3. Specifications

Model			Indoor	CS-TZ20WKEW			CS-TZ25WKEW		
			Outdoor	CU-TZ20WKE			CU-TZ25WKE		
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	2.40	0.85	2.50	3.00
			BTU/h	2560	6820	8180	2900	8530	10200
			kcal/h	650	1720	2060	730	2150	2580
	Running Current		A	–	2.20	–	–	2.90	–
	Input Power		W	180	490	600	210	650	880
	Annual Consumption		kWh	–	245	–	–	325	–
	EER		W/W	4.17	4.08	4.00	4.05	3.85	3.41
			BTU/hW	14.22	13.92	13.63	13.81	13.12	11.59
			kcal/hW	3.61	3.51	3.43	3.48	3.31	2.93
	ErP	Pdesign	kW	2.0			2.5		
		SEER	(W/W)	7.0			7.0		
		Annual Consumption	kWh	100			125		
		Class		A++			A++		
	Power Factor		%	–	97	–	–	97	–
	Indoor Noise (H / L / QLo)		dB-A	37 / 25 / 20			40 / 26 / 20		
			Power Level dB	53 / – / –			56 / – / –		
	Outdoor Noise (H / L)		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	1.9			2.4		
		Tbivalent	°C	-10			-10		
		SCOP	(W/W)	4.6			4.6		
		Annual Consumption	kWh	578			730		
		Class		A++			A++		
	Power Factor		%	–	97	–	–	98	–
	Indoor Noise (H / L / QLo)		dB-A	38 / 26 / 22			40 / 27 / 22		
			Power Level dB	54 / – / –			56 / – / –		
	Outdoor Noise (H / L)		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-TZ20WKEW	CS-TZ25WKEW
				Outdoor	CU-TZ20WKE	CU-TZ25WKE
Compressor	Type				Hermetic Motor (Rotary)	Hermetic Motor (Rotary)
	Motor Type				Brushless (6 poles)	Brushless (6 poles)
	Output Power			W	470	550
Indoor Fan	Type				Cross-Flow Fan	Cross-Flow Fan
	Material				ASG30	ASG30
	Motor Type				DC / Transistor (8-poles)	DC / Transistor (8-poles)
	Input Power			W	43.8	43.8
	Output Power			W	40	40
	Speed	QLo	Cool	rpm	550	600
			Heat	rpm	640	660
		Lo	Cool	rpm	680	730
			Heat	rpm	730	770
		Me	Cool	rpm	860	930
			Heat	rpm	890	970
		Hi	Cool	rpm	1020	1140
			Heat	rpm	1060	1180
		SHi	Cool	rpm	1070	1190
			Heat	rpm	1110	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	m^3/min (ft^3/min)	4.97 (175)	5.30 (187)
			Heat	m^3/min (ft^3/min)	5.99 (211)	5.94 (209)
		Lo	Cool	m^3/min (ft^3/min)	6.44 (227)	6.68 (235)
			Heat	m^3/min (ft^3/min)	7.01 (247)	7.10 (250)
		Me	Cool	m^3/min (ft^3/min)	8.48 (299)	8.80 (310)
			Heat	m^3/min (ft^3/min)	8.82 (311)	9.22 (325)
		Hi	Cool	m^3/min (ft^3/min)	10.30 (365)	11.00 (390)
			Heat	m^3/min (ft^3/min)	10.80 (380)	11.50 (405)
		SHi	Cool	m^3/min (ft^3/min)	10.87 (383)	11.56 (408)
			Heat	m^3/min (ft^3/min)	11.32 (399)	11.98 (423)
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			g (oz)	R32, 540 (19.1)	R32, 670 (23.7)
F-Gas	GWP				675	675
	CO2eq (ton) (Precharged Amount / Maximum Charged Amount)				0.365 / 0.415	0.452 / 0.503
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-TZ20WKEW		CS-TZ25WKEW	
			Outdoor	CU-TZ20WKE		CU-TZ25WKE	
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		16	
	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 × 710		36.4 × 504:252 × 713:684	
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	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 ≤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-TZ35WKEW			CS-TZ42WKEW		
			Outdoor	CU-TZ35WKE			CU-TZ42WKE		
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	3.90	0.85	4.20	4.60
			BTU/h	2900	11900	13300	2900	14300	15700
			kcal/h	730	3010	3350	730	3610	3960
	Running Current		A	–	4.30	–	–	5.50	–
	Input Power		W	235	980	1.16k	235	1.25k	1.64k
