

# 13 SEER Wall Mounted Mini Split Heat Pump Air Conditioner



Model		KFGHP-09-ID KFGHP-09-OD	KFGHP-12-ID KFGHP-12-OD	KFGHP-18-ID KFGHP-18-OD	KFGHP-24-ID KFGHP-24-OD
Function		COOLING/HEATING			
Rated Voltage		115V AC	115V AC	230V AC	230V AC
Rated Frequency		60Hz	60Hz	60Hz	60Hz
Cooling/Heating Capacity(BTU)		9000/9000	12000/12000	18000/18000	24000/24000
SEER		13	13	13	13
EER/COP/HSPF		11.7/12.33/9.2	11.9/11.88/9.2	12.2/12.33/9.2	12.4/13.22/9.2
Cooling/Heating Power Input(W)		770/720	1010/1000	1480/1460	1930/1820
Cooling/Heating Rated Current(A)		7.2/6.8	9.6/9.6	6.5/6.4	8.5/8
Air Flow Volume(CFM)		347.0	382.0	618.0	706.0
Dehumidifying Volume(pt/h)		1.7	2.8	2	2.8
Auto Restart		Yes	Yes	Yes	Yes
Breaker Size		15AMP	20AMP	15AMP	15AMP
Minimum Circuit Ampacity		10.6	13.91	9.4	12.5
Indoor	Fan Motor Speed(r/min)(L/M/H)	950/1100/1250	950/1100/1250	1000/1100/1220	1000/1100/1220
	Output of Fan Motor(w)	16	16	40	40
	Fan Motor Capacitor (uf)	4	4	3.5	3.5
	Fan Motor RLA(A)	0.35	0.35	0.4	0.4
	Coil (W×H×D)	26.3"×15.75"×1.57"	32"×15.75"×1.57"	32"×16"×1"	37.8"×16"×1"
	Output of Swing Motor(W)	1.2	1.2	1.2	1.2
	Fuse(A)	6.30	6.30	6.30	6.30
	Sound Pressure Level dB(A)(L/M/H)	32/39/44	32/39/44	45/49/52	44/47/49
	Sound Power Level dB(A)	42/49/54	42/49/54	48/52/55	47/50/52
	Dimension(W/D/H)(inch)	31.1"×7.1"×10.6"	31.1"×7.1"×10.6"	45.5"×8.9"×12.8"	48.6"×8.9"×12.8"
Dimension of Package (W×D×H)(inch)	34"×14"×10.5"	40"×14"×10.5"	50.8"×12.6"×15.5"	50.8"×12.6"×15.5"	
Net Weight/Gross Weight(LB)	20/25	22/27	40/51	44/55	
Compressor Model	EA82X1C-1FZDU1	EA108X1C-1FZDU1	PA150X2CS-3KUU	PA200X2CS-3MUU	
Compressor Type	Rotary	Rotary	Rotary	Rotary	
LR.A(A)	47	53	32.6	46	
Compressor RLA(A)	7.5	9.9	6.7	9.0	
Compressor Power Input(W)	810	1085	1510	1650	
Compressor overload protection:	Thermal(internal)	Thermal(internal)	Thermal(internal)	Thermal(internal)	
Throttling Method	Capillary throttling	Capillary throttling	Capillary throttling	Capillary throttling	
Compressor Start Capacitor	45 ufd	45 ufd	40 ufd	45 ufd	
Outdoor Operating Range	23°F to 109°F	23°F to 109°F	23°F to 109°F	23°F to 109°F	
Condenser	Aluminum fin-copper tube	Aluminum fin-copper tube	Aluminum fin-copper tube	Aluminum fin-copper tube	
Pipe Diameter(inch)	0.275	0.315	0.375	0.375	
Row-Fin Gap(inch)	2-0.62	2-0.62	2-0.07874/0.071653	2-0.062992	
Coil (W×H×D)(inch)	31.8"×20"×21.73"	33.1"×20"×21.73"	36.5"×31.5"×1.73"	36.5"×31.5"×1.73"	
Fan Motor Speed(rpm)	910	790	780	780	
Output of Fan Motor(w)	35	45	60	60	
Fan Motor RLA (A)	0.81	0.8	0.7	0.7	
Fan Motor Capacitor (uf)	8	11	4	4	
Air Flow Volume of Outdoor Unit	1265 cfm	1265 cfm	1913 cfm	1913 cfm	
Fan Type-Pipe	Axial fan	Axial fan	Axial fan	Axial fan	
Fan Diameter (inch)	15.8"	16.5"	18.1"	18.1"	
Defrosting Method	Auto defrost	Auto defrost	Auto defrost	Auto defrost	
Isolation	1	1	1	1	
Design Pressure High (PSI)	464	436	652.5	594	
Design Pressure Low (PSI)	188	188	290	160	
Dimension(W/D/H)(inch)	32"×10"×21"	33.5"×11.6"×23.8"	35.4"×13"×33"	35.4"×13"×33"	
Dimension of Package (W/D/H)(inch)	36"×13"×23.5"	39"×16"×27"	40.5"×17.3"×37.8"	40.5"×17.3"×37.8"	
Net Weight/Gross Weight(Lb)	73/84	86/93	143/154	143/154	
Refrigerant Charge (lb)	R410A/2.12	R410A/2.6	R410A/4.4	R410A/5.6	
Design Length(ft)	24.6	19.2	24.6	24.6	
Design Pressure High/Low (PSIG)	465/252	495/252	652.5/290	594/160	
Extra Refrigerant Charge Per feet above design length(oz/ft)	0.3	0.3	0.5	0.5	
Outer Diameter Liquid Pipe(inch)	1/4"	1/4"	3/8"	3/8"	
Outer Diameter Gas pipe(inch)	1/2"	1/2"	5/8"	5/8"	
Max Distance Height(ft)	16.40	16.40	16.40	16.40	
Max Distance Length(ft)	32.80	32.80	50.00	50.00	
Connection Pipe					

Soleus International, Inc. certifies that the capacity and SEER values shown are calculated using the methodology approved by the U.S. Department of Energy as specified in Section 430.23(M) of 10cfr Part 430. The calculation procedure utilizes the test data collected in accordance with ARI Standard 210/240-89 and has been validated by an independent test in accordance with DOE standards.



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