

Outdoor model			H2OG-14HFN8-Q	H2OC-18HFN8-Q	H2OD-18HFN8-Q
Power Supply (Outdoor)		V-Ph-Hz	220~240-1-50	220~240-1-50	220~240-1-50
Cooling	Capacity	Btu/h	14000(6210~16400)	18000(3860~18000)	18000(3860~19000)
	Input	W	1270(168~1714)	1630(150~2000)	1630(150~2000)
	Rated current	A	5.52(0.73~9.3)	7.1(0.7~9.27)	7.1(0.7~9.21)
	EER	W/W	3.2	3.24	3.24
Heating	Capacity	Btu/h	15000(5220~17400)	19000(6120~19000)	19000(6120~20000)
	Input	W	1185(265~1707)	1390(300~1670)	1390(300~1650)
	Rated current	A	5.15(1.15~9.4)	6.1(1.4~7.74)	6.1(1.4~7.41)
	COP	WWW	3.71	4.01	4.01
Max. input consumption		W	2650	2300	2850
Max. current		A	11.5	12	13
Compressor	Model		KSN140D21UFZ	KSM135D23UFZ	KSN140D21UFZ
	Type		ROTARY	ROTARY	ROTARY
	Brand		GMCC	GMCC	GMCC
	Capacity	Btu/h	4385	4230	4385
	Input	W	1140	1080	1140
	Rated current(RLA)	A	7.50	7.1	7.50
	Locked rotor Amp(LRA)	A	/	/	/
	Thermal protector position		/	/	/
	Capacitor	μF	/	/	/
Refrigerant oil	ml	VG74 440	VG74/450	VG74 440	
Outdoor fan motor	Model		ZKFN-34-8-1-3	ZKFN-40-8-1L-5	ZKFN-34-8-1-3
	Qty		1	1	1
	Output	W	34	40.0	34
	Capacitor	uF	/	/	/
	Speed	r/min	850/750/650	850/750/650	850/750/650
Outdoor coil	Number of rows		1	2.0	2
	Tube pitch(a)x row pitch(b)	mm	21x22	25.4x22	25.4x22
	Fin spacing	mm	1.2	1.4	1.4
	Fin type (code)		Hydrophilic aluminum	Hydrophilic aluminum	Hydrophilic aluminum
	Tube outside dia.and type	mm	Φ7,Inner groove tube	Φ9.52,Inner groove tube	Φ9.52,Inner groove tube
	Coil length x height x width	mm	870x504x22	860x508x44	860x508x44
	Number of circuits		2	4	4
Outdoor air flow		m ³ /h	2200	2200	/
Outdoor sound pressure level		dB(A)	56	56	55.5
Outdoor sound power level		dB(A)	64	64	65
Throttle type			EXV+Capillary	EXV+Capillary	EXV+Capillary
Outdoor unit	Dimension(W*D*H)	mm	800x333x554	800x333x554	800x333x554
	Packing (W*D*H)	mm	920x390x615	920x390x625	920x390x615
	Net/Gross weight	Kg	31.8/34.9	36/39	35.5/38.5
Refrigerant type	Type	-	R32	R32	R32
	GWP	-	675	675	675
	Charged quantity	Kg	1.1	1.3	1.25
Design pressure		MPa	4.3/1.7	4.3/1.7	4.3/1.7

	Liquid side/ Gas side	mm(inch)	2 x Ø6.35/Ø9.52(1/4"/3/8")	2 x Ø6.35/Ø9.52(1/4"/3/8")	2 x Ø6.35/Ø9.52(1/4"/3/8")
Refrigerant piping	Max. length for all rooms	m	40	40	40
	Max. length for one indoor unit	m	25	25	25
	Max. height difference between indoor and outdoor unit	m	15	15	15
	Max. height difference between indoor units	m	10	10	10
Ambient temperature	Cooling	°C	-15~50	-15~50	-15~50
	Heating	°C	-15~24	-15~24	-15~24

Notes:

1) Capacities are based on the following conditions:

Cooling(T1):	- Indoor Temperature 27°C(80.6°F) DB /19 °C(66.2°F) WB	Heating:	- Indoor Temperature 20°C(68°F) DB / 15°C(59°F) WB
	-Outdoor Temperature 35 °C(95°F) DB /24 °C(75.2°F) WB		-Outdoor Temperature 7°C(44.6°F) DB / 6°C(42.8°F) WB
	-Interconnecting Piping Length 5m		- Interconnecting Piping Length 5 m
	- Level Difference of Zero.		- Level Difference of Zero.

