3. Specifications

Model			Indoor	CS-Z20XKEW, CS-XZ20XKEW		
			Outdoor	CU-Z20XKE		
Performance Test Condition				EUROVENT		
Power Supply			Phase, Hz	Single, 50		
			V	230		
				Min.	Mid.	Max
Cooling	Capacity		kW	0.75	2.05	2.65
			BTU/h	2560	6990	9040
			kcal/h	650	1760	2280
	Running Current		A	-	2.15	-
	Input Power		W	160	450	670
	Annual Consumption		kWh	-	225	-
	EER CLASS			-	A	-
	EER		W/W	4.69	4.56	3.96
			BTU/hW	16.00	15.53	13.49
			kcal/hW	4.06	3.91	3.40
	ErP	Pdesign	kW	2.1		
		SEER	(W/W)	8.1		
		Annual Consumption	kWh	91		
		Class		A++		
	Power Factor		%	-	91	-
	Indoor Noise (H / L / QLo)		dB (A)	37 / 24 / 19		
			Power Level dB (A)	53 / - / -		
	Outdoor Noise (H / L / QLo)		dB (A)	45 / - / -		
			Power Level dB (A)	60 / - / -		
Heating	Capacity		kW	0.75	2.80	4.00
			BTU/h	2560	9550	13600
			kcal/h	650	2410	3440
	Running Current		A	-	2.80	-
	Input Power		W	160	620	940
	COP CLASS			-	A	-
	COP		W/W	4.69	4.52	4.26
			BTU/hW	16.00	15.40	14.47
			kcal/hW	4.06	3.89	3.66
	ErP	Pdesign	kW	2.1		
		Tbivalent	°C	-10		
		SCOP	(W/W)	4.8		
		Annual Consumption	kWh	613		
		Class		A++		
	Power Factor		%	-	96	-
	Indoor Noise (H / L / QLo)		dB (A)	38 / 25 / 19		
			Power Level dB (A)	54 / - / -		
	Outdoor Noise (H / L / QLo)		dB (A)	46 / - / -		
			Power Level dB (A)	61 / - / -		
LOW Temp: Capacity (kW) / I. Power W) / COP				2.90 / 830 / 3.49		
EXTR LOW Temp: Capacity (kW) / I. Power W) / COP				2.38 / 840 / 2.83		
Max Current (A) / Max Input Power (W)				4.1 / 940		
Starting Current (A)				2.80		

Model				Indoor	CS-Z20XKEW, CS-XZ20XKEW
				Outdoor	CU-Z20XKE
Compressor		Type			Hermetic Motor / Rotary
		Motor Type			Brushless (6-poles)
		Output Power		W	550
Indoor Fan	Type				Cross-flow fan
	Material				ASG30
	Motor Type				DC (8-pole)
	Input Power			W	47.1
	Output Power			W	30
	Speed	QLo	Cool	rpm	500
			Heat	rpm	510
		Lo	Cool	rpm	580
			Heat	rpm	620
		Me	Cool	rpm	720
			Heat	rpm	780
		Hi	Cool	rpm	860
			Heat	rpm	940
		SHi	Cool	rpm	920
			Heat	rpm	1000
Outdoor Fan	Type				Propeller Fan
	Material				PP
	Motor Type				DC (8-pole)
	Input Power			W	-
	Output Power			W	40
	Speed	Hi	Cool	rpm	760
			Heat	rpm	740
Moisture Removal				L/h (Pt/h)	1.3 (2.7)
Indoor Airflow		QLo	Cool	m³/min (ft³/min)	5.94 (210)
			Heat	m³/min (ft³/min)	6.10 (215)
		Lo	Cool	m³/min (ft³/min)	7.23 (255)
			Heat	m³/min (ft³/min)	7.87 (278)
		Me	Cool	m³/min (ft³/min)	9.48 (335)
			Heat	m³/min (ft³/min)	10.44 (369)
		Hi	Cool	m³/min (ft³/min)	11.70 (415)
			Heat	m³/min (ft³/min)	13.00 (460)
		SHi	Cool	m³/min (ft³/min)	12.70 (449)
			Heat	m³/min (ft³/min)	13.98 (494)
Outdoor Airflow		Hi	Cool	m³/min (ft³/min)	27.4 (965)
			Heat	m³/min (ft³/min)	26.7 (945)
Refrigerant Cycle		Control Device			Expansion Valve
		Refrigerant Oil		cm³	FW50S (270)
		Refrigerant Type		kg (oz)	R32, 0.67 (23.7)
F-Gas		GWP			675
		CO2eq (ton) (Precharge Amount / Maximum Charged Amount)			0.45 / 0.50

