

	AHU MODEL		AC-I-18AH14	AC-I-24AH14	AC-I-30AH14	AC-I-36AH14	AC-I-42AH14	AC-I-48AH14	AC-I-60AH14
	ODU MODEL		AC-I-18HP14	AC-I-24HP14	AC-I-30HP14	AC-I-36HP14	AC-I-42HP14	AC-I-48HP14	AC-I-60HP14
BasicParameter	IDU Power Supply(Volts; Hz; Phase)		208/230V,60Hz,1Ph	208/230V,60Hz,1Ph	208/230V,60Hz,1Ph	208/230V,60Hz,1Ph	208/230V,60Hz,1Ph	208/230V,60Hz,1Ph	208/230V,60Hz,1Ph
	ODU Power Supply(Volts; Hz; Phase)		208/230V,60Hz,1Ph	208/230V,60Hz,1Ph	208/230V,60Hz,1Ph	208/230V,60Hz,1Ph	208/230V,60Hz,1Ph	208/230V,60Hz,1Ph	208/230V,60Hz,1Ph
NationalCertification	Cooling Capacity	Btu/h	18000	24000	30000	34200	42000	46000	54000
	Cooling Input	W	1538	2051	2564	2923	3590	4000	4615
	Cooling Current	A	7	9	12	13	16	18	21
	SEER2	Btu/h/W	14.3	14.3	14.3	14.3	14.3	14.3	14.3
	EER2	Btu/h/W	11.7	11.7	11.7	11.7	11.7	11.7	11.7
	Heating Capacity	Btu/h	17600	23000	29000	34000	42000	46000	52500
	Heating Input	W	1350	1820	2360	2850	3160	3550	4050
	Heating Current	A	6.1	8.2	10.7	12.9	14.3	16.1	18.3
	HSPF2-4	Btu/h/W	7.5	7.5	7.5	7.5	7.5	7.5	7.5
	HSPF2-5	Btu/h/W	7.5	7.5	7.5	7.5	7.5	7.5	7.5
	COP	W/W	3.8	3.7	3.6	3.5	3.9	3.8	3.8
	Heating(H32) Rated capacity	Btu/h	11000	14500	18500	21800	27000	30000	37400
	Heating(H32) COP	W/W	2.5	2.4	2.5	2.4	2.9	2.76	2.66
	Heating(H42) Rated capacity	Btu/h	9200	12000	15500	18200	22400	25200	31400
	Heating(H42) COP	W/W	2.4	2.2	2.2	2.2	2.8	2.6	2.5
	Cooling Capacity at 109 F (43°C)	Btu/h	16200	21600	27000	30780	37800	41400	48600
	Cooling Capacity at 5F (-15°C)	Btu/h	18540	24720	30900	35226	43260	47380	55620
	Heating Capacity at 17F (-8.33°C)	Btu/h	11000	14500	18500	21800	27000	30000	37400
	Heating Capacity at 5F(-15°C)	Btu/h	9200	12000	15500	18200	22400	25200	31400
	Moisture removal	kg/h	1.7	2.2	2.8	3.4	4	4.5	5.2
	Indoor MINIMUM CIRCUIT AMPACITY	A	3.5	3.5	5.0	5.0	7.0	7.0	7.0
	Indoor MAX FUSE	A	6.0	6.0	6.0	6.0	10.0	10.0	10.0
	Outdoor MINIMUM CIRCUIT AMPACITY	A	15	20.0	20.0	25.0	25.0	30.0	40.0
	Outdoor MAX FUSE	A	20	25	25	30	35	40	50
	Communication Wiring		AWG 20×3 Shielded	AWG 20×3 Shielded	AWG 20×3 Shielded	AWG 20×3 Shielded	AWG 20×3 Shielded	AWG 20×3 Shielded	AWG 20×3 Shielded
	Indoor fan motor RLA	A	1.29	1.78	2.23	2.23	3.48	3.48	5.40
	Outdoor fan motor RLA	A	0.92	0.92	0.92	0.92	0.92	0.92	0.92
	Outdoor Compressor Rated current(RLA)	A	6.45	8.35	9.8	11.75	12.5	14.6	
	Indoor Indoor air flow (High/Low)	m³/h	1105/714	1105/714	1615/884	1615/884	1870/1275	2873/1275	2958/1275
