

Indoor			D1609HMSIF115V	D1612HMSIF	D1618HMSIF	D1624HMSOF	
Outdoor			D1609HMSOF115V	D1612HMSOF	D1618HMSOF	D1624HMSIF	
Power supply			Ph-V-Hz	115V,1Ph,60Hz	208-230V,1Ph,60Hz	208-230V,1Ph,60Hz	208-230V,1Ph,60Hz
Cooling (Standard conditions)	Capacity (range)	Btu/h	9000(/-)	12000(/-)	17000(6900-19600)	24000(6400-24300)	
	Input	W	890	1365	1720	2695	
	Current	A	7.5	5.92	7.6	12.3	
	EER	Btu/w	10.1	8.8	9.9	8.9	
	SEER	Btu/w	16.5	16.8	16.8	16.5	
Heating (Standard conditions)	Capacity (range)	Btu/h	9800(0-11000)	12000(0-12000)	18000(4480-18800)	24000(6700-27500)	
	Input	W	1025	1212	1700	2475	
	Current	A	8.9	5.27	7.5	11.3	
	COP	W/W	2.80	2.90	3.10	2.84	
	HSPF4	Btu/w	9.8	9.4	9.7	9.5	
HSPF5	Btu/w	7.8	8	8	8		
Cooling at 5 F (-15°C)	Rated capacity	Btu/h	9000	12000	17300	/	
Heating at 17F (-8.33°C)	Rated capacity	Btu/h	8000	8500	11000	/	
Heating at 5F (-15°C)	Rated capacity	Btu/h	5300	6100	8800	14500	
	COP	W/W	1.75	1.7	1.80	1.8	
Heating at -4F (-20°C)	Rated capacity	Btu/h	0	0	7200	/	
Heating at -13F (-25°C)	Rated capacity	Btu/h	0	0	/	/	
Heating at -22F (-30°C)	Rated capacity	Btu/h	0	0	0	/	
MINIMUM CIRCUIT AMPACITY		A	16	12	15	19	
MAX.FUSE		A	20	15	20	30	
Compressor	Model		KSK103D33UEZ3(YJ)	KSK103D33UEZ3(YJ)	KSN140D21UFZ	KTM240D5UMT	
	Type		/	/	ROTARY	Twin-ROTARY	
	Brand		GMCC	GMCC	GMCC	GMCC	
	Capacity	W	/	/	4385	7740	
	Input	W	/	/	1140	2085	
	Rated current(RLA)	A	11.67	6.47	7.5	14.25	
	Locked rotor Amp(LRA)	A	/	/	/	/	
	Thermal protector		/	/	/	/	
	Thermal protector position		/	/	/	NA	
	Capacitor	uF	/	/	/	/	
Refrigerant oil/oil charge	ml	/	/	VG74 440	ESTER OIL VG74 670		
Indoor fan motor	Model		YKFG-15-4-28-1	YKFG-20-4-10L	YKFG-28-4-6-5	YKFG-45-4-13	
	Brand						
	Input	W	46.0	47.4	58.5	89.0	
	RLA	A	0.37	0.34	0.66	0.45	
	LRA	A	/	/	/	/	
	Winding Resistance	Ω	/	/	/	/	
	Capacitor	uF	3	1.5	1.5	3	
	Speed(Hi/Mi/Lo)	r/min	1180/950/750	1180/950/750	1200/1000/800	1200/1000/800	
Indoor air flow (Hi/Mi/Lo)	m3/h	450/360/270	540/410/300	788/628/468	960/760/580		
Indoor air flow (Hi/Mi/Lo)	CFM	264.71/211.76/158.82	317.65/241.18/176.47	463.53/369.41/275.29	564.71/447.06/341.18		
Indoor noise level (Hi/Mi/Lo)	dB(A)	39.5/33.5/26	41.5/34.5/25.5	44/38/30	46/40/33.5		
Indoor unit	Dimension(W*D*H)	mm	715x194x285	805x194x285	957x213x302	1040x220x327	
	Dimension(W*D*H)	inch	28.15x7.64x11.22	31.69x7.64x11.22	37.68x8.39x11.89	40.94x8.66x12.87	
	Packing (W*D*H)	mm	780x270x365	870x270x365	1035x295x385	1120x405x315	
	Packing (W*D*H)	inch	30.71x10.63x14.37	34.25x10.63x14.37	40.75x11.61x15.16	44.09x15.94x12.40	
	Net/Gross weight	kg	7.2/9.3	7.8/10	10.4/13.3	13.1/16.6	
	Net/Gross weight	lb	15.87/20.50	17.20/22.05	22.93/29.32	28.88/36.60	
Outdoor fan motor	Model		ZKFN-20-8-1	ZKFN-20-8-1	ZKFN-34-10-1	ZKFN-80-8-3	
	Input	W	/	/	/	/	
	RLA	A	0.71	0.47	0.82	0.76	
	LRA	A	/	/	/	/	
	Winding Resistance	Ω	/	/	/	/	
	Capacitor	uF	/	/	0	/	
Speed	r/min	850/500	850/500	1200/700	810/720		
Outdoor air flow	m3/h	1800	1800	2100	3000		
Outdoor air flow	CFM	1058.82	1058.82	1235.29	1764.71		
Outdoor noise level	dB(A)	54.5	54.5	57	59.5		
Outdoor unit	Dimension(W*D*H)	mm	720x270x495	720x270x495	765x303x555	890x342x673	
	Dimension(W*D*H)	inch	28.35x10.63x19.49	28.35x10.63x19.49	30.12x11.93x21.85	35.04x13.46x26.50	
	Packing (W*D*H)	mm	835x300x540	835x300x540	887x337x610	995x398x740	
	Packing (W*D*H)	inch	32.87x11.81x21.26	32.87x11.81x21.26	34.92x13.27x24.02	39.17x15.67x29.13	
	Net/Gross weight	kg	24.8/26.5	24/25.6	29.1/31.6	44.4/47.4	
	Net/Gross weight	lb	54.67/58.42	52.91/56.44	64.15/69.67	97.88/104.50	

Refrigerant type	oz	R410A/0.58	R410A/0.73	R410A/47.97	R410A/62.8	
Additional charge per metre	g/m	15	15	15	30	
Additional charge for each ft	oz/ft	0.16	0.16	0.16	0.32	
Design pressure	PSIG	550/340	550/340	550/340	550/340	
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	30
	Max. refrigerant pipe length	ft	82.02	82.02	98.42	98.42
	Max. difference in level	m	10	10	20	20
		ft	32.81	32.81	65.62	65.62
Connection wiring						
Thermostat type		(Remote Control)	(Remote Control)	(Remote Control)	(Remote Control)	
Room temperature	Indoor(cooling/ heating)	°C	17~32/0~30	17~32/0~30	17~32/0~30	17~32/0~30
	Indoor(cooling/ heating)	°F	///	///	///	///
	Outdoor(cooling/heating)	°C	-15~50/-20~30	-15~50/-20~30	-15~50/-15~30	-15~50/-20~30
	Outdoor(cooling/heating)	°F	///	///	///	///
Application area (Cooling Standard)	m2	12~18	16~23	24~35	32~47	
Application area (cooling standard)	sq.ft	129.17~193.75	172.22~247.57	258.33~376.74	344.44~505.90	
AHRI Certification Number		207192275	207192276	207192277	207192278	