

3. Specifications

Model		Indoor	CS-Z25UB4RAW					
		Outdoor	CU-Z25UBRA					
Performance Test Condition			AS					
Power Supply		Phase, Hz	Single, 50					
		V	230			240		
			Min.	Mid.	Max.	Min.	Mid.	Max.
Cooling	Capacity	kW	0.85	2.50	3.20	0.85	2.50	3.20
		BTU/h	2900	8530	10900	2900	8530	10900
		kcal/h	730	2150	2750	730	2150	2750
	Running Current	A	–	2.60	–	–	2.50	–
	Input Power	W	240	550	820	240	550	820
	EER / EER CLASS	W/W	3.54	4.55 / 4.0	3.90	3.54	4.55 / 4.0	3.90
	EER	BTU/hW	12.08	15.51	13.29	12.08	15.51	13.29
		kcal/hW	3.04	3.91	3.35	3.04	3.91	3.35
	Power Factor	%	–	92	–	–	92	–
	Indoor Noise (H / L / QLo)	dB-A	34 / 25 / 22					
		Power Level dB	50 / 41 / 38					
	Outdoor Noise (H / L / QLo)	dB-A	46 / – / –					
Power Level dB		61 / – / –						
Heating	Capacity	kW	0.85	3.20	4.80	0.85	3.20	4.80
		BTU/h	2900	10900	16400	2900	10900	16400
		Kcal/h	730	2750	4130	730	2750	4130
	Running Current	A	–	3.50	–	–	3.40	–
	Input Power	W	230	770	1.32k	230	770	1.32k
	COP / COP CLASS	W/W	3.70	4.16 / 3.5	3.64	3.70	4.16 / 3.5	3.64
	COP	BTU/hW	12.61	14.16	12.42	12.61	14.16	12.42
		kcal/hW	3.17	3.57	3.13	3.17	3.57	3.13
	Power Factor	%	–	96	–	–	94	–
	Indoor Noise (H / L / QLo)	dB-A	35 / 28 / 25					
		Power Level dB	51 / 44 / 41					
	Outdoor Noise (H / L / QLo)	dB-A	47 / – / –					
Power Level dB		62 / – / –						
H2	Capacity	kW	3.20					
	Input Power	kW	1.08					
	COP	W/W	2.96					
Powerful Heat	Capacity	kW	4.80					
	Input Power	kW	1.32					
	COP	W/W	3.64					
Max Current (A) / Max Input Power (W)			6.2 / 1.32k					
Starting Current (A)			3.50					
Compressor	Type	Hermetic Motor (Rotary)						
	Motor Type	Brushless (6 poles)						
	Output Power	W	700					

Model			Indoor	CS-Z25UB4RAW		
			Outdoor	CU-Z25UBRA		
Indoor Fan	Type			BACKWARD FAN		
	Material			ABS		
	Motor Type			DC / Transistor (8-poles)		
	Input Power		W	-		
	Output Power		W	40		
	Speed	QLo	Cool	rpm	310	
			Heat	rpm	410	
		Lo	Cool	rpm	350	
			Heat	rpm	440	
		Me	Cool	rpm	450	
			Heat	rpm	510	
		Hi	Cool	rpm	560	
			Heat	rpm	580	
SHi	Cool	rpm	600			
	Heat	rpm	630			
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	780		
Moisture Removal			L/h (Pt/h)	1.5 (3.2)		
Indoor Airflow	QLo	Cool	m ³ /min (ft ³ /min.)	6.3 (223)		
		Heat	m ³ /min (ft ³ /min.)	8.0 (253)		
	Lo	Cool	m ³ /min (ft ³ /min.)	7.0 (247)		
		Heat	m ³ /min (ft ³ /min.)	8.5 (300)		
	Me	Cool	m ³ /min (ft ³ /min.)	8.7 (307)		
		Heat	m ³ /min (ft ³ /min.)	9.7 (343)		
	Hi	Cool	m ³ /min (ft ³ /min.) (L/S)	10.5 (370) (175)		
		Heat	m ³ /min (ft ³ /min.) (L/S)	10.8 (380) (180)		
SHi	Cool	m ³ /min (ft ³ /min.)	11.2 (396)			
	Heat	m ³ /min (ft ³ /min.)	11.7 (413)			
Outdoor Airflow	Hi	Cool	m ³ /min (ft ³ /min.)	28.7 (1015)		
		Heat	m ³ /min (ft ³ /min.)	27.2 (960)		
Refrigeration Cycle	Control Device			Expansion Valve		
	Refrigerant Oil		cm ³	FW50S (320)		
	Refrigerant Type		g (oz)	R32, 920 (32.5)		
Dimension	Unit	Height (I/D / O/D / PANEL)	mm (inch)	260 (10-1/4) / 542 (21-11/32) / 51 (2-1/32)		
		Width (I/D / O/D / PANEL)	mm (inch)	575 (22-21/32) / 780 (30-23/32) / 700 (27-9/16)		
		Depth (I/D / O/D / PANEL)	mm (inch)	575 (22-21/32) / 289 (11-13/32) / 700 (27-9/16)		
	Pckg. (Stacking Condition)	Height (I/D / O/D / PANEL)	mm (inch)	339 (13-3/8) / 603 (23-3/4) / 94 (3-23/32)		
		Width (I/D / O/D / PANEL)	mm (inch)	690 (27-3/16) / 891 (35-3/32) / 744 (29-5/16)		
		Depth (I/D / O/D / PANEL)	mm (inch)	690 (27-3/16) / 396 (15-19/32) / 734 (28-29/32)		
Weight	Net (I/D / O/D / PANEL)		kg (lb)	18 (40) / 33 (73) / 2.5 (6)		
	Gross (I/D / O/D / PANEL)		kg (lb)	22 (49) / 35 (77) / 4.0 (9)		

Model		Indoor	CS-Z25UB4RAW	
		Outdoor	CU-Z25UBRA	
Stacking No. (CS / CU / CZ)			Actual Stacking Quantity (12 / 6 / 20)	
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	30	
	Length	mm	193	
Indoor Heat Exchanger	Fin Material		Aluminium (Pre Coat)	
	Fin Type		Slit Fin	
	Row × Stage × FPI		2 × 10 × 18	
	Size (W × H × L)	mm	1330:1270 × 210 × 25.4	
Outdoor Heat Exchanger	Fin Material		Aluminium (Blue Coat)	
	Fin Type		Corrugated Fin	
	Row × Stage × FPI		2 × 24 × 19	
	Size (W × H × L)	mm	36.4 × 504 × 824.2:793.7	
Air Filter	Material		-	
	Type		-	
Power Supply			Outdoor	
Power Supply Cord		A	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)	46 (114.8)	26 (78.8)
		Minimum °C (°F)	-10 (14.0)	-
	Heating	Maximum °C (°F)	24 (75.2)	18 (64.4)
		Minimum °C (°F)	-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).
- Specifications are subjected to change without prior notice for further improvement.