	Indoor Indoor air flow (High/Low)	CFM	650/420	650/420	950/520	950/520	1100/750	1690/750	1740/750
	Indoor noise level (High/Low)	dB(A)	38.5/34	38.5/34	40/36	40/36	53/46	53/46	53/46
	Outdoor Outdoor air flow	m³/h	3400	3400	4500	4500	5000	5000	5000
	Outdoor Outdoor air flow	CFM	2000	2000	2650	2650	2950	2950	2950
	Outdoor noise level (Hi)	dB(A)	58	58	59	59	60	60	60
BasicParameter(NC)	N.A. Design pressure	PSI	609/174	609/174	609/174	609/174	609/174	609/174	609/174
	Outdoor Refrigerant type		R32	R32	R32	R32	R32	R32	R32
	Outdoor Refrigerant charge	kg	1.5	1.8	2.3	2.5	2.8	2.8	3.2
	Outdoor Refrigerant charge	oz	52.9	63.5	81.1	88.2	98.8	98.8	112.9
	Outdoor Additional charge per metre	g/m	48	48	48	48	48	48	48
	Outdoor Additional charge	oz/ft	0.52	0.52	0.52	0.52	0.52	0.52	0.52
	Outdoor Throttle type		Capillary	Capillary	Capillary	Capillary	Capillary	Capillary	Capillary
	Liquid side	mm(inch)	9.52mm(3/8in)	9.52mm(3/8in)	9.52mm(3/8in)	9.52mm(3/8in)	9.52mm(3/8in)	9.52mm(3/8in)	9.52mm(3/8in)
	Gas side	mm(inch)	19mm(3/4in)	19mm(3/4in)	19mm(3/4in)	19mm(3/4in)	19mm(3/4in)	19mm(3/4in)	19mm(3/4in)
	Max. refrigerant pipe length	m	29	39	39	39	49	64	64
	Max. Piping Length	ft	98	131	131	131	164	213	213
	Max. difference in level	m	20	25	25	25	25	29	29
	Max. Height Difference	ft	66	82	82	82	82	98	98
	Room temperature Indoor(cooling)	°C	17~32	17~32	17~32	17~32	17~32	17~32	17~32
	Room temperature Outdoor(cooling)	°C	-5~52	-5~52	-5~52	-5~52	-5~52	-5~52	-5~52
	Room temperature Indoor(heating)	°C	17~32	17~32	17~32	17~32	17~32	17~32	17~32
	Room temperature Outdoor(heating)	°C	-20~30	-20~30	-20~30	-20~30	-20~30	-20~30	-20~30
	Indoor Operating Temp. Range(Cooling)	°F	62.6~89.6	62.6~89.6	62.6~89.6	62.6~89.6	62.6~89.6	62.6~89.6	62.6~89.6
	Outdoor Operating Temp. Range(Cooling)	°F	23~125.6	23~125.6	23~125.6	23~125.6	23~125.6	23~125.6	23~125.6
	Indoor Operating Temp. Range(Heating)	°F	62.6~89.6	62.6~89.6	62.6~89.6	62.6~89.6	62.6~89.6	62.6~89.6	62.6~89.6
	Outdoor Operating Temp. Range(Heating)	°F	-4~86	-4~86	-4~86	-4~86	-4~86	-4~86	-4~86
	Indoor Unit Net/Gross weight	kg	51.5/57.5	51.5/57.5	62/68.5	62/68.5	75/83.5	75/83.5	75/83.5
	Indoor Unit Net/Gross weight	lb	114/127	114/127	137/151	137/151	165/184	165/184	165/184
	Indoor Body Dimension W×D×H	mm	445×534×1143	445×534×1143	534×534×1245	534×534×1245	622×534×1346	622×534×1346	622×534×1346
	Indoor Unit Dimension W×D×H	inch	17.3/64×21.1/32×45	17.3/64×21.1/32×45	21.1/32×21.1/32×49-7/32	21.1/32×21.1/32×49-7/32	24.31/64×21.1/32×52-63/64	24.31/64×21.1/32×52-63/64	24.31/64×21.1/32×52-63/64