	Annual Consumption		kWh	–	490	–	–	625	–
	EER		W/W	3.62	3.57	3.36	3.62	3.36	2.80
			BTU/hW	12.34	12.14	11.47	12.34	11.44	9.57
			kcal/hW	3.11	3.07	2.89	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)		dB-A	42 / 30 / 20			44 / 31 / 29		
			Power Level dB	58 / – / –			60 / – / –		
	Outdoor Noise (H / L)		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			4.0		
		Annual Consumption	kWh	852			1260		
		Class		A++			A+		
	Power Factor		%	–	99	–	–	99	–
	Indoor Noise (H / L / QLo)		dB-A	42 / 33 / 22			44 / 35 / 28		
			Power Level dB	58 / – / –			60 / – / –		
	Outdoor Noise (H / L)		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 / 1.70k / 2.29		
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-TZ35WKEW	CS-TZ42WKEW
				Outdoor	CU-TZ35WKE	CU-TZ42WKE
Compressor	Type				Hermetic Motor (Rotary)	Hermetic Motor (Rotary)
	Motor Type				Brushless (6 poles)	Brushless (6 poles)
	Output Power			W	700	800
Indoor Fan	Type				Cross-Flow Fan	Cross-Flow Fan
	Material				ASG30	ASG30
	Motor Type				DC / Transistor (8-poles)	DC / Transistor (8-poles)
	Input Power			W	43.8	43.8
	Output Power			W	40	40
	Speed	QLo	Cool	rpm	640	830
			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 (8-poles)	DC (8-poles)
	Input Power			W	–	–
	Output Power			W	40	40
	Speed	Hi	Cool	rpm	830	880
			Heat	rpm	860	890
Moisture Removal				L/h (Pt/h)	2.0 (4.2)	2.4 (5.1)
Indoor Airflow		QLo	Cool	m^3/min (ft^3/min)	5.73 (202)	7.74 (273)
			Heat	m^3/min (ft^3/min)	5.94 (209)	7.53 (265)
		Lo	Cool	m^3/min (ft^3/min)	7.95 (280)	8.27 (292)
			Heat	m^3/min (ft^3/min)	9.22 (325)	9.65 (340)
		Me	Cool	m^3/min (ft^3/min)	9.86 (348)	10.39 (366)
			Heat	m^3/min (ft^3/min)	10.71 (378)	11.34 (400)
		Hi	Cool	m^3/min (ft^3/min)	11.80 (415)	12.50 (440)
			Heat	m^3/min (ft^3/min)	12.30 (435)	13.20 (465)
		SHi	Cool	m^3/min (ft^3/min)	12.30 (435)	13.04 (460)
			Heat	m^3/min (ft^3/min)	12.83 (453)	13.78 (486)
Outdoor Airflow		Hi	Cool	m^3/min (ft^3/min)	28.70 (1015)	30.40 (1075)
			Heat	m^3/min (ft^3/min)	29.70 (1050)	30.80 (1085)
Refrigeration Cycle	Control Device				Expansion Valve	Expansion Valve
	Refrigerant Oil			cm^3	FW50S (320)	FW50S (370)
	Refrigerant Type			g (oz)	R32, 770 (27.2)	R32, 790 (27.9)
F-Gas	GWP				675	675
	CO2eq (ton) (Precharged Amount / Maximum Charged Amount)				0.520 / 0.570	0.533 / 0.584
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) / 31 (68)	8 (18) / 31 (68)

Model			Indoor	CS-TZ35WKEW		CS-TZ42WKEW	
			Outdoor	CU-TZ35WKE		CU-TZ42WKE	
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		16	
	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 × 17	
	Size (W × H × L)		mm	36.4 × 504 × 713:684		36.4 × 504 × 713:684	
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	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 ≤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-TZ50WKEW			CS-TZ60WKEW		
			Outdoor	CU-TZ50WKE			CU-TZ60WKE		
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	–	7.10	–	–	8.20	–
	Input Power		W	250	1.60k	1.90k	250	1.85k	2.30k
	Annual Consumption		kWh	–	800	–	–	925	–
	EER		W/W	3.92	3.13	2.95	3.92	3.24	2.87
			BTU/hW	13.36	10.69	10.05	13.36	11.08	9.78
			kcal/hW	3.36	2.69	2.54	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		%	–	98	–	–	98	–
