7/-8°C
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