	Indoor Item Package Dimension(W×D×H)	mm	530×675×1175	530×675×1175	620×675×1275	620×675×1275	708×675×1375	708×675×1375	708×675×1375
	Indoor Package Dimension W×D×H	inch	20.55/64×26.37/64×46.17/64	20.55/64×26.37/64×46.17/64	24.13/32×26.37/64×50.13/64	24.13/32×26.37/64×50.13/64	27.7/8×26.37/64×54.9/64	27.7/8×26.37/64×54.9/64	27.7/8×26.37/64×54.9/64
	Outdoor Unit Net/Gross weight	kg	53/56	54/57	63.1/67	65.9/70	80/85	82.5/87.5	
	Outdoor Unit Net/Gross weight	lb	117/123	119/126	139/148	145/154	176/187	176/187	182/193
	Outdoor Body Dimension W×D×H	mm	600×600×635	600×600×635	740×740×635	740×740×635	740×740×835	740×740×835	740×740×835
	Outdoor Unit Dimension W×D×H	inch	23.5/8×23.5/8×25	23.5/8×23.5/8×25	29.9/64×29.9/64×25	29.9/64×29.9/64×25	29.9/64×29.9/64×32-7/8	29.9/64×29.9/64×32-7/8	29.9/64×29.9/64×32-7/8
	Outdoor Item Package Dimension(W×D×H)	mm	660×660×665	660×660×665	770×770×665	770×770×665	770×770×865	770×770×865	770×770×865
	Outdoor Package Dimension W×D×H	inch	25.63/64×25.63/64×26.3/16	25.63/64×25.63/64×26.3/16	30.5/16×30.5/16×26.3/16	30.5/16×30.5/16×26.3/16	30.5/16×30.5/16×34.1/16	30.5/16×30.5/16×34.1/16	30.5/16×30.5/16×34.1/16
Electrical Motor	Indoor Indoor Fan Motor Model		DQ-DZJ-249F-12-2	DQ-DZJ-249F-12-2	DQ-DZJ-373F-12-1	DQ-DZJ-373F-12-1	DQ-DZJ-560F-12-1	DQ-DZJ-560F-12-1	DQ-DZJ-560F-12-1
	Indoor Output	W	180	180	420	420	520	560	560
Outdoor Electrical/Motor	Outdoor Outdoor Fan Motor Model		DQ-DRN-310-200-8-B(A)	DQ-DRN-310-200-8-B(A)	DQ-DRN-310-200-8-B(A)	DQ-DRN-310-200-8-B(A)	DQ-DRN-310-200-8-B(A)	DQ-DRN-310-200-8-B(A)	DQ-DRN-310-200-8-B(A)
	Outdoor Outdoor Fan Motor Output	W	200	200	200	200	200	200	200
Compressor	Outdoor Compressor Type		Rotary	Rotary	Rotary	Rotary	Scroll	Scroll	Scroll
	Outdoor Compressor Model		KSF155N2VETB3	KSF200N1VKTB3	KSF230N1VKTB	KSG280N1VMT	SKD403N1ULB	SKD404N1ULB	SKD404N1ULB
	Outdoor Compressor Brand		GMCC	GMCC	GMCC	GMCC	GMCC	GMCC	GMCC
	Outdoor Compressor Capacity	W	5760	7500	10530	12500	12500	12500	19620
	Outdoor Compressor Input Power	W	1315	1710	2005	2415	2747	3300	3090
	Outdoor Compressor Rated current	A	6.45	8.35	9.8	11.75	12.5	14.6	13.6
	Outdoor Refrigerant oil		VG74	VG74	VG74	VG74	VG46	VG46	VG46
	Outdoor Refrigerant oil charge	mL	260	640	410	850	740	1240	1240
BasicParameter (Indoor/Outdoor)	Indoor Loading quantity 40'HQ	set	157	157	108	108	76	76	76
	Outdoor Loading quantity 40'HQ	set	216	216	180	180	135	135	135