



TECHNICAL SPECIFICATION

KIWQ/KOIQ 5TH GENERATION SINGLE ZONES SYSTEMS

Klimaire Model Number		KIWQ09H1-45T KOIQ09H1-45T	KIWQ12H1-45T KOIQ12H1-45T	KIWQ12H2-45T KOIQ12H2-45T	KIWQ18H2-45T KOIQ18H2-45T	KIWQ24H2-45T KOIQ24H2-45T	KIWQ36H2-45T KOIQ36H2-45T	
MPN		Z2U20101009678	Z2U20101009719	Z2U20101009720	Z4U20101032084	Z2U20101009715	Z2U20101009717	
Power supply		115V / 1ph / 60Hz	115V / 1ph / 60Hz	208-230V / 1 ph / 60Hz	208-230V / 1 ph / 60Hz	208-230V / 1 ph / 60Hz	208-230V / 1 ph / 60Hz	
Cooling Capacity	Rated @ 95°F / 35°C	9,000	12,000	12,000	18,000	23,000	36,000	
	Capacity Range	2,400~11,000	2,500~12,500	2,500~12,500	4,000~19,000	4,700~25,000	7,500~36,000	
	EER2 @ 95°F / 35°C	13.0	13.0	13.0	12.5	12.0	9.0	
	SEER2	24.0	23.0	24.0	23.0	23.0	19.0	
	Range	2,400~11,000	2,500~15,000	2,500~15,000	4,000~21,000	4,700~26,500	7,500~36,000	
Heating Capacity	Rated @ 47°F / 8.3°C	10,000	12,400	12,600	19,000	25,000	36,000	
	Rated @ 17°F / -8.3°C	6,200	7,800	8,100	11,000	14,000	21,800	
	HSPF2 Rating (Region IV)	10	10	10	9.5	9.5	9	
	HSPF2 Rating (Region V)	8.6	8.6	8.6	8.2	8.2	7.7	
	COP2 @ 47°F / 8.3°C	3.81	3.81	3.81	3.81	3.41	3.15	
	Maximum Capacity @ 5°F / -15°C	7,500	8,900	9,100	13,600	18,600	20,400	
	5° F Heating Ratio	75%	72%	72%	72%	74%	57%	
	COP2 @ 5°F / -15°C	2.1	2.1	2.1	1.8	1.8	2.1	
	Maximum Capacity @ -4°F / -20°C	6,400	8,000	8,100	11,000	15,600	16,800	
	Maximum Capacity @ -13°F / -25°C	5,000	6,680	6,680	9,200	13,800	/	
Rated Power	Cooling	W	960	970	1,390	1,860	3,850	
	Heating	W	730	945	925	1,360	2,000	3,350
Rated Current	Cooling	A	6.1	8.5	4.4	6.2	8.3	17.4
	Heating	A	6.5	8.4	4.2	6.1	9.0	15.2
Certifications	NEEP, Canada	Yes	Yes	Yes	Yes	Yes	Yes	
	Energy Star	Yes	Yes	Yes	Yes	Yes	No	
	Quebec	Yes	Yes	Yes	Yes	Yes	Yes	
	Nova Scotia	Yes	Yes	Yes	Yes	Yes	Yes	
Minimum Circuit Ampacity	A	15.0	16.0	11.0	12.0	17.0	18	
Maximum Fuse Size	A	20	25	15	20	25	30	
Moisture removal	l/h	1.1	1.6	1.6	2.2	2.6	3	
Maximum Allowed Pressure	Mpa	5.0	5.0	5.0	5.0	5.0	5.0	
Indoor Noise Level @ Cooling	Turbo/High/Med./Low/Mute	dB(A)	43/40/33/31/30	46/44/36/32/30	46/44/36/32/30	50/47/43/38/34	50/47/43/38/34	52/49/43/38/36
Outdoor noise level		dB(A)	50	52	52	53	54	63
Connecting Pipe	Gas / Liquid	in	3/8" / 1/4"	3/8" / 1/4"	3/8" / 1/4"	1/2" / 1/4"	5/8" / 1/4"	5/8" / 1/4"
	Connecting Wiring	Size x Core number	4x16AWG	4x16AWG	4x16AWG	4x16AWG	4x16AWG	4x16AWG
Power Cord	Core number	14AWG	14AWG	14AWG	14AWG	12AWG	12AWG	
Suitable area	sq.ft	Up to200	Up to 280	Up to 280	Up to 380	Up to 480	Up to 646	
Indoor air circulation	Turbo/Hi/Mid/Lo/Mute	m ³ /h	554/480/400/320/260	850/800/700/550/350	850/800/700/550/350	1,250/1,150/900/720/670	1,250/1,150/900/720/670	1,440/1,200/1,000/800/700
		cfm	326/282/235/188/153	500/470/411/323/205	500/470/411/323/205	735/676/529/423/394	735/676/529/423/394	847/705/588/470/412
