

Hiwall Fixed Speed **J Series**



*indoor unit panel for 30K and 36K has a different appearance

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|-----------------------------------|--------------------------------------|---|
| → Two directional airflow | → Low refrigerant detection | → Left or right drain connection |
| → Louver position memory function | → Self diagnosis and auto protection | → Golden anti corrosion on indoor and outdoor units |
| → Interconnecting Cable | → Auto restart function | → Sleep mode |
| → Timer | → Piping Kit | → Auto swing |
| → Turbo Mode | | |



R-410A
REFRIGERANT

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Indoor Model Number			CH41J-012-H1N1C	CH41J-009-H3N1C	CH41J-012-H3N1C	CH41J-018-H3N1C	CH41J-024-H3N1C	CH41J-030-H3N1C	CH41J-036H3N2C
Outdoor Model Model			CG41J-012PH1N1C	CG41J-009PH3N1C	CG41J-012PH3N1C	CG41J-018PH3N1C	CG41J-024PH3N1C	CG41J-030PH3N1C	CG41J-036PH3N2C
Power supply		Ph-V-Hz	115V,1Ph,60Hz	220-230V,1Ph,60Hz	220-230V,1Ph,60Hz	220-230V,1Ph,60Hz	220-230V,1Ph,60Hz	220-230V,1Ph,60Hz	220-230V,1Ph,60Hz
Acceptable voltage range		Min-Max VAC	103 ~ 127	187 ~ 254	187 ~ 254	187 ~ 254	187 ~ 254	187 ~ 254	187 ~ 254
Cooling	Nominal Capacity	Btu/h	12000	12000	12000	18000	24000	30000	36000
	Input	W	1075	1250	1250	1820	2500	3035	3550
	Rated current	A	9.6	5.9	5.9	8.44	11.4	13.2	15.20
	EER	W/W	3	2.81	2.81	2.90	2.81	2.90	3.0
Max. input consumption		W	1750	1790	1790	2350	3000	4500	4450
Max. current		A	17.5	9.2	9.2	12	15.5	25	24.5
Starting current		A	48	28	28	35.6	58	72	80
Compressor	Model		KSM106E2UDZK	ASM113N21UEZ	ASM113N21UEZ	PA155M2A-3ETL1	KSF230N1VKTB	KSG280N1VMT	ASQ330N2UMTA
	Type / Brand		ROTARY / GMCC	ROTARY / GMCC	ROTARY / GMCC	ROTARY / GMCC	ROTARY / GMCC	ROTARY / GMCC	ROTARY / GMCC
	Capacity	W	3300	3275/3310	3275/3310	5395/5430	8565/8650	10380/10445 ±3% W	9835/9900
	Input	W	1130	1130/1180 ±3%	1130/1180 ±3%	1255/1270	2020/2100	2380 ±3% W	3230/3330
	Rated current(FLA)	A	9.95	5.85/5.45 ±3%	5.85/5.45 ±3%	6.10/5.65	9.85/9.45	11.55 ±3% A	15.7/14.8
	Locked rotor Amp(LRA)	A	51	28 ±10%	28 ±10%	35.6	58±10%	72 A ±10%	80 A ±10%
	Thermal protector		UP3-27/HPA-544	HPA-522	HPA-522	HPA -732H	HPA-452	HPD-565H	UP14SE5145-K/HPD-765H
	Thermal protector position		INTERNAL	INTERNAL	INTERNAL	INTERNAL	INTERNAL	/	INTERNAL
	Capacitor	µF	70.0	45.0	45.0	50.0	55.0	60.0	80
Indoor fan motor	Refrigerant oil/oil charge	ml	ESTER OIL VG68·300	ESTEL OIL VG68 ·300±15	ESTEL OIL VG68 ·300±15	ESTEL OIL VG74/290	VG74 410±15 ml	VG74 740 ±15 ml	VG75 1000 ±15 ml
	Model		YKFG-15-4-28-1	YKFG-20-4-10L	YKFG-20-4-10L	YKFG-28-4-6-5	YKFG-45-4-13	ZKFP-58-8-1-10	ZKFP-58-8-1-10
	Input	W	46.0	47.4	47.4	58.5	89.0	58.0	58
	Capacitor	uF	3	1.5	1.5	1.5	3	/	/
	Speed(Hi/Mi/Lo)	r/min	1200/950/850	1150/950/850	1150/950/850	1180/1000/850	1200/1000/850	1210/1080/900	1210/1080/1020
Indoor coil	Number of rows		2	2	2	2	2	2	3
	Fin spacing	mm	1.2	1.2	1.2	1.2	1.3	1.2	1.3
	Fin type (code)		Hydrophilic aluminum	Hydrophilic aluminum	Hydrophilic aluminum	Hydrophilic aluminum	Hydrophilic aluminum	Hydrophilic aluminum	Hydrophilic aluminum
	Tube outside dia.and type	mm	Φ7,Inner groove tube	Φ5,Inner groove tube	Φ5,Inner groove tube	Φ7,Inner groove tube	Φ7,Inner groove tube	Φ7,Inner groove tube	Φ7,Inner groove tube