Model			Indoor	CS-Z20XKEW, CS-XZ20XKEW	
			Outdoor	CU-Z20XKE	
Dimension	Unit	Height (ID / OD)	mm (inch)	295 (11-5/8) / 542 (21-11/32)	
		Width (ID / OD)	mm (inch)	870 (34-9/32) / 780 (30-23/32)	
		Depth (ID / OD)	mm (inch)	229 (9-1/32) / 289 (11-13/32)	
Weight	Net (I/D / O/D)		kg (lb)	10 (22) / 25 (55)	
Piping	Pipe Diameter (Liquid / Gas)		mm (inch)	6.35 (1/4) / 9.52 (3/8)	
	Standard Length		m (ft)	5.0 (16.4)	
	Length Range (min - max)		m (ft)	3 (9.8) ~ 15 (49.2)	
	I/D & O/D Height Different		m (ft)	15.0 (49.2)	
	Additional Gas Amount		g/m (oz/ft)	10 (0.1)	
	Length for Additional Gas		m (ft)	7.5 (24.6)	
Drain Hose	Inner Diameter		mm	16.7	
	Length		mm	650	
Indoor Heat Exchanger	Fin Material			Aluminium (Pre coat)	
	Fin Type			Slit Fin	
	Row x Stage x FPI			2 x 17 x 21	
	Size (W x H x L)		mm	644.5 x 357 x 25.4	
Outdoor Heat Exchanger	Fin Material			Aluminium (Pre coat)	
	Fin Type			Corrugated Fin	
	Row x Stage x FPI			1:1 x 24:12 x 17:17	
	Size (W x H x L)		mm	36.4 x 504:252 x 713:684	
Air Filter	Material			Polypropelene	
	Type			One-touch	
Power Supply				Indoor	
Power Supply Cord				Nil	
Thermostat				Electronic Control	
Protection Device				Electronic Control	
				Dry Bulb	Wet Bulb
Indoor Operation Range	Cooling		Maximum °C (°F)	32	23
			Minimum °C (°F)	16	11
	Heating		Maximum °C (°F)	30	-
			Minimum °C (°F)	16	-
Outdoor Operation Range	Cooling		Maximum °C (°F)	43	26
			Minimum °C (°F)	-10	-
	Heating		Maximum °C (°F)	24	18
			Minimum °C (°F)	-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. Network Impedance shall be applicable for Europe models only.
4. The annual consumption is calculated by multiplying the input power by an average of 500 hours per year in cooling mode.
5. EER and COP Class: Refer Att 11, RAD-A-04-06, eg. Europe: classification is at 230V only in accordance with EU directive 2003/31/EC, A – G, Australia: n star, Singapore: Tick n, etc.
6. Heating low temperature capacity, Input Power and COP measured at 230 V, indoor temperature 20°C, outdoor 2/1°C.
7. Heating extreme low temperature capacity, Input Power and COP measured at 230 V, indoor temperature 20°C, outdoor -7/-8°C.
8. Standby power consumption ≤2.0W (when switched OFF by remote control, except under self protection control).
9. Specifications are subjected to change without prior notice for further improvement.
10. SEER and SCOP classification is at 230V only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season. Other fiche data indicates in an attached sheet.

