

3. Specifications

Model		Indoor	CS-Z20VKEW / CS-XZ20VKEW			CS-Z25VKEW / CS-XZ25VKEW				
		Outdoor	CU-Z20VKE			CU-Z25VKE				
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	2.05	2.40	0.85	2.50	3.20	
			BTU/h	2560	6990	8180	2900	8530	10900	
			Kcal/h	650	1760	2060	730	2150	2750	
	Running Current		A	–	2.15	–	–	2.50	–	
	Input Power		W	240	450	555	240	520	790	
	Annual Consumption		kWh	–	225	–	–	260	–	
	EER		W/W	3.13	4.56	4.32	3.54	4.81	4.05	
			BTU/hW	10.67	15.53	14.74	12.08	16.40	13.80	
			Kcal/hW	2.71	3.91	3.71	3.04	4.13	3.48	
	ErP	Pdesign		kW	2.1			2.5		
		SEER		(W/W)	7.5			8.5		
		Annual Consumption		kWh	98			103		
		Class			A++			A+++		
	Power Factor		%	–	91	–	–	90	–	
	Indoor Noise (H / L / QLo)		dB-A	37 / 24 / 19			39 / 25 / 19			
			Power Level dB	53 / –			55 / –			
Outdoor Noise (H / L)		dB-A	45 / –			46 / –				
		Power Level dB	60 / –			61 / –				
Heating	Capacity		kW	0.70	2.80	4.00	0.80	3.40	5.00	
			BTU/h	2390	9550	13600	2730	11600	17100	
			Kcal/h	600	2410	3440	690	2920	4300	
	Running Current		A	–	2.80	–	–	3.30	–	
	Input Power		W	180	620	990	180	710	1.26k	
	COP		W/W	3.89	4.52	4.04	4.44	4.79	3.97	
			BTU/hW	13.28	15.40	13.74	15.17	16.34	13.57	
			Kcal/hW	3.33	3.89	3.47	3.83	4.11	3.41	
	ErP	Pdesign		kW	2.1			2.7		
		Tbivalent		°C	-10			-10		
		SCOP		(W/W)	4.7			5.1		
		Annual Consumption		kWh	626			741		
		Class			A++			A+++		
	Power Factor		%	–	96	–	–	94	–	
	Indoor Noise (H / L / QLo)		dB-A	38 / 25 / 19			41 / 27 / 19			
			Power Level dB	54 / –			57 / –			
Outdoor Noise (H / L)		dB-A	46 / –			47 / –				
		Power Level dB	61 / –			62 / –				
Low Temp. : Capacity (kW) / I.Power (W) / COP		2.90 / 870 / 3.33			3.62 / 1.12k / 3.23					
Extr Low Temp. : Capacity (kW) / I.Power (W) / COP		2.38 / 880 / 2.70			2.95 / 1.15k / 2.57					
Max Current (A) / Max Input Power (W)		4.10 / 990			5.7 / 1.26k					
Starting Current (A)		2.80			3.30					

