Kickspace Electrical Connections

CAUTION! For Supply Connections, use wires suitable for at least 194°F (90°C).

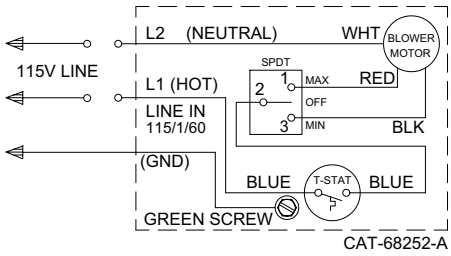
All electrical connections must conform to local and national codes.

A shaded pole motor is used to drive the Kickspace blower on 115 -120 V. 60 hz. Since current drain is very small, wiring codes for short circuit protection only will apply. The motor is connected in series with a normally open aquastat in contact with the heating element. Therefore, the blower runs only when unit is sufficiently hot and the switch is in the "min" or "max" position (not "off"). A ground screw is supplied with all units.

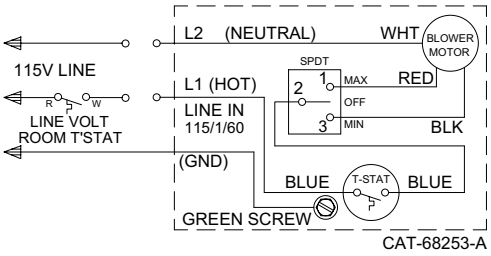
Electrical connections are to be made to all units following the diagrams below. Choose the diagram that best suits your application.

Since the blower runs on all Kickspace models only when the system circulator pumps hot water through the unit, simply connect it to the 115 V line. The blower then starts after a short warm-up, and stops a few minutes after the circulator shuts off (see Diagram 1).

Adding a line voltage type room thermostat will permit the setting of a maximum room temperature (see Diagram 2). This 'T' stat will only operate the kickspace unit. If the circuit or system circulator is not running, the kickspace heater will not operate.

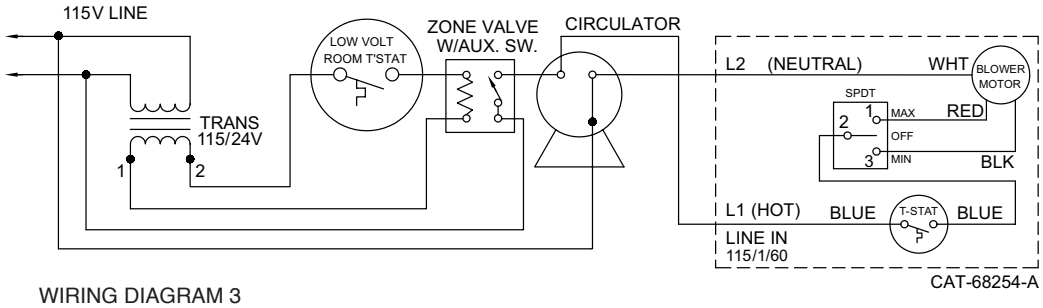


WIRING DIAGRAM 1



WIRING DIAGRAM 2

Connection through a circulator or zone auxiliary switch may also be used to permit instant shutdown of the blower as the circulator stops (see Diagram 3).



WIRING DIAGRAM 3

MOTOR INFORMATION						
MODEL	AMP	WATT	RPM	HP	VOLTAGE	CFM (HIGH SPEED)
K/T42	.50	30.7	3200	.034	115	53
K/T84	.50	30.7	3200	.034	115	103
K/T120	.74	66.8	3200	.068	115	127

FRICTION LOSS (HEAD)			
	K/T42	K/T84	K/T120
1 GALLON	.17'	.22'	.43'
2 GALLONS	.8'	.95'	1.45'
3 GALLONS	1.2'	1.5'	2.97'

MESTEK, INC.

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