Model			Indoor	CS-Z25XKEW, CS-XZ25XKEW		
			Outdoor	CU-Z25XKE		
Performance Test Condition				EUROVENT		
Power Supply			Phase, Hz	Single, 50		
			V	230		
				Min.	Mid.	Max
Cooling	Capacity		kW	0.85	2.50	3.50
			BTU/h	2900	8530	11900
			kcal/h	730	2150	3010
	Running Current		A	-	2.40	-
	Input Power		W	170	510	900
	Annual Consumption		kWh	-	255	-
	EER Class			-	A	-
	EER		W/W	5.00	4.90	3.89
			BTU/hW	17.06	16.73	13.22
			kcal/hW	4.29	4.22	3.34
	ErP	Pdesign	kW	2.5		
		SEER	(W/W)	9.4		
		Annual Consumption	kWh	93		
		Class		A+++		
	Power Factor		%	-	92	-
	Indoor Noise (H / L / QLo)		dB (A)	39 / 25 / 19		
			Power Level dB (A)	55 / - / -		
	Outdoor Noise (H / L / QLo)		dB (A)	46 / - / -		
			Power Level dB (A)	61 / - / -		
Heating	Capacity		kW	0.80	3.40	4.80
			BTU/h	2730	11600	16400
			kcal/h	690	2920	4130
	Running Current		A	-	3.20	-
	Input Power		W	160	700	1.18k
	COP CLASS			-	A	-
	COP		W/W	5.00	4.86	4.07
			BTU/hW	17.06	16.57	13.90
			kcal/hW	4.31	4.17	3.50
	ErP	Pdesign	kW	2.4		
		Tbivalent	°C	-10		
		SCOP	(W/W)	5.2		
		Annual Consumption	kWh	646		
		Class		A+++		
	Power Factor		%	-	95	-
	Indoor Noise (H / L / QLo)		dB (A)	41 / 27 / 19		
			Power Level dB (A)	57 / - / -		
	Outdoor Noise (H / L / QLo)		dB (A)	47 / - / -		
			Power Level dB (A)	62 / - / -		
LOW Temp: Capacity (kW) / I. Power W) / COP				3.48 / 1.04k / 3.35		
EXTR LOW Temp: Capacity (kW) / I. Power W) / COP				2.80 / 1.00k / 2.80		
Max Current (A) / Max Input Power (W)				5.3 / 1.18k		
Starting Current (A)				3.20		

Model				Indoor	CS-Z25XKEW, CS-XZ25XKEW
				Outdoor	CU-Z25XKE
Compressor		Type			Hermetic Motor / Rotary
		Motor Type			Brushless (6-poles)
		Output Power		W	550
Indoor Fan	Type				Cross-flow fan
	Material				ASG30
	Motor Type				DC (8-pole)
	Input Power			W	47.1
	Output Power			W	30
	Speed	QLo	Cool	rpm	500
			Heat	rpm	510
		Lo	Cool	rpm	610
			Heat	rpm	670
		Me	Cool	rpm	770
			Heat	rpm	850
		Hi	Cool	rpm	920
			Heat	rpm	1010
		SHi	Cool	rpm	980
			Heat	rpm	1070
Outdoor Fan	Type				Propeller Fan
	Material				PP
	Motor Type				DC (8-pole)
	Input Power			W	-
	Output Power			W	40
	Speed	Hi	Cool	rpm	820
			Heat	rpm	780
Moisture Removal				L/h (Pt/h)	1.5 (3.2)
Indoor Airflow		QLo	Cool	m³/min (ft³/min)	5.94 (210)
			Heat	m³/min (ft³/min)	6.10 (215)
		Lo	Cool	m³/min (ft³/min)	7.71 (272)
			Heat	m³/min (ft³/min)	8.68 (306)
		Me	Cool	m³/min (ft³/min)	10.28 (363)
			Heat	m³/min (ft³/min)	11.57 (409)
		Hi	Cool	m³/min (ft³/min)	12.70 (450)
			Heat	m³/min (ft³/min)	14.10 (500)
		SHi	Cool	m³/min (ft³/min)	13.66 (482)
			Heat	m³/min (ft³/min)	15.11 (534)
Outdoor Airflow		Hi	Cool	m³/min (ft³/min)	28.70 (1015)
			Heat	m³/min (ft³/min)	27.20 (960)
Refrigerant Cycle		Control Device			Expansion Valve
		Refrigerant Oil		cm³	FW50S (270)
		Refrigerant Type		kg (oz)	R32, 0.80 (28.2)
F-Gas		GWP			675
		CO2eq (ton) (Precharge Amount / Maximum Charged Amount)			0.54 / 0.59