Model			Indoor	CS-Z20VKEW / CS-XZ20VKEW	CS-Z25VKEW / CS-XZ25VKEW	
			Outdoor	CU-Z20VKE	CU-Z25VKE	
Compressor	Type			Hermetic Motor (Rotary)	Hermetic Motor (Rotary)	
	Motor Type			Brushless Motor (6-poles)	Brushless Motor (6-poles)	
	Output Power		W	500	700	
Indoor Fan	Type			Cross-Flow Fan	Cross-Flow Fan	
	Material			ASG20K1	ASG20K1	
	Motor Type			DC Motor (8-poles)	DC Motor (8-poles)	
	Input Power		W	47.3	47.3	
	Output Power		W	40	40	
	Speed	QLo	Cool	rpm	610	600
			Heat	rpm	610	620
		Lo	Cool	rpm	700	740
			Heat	rpm	780	860
		Me	Cool	rpm	880	960
			Heat	rpm	960	1080
		Hi	Cool	rpm	1060	1190
			Heat	rpm	1140	1300
	SHi	Cool	rpm	1090	1240	
		Heat	rpm	1170	1350	
Outdoor Fan	Type			Propeller Fan	Propeller Fan	
	Material			PP	PP	
	Motor Type			DC Motor (8-poles)	DC Motor (8-poles)	
	Input Power		W	-	-	
	Output Power		W	40	40	
	Speed	Hi	Cool	rpm	780	820
Heat			rpm	700	780	
Moisture Removal			L/h (Pt/h)	1.3 (2.7)	1.5 (3.2)	
Indoor Airflow	QLo	Cool	m ³ /min (ft ³ /min)	5.06 (179)	4.92 (174)	
		Heat	m ³ /min (ft ³ /min)	5.06 (179)	5.10 (180)	
	Lo	Cool	m ³ /min (ft ³ /min)	6.02 (213)	6.17 (218)	
		Heat	m ³ /min (ft ³ /min)	6.87 (243)	7.24 (256)	
	Me	Cool	m ³ /min (ft ³ /min)	7.93 (280)	8.13 (287)	
		Heat	m ³ /min (ft ³ /min)	8.78 (310)	9.19 (325)	
	Hi	Cool	m ³ /min (ft ³ /min)	9.90 (350)	10.20 (360)	
		Heat	m ³ /min (ft ³ /min)	10.70 (380)	11.20 (395)	
	SHi	Cool	m ³ /min (ft ³ /min)	10.17 (359)	10.62 (375)	
		Heat	m ³ /min (ft ³ /min)	11.02 (389)	11.60 (410)	
Outdoor Airflow	Hi	Cool	m ³ /min (ft ³ /min)	26.9 (950)	28.7 (1015)	
		Heat	m ³ /min (ft ³ /min)	24.1 (850)	27.2 (960)	
Refrigeration Cycle	Control Device			Expansion valve	Expansion valve	
	Refrigerant Oil		cm ³	Ester oil VG 74 (260)	FW50S (320)	
	Refrigerant Type		g (oz)	R32, 700 (24.7)	R32, 850 (30.0)	
F-Gas	GWP			675	675	
	CO ₂ eq (ton) (Precharged Amount / Maximum Charged Amount)			0.473 / 0.523	0.574 / 0.624	

Model			Indoor	CS-Z20VKEW / CS-XZ20VKEW		CS-Z25VKEW / CS-XZ25VKEW	
			Outdoor	CU-Z20VKE		CU-Z25VKE	
Dimension	Unit	Height (I/D / O/D)	mm (inch)	295 (11-5/8) / 542 (21-11/32)		295 (11-5/8) / 542 (21-11/32)	
		Width (I/D / O/D)	mm (inch)	919 (36-3/16) / 780 (30-23/32)		919 (36-3/16) / 780 (30-23/32)	
		Depth (I/D / O/D)	mm (inch)	194 (7-21/32) / 289 (11-13/32)		194 (7-21/32) / 289 (11-13/32)	
Weight	Net (I/D / O/D)		kg (lb)	9 (20) / 27 (60)		10 (22) / 31 (68)	
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	650		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 × 15 × 21	
	Size (W × H × L)		mm	610 × 315 × 25.4		610 × 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 × 713.684		36.4 × 504 × 824.2793.7	
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 ≤10.0w (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-Z35VKEW / CS-XZ35VKEW			CS-Z42VKEW				
		Outdoor	CU-Z35VKE			CU-Z42VKE				
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	5.00	
			BTU/h	2900	11900	13600	2900	14300	17100	
			Kcal/h	730	3010	3440	730	3610	4300	
	Running Current		A	–	4.00	–	–	5.50	–	
	Input Power		W	240	860	1.08k	260	1.24k	1.57k	
	Annual Consumption		kWh	–	430	–	–	620	–	
	EER		W/W	3.54	4.07	3.70	3.27	3.39	3.18	
			BTU/hW	12.08	13.84	12.59	11.15	11.53	10.89	
			Kcal/hW	3.04	3.50	3.19	2.81	2.91	2.74	
	ErP	Pdesign	kW	3.5			4.2			
		SEER	(W/W)	8.5			6.9			
		Annual Consumption	kWh	144			213			
		Class		A+++			A++			
	Power Factor		%	–	93	–	–	98	–	
	Indoor Noise (H / L / QLo)		dB-A	42 / 28 / 19			43 / 31 / 25			
			Power Level dB	58 / –			59 / –			
	Outdoor Noise (H / L)		dB-A	48 / –			49 / –			
			Power Level dB	63 / –			64 / –			
	Heating	Capacity		kW	0.80	4.00	5.50	0.80	5.30	6.80
				BTU/h	2730	13600	18800	2730	18100	23200
Kcal/h				690	3440	4730	690	4560	5850	
Running Current		A	–	4.25	–	–	6.40	–		
Input Power		W	180	920	1.48k	190	1.44k	1.94k		
COP		W/W	4.44	4.35	3.72	4.21	3.68	3.51		
		BTU/hW	15.17	14.78	12.70	14.37	12.57	11.96		
		Kcal/hW	3.83	3.74	3.20	3.63	3.17	3.02		
ErP		Pdesign	kW	2.8			3.6			
		Tbivalent	°C	-10			-10			
		SCOP	(W/W)	5.1			4.0			
		Annual Consumption	kWh	769			1260			
		Class		A+++			A+			
Power Factor		%	–	94	–	–	98	–		
Indoor Noise (H / L / QLo)		dB-A	43 / 33 / 19			43 / 35 / 29				
		Power Level dB	59 / –			59 / –				
Outdoor Noise (H / L)		dB-A	50 / –			51 / –				
		Power Level dB	65 / –			66 / –				
Low Temp. : Capacity (kW) / I.Power (W) / COP			3.99 / 1.31k / 3.05			4.93 / 1.72k / 2.87				
Extr Low Temp. : Capacity (kW) / I.Power (W) / COP			3.20 / 1.35k / 2.37			4.11 / 1.73k / 2.38				
Max Current (A) / Max Input Power (W)			6.5 / 1.48k			8.5 / 1.94k				
Starting Current (A)			4.25			6.40				