2) Capacities are Net Capacities.

3) Due to our policy of innovation some specifications may be changed without notification.

Outdoor model			M30E-27HFN8-Q	H30F-21HFN8-Q	M30F-27HFN8-Q
Power Supply (Outdoor)		V-Ph-Hz	220~240-1-50	220~240-1-50	220~240-1-50
Cooling	Capacity	Btu/h	27000(7370~27000)	21000(6619~23420)	27000(10100~29000)
	Input	W	2440(200~3070)	1950(180~2240)	2450(235~3220)
	Rated current	A	10.6(0.9~13.5)	9.0(1.09~9.9)	13.7(2.2~14.3)
	EER	W/W	3.24	3.23	3.23
Heating	Capacity	Btu/h	28800(6400~31500)	22500(5900~24740)	28000(6950~32000)
	Input	W	2270(320~2850)	1780(325~1920)	2100(310~2890)
	Rated current	A	10.0(1.4~12.5)	8.5(1.94~8.5)	12.5(2.5~12.9)
	COP	W/W	3.72	3.71	3.91
Max. input consumption		W	3100	3300	3600
Max. current		A	15	15.5	17.5
Compressor	Model		KTF235D22UMT	KSN140D21UFZ	KTM240D57UMT
	Type		ROTARY	ROTARY	ROTARY
	Brand		GMCC	GMCC	GMCC
	Capacity	Btu/h	7650	4385	7715
	Input	W	2065	1140	2085
	Rated current(RLA)	A	9.4	7.50	9.45
	Locked rotor Amp(LRA)	A	/	/	/
	Thermal protector position		/	/	/
	Capacitor	μF	/	/	/
Refrigerant oil	ml	RB74A F/670	VG74 440	VG74 670	
Outdoor fan motor	Model		ZKFN-50-8-2	ZKFN-50-8-2-3	ZKFN-50-8-2-3
	Qty		1	1	1
	Output	W	50	50	50
	Capacitor	μF	/	/	/
	Speed	r/min	850/750/600	750/650/550	850/650/550
Outdoor coil	Number of rows		2	2	1
	Tube pitch(a)x row pitch(b)	mm	25.4x22	21x22	25.4x22
	Fin spacing	mm	1.4	1.2	1.4
	Fin type (code)		Hydrophilic aluminum	Hydrophilic aluminum	Unhydrophilic aluminium
	Tube outside dia.and type	mm	Φ9.52,Inner groove tube	Φ7,Inner groove tube	Φ9.52,Inner groove tube
	Coil length x height x width	mm	730x660x44	730x651x44	730x660x22
	Number of circuits		4	4	4
Outdoor air flow	m3/h	2700	/	/	
Outdoor sound pressure level	dB(A)	59	57.5	59	
Outdoor sound power level	dB(A)	66	65	67	
Throttle type			EXV+Capillary	EXV+Capillary	EXV+Capillary
Outdoor unit	Dimension(W*D*H)	mm	845x363x702	845x363x702	845x363x702
	Packing (W*D*H)	mm	965x395x775	965x395x775	965x395x775
	Net/Gross weight	Kg	54.4/59.2	46.8/51.1	51.1/55.8
Refrigerant type	Type	-	R32	R32	R32
	GWP	-	675	675	675
	Charged quantity	Kg	1.57	1.4	1.72
Design pressure		MPa	4.3/1.7	4.3/1.7	4.3/1.7

	Liquid side/ Gas side	mm(inch)	3 x Ø6.35/Ø9.52(1/4"/3/8")	3 x Ø6.35/Ø9.52(1/4"/3/8")	3 x Ø6.35/Ø9.52(1/4"/3/8")
Refrigerant piping	Max. length for all rooms	m	60	60	60
	Max. length for one indoor unit	m	30	30	30
	Max. height difference between indoor and outdoor unit	m	15	15	15
	Max. height difference between indoor units	m	10	10	10
Ambient temperature	Cooling	°C	-15~50	-15~50	-15~50
	Heating	°C	-15~24	-15~24	-15~24

Notes:

1) Capacities are based on the following conditions:

Cooling(T1): - Indoor Temperature 27°C(80.6°F) DB /19 °C(66.2°F) WB Heating: - Indoor Temperature 20°C(68°F) DB / 15°C(59°F) WB

-Outdoor Temperature 35 °C(95°F) DB /24 °C(75.2°F) WB

-Outdoor Temperature 7°C(44.6°F) DB / 6°C(42.8°F) WB

-Interconnecting Piping Length 5m

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- Level Difference of Zero.

