

ADJUSTING THE ORIENTAL CONTROLLER FOR DESIRED GPH

Boiler Size	BTUs	GearHead	RPM's	Voltage	GPH
KBB-80	84,000	5:1	103	10.2	.56
KBB-110	112,000	5:1	137	13.2	0.75
KBB-150	150,000	5:1	183	17	1.00 *
KBB-200	208,000	5:1	255	22.7	1.39
KBB-240	238,000	5:1	291	25.3	1.59
KBB-300	294,000	5:1	345	29	1.96
KBB-350	350,000	3:1	427	22.7	2.33
KBB-400	420,000	3:1	450	23.9	2.80 **
KBB-500	500,000	3:1	470	25	3.33

* Set in house meter to 13

** Set in house meter to 08

You will need a voltage tester set to read AC volts. Place the leads on the two poles with small blue wires (poles 10 & 11). With the motor running, adjust the speed pot with a mini standard screwdriver to bring the volts to the specs allowed for your size system. This is labeled and on the end of the speed controller next to the GREEN LED light. **ONLY ADJUST THE SPEED POT!** The others are factory set.

1. Reverse Red and White wires from motor on the controller; white to #5, Red to #6.
2. Set accel pot at 25%.
3. Install thin jumper wire on S4 and S5.
4. Remove labels from motor and gearbox and printing on top of controller.
5. Install label on motor controller stating model to which it was calibrated.