Model			Indoor	CS-Z35VKEW / CS-XZ35VKEW	CS-Z42VKEW	
			Outdoor	CU-Z35VKE	CU-Z42VKE	
Compressor	Type			Hermetic Motor (Rotary)	Hermetic Motor (Rotary)	
	Motor Type			Brushless Motor (6-poles)	Brushless Motor (6-poles)	
	Output Power		W	700	700	
Indoor Fan	Type			Cross-Flow Fan	Cross-Flow Fan	
	Material			ASG20K1	ASG20K1	
	Motor Type			DC Motor (8-poles)	DC Motor (8-poles)	
	Input Power		W	47.3	47.3	
	Output Power		W	40	40	
	Speed	QLo	Cool	rpm	600	720
			Heat	rpm	620	890
		Lo	Cool	rpm	820	900
			Heat	rpm	1020	1080
		Me	Cool	rpm	1040	1100
			Heat	rpm	1200	1240
		Hi	Cool	rpm	1280	1300
			Heat	rpm	1400	1400
	SHi	Cool	rpm	1330	1350	
Heat		rpm	1450	1450		
Outdoor Fan	Type			Propeller Fan	Propeller Fan	
	Material			PP	PP	
	Motor Type			DC Motor (8-poles)	DC Motor (8-poles)	
	Input Power		W	–	–	
	Output Power		W	40	40	
	Speed	Hi	Cool	rpm	870	840
			Heat	rpm	870	830
Moisture Removal			L/h (Pt/h)	2.0 (4.2)	2.4 (5.1)	
Indoor Airflow	QLo	Cool	m ³ /min (ft ³ /min)	4.92 (174)	5.99 (212)	
		Heat	m ³ /min (ft ³ /min)	5.10 (180)	7.50 (265)	
	Lo	Cool	m ³ /min (ft ³ /min)	6.88 (243)	7.59 (268)	
		Heat	m ³ /min (ft ³ /min)	8.66 (306)	9.19 (325)	
	Me	Cool	m ³ /min (ft ³ /min)	8.84 (312)	9.37 (331)	
		Heat	m ³ /min (ft ³ /min)	10.26 (362)	10.62 (375)	
	Hi	Cool	m ³ /min (ft ³ /min)	11.00 (390)	11.20 (395)	
		Heat	m ³ /min (ft ³ /min)	12.00 (425)	12.00 (425)	
SHi	Cool	m ³ /min (ft ³ /min)	11.42 (403)	11.60 (410)		
	Heat	m ³ /min (ft ³ /min)	12.49 (441)	12.49 (441)		
Outdoor Airflow	Hi	Cool	m ³ /min (ft ³ /min)	30.6 (1080)	31.3 (1105)	
		Heat	m ³ /min (ft ³ /min)	30.6 (1080)	30.9 (1090)	
Refrigeration Cycle	Control Device			Expansion valve	Expansion valve	
	Refrigerant Oil		cm ³	FW50S (320)	FW50S (320)	
	Refrigerant Type		g (oz)	R32, 850 (30.0)	R32, 890 (31.4)	
F-Gas	GWP			675	675	
	CO2eq (ton) (Precharged Amount / Maximum Charged Amount)			0.574 / 0.624	0.601 / 0.651	