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Outdoor model			H40E-28HFN8-Q	H40B-36HFN8-Q	H50D-42HFN8-Q
Power Supply (Outdoor)		V-Ph-Hz	220~240-1-50	220~240-1-50	220~240-1-50
Cooling	Capacity	Btu/h	28000 8000~34200)	36000 12430~37000)	42000 10170~42000)
	Input	W	2550 204~3446)	3300 330~4250)	4320 280~4580)
	Rated current	A	11 1.17~15)	15.0 1.5~18.5)	18.9 1.2~20.0)
	EER	W/W	3.23	3.2	2.85
Heating	Capacity	Btu/h	30000 8100~35800)	37000 9730~41000)	42000 9370~42000)
	Input	W	2050 431~3050)	2760 470~4210)	3100 510~4000)
	Rated current	A	9 2.55~13.3)	12.1 2.1~18.4)	13.5 2.2~17.6)
	COP	WWW	4.0	3.93	3.97
Max. input consumption		W	4150	4600	4700
Max. current		A	19	21.5	22
Compressor	Model		KTM240D57UMT	KTF310D43UMT	KTF310D43UMT
	Type		ROTARY	ROTARY	ROTARY
	Brand		GMCC	GMCC	GMCC
	Capacity	Btu/h	7715	10010	10010
	Input	W	2085	2765	2765
	Rated current(RLA)	A	9.45	5.38	5.38
	Locked rotor Amp(LRA)	A	/	/	/
	Thermal protector position		/	EXTERNAL	EXTERNAL
	Capacitor	μF	/	/	/
Refrigerant oil	ml	VG74 670	VG74/1000	VG74/1000	
Outdoor fan motor	Model		ZKFN-120-8-2	ZKFN-120-8-2	ZKFN-120-8-2
	Qty		1	1	1
	Output	W	120	120	120
	Capacitor	uF	/	/	/
	Speed	r/min	900/750/600	900/750/600	900/750/600
Outdoor coil	Number of rows		2	2.0	3.0
	Tube pitch(a)x row pitch(b)	mm	21x13.37	25.4x22	25.4x22
	Fin spacing	mm	1.4	1.3	1.3
	Fin type (code)		Hydrophilic aluminum	Hydrophilic aluminum	Hydrophilic aluminum
	Tube outside dia.and type	mm	Φ7,Inner groove tube	Φ9.52,Inner groove tube	Φ9.52,Inner groove tube
	Coil length x height x width	mm	1005x756x13.37+985x756x13.37	995x762x44	978x762x44+580x762x22
	Number of circuits		6	4	4
Outdoor air flow		m ³ /h	/	4000	3850
Outdoor sound pressure level		dB(A)	61.5	61	64
Outdoor sound power level		dB(A)	67	67	69
Throttle type			EXV+Capillary	EXV+Capillary	EXV+Capillary
Outdoor unit	Dimension(W*D*H)	mm	946x410x810	946x410x810	946x410x810
	Packing (W*D*H)	mm	1090x500x885	1090x500x885	1090x500x885
	Net/Gross weight	Kg	62.1/67.7	68.8/75.6	73.3/80.4
Refrigerant type	Type	-	R32	R32	R32
	GWP	-	675	675	675
	Charged quantity	Kg	2.1	2.1	2.4
Design pressure		MPa	4.3/1.7	4.3/1.7	4.3/1.7

	Liquid side/ Gas side	mm(inch)	4 x Φ 6.35/3x Φ 9.52+1x Φ 12.7(4x1/4"/3x 3/8"+1x1/2")	4 x Φ 6.35/3x Φ 9.52+1x Φ 12.7(4x1/4"/3x 3/8"+1x1/2")	5 x Φ 6.35/4x Φ 9.52+1x Φ 12.7(5x1/4"/4x 3/8"+1x1/2")
Refrigerant piping	Max. length for all rooms	m	80	80	80
	Max. length for one indoor unit	m	35	35	35
	Max. height difference between indoor and outdoor unit	m	15	15	15
	Max. height difference between indoor units	m	10	10	10
Ambient temperature	Cooling	°C	-15-50	-15-50	-15-50
	Heating	°C	-15-24	-15-24	-15-24

Notes:

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