Model			Indoor	CS-Z25XKEW, CS-XZ25XKEW	
			Outdoor	CU-Z25XKE	
Dimension	Unit	Height (ID / OD)	mm (inch)	295 (11-5/8) / 542 (21-11/32)	
		Width (ID / OD)	mm (inch)	870 (34-9/32) / 780 (30-23/32)	
		Depth (ID / OD)	mm (inch)	229 (9-1/32) / 289 (11-13/32)	
Weight	Net (I/D / O/D)		kg (lb)	10 (22) / 27 (60)	
Piping	Pipe Diameter (Liquid / Gas)		mm (inch)	6.35 (1/4) / 9.52 (3/8)	
	Standard Length		m (ft)	5.0 (16.4)	
	Length Range (min - max)		m (ft)	3 (9.8) ~ 15 (49.2)	
	I/D & O/D Height Different		m (ft)	15.0 (49.2)	
	Additional Gas Amount		g/m (oz/ft)	10 (0.1)	
	Length for Additional Gas		m (ft)	7.5 (24.6)	
Drain Hose	Inner Diameter		mm	16.7	
	Length		mm	650	
Indoor Heat Exchanger	Fin Material			Aluminium (Pre coat)	
	Fin Type			Slit Fin	
	Row x Stage x FPI			2 x 17 x 21	
	Size (W x H x L)		mm	644.5 x 357 x 25.4	
Outdoor Heat Exchanger	Fin Material			Aluminium (Pre coat)	
	Fin Type			Corrugated Fin	
	Row x Stage x FPI			2 x 24 x 19	
	Size (W x H x L)		mm	36.4 x 504 x 824.2:793.7	
Air Filter	Material			Polypropelene	
	Type			One-touch	
Power Supply				Indoor	
Power Supply Cord				NIL	
Thermostat				Electronic Control	
Protection Device				Electronic Control	
				Dry Bulb	Wet Bulb
Indoor Operation Range	Cooling		Maximum °C (°F)	32	23
			Minimum °C (°F)	16	11
	Heating		Maximum °C (°F)	30	-
			Minimum °C (°F)	16	-
Outdoor Operation Range	Cooling		Maximum °C (°F)	43	26
			Minimum °C (°F)	-10	-
	Heating		Maximum °C (°F)	24	18
			Minimum °C (°F)	-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. Network Impedance shall be applicable for Europe models only.
4. The annual consumption is calculated by multiplying the input power by an average of 500 hours per year in cooling mode.
5. EER and COP Class: Refer Att 11, RAD-A-04-06, eg. Europe: classification is at 230V only in accordance with EU directive 2003/31/EC, A – G, Australia: n star, Singapore: Tick n, etc.
6. Heating low temperature capacity, Input Power and COP measured at 230 V, indoor temperature 20°C, outdoor 2/1°C.
7. Heating extreme low temperature capacity, Input Power and COP measured at 230 V, indoor temperature 20°C, outdoor -7/-8°C.
8. Standby power consumption ≤2.0W (when switched OFF by remote control, except under self protection control).
9. Specifications are subjected to change without prior notice for further improvement.
10. SEER and SCOP classification is at 230V only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season. Other fiche data indicates in an attached sheet.