Model			Indoor	CS-Z35VKEW / CS-XZ35VKEW		CS-Z42VKEW	
			Outdoor	CU-Z35VKE		CU-Z42VKE	
Dimension	Unit	Height (I/D / O/D)	mm (inch)	295 (11-5/8) / 542 (21-11/32)		295 (11-5/8) / 619 (24-3/8)	
		Width (I/D / O/D)	mm (inch)	919 (36-3/16) / 780 (30-23/32)		919 (36-3/16) / 824 (32-15/32)	
		Depth (I/D / O/D)	mm (inch)	194 (7-21/32) / 289 (11-13/32)		194 (7-21/32) / 299 (11-25/32)	
Weight	Net (I/D / O/D)		kg (lb)	10 (22) / 31 (68)		10 (22) / 31 (68)	
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	650		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 × 15 × 21	
	Size (W × H × L)		mm	610 × 315 × 25.4		610 × 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 × 19		2 × 28 × 17	
	Size (W × H × L)		mm	36.4 × 504 × 824.2:793.7		36.38 × 588 × 606.6	
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 ≤10.0w (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-Z50VKEW / CS-XZ50VKEW			CS-Z71VKEW				
		Outdoor	CU-Z50VKE			CU-Z71VKE				
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	6.00	0.98	7.10	8.50	
			BTU/h	3340	17100	20500	3340	24200	29000	
			Kcal/h	840	4300	5160	840	6110	7310	
	Running Current		A	–	6.30	–	–	9.70	–	
	Input Power		W	280	1.41k	1.95k	420	2.17k	2.90k	
	Annual Consumption		kWh	–	705	–	–	1085	–	
	EER		W/W	3.50	3.55	3.08	2.33	3.27	2.93	
			BTU/hW	11.93	12.13	10.51	7.95	11.15	10.00	
			Kcal/hW	3.00	3.05	2.65	2.00	2.82	2.52	
	ErP	Pdesign	kW	5.0			7.1			
		SEER	(W/W)	7.9			6.5			
		Annual Consumption	kWh	222			382			
		Class		A++			A++			
	Power Factor		%	–	97	–	–	97	–	
	Indoor Noise (H / L / QLo)		dB-A	44 / 37 / 30			47 / 38 / 30			
			Power Level dB	60 / –			63 / –			
	Outdoor Noise (H / L)		dB-A	47 / –			52 / –			
			Power Level dB	62 / –			66 / –			
	Heating	Capacity		kW	0.98	5.80	8.00	0.98	8.60	10.20
				BTU/h	3340	19800	27300	3340	29300	34800
Kcal/h				840	4990	6880	840	7400	8770	
Running Current		A	–	6.50	–	–	10.30	–		
Input Power		W	340	1.44k	2.53k	400	2.35k	2.95k		
COP		W/W	2.88	4.03	3.16	2.45	3.66	3.46		
		BTU/hW	9.82	13.75	10.79	8.35	12.47	11.80		
		Kcal/hW	2.47	3.47	2.72	2.10	3.15	2.97		
ErP		Pdesign	kW	4.2			5.5			
		Tbivalent	°C	-10			-10			
		SCOP	(W/W)	4.7			4.2			
		Annual Consumption	kWh	1251			1833			
		Class		A++			A+			
Power Factor		%	–	96	–	–	99	–		
Indoor Noise (H / L / QLo)		dB-A	44 / 37 / 30			47 / 38 / 30				
		Power Level dB	60 / –			63 / –				
Outdoor Noise (H / L)		dB-A	47 / –			54 / –				
		Power Level dB	62 / –			68 / –				
Low Temp. : Capacity (kW) / I.Power (W) / COP			5.80 / 2.24k / 2.59			7.39 / 2.52k / 2.93				
Extr Low Temp. : Capacity (kW) / I.Power (W) / COP			4.80 / 2.10k / 2.29			6.31 / 2.50k / 2.52				
Max Current (A) / Max Input Power (W)			11.1 / 2.53k			15.6 / 3.38k				
Starting Current (A)			6.50			10.30				

