

Cooling Only 20+SEER AHRI & UL

Code		22022010015477	22022010015644	22022010015663	
Model		ZMSB-12CVD-US	ZMSB-18CVD-US	ZMSB-24CVD-US	
SEER		21	21	20	
Power supply		V-Ph-Hz	208-230V,1Ph,50Hz/ 60Hz	208-230V,1Ph,50Hz/ 60Hz	208-230V,1Ph,50Hz/ 60Hz
Cooling (Standard conditions)	Capacity	Btu/h	11500	17500	22000
	Input	W	960	1570	2150
	Current	A	4.2	6.8	9.3
	EER	W/W	3.51	3.30	3.00
Heating (Standard conditions)	Capacity	Btu/h	/	/	/
	Input	W	/	/	/
	Current	A	/	/	/
	COP	W/W	/	/	/
Rated Power Input		W	2100	2950	2850
Rated Current		A	9.5	13.5	13.5
Starting current		A	8	/	0
Compressor	Model		KSK103D33UEZ3	KSN140D58UFZ	KSN140D58UFZ
	Type		ROTARY	ROTARY	ROTARY
	Brand		GMCC	GMCC	GMCC
	Capacity	W	2035/3255	4315	4315
	Input	W	325/826	1090	1090
	Rated current(RLA)	A	2.40/5.65	7.15	7.15
	Locked rotor Amp(LRA)	A	/	/	/
	Thermal protector		/	/	/
	Thermal protector position		NA	NA	NA
	Capacitor	μF	/	/	/
Refrigerant oil/oil charge	ml	ESTER OIL VG74 310	ESTER OIL VG74 440	ESTER OIL VG74 440	
Indoor fan motor	Model		ZKFP-13-8-4	ZKFP-30-8-3-10	ZKFP-58-8-1-5
	Input	W	/	36.0	58.0
	Capacitor	uF	/	/	/
	Speed(Hi/Mi/Lo)	r/min	1200/1040/960	1200/650	1100/650
Indoor coil	a.Number of rows		2	2	2
	b.Tube pitch(a)x row pitch(b)	mm	21x13.37	21x13.37	21x13.37
	c.Fin spacing	mm	1.3	1.2	1.3
	d.Fin type (code)		Golden fin	Golden fin	Golden fin
	e.Tube outside dia.and type	mm	Φ7,Inner groove tube	Φ7,Inner groove tube	Φ7,Inner groove tube
	f.Coil length x height x width	mm	605x210x26.74+605x105x26.74	750x210x26.74+750x126x26.74	820x210x26.74+820x126x26.74
	g.Number of circuits		2	4	4
Indoor air flow (Hi/Mi/Lo)	m3/h	550/395/330	800/600/520	1000/800/680	
Indoor noise level (Hi/Mi/Lo)	dB(A)	40/35.5/30.5	46/38.5/31.5	47.5/39.5/36	
Indoor unit	Dimension(W*D*H)	mm	802x200x295	971x228x321	1082x234x337
	Packing (W*D*H)	mm	875x285x380	1045x305x405	1155x415x315
	Net/Gross weight	kg	8.6/11	11.2/14.4	13.6/17.1
Outdoor fan motor	Model		ZKFN-34-8-1	ZKFN-34-10-1-3	ZKFN-34-10-1-3
	Input	W	/	/	/
	Capacitor	uF	/	/	/
	Speed	r/min	850/600	810/700/600	810/700/550
Outdoor coil	a.Number of rows		1	2.0	2
	b.Tube pitch(a)x row pitch(b)	mm	14.5x12.56	19.5x11.6	19.5x11.6
	c.Fin spacing	mm	1.2	1.2	1.2
	d.Fin type (code)		Golden fin	Golden fin	Golden fin
	e.Tube outside dia.and type	mm	Φ5,Inner groove tube	Φ5,Inner groove tube	Φ5,Inner groove tube
	f.Coil length x height x width	mm	750x464x12.56	760x507x11.6+742x507x11.6	875x507x23.2
	g.Number of circuits		2	2	4
Outdoor air flow	m3/h	1800	2100	2300	
Outdoor noise level	dB(A)	54.5	55.5	56.5	
Outdoor unit	Dimension(W*D*H)	mm	720x270x495	765x303x555	805x330x554
	Packing (W*D*H)	mm	835x300x540	887x337x610	915x370x615
	Net/Gross weight	kg	22/23.8	27.9/30.3	30.5/33.1
Refrigerant type		R410A/0.66	R410A/0.9	R410A/37.74	
Design pressure	MPa	4.2/1.5	///	///	
Refrigerant piping	Liquid side/ Gas side	mm(inch)	6.35mm(1/4in)/12.7mm(1/2in)	6.35mm(1/4in)/12.7mm(1/2in)	9.52mm(3/8in)/15.9mm(5/8in)
	Max. refrigerant pipe length	m	25	30	30
	Max. difference in level	m	10	20	20
Connection wiring		16#x4//	16#x4//	16#x4//	
Plug type		//no-plug	//no-plug	//no-plug	
Thermostat type		遙控式(Remote Control)	遙控式(Remote Control)	遙控式(Remote Control)	
Operation temperature		17~30	17~30	17~30	
Room temperature	Indoor(cooling/ heating)	°C	16~32//	16~32//	16~32//
	Outdoor(cooling/heating)	°C	0~50//	0~50//	0~50//
Application area (Cooling Standard)	m ²	15~22	23~34	29~43	
Qty/per 20' /40' /40'HQ		130/276/302	88/186/220	78/168/194	