

3. Specifications

Model			Indoor		CS-Z25YKEA-1			
			Outdoor		CU-Z25YKEA-1			
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		-	2.35	-	
	Input Power		W		180	510	880	
	Annual Consumption		kWh		-	255	-	
	EER Class				-	A	-	
	EER		W/W		4.72	4.90	3.98	
			BTU/hW		16.11	16.73	13.52	
			kcal/hW		4.06	4.22	3.42	
	ErP	Pdesign		kW		2.5		
		SEER		(W/W)		9.5		
		Annual Consumption		kWh		92		
		Class				A+++		
	Power Factor			%		-	94	-
	Indoor Noise (H / L / QLo)			Pressure Level dB (A)		39 / 25 / 21		
				Power Level dB (A)		55 / - / -		
	Outdoor Noise (H / L / QLo)			Pressure Level dB (A)		46 / - / -		
				Power Level dB (A)		61 / - / -		
Heating	Capacity		kW		0.85	3.40	5.00	
			BTU/h		2900	11600	17100	
			kcal/h		730	2920	4300	
	Running Current		A		-	3.25	-	
	Input Power		W		180	700	1.26k	
	COP CLASS				-	A	-	
	COP		W/W		4.72	4.86	3.97	
			BTU/hW		16.11	16.57	13.57	
			kcal/hW		4.06	4.17	3.41	
	ErP	Pdesign		kW		2.7		
		Tbivalent		°C		-10		
		SCOP		(W/W)		4.6		
		Annual Consumption		kWh		822		
		Class				A++		
	Power Factor			%		-	94	-
	Indoor Noise (H / L / QLo)			Pressure Level dB (A)		41 / 27 / 22		
				Power Level dB (A)		57 / - / -		
	Outdoor Noise (H / L / QLo)			Pressure Level dB (A)		48 / - / -		
				Power Level dB (A)		63 / - / -		
LOW Temp: Capacity (kW) / I. Power (W) / COP					3.62 / 1.12k / 3.23			
EXTR LOW Temp: Capacity (kW) / I. Power (W) / COP					3.05 / 1.10k / 2.77			
Max Current (A) / Max Input Power (W)					5.6 / 1.26k			
Starting Current (A)					3.25			

Model				Indoor	CS-Z25YKEA-1
				Outdoor	CU-Z25YKEA-1
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	530
			Heat	rpm	570
		Lo	Cool	rpm	610
			Heat	rpm	690
		Me	Cool	rpm	770
			Heat	rpm	870
		Hi	Cool	rpm	920
			Heat	rpm	1040
		SHi	Cool	rpm	980
			Heat	rpm	1100
Outdoor Fan	Type				Propeller Fan
	Material				PP
	Motor Type				DC (8-pole)
	Input Power			W	-
	Output Power			W	40
	Speed	Hi	Cool	rpm	790
			Heat	rpm	790
Moisture Removal				L/h (Pt/h)	1.5 (3.2)
Indoor Airflow		QLo	Cool	m³/min (ft³/min)	5.30 (187)
			Heat	m³/min (ft³/min)	5.93 (209)
		Lo	Cool	m³/min (ft³/min)	6.56 (232)
			Heat	m³/min (ft³/min)	7.82 (276)
		Me	Cool	m³/min (ft³/min)	9.08 (321)
			Heat	m³/min (ft³/min)	10.65 (376)
		Hi	Cool	m³/min (ft³/min)	11.40 (400)
			Heat	m³/min (ft³/min)	13.30 (470)
SHi	Cool	m³/min (ft³/min)	12.39 (437)		
	Heat	m³/min (ft³/min)	14.28 (504)		
Outdoor Airflow		Hi	Cool	m³/min (ft³/min)	27.60 (975)
			Heat	m³/min (ft³/min)	27.60 (975)
Refrigerant Cycle		Control Device			Expansion Valve
		Refrigerant Oil		cm³	FW50S (320)
		Refrigerant Type		kg (oz)	R32, 0.89 (31.4)
F-Gas		GWP			675
		CO ₂ eq (ton) (Precharge Amount / Maximum Charged Amount)			0.60 / 0.69