Model			Indoor	CS-Z50VKEW / CS-XZ50VKEW	CS-Z71VKEW	
			Outdoor	CU-Z50VKE	CU-Z71VKE	
Compressor	Type			Hermetic Motor (Rotary)	Hermetic Motor (Rotary)	
	Motor Type			Brushless (4-poles)	Brushless (4-poles)	
	Output Power		W	900	1.70k	
Indoor Fan	Type			Cross-Flow Fan	Cross-Flow Fan	
	Material			ASG33	ASG33	
	Motor Type			DC Motor (8-poles)	DC Motor (8-poles)	
	Input Power		W	89.0	105.0	
	Output Power		W	40	40	
	Speed	QLo	Cool	rpm	700	800
			Heat	rpm	720	800
		Lo	Cool	rpm	860	950
			Heat	rpm	890	980
		Me	Cool	rpm	960	1070
			Heat	rpm	1010	1140
		Hi	Cool	rpm	1080	1210
			Heat	rpm	1150	1300
	SHi	Cool	rpm	1130	1320	
		Heat	rpm	1210	1400	
Outdoor Fan	Type			Propeller Fan	Propeller Fan	
	Material			PP	PP	
	Motor Type			DC Motor (8-poles)	DC Motor (8-poles)	
	Input Power		W	-	-	
	Output Power		W	40	40	
	Speed	Hi	Cool	rpm	720	820
Heat			rpm	670	840	
Moisture Removal			L/h (Pt/h)	2.8 (5.9)	4.1 (8.7)	
Indoor Airflow	QLo	Cool	m ³ /min (ft ³ /min)	11.46 (405)	12.09 (427)	
		Heat	m ³ /min (ft ³ /min)	11.86 (419)	12.09 (427)	
	Lo	Cool	m ³ /min (ft ³ /min)	14.66 (518)	14.91 (527)	
		Heat	m ³ /min (ft ³ /min)	15.26 (539)	15.47 (546)	
	Me	Cool	m ³ /min (ft ³ /min)	16.66 (588)	17.17 (606)	
		Heat	m ³ /min (ft ³ /min)	17.66 (624)	18.48 (653)	
	Hi	Cool	m ³ /min (ft ³ /min)	19.10 (675)	19.80 (700)	
		Heat	m ³ /min (ft ³ /min)	20.50 (725)	21.50 (760)	
SHi	Cool	m ³ /min (ft ³ /min)	20.06 (708)	21.87 (772)		
	Heat	m ³ /min (ft ³ /min)	21.66 (765)	23.37 (825)		
Outdoor Airflow	Hi	Cool	m ³ /min (ft ³ /min)	39.8 (1405)	44.70 (1580)	
		Heat	m ³ /min (ft ³ /min)	36.9 (1305)	45.80 (1615)	
Refrigeration Cycle	Control Device					
	Refrigerant Oil		cm ³	FW50S (450)	FW50S (800)	
	Refrigerant Type		g (oz)	R32, 1.15k (40.6)	R32, 1.37k (48.4)	
F-Gas	GWP			675	675	
	CO ₂ eq (ton) (Precharged Amount / Maximum Charged Amount)			0.776 / 1.004	0.925 / 1.262	

Model			Indoor	CS-Z50VKEW / CS-XZ50VKEW		CS-Z71VKEW	
			Outdoor	CU-Z50VKE		CU-Z71VKE	
Dimension	Unit	Height (I/D / O/D)	mm (inch)	302 (11-29/32) / 695 (27-3/8)		302 (11-29/32) / 695 (27-3/8)	
		Width (I/D / O/D)	mm (inch)	1120 (44-1/8) / 875 (34-15/32)		1120 (44-1/8) / 875 (34-15/32)	
		Depth (I/D / O/D)	mm (inch)	236 (9-5/16) / 320 (12-5/8)		236 (9-5/16) / 320 (12-5/8)	
Weight	Net (I/D / O/D)		kg (lb)	12 (26) / 42 (93)		13 (29) / 50 (110)	
Piping	Pipe Diameter (Liquid / Gas)		mm (inch)	6.35 (1/4) / 12.70 (1/2)		6.35 (1/4) / 15.88 (5/8)	
	Standard length		m (ft)	5.0 (16.4)		5.0 (16.4)	
	Length range (min – max)		m (ft)	3 (9.8) ~ 30 (98.4)		3 (9.8) ~ 30 (98.4)	
	I/D & O/D Height different		m (ft)	15.0 (49.2)		20.0 (65.6)	
	Additional Gas Amount		g/m (oz/ft)	15 (0.2)		25 (0.3)	
	Length for Additional Gas		m (ft)	7.5 (24.6)		10.0 (32.8)	
Drain Hose	Inner Diameter		mm	16.7		16.7	
	Length		mm	650		650	
Indoor Heat Exchanger	Fin Material			Aluminium (Pre Coat)		Aluminium (Pre Coat)	
	Fin Type			Slit Fin		Slit Fin	
	Row × Stage × FPI			2 × 17 × 17		2 × 17 × 21	
	Size (W × H × L)		mm	836.5 × 357 × 25.4		836.5 × 357 × 25.4	
Outdoor Heat Exchanger	Fin Material			Aluminium (Pre Coat)		Aluminium (Pre Coat)	
	Fin Type			Corrugated Fin		Corrugated Fin	
	Row × Stage × FPI			2 × 31 × 19		2 × 31 × 19	
	Size (W × H × L)		mm	36.4 × 651 × 854.5:824.5		36.4 × 651 × 904.5:874.5	
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 ≤10.0w (when switched OFF by remote control, except under self protection control).
- Specifications are subjected to change without prior notice for further improvement.

