

**Allen-Bradley PowerFlex4 INVERTER PROGRAM, STD. HAK KETTLES**

<b>PARAMETER</b>	<b>PARAMETER NAME</b>	<b>MIN / MAX</b>	<b>FACTORY DEFAULT</b>	<b>CUSTOMER SETTINGS</b>
P031	LINE VOLTAGE	20 / DRIVE RATED VOLTS	DRIVE RATING	UNIT VOLTAGE
P032	MOTOR FREQUENCY	10/ 240 Hz	60 Hz	60 HZ
P033	MOTOR OL CURRENT	0.0 / DRIVE RATED AMPS x2	DRIVE RATING	MOTOR CURRENT ON NAME PLATE
P034	MINIMUM FREQUENCY	0.0 / 240 Hz	0 Hz	12 Hz
P035	MAXIMUM FREQUENCY	0.0/ 240 Hz	60 Hz	SEE NOTE 3
P036	START SOURCE	0 - 5	0	1
P037	STOP MODE	0 - 7	0	0
P038	SPEED REFERENCE	0 - 5	0	2
P039	ACCEL TIME	0.0 / 600 SEC	10 SEC	6 SEC
P040	DECELERATION TIME	0.1 / 600 SEC	10 SEC	1 SEC
P043	MOTOR OL RET	0 / 1	0	0
P041	RESET TO DEFAULTS	0 / 1	0	0
A055	RELAY OUT SELECT	0 - 21	0	2

**NOTES:**

1. FACOTRY DEFAULTS ARE SHOWN FOR A 60 HZ BASE FREQUENCY.
2. PARAMETERS NOT LISTED ON THIS SHEET SHOULD REMAIN IN THEIR DEFAULT CONDITIONS
3. MAXIMUM FREQUENCY SETTINGS FOR THE KETTLES ARE LISTED BELOW:

<b>KETLLE SIZE</b>	<b>MAX HERTZ SETTINGS</b>
60 GALLON HAK	65 HZ
100 GALLON HAK	65 HZ
150 & 200 GALLON HAK	60 HZ
300 GAL HAK	60 HZ

**BOOST SETTINGS ARE SET DEPENDING ON THE LOAD: THIS UNIT HAS VARIABLE BOOST SETTINGS (0 - 14) BOOST CAN BE ADJUSTED IF THE UNIT TRIPS OUT. MAKE ADJUSTMENTS BY A FACTOR OF ONE UNTIL THE DRIVE WORKS CORRECTLY. THIS PARAMETER IS "A453"**