	Indoor Noise (H / L / QLo)		dB-A	44 / 37 / 33			45 / 37 / 34		
			Power Level dB	60 / – / –			60 / – / –		
	Outdoor Noise (H / L)		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	–	–	8.40	–
	Input Power		W	210	1.70k	2.30k	210	1.90k	2.30k
	COP		W/W	4.67	3.41	3.26	4.67	3.68	3.57
			BTU/hW	15.90	11.65	11.13	15.90	12.58	12.17
			kcal/hW	4.00	2.94	2.80	4.00	3.17	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)		dB-A	44 / 37 / 33			45 / 37 / 34		
			Power Level dB	60 / – / –			61 / – / –		
	Outdoor Noise (H / L)		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 / 1.95k / 2.51		
Max Current (A) / Max Input Power (W)				10.5 / 2.30k			11.2 / 2.50k		
Starting Current (A)				7.60			8.40		

Model				Indoor	CS-TZ50WKEW	CS-TZ60WKEW
				Outdoor	CU-TZ50WKE	CU-TZ60WKE
Compressor	Type				Hermetic Motor (Rotary)	Hermetic Motor (Rotary)
	Motor Type				Brushless (4 poles)	Brushless (4 poles)
	Output Power			W	900	900
Indoor Fan	Type				Cross-Flow Fan	Cross-Flow Fan
	Material				ASG30	ASG33
	Motor Type				DC / Transistor (8-poles)	DC / Transistor (8-poles)
	Input Power			W	43.8	89.0
	Output Power			W	40	40
	Speed	QLo	Cool	rpm	930	790
			Heat	rpm	970	840
		Lo	Cool	rpm	1040	870
			Heat	rpm	1090	940
		Me	Cool	rpm	1160	1030
			Heat	rpm	1210	1080
		Hi	Cool	rpm	1280	1180
			Heat	rpm	1340	1230
		SHi	Cool	rpm	1330	1230
			Heat	rpm	1420	1280
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	820	850
Moisture Removal				L/h (Pt/h)	2.8 (5.9)	3.3 (7.0)
Indoor Airflow		QLo	Cool	m^3/min (ft^3/min)	8.80 (310)	13.01 (459)
			Heat	m^3/min (ft^3/min)	9.22 (324)	14.01 (494)
		Lo	Cool	m^3/min (ft^3/min)	9.97 (352)	14.62 (516)
			Heat	m^3/min (ft^3/min)	10.50 (370)	16.02 (565)
		Me	Cool	m^3/min (ft^3/min)	11.24 (396)	17.83 (629)
			Heat	m^3/min (ft^3/min)	11.77 (415)	18.84 (665)
		Hi	Cool	m^3/min (ft^3/min)	12.50 (440)	20.90 (740)
			Heat	m^3/min (ft^3/min)	13.20 (465)	21.90 (775)
		SHi	Cool	m^3/min (ft^3/min)	13.04 (460)	21.85 (771)
			Heat	m^3/min (ft^3/min)	13.99 (494)	22.86 (807)
Outdoor Airflow		Hi	Cool	m^3/min (ft^3/min)	32.70 (1155)	34.00 (1200)
			Heat	m^3/min (ft^3/min)	32.70 (1155)	34.00 (1200)
Refrigeration Cycle	Control Device				Expansion Valve	Expansion Valve
	Refrigerant Oil			cm^3	FW50S (450)	FW50S (450)
	Refrigerant Type			g (oz)	R32, 1.14k (40.2)	R32, 1.22k (43.1)
F-Gas	GWP				675	675
	CO2eq (ton) (Precharged Amount / Maximum Charged Amount)				0.770 / 0.896	0.824 / 1.026
Dimension	Height (I/D / O/D)			mm (inch)	290 (11-7/16) / 619 (24-3/8)	302 (11-29/32) / 619 (24-3/8)
	Width (I/D / O/D)			mm (inch)	779 (30-11/16) / 824 (32-15/32)	1102 (43-13/32) / 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) / 36 (79)	13 (29) / 36 (79)

Model		Indoor	CS-TZ50WKEW		CS-TZ60WKEW	
		Outdoor	CU-TZ50WKE		CU-TZ60WKE	
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)	7.5 (24.6)		10.0 (32.8)	
Drain Hose	Inner Diameter	mm	16		16	
	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		836.7 × 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	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 ≤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-TZ71WKEW		
			Outdoor	CU-TZ71WKE		
Performance Test Condition				EUROVENT		
Power Supply			Phase, Hz	Single, 50		
			V	230		
				Min.	Mid.	Max.