Model			Indoor	CS-Z35XKEW / CS-XZ35XKEW		
			Outdoor	CU-Z35XKE		
Performance Test Condition				EUROVENT		
Power Supply			Phase, Hz	Single, 50		
			V	230		
				Min.	Mid.	Max
Cooling	Capacity		kW	0.85	3.50	4.20
			BTU/h	2900	11900	14300
			kcal/h	730	3010	3610
	Running Current		A	-	3.90	-
	Input Power		W	200	850	1.16k
	Annual Consumption		kWh	-	425	-
	EER CLASS			-	A	-
	EER		W/W	4.25	4.12	3.62
			BTU/hW	14.5	14.00	12.33
			kcal/hW	3.65	3.54	3.11
	ErP	Pdesign	kW	3.5		
		SEER	(W/W)	9.5		
		Annual Consumption	kWh	129		
		Class		A+++		
	Power Factor		%	-	95	-
	Indoor Noise (H / L / QLo)		dB (A)	42 / 28 / 19		
			Power Level dB (A)	58 / - / -		
	Outdoor Noise (H / L / QLo)		dB (A)	48 / - / -		
			Power Level dB (A)	63 / - / -		
Heating	Capacity		kW	0.80	4.00	5.50
			BTU/h	2730	13600	18800
			kcal/h	690	3440	4730
	Running Current		A	-	4.10	-
	Input Power		W	180	900	1.46k
	COP CLASS			-	A	-
	COP		W/W	4.44	4.44	3.77
			BTU/hW	15.17	15.11	12.88
			kcal/hW	3.83	3.82	3.24
	ErP	Pdesign	kW	2.8		
		Tbivalent	°C	-10		
		SCOP	(W/W)	5.2		
		Annual Consumption	kWh	754		
		Class		A+++		
	Power Factor		%	-	95	-
	Indoor Noise (H / L / QLo)		dB (A)	43 / 33 / 19		
			Power Level dB (A)	59 / - / -		
	Outdoor Noise (H / L / QLo)		dB (A)	50 / - / -		
			Power Level dB (A)	65 / - / -		
LOW Temp: Capacity (kW) / I. Power W) / COP				3.99 / 1.29k / 3.09		
EXTR LOW Temp: Capacity (kW) / I. Power W) / COP				3.20 / 1.26k / 2.54		
Max Current (A) / Max Input Power (W)				6.4 / 1.46k		
Starting Current (A)				4.10		

Model				Indoor	CS-Z35XKEW / CS-XZ35XKEW
				Outdoor	CU-Z35XKE
Compressor		Type			Hermetic Motor / Rotary
		Motor Type			Brushless (6-poles)
		Output Power		W	700
Indoor Fan	Type				Cross-flow fan
	Material				ASG30
	Motor Type				DC (8-pole)
	Input Power			W	47.1
	Output Power			W	30
	Speed	QLo	Cool	rpm	500
			Heat	rpm	510
		Lo	Cool	rpm	670
			Heat	rpm	810
		Me	Cool	rpm	830
			Heat	rpm	970
		Hi	Cool	rpm	1000
			Heat	rpm	1130
		SHi	Cool	rpm	1060
			Heat	rpm	1190
Outdoor Fan	Type				Propeller Fan
	Material				PP
	Motor Type				DC (8-pole)
	Input Power			W	-
	Output Power			W	40
	Speed	Hi	Cool	rpm	850
			Heat	rpm	850
Moisture Removal				L/h (Pt/h)	2.0 (4.2)
Indoor Airflow		QLo	Cool	m³/min (ft³/min)	4.83 (171)
			Heat	m³/min (ft³/min)	4.98 (176)
		Lo	Cool	m³/min (ft³/min)	7.50 (265)
			Heat	m³/min (ft³/min)	9.71 (343)
		Me	Cool	m³/min (ft³/min)	10.02 (354)
			Heat	m³/min (ft³/min)	12.23 (432)
		Hi	Cool	m³/min (ft³/min)	12.70 (450)
			Heat	m³/min (ft³/min)	14.70 (520)
		SHi	Cool	m³/min (ft³/min)	13.65 (482)
			Heat	m³/min (ft³/min)	15.69 (554)
Outdoor Airflow		Hi	Cool	m³/min (ft³/min)	29.80 (1050)
			Heat	m³/min (ft³/min)	30.60 (1080)
Refrigerant Cycle		Control Device			Expansion Valve
		Refrigerant Oil		cm³	FW50S (320)
		Refrigerant Type		kg (oz)	R32, 0.89 (31.4)
F-Gas		GWP			675
		CO2eq (ton) (Precharge Amount / Maximum Charged Amount)			0.60 / 0.65