Refrigerant	Type	Type	R454B	R454B	R454B	R454B	R454B	
	Charge	g / oz	710 / 25.04	1,000 / 35.27	1,000 / 35.27	1,290 / 45.5	1,560 / 55.03	1,580 / 55.7
Net dimensions (W x D x H)	Indoor	mm	820x306x195	920x306x195	920x306x195	1,097x332x222	1,097x332x222	1,191x360x258
		in	32-1/4" x 12" x 7-5/8"	36-1/4" x 12" x 7-5/8"	36-1/4" x 12" x 7-5/8"	43-1/4" x 13" x 8-3/4"	43-1/4" x 13" x 8-3/4"	46-7/8" x 14-1/8" x 10-1/4"
	Outdoor (With valve cover)	mm	810x305x549	810x305x549	810x305x549	927x380x699	978x421x803	978x421x803
Net weight	Indoor	kg / lb	9.4 / 20.7	10.5 / 23.1	10.5 / 23.1	14 / 30.9	14 / 30.9	18 / 39.7
	Outdoor	kg / lb	24.3 / 53.5	26.5 / 58.4	26.5 / 58.4	41 / 90.4	47.5 / 104.7	48 / 105.8
Indoor Packing dimensions (W x D x H)	mm	890x380x265	990x380x265	990x380x265	1,165x405x295	1,165x405x295	1,260x430x328	
	in	35" x 15" x 10-1/2"	39" x 15" x 10-1/2"	39" x 15" x 10-1/2"	45-7/8" x 16" x 11-5/8"	45-7/8" x 16" x 11-5/8"	49-5/8" x 16-7/8" x 12-7/8"	
Outdoor Packing dimensions (W x D x H) (without pipe)	mm	835x328x575	835x328x575	835x328x575	950x420x732	1022x480x835	1022x480x835	
	in	32-7/8" x 12-7/8" x 22-5/8"	32-7/8" x 12-7/8" x 22-5/8"	32-7/8" x 12-7/8" x 22-5/8"	37-3/8" x 16-1/2" x 28-7/8"	40-1/4" x 18-7/8" x 32-7/8"	40-1/4" x 18-7/8" x 32-7/8"	
Gross weight	Indoor	kg / lb	11.4 / 25.1	14 / 30.9	14 / 30.9	16 / 35.3	16 / 35.3	22 / 48.5
	Outdoor (without pipe)	kg / lb	27.3 / 60.2	29.5 / 65.0	29.5 / 65.0	45 / 99.2	51.5 / 113.5	52 / 114.6
Factory Precharge Line	m / ft	7.5 / 25	7.5 / 25	7.5 / 25	7.5 / 25	7.5 / 25	7.5 / 25	
Maximum Line Length	m / ft	15 / 49	15 / 49	15 / 49	20 / 65	20 / 65	30 / 98	
Maximum Height Difference Between Indoor and Outdoor	m / ft	10 / 33	10 / 33	10 / 33	15 / 49	15 / 49	20 / 65	
Additional refrigerant charge	g/m oz/ft	10 / 0.11	10 / 0.11	10 / 0.11	10 / 0.11	10 / 0.11	10 / 0.11	
Operating temperature	°C	16~31	16~31	16~31	16~31	16~31	16~31	
	°F	>=17 / <=30	>=17 / <=30	>=17 / <=30	>=17 / <=30	>=17 / <=30	>=17 / <=30	
Ambient temperature	Indoor(cooling/ heating)	°C	-15~55 / -25~30	-15~55 / -25~30	-15~55 / -25~30	-15~55 / -25~30	-15~55 / -25~30	
	Outdoor(cooling/heating)	°C	-15~55 / -25~30	-15~55 / -25~30	-15~55 / -25~30	-15~55 / -25~30	-15~55 / -20~30	
	Indoor(cooling/ heating)	°F	62~89 / 32~86	62~89 / 32~86	62~89 / 32~86	62~89 / 32~86	62~89 / 32~86	
	Outdoor(cooling/heating)	°F	5~131 / -13~86	5~131 / -13~86	5~131 / -13~86	5~131 / -13~86	5~122 / -4~86	

Continued product improvement is our goal at Klimaire Products, Inc. Hence, specifications and data listed herein are subject to change without notice and without obligation on our part. Always comply with local, state, and national electrical codes.

1 - Minimum recommended line set length: 10ft