Model			Indoor	CS-Z25YKEA-1	
			Outdoor	CU-Z25YKEA-1	
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) ~ 20 (65.6)	
	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 (Sub Eva) 1 x 4 x 21	
	Size (W x H x L)		mm	644.5 x 357 x 25.4 (Sub Eva) 644.5 x 94.8 x 12.7	
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 (89.6)	23 (73.4)	
		Minimum °C (°F)	16 (60.8)	11 (51.8)	
	Heating	Maximum °C (°F)	30 (86.0)	-	
		Minimum °C (°F)	16 (60.8)	-	
Outdoor Operation Range	Cooling	Maximum °C (°F)	43 (109.4)	26 (78.8)	
		Minimum °C (°F)	-25 (-13.0)	-	
	Heating	Maximum °C (°F)	24 (75.2)	18 (64.4)	
		Minimum °C (°F)	-15 (5.0)	-	

- 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).
- Network Impedance shall be applicable for Europe models only.
- The annual consumption is calculated by multiplying the input power by an average of 500 hours per year in cooling mode.
- 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.
- 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.
- SEER and SCOP classification is at 230V only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season.

Model			Indoor	CS-Z35YKEA-1		
			Outdoor	CU-Z35YKEA-1		
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	-	3.80	-
	Input Power		W	180	850	1.14k
	Annual Consumption		kWh	-	425	-
	EER CLASS			-	A	-
	EER		W/W	4.72	4.12	3.68
			BTU/hW	16.11	14.00	12.54
			kcal/hW	4.06	3.54	3.17
	ErP	Pdesign	kW	3.5		
		SEER	(W/W)	9.6		
		Annual Consumption	kWh	128		
		Class		A+++		
	Power Factor		%	-	97	-
	Indoor Noise (H / L / QLo)		Pressure Level dB (A)	42 / 28 / 21		
			Power Level dB (A)	58 / - / -		
	Outdoor Noise (H / L / QLo)		Pressure Level dB (A)	48 / - / -		
			Power Level dB (A)	63 / - / -		
Heating	Capacity		kW	0.85	4.00	5.80
			BTU/h	2900	13600	19800
			kcal/h	730	3440	4990
	Running Current		A	-	4.00	-
	Input Power		W	180	900	1.50k
	COP CLASS			-	A	-
	COP		W/W	4.72	4.44	3.87
			BTU/hW	16.11	15.11	13.20
			kcal/hW	4.06	3.82	3.33
	ErP	Pdesign	kW	3.2		
		Tbivalent	°C	-10		
		SCOP	(W/W)	4.6		
		Annual Consumption	kWh	974		
		Class		A++		
	Power Factor		%	-	98	-
	Indoor Noise (H / L / QLo)		Pressure Level dB (A)	43 / 30 / 22		
			Power Level dB (A)	59 / - / -		
	Outdoor Noise (H / L / QLo)		Pressure Level dB (A)	50 / - / -		
			Power Level dB (A)	65 / - / -		
LOW Temp: Capacity (kW) / I. Power (W) / COP				4.20 / 1.33k / 3.16		
EXTR LOW Temp: Capacity (kW) / I. Power (W) / COP				3.40 / 1.30k / 2.62		
Max Current (A) / Max Input Power (W)				6.6 / 1.50k		
Starting Current (A)				4.00		

Model				Indoor	CS-Z35YKEA-1
				Outdoor	CU-Z35YKEA-1
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	530
			Heat	rpm	570
		Lo	Cool	rpm	670
			Heat	rpm	750
		Me	Cool	rpm	830
			Heat	rpm	930
		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	820
			Heat	rpm	850
Moisture Removal				L/h (Pt/h)	2.0 (4.2)
Indoor Airflow	QLo	Cool	m³/min (ft³/min)	5.30 (187)	
		Heat	m³/min (ft³/min)	5.93 (209)	
	Lo	Cool	m³/min (ft³/min)	7.50 (265)	
		Heat	m³/min (ft³/min)	8.76 (309)	
	Me	Cool	m³/min (ft³/min)	10.02 (354)	
		Heat	m³/min (ft³/min)	11.60 (410)	
	Hi	Cool	m³/min (ft³/min)	12.70 (450)	
		Heat	m³/min (ft³/min)	14.80 (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)	28.70 (1015)	
		Heat	m³/min (ft³/min)	29.80 (1050)	
Refrigerant Cycle	Control Device				Expansion Valve
	Refrigerant Oil			cm³	FW50S (320)
	Refrigerant Type			kg (oz)	R32, 0.89 (31.4)
F-Gas	GWP				675
	CO ₂ eq (ton) (Precharge Amount / Maximum Charged Amount)				0.60 / 0.69