Model			Indoor	CS-Z35XKEW / CS-XZ35XKEW	
			Outdoor	CU-Z35XKE	
Dimension	Unit	Height (ID / OD)	mm (inch)	295 (11-5/8) / 542 (21-11/32)	
		Width (ID / OD)	mm (inch)	870 (34-9/32) / 780 (30-23/32)	
		Depth (ID / OD)	mm (inch)	229 (9-1/32) / 289 (11-13/32)	
Weight	Net (I/D / O/D)		kg (lb)	11 (24) / 30 (66)	
Piping	Pipe Diameter (Liquid / Gas)		mm (inch)	6.35 (1/4) / 9.52 (3/8)	
	Standard Length		m (ft)	5.0 (16.4)	
	Length Range (min - max)		m (ft)	3 (9.8) ~ 15 (49.2)	
	I/D & O/D Height Different		m (ft)	15.0 (49.2)	
	Additional Gas Amount		g/m (oz/ft)	10 (0.1)	
	Length for Additional Gas		m (ft)	7.5 (24.6)	
Drain Hose	Inner Diameter		mm	16.7	
	Length		mm	650	
Indoor Heat Exchanger	Fin Material			Aluminium (Pre coat)	
	Fin Type			Slit Fin	
	Row x Stage x FPI			2 x 17 x 21	
	Size (W x H x L)		mm	644.5 x 357 x 25.4	
Outdoor Heat Exchanger	Fin Material			Aluminium (Pre coat)	
	Fin Type			Corrugated Fin	
	Row x Stage x FPI			2 x 24 x 19	
	Size (W x H x L)		mm	36.4 x 504 x 824.2:793.7	
Air Filter	Material			Polypropelene	
	Type			One-touch	
Power Supply				Indoor	
Power Supply Cord				NIL	
Thermostat				Electronic Control	
Protection Device				Electronic Control	
				Dry Bulb	Wet Bulb
Indoor Operation Range	Cooling		Maximum °C (°F)	32	23
			Minimum °C (°F)	16	11
	Heating		Maximum °C (°F)	30	-
			Minimum °C (°F)	16	-
Outdoor Operation Range	Cooling		Maximum °C (°F)	43	26
			Minimum °C (°F)	-10	-
	Heating		Maximum °C (°F)	24	18
			Minimum °C (°F)	-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. Network Impedance shall be applicable for Europe models only.
4. The annual consumption is calculated by multiplying the input power by an average of 500 hours per year in cooling mode.
5. EER and COP Class: Refer Att 11, RAD-A-04-06, eg. Europe: classification is at 230V only in accordance with EU directive 2003/31/EC, A – G, Australia: n star, Singapore: Tick n, etc.
6. Heating low temperature capacity, Input Power and COP measured at 230 V, indoor temperature 20°C, outdoor 2/1°C.
7. Heating extreme low temperature capacity, Input Power and COP measured at 230 V, indoor temperature 20°C, outdoor -7/-8°C.
8. Standby power consumption ≤2.0W (when switched OFF by remote control, except under self protection control).
9. Specifications are subjected to change without prior notice for further improvement.
10. SEER and SCOP classification is at 230V only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season. Other fiche data indicates in an attached sheet.

Model			Indoor	CS-Z42XKEW		
			Outdoor	CU-Z42XKE		
Performance Test Condition				EUROVENT		
Power Supply			Phase, Hz	Single, 50		
			V	230		
				Min.	Mid.	Max
Cooling	Capacity		kW	0.85	4.20	5.00
			BTU/h	2900	14300	17100
			kcal/h	730	3610	4300
	Running Current		A	-	5.50	-
	Input Power		W	235	1.24k	1.57k
	Annual Consumption		kWh	-	620	-
	EER CLASS			-	A	-
	EER		W/W	3.62	3.39	3.18
			BTU/hW	12.34	11.53	10.89
			kcal/hW	3.11	2.91	2.74
	ErP	Pdesign	kW	4.2		
		SEER	(W/W)	7.0		
		Annual Consumption	kWh	210		
		Class		A++		
	Power Factor		%	-	98	-
	Indoor Noise (H / L / QLo)		dB (A)	43 / 31 / 25		
			Power Level dB (A)	59 / - / -		
	Outdoor Noise (H / L / QLo)		dB (A)	49 / - / -		
			Power Level dB (A)	64 / - / -		
Heating	Capacity		kW	0.80	5.30	6.80
			BTU/h	2730	18100	23200
			kcal/h	690	4560	5850
	Running Current		A	-	6.40	-
	Input Power		W	190	1.44k	1.86k
	COP CLASS			-	A	-
	COP		W/W	4.21	3.68	3.66
			BTU/hW	14.37	12.57	12.47
			kcal/hW	3.63	3.17	3.15
	ErP	Pdesign	kW	3.6		
		Tbivalent	°C	-10		
		SCOP	(W/W)	4.2		
		Annual Consumption	kWh	1200		
		Class		A+		
	Power Factor		%	-	98	-
	Indoor Noise (H / L / QLo)		dB (A)	43 / 35 / 29		
			Power Level dB (A)	59 / - / -		
	Outdoor Noise (H / L / QLo)		dB (A)	51 / - / -		
			Power Level dB (A)	66 / - / -		
LOW Temp: Capacity (kW) / I. Power W) / COP				4.93 / 1.65k / 2.99		
EXTR LOW Temp: Capacity (kW) / I. Power W) / COP				4.11 / 1.60k / 2.57		
Max Current (A) / Max Input Power (W)				8.1 / 1.84k		
Starting Current (A)				6.40		