Cooling	Capacity		kW	0.98	7.10	8.20
			BTU/h	3340	24200	28000
			kcal/h	840	6110	7050
	Running Current		A	–	9.90	–
	Input Power		W	420	2.24k	2.75k
	Annual Consumption		kWh	–	1120	–
	EER		W/W	2.33	3.17	2.98
			BTU/hW	7.95	10.80	10.18
			kcal/hW	2.00	2.73	2.56
	ErP	Pdesign	kW	7.1		
		SEER	(W/W)	6.2		
		Annual Consumption	kWh	401		
		Class		A++		
	Power Factor		%	–	98	–
	Indoor Noise (H / L / QLo)		dB-A	47 / 38 / 35		
			Power Level dB	63 / – / –		
	Outdoor Noise (H / L)		dB-A	52 / –		
			Power Level dB	66 / –		
Heating	Capacity		kW	0.98	8.60	9.90
			BTU/h	3340	29300	33800
			kcal/h	840	7400	8510
	Running Current		A	–	10.90	–
	Input Power		W	400	2.45k	2.85k
	COP		W/W	2.45	3.51	3.47
			BTU/hW	8.35	11.96	11.86
			kcal/hW	2.10	3.02	2.99
	ErP	Pdesign	kW	5.5		
		Tbivalent	°C	-10		
		SCOP	(W/W)	4.0		
		Annual Consumption	kWh	1925		
		Class		A+		
	Power Factor		%	–	98	–
	Indoor Noise (H / L / QLo)		dB-A	47 / 38 / 35		
			Power Level dB	63 / – / –		
	Outdoor Noise (H / L)		dB-A	54 / –		
			Power Level dB	68 / –		
Low Temp. : Capacity (kW) / I.Power (W) / COP				7.17 / 2.52k / 2.85		
Extr Low Temp. : Capacity (kW) / I.Power (W) / COP				6.13 / 2.48k / 2.47		
Max Current (A) / Max Input Power (W)				14.8 / 3.22k		
Starting Current (A)				10.90		

Model				Indoor	CS-TZ71WKEW
				Outdoor	CU-TZ71WKE
Compressor		Type			Hermetic Motor (Rotary)
		Motor Type			Brushless (4 poles)
		Output Power		W	1.70k
Indoor Fan	Type				Cross-Flow Fan
	Material				ASG33
	Motor Type				DC / Transistor (8-poles)
	Input Power			W	105.0
	Output Power			W	40
	Speed	QLo	Cool	rpm	810
			Heat	rpm	860
		Lo	Cool	rpm	890
			Heat	rpm	960
		Me	Cool	rpm	1070
			Heat	rpm	1120
		Hi	Cool	rpm	1240
			Heat	rpm	1280
		SHi	Cool	rpm	1290
			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	m^3/min (ft^3/min)	13.41 (473)
			Heat	m^3/min (ft^3/min)	14.42 (509)
		Lo	Cool	m^3/min (ft^3/min)	15.02 (530)
			Heat	m^3/min (ft^3/min)	16.43 (580)
		Me	Cool	m^3/min (ft^3/min)	18.64 (658)
			Heat	m^3/min (ft^3/min)	19.64 (693)
		Hi	Cool	m^3/min (ft^3/min)	22.10 (780)
			Heat	m^3/min (ft^3/min)	22.90 (810)
		SHi	Cool	m^3/min (ft^3/min)	23.06 (814)
			Heat	m^3/min (ft^3/min)	23.86 (842)
Outdoor Airflow		Hi	Cool	m^3/min (ft^3/min)	44.7 (1580)
			Heat	m^3/min (ft^3/min)	45.9 (1620)
Refrigeration Cycle		Control Device			Expansion Valve
		Refrigerant Oil		cm^3	FW50S (800)
		Refrigerant Type		g (oz)	R32, 1.32k (46.6)
F-Gas		GWP			675
		CO2eq (ton) (Precharged Amount / Maximum Charged Amount)			0.891 / 1.229
Dimension		Height (I/D / O/D)		mm (inch)	302 (11-29/32) / 695 (27-3/8)
		Width (I/D / O/D)		mm (inch)	1102 (43-13/32) / 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) / 50 (110)

Model			Indoor	CS-TZ71WKEW	
			Outdoor	CU-TZ71WKE	
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	
	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	836.7 × 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	32	23
			Minimum °C	16	11
	Heating		Maximum °C	30	–
			Minimum °C	16	–
Outdoor Operation Range	Cooling		Maximum °C	43	26
			Minimum °C	-10	–
	Heating		Maximum °C	24	18
			Minimum °C	-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)
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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.