

## KSIN Series HEAT PUMP

Klima Model No.			KSIN009-H115	KSIN009-H215	KSIN012-H115	KSIN012-H215	KSIN018-H215	KSIN024-H215
Capacity		Btu/h	9000	9000	12000	12000	18000	22000
Cooling	EER	Btu/W	9	9	9	9	9	9
	SEER		15	14,5	15	15	15	15
Heating	Capacity	Btu/h	9000	9000	12000	12000	18000	22000
	HSPF		8,2	8,2	8,2	8,2	8,2	8,2
Power supply		V / ph / Hz	115 / 60	208-230V / 1 / 60Hz	115 / 60	208-230V- 60Hz, 1Ph	208-230V- 60Hz, 1Ph	208-230V- 60Hz, 1Ph
Minimum Circuit Ampacity		A	19	7,5	20	7,5	12	15
Max. Fuse Size		A	30	15	30	15	20	25
Moisture Removal		pint/h	2,23	2,23	2,75	2,75	4,12	5,49
Compressor	Model		DA108X1C-23EZ	DA108X1C-23EZ	DA108X1C-23EZ	DA108X1C-23EZ	DA130M1C-31FZ	DA150S1C-20FZ
	Brand		GMCC	GMCC	GMCC	GMCC	GMCC	GMCC
	Type		ROTARY	ROTARY	ROTARY	ROTARY	ROTARY	ROTARY
	Model		YDK24-6AS	YDK24-6KB	YDK24-6AS	YDK24-6GB	YDK49-6B	YDK53-6FB(B)
	Brand		Welling	Welling	Welling	Welling	Welling	Welling
Outdoor fan motor	Input	W	64/47	70/60	64/47	75/66	119/96	136/130
	Capacitor	uF	3	2.5 / 6.0	3	2.5 / 6.0	2,5	2,5
	Speed	r/min	860 / -- / 660	890 / -- / 770	860 / -- / 660	940 / -- / 835	860 / -- / 680	930 / -- / 830
Outdoor air flow		cfm	824	971	824	1118	1354	1589
Outdoor noise level		dB(A)	56	56	55	57	59	60
Indoor fan motor	Model		RPG15A	RPG13B	RPG15A	RPG20B	RPG28H	RPG45B
	Brand		Welling	Welling	Welling	Welling	Welling	Broad-ocean
	Input	W	46	32,5	46	43	58,5	80,5
	Capacitor	uF	3	1,2	3	1,5	1,5	3
	Speed (Hi/Mi/Lo)	rpm	1200 / 1050 / 850	1100 / 900 / 800	1200 / 1050 / 800	1200 / 1050 / 800	1250 / 1100 / 800	1200 / 1100 / 900
Indoor air flow (Hi/Mi/Lo)		cfm	282/247/188	294/241/212	341/294/235	353/312/235	441/388/282	736/677/559
Indoor noise level (Hi/Mi/Lo)		dB(A)	39/35/29	38/31/29	39/35/29	39/35/31	42/39/31	49/45/39
Outdoor unit	Dimension(W*D*H)	in	25.98x10.43x21.26	27.56x9.45x21.26	25.98x10.43x21.26	30.71x9.84x21.26	29.92x11.22x23.23	33.27x12.60x27.56
	Packing (W*D*H)	in	31.10x13.98x24.41	32.09x12.80x22.83	31.10x13.98x24.41	35.83x13.19x23.03	34.92x13.98x25.39	37.99x15.55x29.72
	Net/Gross weight	lb	63.8 / 70.4	59.4 / 62.7	66 / 70.4	66 / 70.4	82.5 / 88	103.4 / 111.1
Indoor unit	Dimension(W*D*H)	in	26.77x7.01x10.04	26.77x7.01x10.04	30.31x7.40x10.04	30.31x7.40x10.04	35.63x7.80x10.83	40.55x8.58x12.40
	Packing (W*D*H)	in	29.33x10.04x12.99	29.33x10.04x12.99	32.87x10.43x12.99	32.87x10.43x12.99	38.19x10.63x13.58	43.90x15.55x11.81
	Net/Gross weight	lb	15.4 / 17.6	15.4 / 17.6	16.5 / 20.9	16.5 / 20.9	19.8 / 25.3	26.4 / 33
Refrigerant type		g	R410A/900g	R410A/680g	R410A/950g	R410A/910g	R410A/1200g	R410A/1600g
Refrigerant type		oz	R410A/31.8	R410A/23.99	R410A/33.57	R410A/32.1	R410A/42.3	R410A/56.44
Design pressure		psig	550/340 PSIG	550/340 PSIG	550/340 PSIG	550/340 PSIG	550/340 PSIG	550/340 PSIG
(1*) (2*) Refrigerant pipe	Liquid side/ Gas side	in	1/4" / 3/8"	1/4" / 3/8"	1/4" / 1/2"	1/4" / 3/8"	1/4" / 1/2"	3/8" / 5/8"
	Max. refrigerant pipe length	ft	65,6	65,6	65,6	65,6	82	82
	Max. difference in level	ft	26,24	26,24	26,24	26,24	32,8	32,8
Connection wire size	AWG / # of		16# (Optional)/4	16# (Optional)/4	16# (Optional)/4	16# (Optional)/4	16# (Optional)/4	16# (Optional)/4
Operation temperature	Indoor(cooling/ heating)	°F	63 / 86	63 / 86	63 / 86	63 / 86	63 / 86	63 / 86
	Outdoor(cooling/heating)	°F	32 ~ 122/5~86	32 ~ 122/5~86	32 ~ 122/5~86	32 ~ 122/5~86	32 ~ 122/5~86	32 ~ 122/5~86
(3*) Operation temperature with low temperature cooling system	Indoor(cooling/ heating)	°F	63/ 86	63/ 86	63/ 86	63/ 86	63/ 86	63/ 86
(4*)	Outdoor(cooling/heating)	°F	5 ~ 122/5~86	5 ~ 122/5~86	5 ~ 122/5~86	5 ~ 122/5~86	5 ~ 122/5~86	5 ~ 122/5~86
Application area		sq. ft.	350-400	450-550	450-550	450-550	700-1000	900-1500

Continued product improvement is our goal at Klima Products, Inc. Hence, specifications and data listed herein are subject to change without notice and without obligation on our part.

Allways comply with local, state, and national electrical codes. Visit us at [www.klima.com](http://www.klima.com)

\* 1 - Minimum 10 ft line set recommended.

\* 2 - Outdoor unit being elevated than the indoor unit oil trap should be installed every 17 ft to 23 ft (5 to 7 m)

\* 3 - Factory installed only, not field option

\* 4 - Units may operate in heating mode when ambient conditions reach down to 5° F.

C12IN1302