• **Multi Split Combination Possibility:**

- A single outdoor unit enables air conditioning of up to two separate rooms for CU-2Z35TBE, CU-2Z41TBE, CU-2Z50TBE.
- A single outdoor unit enables air conditioning of up to three separate rooms for CU-3Z68TBE, CU-3Z52TBE.

CONNECTABLE INDOOR UNIT			OUTDOOR UNIT											
			CU-2Z35TBE		CU-2Z41TBE		CU-2Z50TBE		CU-3Z68TBE			CU-3Z52TBE		
ROOM TYPE			A	B	A	B	A	B	A	B	C	A	B	C
			Wall	1.6kW	CS-MZ16VKE CS-MRZ16VKE	•	•	•	•	•	•	•	•	•
2.0kW	CS-Z20VKEW CS-XZ20VKEW CS-RZ20VKEW	•		•	•	•	•	•	•	•	•	•	•	•
2.5kW	CS-Z25VKEW CS-XZ25VKEW CS-RZ25VKEW	•		•	•	•	•	•	•	•	•	•	•	•
3.5kW	CS-Z35VKEW CS-XZ35VKEW CS-RZ35VKEW	•		-	•	-	•	•	•	•	•	•	•	-
4.2kW	CS-Z42VKEW CS-RZ42VKEW	-		-	-	-	•	-	•	•	-	•	•	-
5.0kW	CS-Z50VKEW CS-XZ50VKEW CS-RZ50VKEW	-		-	-	-	•	-	•	•	-	•	-	-
6.0kW	CS-RZ60VKEW	-		-	-	-	-	-	•	-	-	-	-	-
Capacity range of connectable units			From 3.2kW to 6.0kW		From 3.2kW to 6.0kW		From 3.2kW to 7.7kW		From 4.5kW to 11.2kW			From 4.5kW to 9.5kW		
Pipe length	1 room maximum pipe length (m)		20		20		20		25			25		
	Allowable elevation (m)		10		10		10		15			15		
	Total allowable pipe length (m)		30		30		30		60			50		
	Total pipe length for maximum chargeless length (m)		20		20		20		30			30		
	Additional gas amount over chargeless length (g/m)		15		15		15		20			20		
Note: "•" : Available														
<p>Remarks for CU-2Z35TBE / CU-2Z41TBE / CU-2Z50TBE</p> <ol style="list-style-type: none"> At least two indoor units must be connected. The total nominal cooling capacity of indoor unit that will be connected to outdoor unit must be within connectable capacity range of indoor unit. (as shown in the table above) Example: The indoor units' combination below is possible to connect to CU-2Z41TBE. (Total nominal capacity of indoor units is between 3.2kW to 6.0kW) 1) Two CS-XZ20VKEW only. (Total nominal cooling capacity is 4.0kW) 														
<p>Remarks for CU-3Z68TBE / CU-3Z52TBE</p> <ol style="list-style-type: none"> At least two indoor units must be connected. The total nominal cooling capacity of indoor unit that will be connected to outdoor unit must be within connectable capacity range of indoor unit. (as shown in the table above) Example: The indoor units' combination below is possible to connect to CU-3Z68TBE. (Total nominal capacity of indoor units is between 4.5kW to 11.2kW) 1) Two CS-XZ25VKEW only. (Total nominal cooling capacity is 5.0kW) 														

• **Multi Split Combination Possibility:**

- A single outdoor unit enables air conditioning of up to four separate rooms for CU-4Z68TBE, CU-4Z80TBE.
- A single outdoor unit enables air conditioning of up to five separate rooms for CU-5Z90TBE.

