

Indoor		Ph-V-Hz	220-240V,1Ph,50Hz	220-240V,1Ph,50Hz	220-240V,1Ph,50Hz	220-240V,1Ph,50Hz			
Indoor EAN		5 999 098 3 019 68		5 999 098 3 019 75		5 999 098 3 019 82		5 999 098 3 019 99	
Outdoor		Ph-V-Hz	220-240V,1Ph,50Hz	220-240V,1Ph,50Hz	220-240V,1Ph,50Hz	220-240V,1Ph,50Hz			
Outdoor EAN		5 999 098 3 020 02		5 999 098 3 020 19		5 999 098 3 020 26		5 999 098 3 020 33	
Power supply		Ph-V-Hz	220-240V,1Ph,50Hz	220-240V,1Ph,50Hz	220-240V,1Ph,50Hz	220-240V,1Ph,50Hz			
Rated Cooling	Capacity	Btu/h	9300 (4500-13000)	12000 (4500-13500)	18000(6800-20900)	24000(7200-28000)			
Cooling Power input		W	600 (130-1200)	880 (130-1250)	1318 (160-1787)	1760(420-3200)			
Cooling Current		A	2.66 (0.6-5.35)	3.9 (0.6-5.55)	5.73 (0.72-7.90)	7.7(1.8-13.9)			
EER		W/W	4.54	4.0	4.0	4.0			
Rated Heating	Capacity	Btu/h	10700 (3000-15000)	13500 (3000-15500)	19000(4600-23100)	25000(5300-28000)			
Heating Power input		W	690 (120-1400)	990 (120-1450)	1500 (230-1695)	1975(300-3100)			
Heating Current		A	3.05 (0.6-6.2)	4.4 (0.6-6.4)	6.52 (1.1-7.50)	8.6(1.3-13.5)			
COP			4.54	4.0	3.71	3.71			
Seasonal Cooling	Pdesignc	kW	2.6	3.5	5.3	7			
	SEER	W/W	8.6	8.5	8.5	8.5			
Heating(Average)	Energy Efficiency Class		A+++	A+++	A+++	A+++			
	Pdesignh	kW	2.4	2.4	4.3	5.0			
	SCOP	W/W	4.6	4.6	4.6	4.2			
	Energy Efficiency Class		A++	A++	A++	A+			
Heating(Warmer)	Tbiv	°C	-7	-7	-7	-7			
	Pdesignh	kW	2	2.5	4.3	5.5			
	SCOP	W/W	5.1	5.1	5.4	5.3			
	Energy Efficiency Class		A+++	A+++	A+++	A+++			
	Tbiv	°C	2	2	2	2			
	Tol	°C	-15	-15	-15	-15			
Moisture Removal		L/h	/	/	/	/			
Max. input consumption		W	2300	2300	2800	3700			
Max. current		A	10.5	10.5	13.0	19			
Starting current		A	0	0	0	0			
Compressor	Model		KSN98D22UFZ	KSN98D22UFZ	KSN140D58UFZ	KTM240D43UKT			
	Type		ROTARY	ROTARY	ROTARY	ROTARY			
	Brand		GMCC	GMCC	GMCC	GMCC			
	Capacity	W	3095	3095	4315	7600			
	Input	W	790	790	1090	2045			
	Rated current(RLA)	A	5.3	5.3	7.15	9.30			
	Locked rotor Amp(LRA)	A	/	/	/	/			
	Thermal protector		/	/	/	/			
	Thermal protector position		NA	NA	NA	NA			
	Capacitor	µF	/	/	/	/			
Refrigerant oil/oil charge	ml	RB74A F/370	RB74A F/370	VG74/440	VG74/620				
Indoor fan motor	Model		ZKFP-20-8-6-7	ZKFP-20-8-6-7	ZKFP-30-8-3	ZKFP-58-8-1-5			
	Old Model								
	Input	W	50.0	50.0	36.0	58.0			
	Capacitor	uF	/	/	/	/			
Speed(Hi/Mi/Lo)	r/min	960/830/630	1000/850/700	1050/882/714	1000/850/700				
Indoor coil	a.Number of rows		2	2	2	3			
	b.Tube pitch(a)x row pitch(b)	mm	21x13.37	21x13.37	21x13.37	21x13.37			
	c.Fin spacing	mm	1.3	1.3	1.3	1.3			
	d.Fin type (code)		Hydrophilic aluminum	Hydrophilic aluminum	Hydrophilic aluminum	Hydrophilic aluminum			