Model			Indoor	CS-Z35YKEA-1	
			Outdoor	CU-Z35YKEA-1	
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) ~ 20 (65.6)	
	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 (Sub Eva) 1 x 4 x 21	
	Size (W x H x L)		mm	644.5 x 357 x 25.4 (Sub Eva) 644.5 x 94.8 x 12.7	
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 (89.6)	23 (73.4)
			Minimum °C (°F)	16 (60.8)	11 (51.8)
		Heating	Maximum °C (°F)	30 (86.0)	-
			Minimum °C (°F)	16 (60.8)	-
Outdoor Operation Range		Cooling	Maximum °C (°F)	43 (109.4)	26 (78.8)
			Minimum °C (°F)	-25 (-13.0)	-
		Heating	Maximum °C (°F)	24 (75.2)	18 (64.4)
			Minimum °C (°F)	-15 (5.0)	-

- 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).
- Network Impedance shall be applicable for Europe models only.
- The annual consumption is calculated by multiplying the input power by an average of 500 hours per year in cooling mode.
- 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.
- 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.
- SEER and SCOP classification is at 230V only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season.

Model			Indoor		CS-Z42YKEA-1			
			Outdoor		CU-Z42YKEA-1			
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		-	4.90	-	
	Input Power		W		180	1.10k	1.54k	
	Annual Consumption		kWh		-	550	-	
	EER CLASS				-	A	-	
	EER		W/W		4.72	3.82	3.25	
			BTU/hW		16.11	13.00	11.10	
			kcal/hW		4.06	3.28	2.79	
	ErP	Pdesign		kW		4.2		
		SEER		(W/W)		8.6		
		Annual Consumption		kWh		171		
		Class				A+++		
	Power Factor			%		-	98	-
	Indoor Noise (H / L / QLo)			Pressure Level dB (A)		43 / 32 / 29		
				Power Level dB (A)		59 / - / -		
	Outdoor Noise (H / L / QLo)			Pressure Level dB (A)		48 / - / -		
				Power Level dB (A)		63 / - / -		
	Heating	Capacity		kW		0.85	5.30	6.80
BTU/h				2900	18100	23200		
kcal/h				730	4560	5850		
Running Current		A		-	5.90	-		
Input Power		W		180	1.35k	1.86k		
COP CLASS				-	A	-		
COP		W/W		4.72	3.93	3.66		
		BTU/hW		16.11	13.41	12.47		
		kcal/hW		4.06	3.38	3.15		
ErP		Pdesign		kW		3.6		
		Tbivalent		°C		-10		
		SCOP		(W/W)		4.5		
		Annual Consumption		kWh		1120		
		Class				A+		
Power Factor			%		-	99	-	
Indoor Noise (H / L / QLo)			Pressure Level dB (A)		44 / 35 / 29			
			Power Level dB (A)		60 / - / -			
Outdoor Noise (H / L / QLo)			Pressure Level 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 / 1.86k			
Starting Current (A)					5.90			