CONNECTABLE INDOOR UNIT			OUTDOOR UNIT												
			CU-4Z68TBE				CU-4Z80TBE				CU-5Z90TBE				
ROOM			A	B	C	D	A	B	C	D	A	B	C	D	E
TYPE			A	B	C	D	A	B	C	D	A	B	C	D	E
Wall	1.6kW	CS-MZ16VKE CS-MRZ16VKE	•	•	•	•	•	•	•	•	•	•	•	•	•
	2.0kW	CS-Z20VKEW CS-XZ20VKEW CS-RZ20VKEW	•	•	•	•	•	•	•	•	•	•	•	•	•
	2.5kW	CS-Z25VKEW CS-XZ25VKEW CS-RZ25VKEW	•	•	•	•	•	•	•	•	•	•	•	•	•
	3.5kW	CS-Z35VKEW CS-XZ35VKEW CS-RZ35VKEW	•	•	•	-	•	•	•	•	•	•	•	•	•
	4.2kW	CS-Z42VKEW CS-RZ42VKEW	•	•	-	-	•	•	•	-	•	•	•	•	-
	5.0kW	CS-Z50VKEW CS-XZ50VKEW CS-RZ50VKEW	•	•	-	-	•	•	-	-	•	•	•	-	-
	6.0kW	CS-RZ60VKEW	•	-	-	-	•	•	-	-	•	•	•	-	-
	7.1kW	CS-Z71VKEW CS-RZ71VKEW	-	-	-	-	•	•	-	-	•	•	-	-	-
Capacity range of connectable units			From 4.5kW to 11.5kW				From 4.5kW to 14.7kW				From 4.5kW to 18.3kW				
Pipe length	1 room maximum pipe length (m)		25				25				25				
	Allowable elevation (m)		15				15				15				
	Total allowable pipe length (m)		60				70				80				
	Total pipe length for maximum chargeless length (m)		30				45				45				
	Additional gas amount over chargeless length (g/m)		20				20				20				
Note: “•” : Available															
Remarks for CU-4Z68TBE / CU-4Z80TBE / CU-5Z90TBE															
1. At least two indoor units must be connected.															
2. The total nominal cooling capacity of indoor unit that will be connected to outdoor unit must be within connectable capacity range of indoor unit. (as shown in the table above)															
Example: The indoor units' combination below is possible to connect to CU-4Z80TBE. (Total nominal capacity of indoor units is between 4.5kW to 14.7kW)															
1) Two CS-XZ25VKEW only. (Total nominal cooling capacity is 5.0kW)															

• **Multi Split Combination Possibility:**

- A single outdoor unit enables air conditioning of up to two separate rooms for CU-2E12SBE, CU-2E15SBE, CU-2E18SBE.
- A single outdoor unit enables air conditioning of up to three separate rooms for CU-3E23SBE, CU-3E18PBE.

CONNECTABLE INDOOR UNIT			OUTDOOR UNIT											
			CU-2E12SBE*		CU-2E15SBE*		CU-2E18SBE*		CU-3E23SBE*			CU-3E18PBE*		
ROOM			A	B	A	B	A	B	A	B	C	A	B	C
TYPE														
Wall	1.6kW	CS-MZ16VKE CS-MRZ16VKE	•	•	•	•	•	•	•	•	•	•	•	•
	2.0kW	CS-Z20VKEW CS-XZ20VKEW CS-RZ20VKEW	•	•	•	•	•	•	•	•	•	•	•	•
	2.5kW	CS-Z25VKEW CS-XZ25VKEW CS-RZ25VKEW	•	•	•	•	•	•	•	•	•	•	•	•
	3.2kW	CS-Z35VKEW CS-XZ35VKEW CS-RZ35VKEW	•	-	•	-	•	•	•	•	•	•	•	-
	4.0kW	CS-Z42VKEW CS-RZ42VKEW	-	-	-	-	•	-	•	•	-	•	•	-
	5.0kW	CS-Z50VKEW CS-XZ50VKEW CS-RZ50VKEW	-	-	-	-	•	-	•	•	-	•	-	-
	6.0kW	CS-RZ60VKEW	-	-	-	-	-	-	•	-	-	-	-	-
Capacity range of connectable units			From 3.2kW to 5.7kW		From 3.2kW to 5.7kW		From 3.2kW to 7.5kW		From 4.5kW to 11.0kW			From 4.5kW to 9.0kW		
Pipe length	1 room maximum pipe length (m)		20		20		20		25			25		
	Allowable elevation (m)		10		10		10		15			15		
	Total allowable pipe length (m)		30		30		30		60			50		
	Total pipe length for maximum chargeless length (m)		20		20		20		30			30		
	Additional gas amount over chargeless length (g/m)		15		15		15		20			20		
Note: "•" : Available														
<p>Remarks for CU-2E12SBE / CU-2E15SBE / CU-2E18SBE</p> <ol style="list-style-type: none"> At least two indoor units must be connected. The total nominal cooling capacity of indoor unit that will be connected to outdoor unit must be within connectable capacity range of indoor unit. (as shown in the table above) Example: The indoor units' combination below is possible to connect to CU-2E15SBE. (Total nominal capacity of indoor units is between 3.2kW to 5.7kW) 1) Two CS-XZ20VKEW only. (Total nominal cooling capacity is 4.0kW) 														
<p>Remarks for CU-3E23SBE / CU-3E18PBE</p> <ol style="list-style-type: none"> At least two indoor units must be connected. The total nominal cooling capacity of indoor unit that will be connected to outdoor unit must be within connectable capacity range of indoor unit. (as shown in the table above) Example: The indoor units' combination below is possible to connect to CU-3E23SBE. (Total nominal capacity of indoor units is between 4.5kW to 11.0kW) 1) Two CS-XZ25VKEW only. (Total nominal cooling capacity is 5.0kW) 														

