

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	
	CO ₂ eq (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

- 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-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	
	CO ₂ eq (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

- 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-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

- 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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