Model				Indoor		CS-Z42YKEA-1	
				Outdoor		CU-Z42YKEA-1	
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		680	
			Heat	rpm		750	
		Lo	Cool	rpm		750	
			Heat	rpm		870	
		Me	Cool	rpm		890	
			Heat	rpm		1010	
		Hi	Cool	rpm		1030	
			Heat	rpm		1160	
		SHi	Cool	rpm		1090	
			Heat	rpm		1220	
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		880	
Moisture Removal				L/h (Pt/h)		2.4 (5.1)	
Indoor Airflow		QLo	Cool	m³/min (ft³/min)		7.66 (270)	
			Heat	m³/min (ft³/min)		8.76 (309)	
		Lo	Cool	m³/min (ft³/min)		8.76 (309)	
			Heat	m³/min (ft³/min)		10.65 (376)	
		Me	Cool	m³/min (ft³/min)		10.97 (387)	
			Heat	m³/min (ft³/min)		12.86 (454)	
		Hi	Cool	m³/min (ft³/min)		13.20 (465)	
			Heat	m³/min (ft³/min)		15.20 (535)	
Outdoor Airflow	Hi	Cool	m³/min (ft³/min)		28.7 (1015)		
		Heat	m³/min (ft³/min)		31.0 (1095)		
Refrigerant Cycle		Control Device				Expansion Valve	
		Refrigerant Oil		cm³		FW50S (320)	
		Refrigerant Type		kg (oz)		R32, 0.97 (34.2)	
F-Gas		GWP				675	
		CO ₂ eq (ton) (Precharge Amount / Maximum Charged Amount)				0.65 / 0.74	

Model			Indoor	CS-Z42YKEA-1	
			Outdoor	CU-Z42YKEA-1	
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) / 12.70 (1/2)	
	Standard Length		m (ft)	5.0 (16.4)	
	Length Range (min - max)		m (ft)	3 (9.8) ~ 20 (65.6)	
	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 (Sub Eva) 1 x 4 x 21	
	Size (W x H x L)		mm	644.5 x 357 x 25.4 (Sub Eva) 644.5 x 94.8 x 12.7	
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 (89.6)	23 (73.4)
			Minimum °C (°F)	16 (60.8)	11 (51.8)
		Heating	Maximum °C (°F)	30 (86.0)	-
			Minimum °C (°F)	16 (60.8)	-
Outdoor Operation Range		Cooling	Maximum °C (°F)	43 (109.4)	26 (78.8)
			Minimum °C (°F)	-25 (-13.0)	-
		Heating	Maximum °C (°F)	24 (75.2)	18 (64.4)
			Minimum °C (°F)	-15 (5.0)	-

- 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).
- Network Impedance shall be applicable for Europe models only.
- The annual consumption is calculated by multiplying the input power by an average of 500 hours per year in cooling mode.
- 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.
- 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.
- SEER and SCOP classification is at 230V only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season.

Model			Indoor	CS-Z50YKEA-1		
			Outdoor	CU-Z50YKEA-1		
Performance Test Condition				EUROVENT		
Power Supply			Phase, Hz	Single, 50		
			V	230		
				Min.	Mid.	Max.
Cooling	Capacity		kW	0.98	5.00	6.00
			BTU/h	3340	17100	20500
			kcal/h	840	4300	5160
	Running Current		A	-	6.00	-
	Input Power		W	250	1.36k	1.90k
	Annual Consumption		kWh	-	680	-
	EER CLASS			-	A	-
	EER		W/W	3.92	3.68	3.16
			BTU/hW	13.36	12.57	10.79
			kcal/hW	3.36	3.16	2.72
	ErP	Pdesign	kW	5.0		
		SEER	(W/W)	8.6		
		Annual Consumption	kWh	203		
		Class		A+++		
	Power Factor		%	-	99	-
	Indoor Noise (H / L / QLo)		Pressure Level dB (A)	44 / 37 / 30		
			Power Level dB (A)	60 / - / -		
	Outdoor Noise (H / L / QLo)		Pressure Level dB (A)	48 / - / -		
			Power Level dB (A)	63 / - / -		
Heating	Capacity		kW	0.98	5.80	8.00
			BTU/h	3340	19800	27300
			kcal/h	840	4990	6880
	Running Current		A	-	6.30	-
	Input Power		W	230	1.42k	2.39k
	COP CLASS			-	A	-
	COP		W/W	4.26	4.08	3.35
			BTU/hW	14.52	13.94	11.42
			kcal/hW	3.65	3.51	2.88
	ErP	Pdesign	kW	4.2		
		Tbivalent	°C	-10		
		SCOP	(W/W)	4.6		
		Annual Consumption	kWh	1278		
		Class		A++		
	Power Factor		%	-	98	-
	Indoor Noise (H / L / QLo)		Pressure Level dB (A)	44 / 37 / 30		
			Power Level dB (A)	60 / - / -		
	Outdoor Noise (H / L / QLo)		Pressure Level dB (A)	50 / - / -		
			Power Level dB (A)	65 / - / -		
LOW Temp: Capacity (kW) / I. Power (W) / COP				5.80 / 2.12k / 2.74		
EXTR LOW Temp: Capacity (kW) / I. Power (W) / COP				4.80 / 1.88k / 2.55		
Max Current (A) / Max Input Power (W)				10.5 / 2.39k		
Starting Current (A)				6.30		

