

Indoor			Model	CS-DZ50VKE		
Outdoor			Model	CU-DZ50VKE		
Performance Test Condition				EUROVENT		
Power Supply			Phase, Hz	Single, 50		
			V	230		
				Min.	Mid.	Max.
Cooling	Capacity		kW	0.98	5.00	5.40
			BTU/h	3340	17100	18400
			kcal/h	840	4300	4640
	Running Current		A	–	7.60	–
	Input Power		W	285	1.68k	1.89k
	Annual Consumption			–	840	–
	EER CLASS			–	C	–
	EER		W/W	3.44	2.98	2.86
			BTU/hW	11.72	10.18	9.74
			kcal/hW	2.95	2.56	2.46
	ErP	Pdesign	kW	5.0		
		SEER	(W/W)	6.0		
		Annual Consumption	kWh	292		
		Class		A+		
	Power Factor		%	–	96	–
	Indoor Noise (H / L / QLo)		dB-A	44 / 37 / 34		
			Power Level dB	60 / – / –		
	Outdoor Noise (H / L / QLo)		dB-A	48 / – / –		
			Power Level dB	63 / – / –		
	Heating	Capacity		kW	0.98	5.40
BTU/h				3340	18400	25600
kcal/h				840	4640	6450
Running Current		A	–	7.10	–	
Input Power		W	350	1.57k	2.44k	
COP CLASS			–	B	–	
COP		W/W	2.80	3.44	3.07	
		BTU/hW	9.54	11.72	10.49	
		kcal/hW	2.40	2.96	2.64	
ErP		Pdesign	kW	4.0		
		Tbivalent	°C	-10		
		SCOP	(W/W)	4.1		
		Annual Consumption	kWh	1366		
		Class		A+		
Power Factor		%	–	96	–	
Indoor Noise (H / L / QLo)		dB-A	44 / 37 / 34			
		Power Level dB	60 / – / –			
Outdoor Noise (H / L / QLo)		dB-A	49 / – / –			
		Power Level dB	64 / – / –			
Low Temp. : Capacity (kW) / I.Power (W) / COP				5.43 / 2.16k / 2.51		
Extr Low Temp. : Capacity (kW) / I.Power (W) / COP				4.58 / 2.09k / 2.19		
Max Current (A) / Max Input Power (W)				10.7 / 2.44k		
Starting Current (A)				7.60		

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Outdoor				Model	CU-DZ50VKE
Compressor	Type				Hermetic Motor / Rotary
	Motor Type				Brushless (4-poles)
	Output Power			W	900
Indoor Fan	Type				Cross-flow Fan
	Material				ASG20K1
	Motor Type				DC (8-poles)
	Input Power			W	47.3
	Output Power			W	40
	Speed	QLo	Cool	rpm	900
			Heat	rpm	960
		Lo	Cool	rpm	960
			Heat	rpm	1030
		Me	Cool	rpm	1090
			Heat	rpm	1170
		Hi	Cool	rpm	1230
			Heat	rpm	1320
		SHi	Cool	rpm	1300
			Heat	rpm	1370
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	820
Moisture Removal			L/h (Pt/h)	2.8 (5.9)	
Indoor Airflow	QLo	Cool	m³/min (ft³/min)	8.33 (294)	
		Heat	m³/min (ft³/min)	8.93 (315)	
	Lo	Cool	m³/min (ft³/min)	8.93 (315)	
		Heat	m³/min (ft³/min)	9.63 (340)	
	Me	Cool	m³/min (ft³/min)	10.23 (361)	
		Heat	m³/min (ft³/min)	11.03 (389)	
	Hi	Cool	m³/min (ft³/min)	11.60 (410)	
		Heat	m³/min (ft³/min)	12.50 (440)	
	SHi	Cool	m³/min (ft³/min)	12.33 (435)	
		Heat	m³/min (ft³/min)	13.03 (460)	
Outdoor Airflow	Hi	Cool	m³/min (ft³/min)	32.7 (1155)	
		Heat	m³/min (ft³/min)	32.7 (1155)	
Refrigerant Cycle	Control Device				Expansion Valve
	Refrigerant Oil			cm³	FW50S (450)
	Refrigerant Type			g (oz)	R32, 1.14k (40.2)
F-Gas	GWP				675
	CO2eq (ton) (Precharged Amount / Maximum Amount)				0.770 / 0.845

Indoor			Model	CS-DZ50VKE	
Outdoor			Model	CU-DZ50VKE	
Dimension	Unit	Height (I/D / O/D)	mm (inch)	290 (11-7/16) / 619 (24-3/8)	
		Width (I/D / O/D)	mm (inch)	870 (34-9/32) / 824 (32-15/32)	
		Depth (I/D / O/D)	mm (inch)	214 (8-7/16) / 299 (11-25/32)	
Weight	Net (I/D / O/D)		kg (lb)	9 (20) / 36 (79)	
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)	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 × Stage × FPI			2 × 15 × 21	
	Size (W × H × L)		mm	610 × 315 × 25.4	
Outdoor Heat Exchanger	Fin Material			Aluminium (Pre Coat)	
	Fin Type			Corrugated Fin	
	Row × Stage × FPI			2 × 28 × 17	
	Size (W × H × L)		mm	36.38 × 588 × 856.3:827.7	
Air Filter	Material			Polypropelene	
	Type			One-touch	
Power Supply				Indoor	
Power Supply Cord				Nil	
Thermostat				Electronic Contol	
Protection Device				Electronic Contol	
				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)	5 (41.0)	–	
	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)
- Heating low temperature capacity, Input Power and COP measured at 230 V, indoor temperature of 20°C, outdoor 2/1°C.
- Heating extreme low temperature capacity, Input Power and COP measured at 230 V, indoor temperature of 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.
- If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C DB and -8°C WB temperature with rated voltage 230V shall be used.
- The annual consumption is calculated by multiplying the input power by an average of 500 hours per year in cooling mode.
- 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.