Model				Indoor	CS-Z42XKEW
				Outdoor	CU-Z42XKE
Compressor		Type			Hermetic Motor / Rotary
		Motor Type			Brushless (6-poles)
		Output Power		W	700
Indoor Fan	Type				Cross-flow fan
	Material				ASG30
	Motor Type				DC (8-pole)
	Input Power			W	47.1
	Output Power			W	30
	Speed	QLo	Cool	rpm	620
			Heat	rpm	700
		Lo	Cool	rpm	730
			Heat	rpm	840
		Me	Cool	rpm	890
			Heat	rpm	960
		Hi	Cool	rpm	1030
			Heat	rpm	1090
		SHi	Cool	rpm	1090
			Heat	rpm	1150
Outdoor Fan	Type				Propeller Fan
	Material				PP
	Motor Type				DC (8-pole)
	Input Power			W	-
	Output Power			W	40
	Speed	Hi	Cool	rpm	850
			Heat	rpm	880
Moisture Removal				L/h (Pt/h)	2.4 (5.1)
Indoor Airflow		QLo	Cool	m³/min (ft³/min)	7.87 (278)
			Heat	m³/min (ft³/min)	9.16 (323)
		Lo	Cool	m³/min (ft³/min)	9.64 (340)
			Heat	m³/min (ft³/min)	11.41 (403)
		Me	Cool	m³/min (ft³/min)	12.21 (431)
			Heat	m³/min (ft³/min)	13.34 (471)
		Hi	Cool	m³/min (ft³/min)	14.40 (510)
			Heat	m³/min (ft³/min)	15.40 (545)
		SHi	Cool	m³/min (ft³/min)	15.43 (545)
			Heat	m³/min (ft³/min)	16.40 (579)
Outdoor Airflow		Hi	Cool	m³/min (ft³/min)	29.80 (1050)
			Heat	m³/min (ft³/min)	30.90 (1090)
Refrigerant Cycle		Control Device			Expansion Valve
		Refrigerant Oil		cm³	FW50S (320)
		Refrigerant Type		kg (oz)	R32, 0.95 (33.5)
F-Gas		GWP			675
		CO2eq (ton) (Precharge Amount / Maximum Charged Amount)			0.64 / 0.69