Model				Indoor	CS-Z50YKEA-1
				Outdoor	CU-Z50YKEA-1
Compressor	Type				Hermetic Motor / Rotary
	Motor Type				Brushless (6-pole)
	Output Power			W	900
Indoor Fan	Type				Cross-flow fan
	Material				ASG30
	Motor Type				DC (8-pole)
	Input Power			W	74.0
	Output Power			W	40
	Speed	QLo	Cool	rpm	670
			Heat	rpm	690
		Lo	Cool	rpm	860
			Heat	rpm	870
		Me	Cool	rpm	960
			Heat	rpm	1010
		Hi	Cool	rpm	1050
			Heat	rpm	1140
		SHi	Cool	rpm	1100
			Heat	rpm	1210
Outdoor Fan	Type				Propeller Fan
	Material				PP
	Motor Type				DC (8-pole)
	Input Power			W	-
	Output Power			W	40
	Speed	Hi	Cool	rpm	720
			Heat	rpm	670
Moisture Removal			L/h (Pt/h)	2.8 (5.9)	
Indoor Airflow	QLo	Cool	m³/min (ft³/min)	10.41 (368)	
		Heat	m³/min (ft³/min)	10.81 (382)	
	Lo	Cool	m³/min (ft³/min)	13.90 (491)	
		Heat	m³/min (ft³/min)	14.13 (499)	
	Me	Cool	m³/min (ft³/min)	15.74 (556)	
		Heat	m³/min (ft³/min)	16.71 (590)	
	Hi	Cool	m³/min (ft³/min)	17.40 (615)	
		Heat	m³/min (ft³/min)	19.10 (675)	
	SHi	Cool	m³/min (ft³/min)	18.31 (647)	
		Heat	m³/min (ft³/min)	20.40 (720)	
Outdoor Airflow	Hi	Cool	m³/min (ft³/min)	39.80 (1405)	
		Heat	m³/min (ft³/min)	36.90 (1305)	
Refrigerant Cycle	Control Device			Expansion Valve	
	Refrigerant Oil			cm³ FW50S (450)	
	Refrigerant Type			kg (oz) R32, 1.13 (39.9)	
F-Gas	GWP 675				
	CO ₂ eq (ton) (Precharge Amount / Maximum Charged Amount) 0.76 / 0.99				

Model			Indoor	CS-Z50YKEA-1	
			Outdoor	CU-Z50YKEA-1	
Dimension	Unit	Height (ID / OD)	mm (inch)	295 (11-5/8) / 695 (27-3/8)	
		Width (ID / OD)	mm (inch)	1040 (40-31/32) / 875 (34-15/32)	
		Depth (ID / OD)	mm (inch)	244 (9-5/8) / 320 (12-5/8)	
Weight	Net (I/D / O/D)		kg (lb)	12 (26) / 40 (88)	
Piping	Pipe Diameter (Liquid / Gas)		mm (inch)	6.35 (1/4) / 12.7 (1/2)	
	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)	15.0 (49.2)	
	Additional Gas Amount		g/m (oz/ft)	15 (0.2)	
	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	814.5 x 357 x 25.4	
Outdoor Heat Exchanger	Fin Material			Aluminium (Pre coat)	
	Fin Type			Corrugated Fin	
	Row x Stage x FPI			2 x 31 x 19	
	Size (W x H x L)		mm	36.4 x 651 x 854.5:824.5	
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 (89.6)	23 (73.4)	
		Minimum °C (°F)	16 (60.8)	11 (51.8)	
	Heating	Maximum °C (°F)	30 (86.0)	-	
		Minimum °C (°F)	16 (60.8)	-	
Outdoor Operation Range	Cooling	Maximum °C (°F)	43 (109.4)	26 (78.8)	
		Minimum °C (°F)	-25 (-13.0)	-	
	Heating	Maximum °C (°F)	24 (75.2)	18 (64.4)	
		Minimum °C (°F)	-15 (5.0)	-	

