QUIET-ONE 2000
KICKSPACE HEATERS

MODELS
KS 2004, KS 2006,
KS 2008, KS 2010

SUBMITTAL DATA INFORMATION

Engineering Specifications

Construction. The one piece chassis with removable grille is manufactured from high grade zinc coated steel. The grille and exposed parts of the chassis are painted with a copper/brown baked enamel finish.

Heat Exchanger. A highly efficient, headered coil, made of copper tubes expanded into smooth aluminum plate fins (10 FPI), tested at 300 PSI, and sealed for quality. The heat exchanger is positioned in the kickspace for maximum heat transfer over the coil.

Fan and Motor Assembly. High spec tangential SEL fan and motor assembly consists of high static fan wheel and scroll, detachable motor, replaceable "easy glide" sleeve bearings, and the fan and motor cut out are protected to UL/CSA specifications. This fan and motor assembly is designed to enhance the "coanda" effect, and to run whisper quiet without vibration.

Controls. The KS units have integral two speed, max.-off-min., fan switches (optional wall mounted fan speed controller is available). The LTC — low limit aquastat is also a high spec item with a close tolerance designed to close on a rise to 130°F+/-3°F and open at 110°F+/-3°F. For low temperature systems you will have to change out the aquastat located in the main electrical box easily removed from its hold on clip.

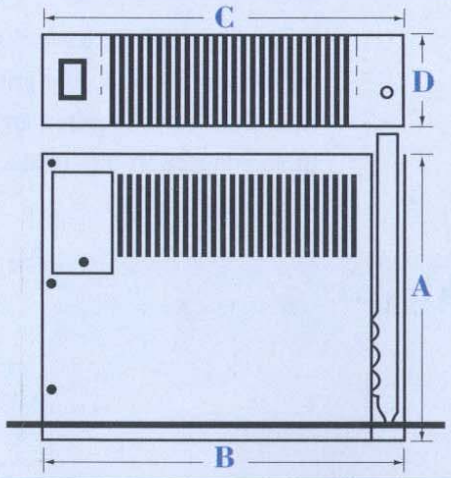
Water Connections. Supply and return connections are 1/2" sweat connections located to the right of the unit as you face the grille. A water vent with wide convenient screwdriver slot is accessible through the grille.

Electrical Connections. 120/60/1 power supply is required. All that's required is to knock out the junction box hole you want to use and wire to the L1 and L2 leads. There is a convenient one screw access plate on the top of the unit to get at the ground.

Quiet Comfort! Performance and Style!

Dimensions

Model #	A	B	C	D	Wt.(lbs.)
KS 2004	10⅞"	13⅞"	13⅞"	3½"	9
KS 2006	10⅞"	13⅞"	20"	3 13/16"	10
KS 2008	10⅞"	13⅞"	20"	3 13/16"	10
KS 2010	14 13/32"	17 23/32"	23⅝"	4"	14



Fan Convector/Baseboard Comparison

At 200°F EWT; 20°TD Model#	At 650 BTU/FT Baseboard	Low Pressure Steam C.I. Radiators
KS 2004	6.97 linear ft.	18.9 square ft.
KS 2006	11.6 linear ft.	31.4 square ft.
KS 2008	14.5 linear ft.	39.3 square ft.
KS 2010	17.8 linear ft.	48.0 square ft.

Capacity for the Quiet-One 2000 Kickspace Heaters - BTU/HR @ 65°F Entering Air

Unit	Flow Rate G.P.M.	Pressure Drop (ft.)	Entering Water Temperature (Deg. F.) - BTU/hrs.								
			130	140	150	160	170	180	190	200	210
KS 2004	1	0.06	2095	2410	2700	3000	3350	3650	3860	4000	4105
	3	0.422	2240	2650	3000	3350	3765	4120	4350	4530	4635
	5	1.026	2350	2755	3140	3530	3940	4330	4590	4810	4935
KS 2006	1	0.12	3410	4050	4655	5265	5860	6330	6700	7110	7270
	3	1.19	3735	4395	5060	5735	6330	6825	7120	7530	7790
	5	2.6	3860	4540	5225	5910	6560	7030	7415	7800	8010
KS 2008	1	0.12	4300	5000	5765	6500	7370	7960	8400	8735	8920
	3	1.19	4580	5380	6195	7050	7930	8610	9010	9445	9740
	5	2.6	4760	5625	6450	7290	8200	8925	9360	9785	10020
KS 2010	1	0.41	5530	6350	7150	7975	8780	9465	9975	10330	10520
	3	2.78	5880	6710	7740	8710	9625	10540	11060	11530	11740
	5	3.92	6070	7030	8000	9030	10025	10920	11525	11995	12180

- All capacities are rated by RTS with the kickspace installed under a cabinet. That is, they are not rated in free air.
- For low speed ratings use: .85 for the KS2004, .75 for the KS2006, .70 for the KS2008, and .65 for the KS2010.
- Heat throw: KS2004 = 10 ft. @ 50 CFM; KS2006 = 10 ft. @ 75 CFM; KS2008 = 10 ft. @ 90 CFM; KS2010 = 10 ft. @ 125 CFM.

As part of our continuous product improvement, Smith's Environmental Products reserves the right to alter specifications without notice.

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