Model			Indoor	CS-Z42XKEW	
			Outdoor	CU-Z42XKE	
Dimension	Unit	Height (ID / OD)	mm (inch)	295 (11-5/8) / 542 (21-11/32)	
		Width (ID / OD)	mm (inch)	870 (34-9/32) / 780 (30-23/32)	
		Depth (ID / OD)	mm (inch)	229 (9-1/32) / 289 (11-13/32)	
Weight	Net (I/D / O/D)		kg (lb)	10 (22) / 30 (66)	
Piping	Pipe Diameter (Liquid / Gas)		mm (inch)	6.35 (1/4) / 12.70 (1/2)	
	Standard Length		m (ft)	5.0 (16.4)	
	Length Range (min - max)		m (ft)	3 (9.8) ~ 15 (49.2)	
	I/D & O/D Height Different		m (ft)	15.0 (49.2)	
	Additional Gas Amount		g/m (oz/ft)	10 (0.1)	
	Length for Additional Gas		m (ft)	7.5 (24.6)	
Drain Hose	Inner Diameter		mm	16.7	
	Length		mm	650	
Indoor Heat Exchanger	Fin Material			Aluminium (Pre coat)	
	Fin Type			Slit Fin	
	Row x Stage x FPI			2 x 17 x 21	
	Size (W x H x L)		mm	644.5 x 357 x 25.4	
Outdoor Heat Exchanger	Fin Material			Aluminium (Pre coat)	
	Fin Type			Corrugated Fin	
	Row x Stage x FPI			2 x 24 x 19	
	Size (W x H x L)		mm	36.4 x 504 x 824:794	
Air Filter	Material			Polypropelene	
	Type			One-touch	
Power Supply				Indoor	
Power Supply Cord				NIL	
Thermostat				Electronic Control	
Protection Device				Electronic Control	
				Dry Bulb	Wet Bulb
Indoor Operation Range	Cooling		Maximum °C (°F)	32	23
			Minimum °C (°F)	16	11
	Heating		Maximum °C (°F)	30	-
			Minimum °C (°F)	16	-
Outdoor Operation Range	Cooling		Maximum °C (°F)	43	26
			Minimum °C (°F)	-10	-
	Heating		Maximum °C (°F)	24	18
			Minimum °C (°F)	-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. Network Impedance shall be applicable for Europe models only.
4. The annual consumption is calculated by multiplying the input power by an average of 500 hours per year in cooling mode.
5. EER and COP Class: Refer Att 11, RAD-A-04-06, eg. Europe: classification is at 230V only in accordance with EU directive 2003/31/EC, A – G, Australia: n star, Singapore: Tick n, etc.
6. Heating low temperature capacity, Input Power and COP measured at 230 V, indoor temperature 20°C, outdoor 2/1°C.
7. Heating extreme low temperature capacity, Input Power and COP measured at 230 V, indoor temperature 20°C, outdoor -7/-8°C.
8. Standby power consumption ≤2.0W (when switched OFF by remote control, except under self protection control).
9. Specifications are subjected to change without prior notice for further improvement.
10. SEER and SCOP classification is at 230V only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season. Other fiche data indicates in an attached sheet.

- **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		
TYPE \ ROOM			A	B	A	B	A	B	A	B	C	A	B	C
Wall	1.6kW	CS-MZ16XKEW	●	●	●	●	●	●	●	●	●	●	●	●
	2.0kW	CS-Z20XKEW CS-XZ20XKEW	●	●	●	●	●	●	●	●	●	●	●	●
	2.5kW	CS-Z25XKEW CS-XZ25XKEW	●	●	●	●	●	●	●	●	●	●	●	●
	3.5kW	CS-Z35XKEW CS-XZ35XKEW	●	–	●	–	●	●	●	●	●	●	●	–
	4.2kW	CS-Z42XKEW	–	–	–	–	●	–	●	●	–	●	●	–
	5.0kW	CS-Z50XKEW CS-XZ50XKEW	–	–	–	–	●	–	●	●	–	●	–	–
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

Remarks for CU-2Z35TBE / CU-2Z41TBE / CU-2Z50TBE

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-2Z41TBE. (Total nominal capacity of indoor units is between 3.2kW to 6.0kW)
   1) Two CS-XZ20XKEW only. (Total nominal cooling capacity is 4.0kW)

Remarks for CU-3Z68TBE / CU-3Z52TBE

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-3Z68TBE. (Total nominal capacity of indoor units is between 4.5kW to 11.2kW)
   1) Two CS-XZ25XKEW 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				
TYPE \ ROOM			A	B	C	D	A	B	C	D	A	B	C	D	E
Wall	1.6kW	CS-MZ16XKEW	●	●	●	●	●	●	●	●	●	●	●	●	●
	2.0kW	CS-Z20XKEW CS-XZ20XKEW	●	●	●	●	●	●	●	●	●	●	●	●	●
	2.5kW	CS-Z25XKEW CS-XZ25XKEW	●	●	●	●	●	●	●	●	●	●	●	●	●
	3.5kW	CS-Z35XKEW CS-XZ35XKEW	●	●	●	–	●	●	●	●	●	●	●	●	●
	4.2kW	CS-Z42XKEW	●	●	–	–	●	●	●	–	●	●	●	●	–
	5.0kW	CS-Z50XKEW CS-XZ50XKEW	●	●	–	–	●	●	–	–	●	●	●	–	–
	7.1kW	CS-Z71XKEW	–	–	–	–	●	●	–	–	●	●	–	–	–
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-XZ25XKEW only. (Total nominal cooling capacity is 5.0kW)