- 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).
- Network Impedance shall be applicable for Europe models only.
- The annual consumption is calculated by multiplying the input power by an average of 500 hours per year in cooling mode.
- 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.
- 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.
- SEER and SCOP classification is at 230V only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season.

Model			Indoor	CS-Z71YKEA-1		
			Outdoor	CU-Z71YKEA-1		
Performance Test Condition				EUROVENT		
Power Supply			Phase, Hz	Single, 50		
			V	230		
				Min.	Mid.	Max.
Cooling	Capacity		kW	0.98	7.10	8.50
			BTU/h	3340	24200	29000
			kcal/h	840	6110	7310
	Running Current		A	-	9.80	-
	Input Power		W	420	2.20k	3.00k
	Annual Consumption		kWh	-	1100	-
	EER CLASS			-	A	-
	EER		W/W	2.33	3.23	2.83
			BTU/hW	7.95	11.00	9.67
			kcal/hW	2.00	2.78	2.44
	ErP	Pdesign	kW	7.1		
		SEER	(W/W)	6.5		
		Annual Consumption	kWh	382		
		Class		A++		
	Power Factor		%	-	98	-
	Indoor Noise (H / L / QLo)		Pressure Level dB (A)	47 / 38 / 35		
			Power Level dB (A)	63 / - / -		
	Outdoor Noise (H / L / QLo)		Pressure Level dB (A)	52 / - / -		
			Power Level dB (A)	66 / - / -		
Heating	Capacity		kW	0.98	8.20	10.20
			BTU/h	3340	28000	34800
			kcal/h	840	7050	8770
	Running Current		A	-	9.80	-
	Input Power		W	400	2.21k	3.10k
	COP CLASS			-	A	-
	COP		W/W	2.45	3.71	3.29
			BTU/hW	8.35	12.67	11.23
			kcal/hW	2.10	3.19	2.83
	ErP	Pdesign	kW	5.5		
		Tbivalent	°C	-10		
		SCOP	(W/W)	4.1		
		Annual Consumption	kWh	1878		
		Class		A+		
	Power Factor		%	-	98	-
	Indoor Noise (H / L / QLo)		Pressure Level dB (A)	47 / 38 / 35		
			Power Level dB (A)	63 / - / -		
	Outdoor Noise (H / L / QLo)		Pressure Level dB (A)	54 / - / -		
			Power Level dB (A)	68 / - / -		
LOW Temp: Capacity (kW) / I. Power (W) / COP				7.39 / 2.74k / 2.70		
EXTR LOW Temp: Capacity (kW) / I. Power (W) / COP				6.31 / 2.60k / 2.43		
Max Current (A) / Max Input Power (W)				14.7 / 3.28k		
Starting Current (A)				9.80		