Note*: Above outdoor unit is contains and operates with refrigerant R410A gas.

• **Multi Split Combination Possibility:**

- A single outdoor unit enables air conditioning of up to four separate rooms for CU-4E23PBE, CU-4E27PBE.
- A single outdoor unit enables air conditioning of up to five separate rooms for CU-5E34PBE.

CONNECTABLE INDOOR UNIT			OUTDOOR UNIT												
			CU-4E23PBE*				CU-4E27PBE*				CU-5E34PBE*				
ROOM			A	B	C	D	A	B	C	D	A	B	C	D	E
TYPE			A	B	C	D	A	B	C	D	A	B	C	D	E
Wall	1.6kW	CS-MZ16VKE CS-MRZ16VKE	•	•	•	•	•	•	•	•	•	•	•	•	•
	2.0kW	CS-Z20VKEW CS-XZ20VKEW CS-RZ20VKEW	•	•	•	•	•	•	•	•	•	•	•	•	•
	2.5kW	CS-Z25VKEW CS-XZ25VKEW CS-RZ25VKEW	•	•	•	•	•	•	•	•	•	•	•	•	•
	3.2kW	CS-Z35VKEW CS-XZ35VKEW CS-RZ35VKEW	•	•	•	-	•	•	•	•	•	•	•	•	•
	4.0kW	CS-Z42VKEW CS-RZ42VKEW	•	•	-	-	•	•	•	-	•	•	•	•	-
	5.0kW	CS-Z50VKEW CS-XZ50VKEW CS-RZ50VKEW	•	•	-	-	•	•	-	-	•	•	•	-	-
	6.0kW	CS-RZ60VKEW	•	-	-	-	•	•	-	-	•	•	-	-	-
	7.1kW	CS-Z71VKEW CS-RZ71VKEW	•	-	-	-	•	-	-	-	•	•	-	-	-
Capacity range of connectable units			From 4.5kW to 11.0kW				From 4.5kW to 13.6kW				From 4.5kW to 17.5kW				
Pipe length	1 room maximum pipe length (m)		25				25				25				
	Allowable elevation (m)		15				15				15				
	Total allowable pipe length (m)		60				70				80				
	Total pipe length for maximum chargeless length (m)		30				45				45				
	Additional gas amount over chargeless length (g/m)		20				20				20				
Note: "•" : Available															
Remarks for CU-4E23PBE / CU-4E27PBE / CU-5E34PBE															
1. At least two indoor units must be connected.															
2. The total nominal cooling capacity of indoor unit that will be connected to outdoor unit must be within connectable capacity range of indoor unit. (as shown in the table above)															
Example: The indoor units' combination below is possible to connect to CU-4E27PBE. (Total nominal capacity of indoor units is between 4.5kW to 13.6kW)															
1) Two CS-XZ25VKEW only. (Total nominal cooling capacity is 5.0kW)															

Note*: Above outdoor unit is contains and operates with refrigerant R410A gas.