	Number of circuits		3	4	4	3	4	5	7
Indoor air flow (Hi/Mi/Lo)		m3/h	580/440/380	540/430/380	540/430/380	758/615/500	1000/800/630	1600/1440/1185	1640/1380/1200/1110
Indoor sound level (Hi/Mi/Lo)		dB(A)	41/34/31.5	39.5/33/30.5	39.5/33/30.5	39.5/35.5/30.5	46/39.5/34.5	50/46/40.5	50.5/47/45
Indoor unit	Dimension(W*D*H)	mm	805x194x285	805x194x285	805x194x285	957x213x302	1040x220x327	1259x282x362	1259x282x362
	Packing (W*D*H)	mm	870x270x365	870x270x365	870x270x365	1035x295x385	1120x405x315	1340x450x385	1340x450x385
	Net/Gross weight	Kg	8.7/10.8	8/10.2	8/10.2	11.0/13.8	13.6/17	19.5/25.1	19.7/25.4
Outdoor fan motor	Model		YKT-32-6-229L	YKT-24-6-236L	YKT-24-6-236L	YKT-48-6-219-1	YKT-48-6-219-1	YKT-63-6-204L	YKT-60-6-41
	Input	W	80.2	/	/	/	/	/	150
	Capacitor	uF	5	2	2	2.5	3.0	4	4
	Speed	r/min	850/730	800/650	800/650	880	830	780	910/830
Outdoor coil	Number of rows		1	1	1	1.0	2	1.6	2
	Tube pitch(a)x row pitch(b)	mm	19.5x11.6	19.5x11.6	19.5x11.6	19.5x11.6	19.5x11.6	19.5x11.6	21x13.37
	Fin spacing	mm	1.2	1.2	1.2	1.2	1.2	1.2	1.4
	Fin type (code)		Hydrophilic aluminium	Hydrophilic aluminium	Hydrophilic aluminium	Hydrophilic aluminium	Hydrophilic aluminium	Hydrophilic aluminium	Unhydrophilic aluminium
	Tube outside dia.and type	mm	Φ5,Inner groove tube	Φ5,Inner groove tube	Φ5,Inner groove tube	Φ5,Inner groove tube	Φ5,Inner groove tube	Φ5,Inner groove tube	Φ7,Inner groove tube
	Number of circuits		2	2	2	2	4	4	6
Outdoor air flow		m3/h	2091	1800	1800	2100	2500	4200	4000
Outdoor sound level		dB(A)	52.5	52	52	58.5	55.5	60.5	58.5
Outdoor unit	Dimension(W*D*H)	mm	720x270x495	720x270x495	720x270x495	765x303x555	805x330x554	890x342x673	946x410x810
	Packing (W*D*H)	mm	835x300x540	835x300x540	835x300x540	887x337x610	915x370x615	995x398x740	1090x500x885
	Net / Gross weight	Kg	25.4/27.3	24.3/26	24.3/26	32.6/34.9	37.7/40.4	49.3/52.4	62.8/67.4
Refrigerant type / charge		Kg	R410A/0.5	R410A/0.48	R410A/0.48	R410A/0.65	R410A/1.05	R410A/1.3	R410A/2.5
Design pressure		MPa	4.2/1.5	4.2/1.5	4.2/1.5	4.2/1.5	4.2/1.5	4.2/1.5	4.2/1.5
Refrigerant piping	Liquid side/ Gas side	mm(inch)	6.35mm(1/4in)/12.7mm(1/2in)	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)	9.52mm(3/8in)/15.9mm(5/8in)	9.52mm(3/8in)/19mm(3/4in)
	Max. refrigerant pipe length	m	20	20	20	25	25	25	25
	Max. difference in level	m	8	8	8	10	10	10	10
Connection wiring			14#x3//	1.5x3//	1.5x3//	1.5x3//	2.5x3//	1.0x4//	1.0x4//
Plug type			14#x3/no-plug	16#x3/SP008	16#x3/SP008	14#x3/no-plug	2.5x3/no-plug	//no-plug	//no-plug
Thermostat type			Remote Control	Remote Control	Remote Control	Remote Control	Remote Control	Remote Control	Remote Control
Operation temperature		°C	17~30	17~30	17~30	17~30	17~30	17~30	17~30
Room temperature	Indoor(cooling/ heating)	°C	17 ~ 32//	17 ~ 32//	17 ~ 32//	17 ~ 32//	17 ~ 32//	17 ~ 32//	17 ~ 32//
	Outdoor(cooling/heating)	°C	18 ~ 43//	18 ~ 43//	18 ~ 43//	18 ~ 43//	18 ~ 43//	18 ~ 43//	18 ~ 43//
Application area (Cooling Standard)		m ²	15 ~ 21	16 ~ 23	16 ~ 23	24 ~ 35	32 ~ 47	40 ~ 59	47~68
Qty/per 20' /40' /40'HQ		-	132/274/305	132/274/305	132/274/305	90/190/222	83/169/199	49/101/122	36/76/88