Model				Indoor	CS-Z71YKEA-1
				Outdoor	CU-Z71YKEA-1
Compressor	Type				Hermetic Motor / Rotary
	Motor Type				Brushless (6-pole)
	Output Power			W	1.50k
Indoor Fan	Type				Cross-flow fan
	Material				ASG30
	Motor Type				DC (8-pole)
	Input Power			W	80.2
	Output Power			W	40
	Speed	QLo	Cool	rpm	830
			Heat	rpm	840
		Lo	Cool	rpm	930
			Heat	rpm	920
		Me	Cool	rpm	1070
			Heat	rpm	1080
		Hi	Cool	rpm	1200
			Heat	rpm	1250
		SHi	Cool	rpm	1250
			Heat	rpm	1330
Outdoor Fan	Type				Propeller Fan
	Material				PP
	Motor Type				DC (8-pole)
	Input Power			W	-
	Output Power			W	40
	Speed	Hi	Cool	rpm	820
			Heat	rpm	840
Moisture Removal			L/h (Pt/h)	4.1 (8.7)	
Indoor Airflow	QLo	Cool	m³/min (ft³/min)	12.35 (436)	
		Heat	m³/min (ft³/min)	12.53 (442)	
	Lo	Cool	m³/min (ft³/min)	14.15 (500)	
		Heat	m³/min (ft³/min)	13.97 (493)	
	Me	Cool	m³/min (ft³/min)	16.66 (588)	
		Heat	m³/min (ft³/min)	16.84 (595)	
	Hi	Cool	m³/min (ft³/min)	19.00 (670)	
		Heat	m³/min (ft³/min)	19.90 (700)	
	SHi	Cool	m³/min (ft³/min)	19.90 (703)	
		Heat	m³/min (ft³/min)	21.34 (754)	
Outdoor Airflow	Hi	Cool	m³/min (ft³/min)	44.7 (1580)	
		Heat	m³/min (ft³/min)	45.8 (1615)	
Refrigerant Cycle	Control Device			Expansion Valve	
	Refrigerant Oil			cm³ FW50S (600)	
	Refrigerant Type			kg (oz) R32, 1.35 (47.7)	
F-Gas	GWP 675				
	CO ₂ eq (ton) (Precharge Amount / Maximum Charged Amount) 0.91 / 1.25				

Model			Indoor	CS-Z71YKEA-1	
			Outdoor	CU-Z71YKEA-1	
Dimension	Unit	Height (ID / OD)	mm (inch)	295 (11-5/8) / 695 (27-3/8)	
		Width (ID / OD)	mm (inch)	1040 (40-31/32) / 875 (34-15/32)	
		Depth (ID / OD)	mm (inch)	244 (9-5/8) / 320 (12-5/8)	
Weight	Net (I/D / O/D)		kg (lb)	13 (29) / 45 (99)	
Piping	Pipe Diameter (Liquid / Gas)		mm (inch)	6.35 (1/4) / 15.88 (5/8)	
	Standard Length		m (ft)	5.0 (16.4)	
	Length Range (min - max)		m (ft)	3 (9.8) ~ 30 (98.4)	
	I/D & O/D Height Different		m (ft)	20.0 (65.6)	
	Additional Gas Amount		g/m (oz/ft)	25 (0.3)	
	Length for Additional Gas		m (ft)	10 (32.8)	
Drain Hose	Inner Diameter		mm	16.7	
	Length		mm	650	
Indoor Heat Exchanger	Fin Material			Aluminium (Pre coat)	
	Fin Type			Slit Fin	
	Row x Stage x FPI			2 x 17 x 21	
	Size (W x H x L)		mm	814.5 x 357 x 25.4	
Outdoor Heat Exchanger	Fin Material			Aluminium (Pre coat)	
	Fin Type			Corrugated Fin	
	Row x Stage x FPI			2 x 31 x 19	
	Size (W x H x L)		mm	36.4 x 651 x 904.5:874.5	
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 (89.6)	23 (73.4)	
		Minimum °C (°F)	16 (60.8)	11 (51.8)	
	Heating	Maximum °C (°F)	30 (86.0)	-	
		Minimum °C (°F)	16 (60.8)	-	
Outdoor Operation Range	Cooling	Maximum °C (°F)	43 (109.4)	26 (78.8)	
		Minimum °C (°F)	-25 (-13.0)	-	
	Heating	Maximum °C (°F)	24 (75.2)	18 (64.4)	
		Minimum °C (°F)	-15 (5.0)	-	

- 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).
- Network Impedance shall be applicable for Europe models only.
- The annual consumption is calculated by multiplying the input power by an average of 500 hours per year in cooling mode.
- 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.
- 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.
- SEER and SCOP classification is at 230V only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season.