	e.Tube outside dia.and type	mm	Φ7,Inner groove tube	Φ7,Inner groove tube	Φ7,Inner groove tube	Φ7,Inner groove tube			
	f.Coil length x height x width	mm	635x84x26.74	635x84x26.74	760x84x26.74	885x126x40.11			
	g.Number of circuits		3	3	4	7			
	Indoor air flow (Hi/Mi/Lo)	m3/h	530/360/280	560/380/290	685/580/400	1092/724/379			
Indoor noise level (Hi/Mi/Lo/Si)	dB(A)	37/32/21.5/20.5	40/33/22/21	41/35/23/22	44.5/40/33/21				
Indoor sound power level	dB(A)	58	59	59	65				
Indoor unit	Dimension(W*D*H)	mm	795x225x295	795x225x295	965x239x319	1140x370x275			
	Packing (W*D*H)	mm	920x370x305	870x370x305	1045x400x325	1230x455x355			
	Net/Gross weight	Kg	10.2/14.7	10.2/13	12.3/16.4	20/25.3			
Outdoor fan motor	Model		ZKFN-34-10-1	ZKFN-34-10-1	ZKFN-80-8-3	ZKFN-80-8-3			
	Input	W	/	/	/	/			
	Capacitor	uF	/	/	/	/			
	Speed	r/min	760/350	760/350	700/530	830/700/550			
Outdoor coil	a.Number of rows		1.0	1.0	1.6	2			
	b.Tube pitch(a)x row pitch(b)	mm	21x22	21x22	21x13.37	21x13.37			
	c.Fin spacing	mm	1.3	1.3	1.3	1.3			
	d.Fin type (code)		Hydrophilic aluminum	Hydrophilic aluminum	Hydrophilic aluminum	Hydrophilic aluminum			
	e.Tube outside dia.and type	mm	Φ7,Inner groove tube	Φ7,Inner groove tube	Φ7,Inner groove tube	Φ7,Inner groove tube			
	f.Coil length x height x width	mm	870x504x44	870x504x44	900*44*609	900*44*609			
	g.Number of circuits		2	2	5	6			
	Outdoor air flow	m3/h	2200	2200	3500	3500			
Outdoor sound pressure level	dB(A)	57	57.5	56	58.5				
Outdoor sound power level	dB(A)	64	65	65	68				
Outdoor unit	Dimension(W*D*H)	mm	805x330x554	805x330x554	890x342x673	890x342x673			
	Packing (W*D*H)	mm	915x370x615	915x370x615	995x398x740	995x398x740			
	Net/Gross weight	Kg	28.4/31	28.4/31	38.8/41.9	45.6/48.8			
Refrigerant	Type		R32	R32	R32	R32			
	GWP		675	675	675	675			
	Charged quantity	Kg	0.69	0.69	1.1	1.5			
Design pressure	MPa	4.3/1.7	4.3/1.7	4.3/1.7	4.3/1.7				
Refrigerant piping	Liquid side/ Gas side	mm(inch)	6.35mm(1/4in)/9.52mm(3/8in)	6.35mm(1/4in)/9.52mm(3/8in)	6.35mm(1/4in)/12.7mm(1/2in)	9.52mm(3/8in)/15.9mm(5/8in)			
	Max. refrigerant pipe length	m	25	25	30	50			
	Max. difference in level	m	10	10	20	25			
Connection wiring			1.5x5//	1.5x5//	1.5x5//	2.5x5//			
Plug type			//no-plug	//no-plug	//no-plug	//no-plug			
Thermostat type			Remote Control	Remote Control	Remote Control	Remote Control			
Room temperature	Indoor(cooling/ heating)	°C	16 ~ 32/0 ~ 30	16 ~ 32/0 ~ 30	16 ~ 32/0 ~ 30	16 ~ 32/0 ~ 30			
	Outdoor(cooling/heating)	°C	-15 ~ 50/-25 ~ 24	-15 ~ 50/-25 ~ 24	-15 ~ 50/-20 ~ 24	-15 ~ 50/-20 ~ 24			
Application area (Cooling Standard)	m2	12.0 ~ 18.0	16.0 ~ 23.0	24.0 ~ 35.0	32 ~ 47				
Qty per 20' /40' /40'HQ		94/190/220	94/190/220	65/137/156	56/120/134				