

Parameters – PowerFlex 525 3P 460V .50HP

#	Name	Value	Units
---	------	-------	-------

P34	Motor NP FLA	1.0	
-----	--------------	-----	--

P36	Motor NP RPM	1800	
-----	--------------	------	--

P37	Motor NP Power	.37	
-----	----------------	-----	--

P39	Torque Perf Mode	0	V/Hz
-----	------------------	---	------

P41	Accel Time 1	18	Sec [Can be 10 to 25 Sec]
-----	--------------	----	---------------------------

P42	Decel Time 1	0.50	Sec
-----	--------------	------	-----

P44	Maximum Freq	120.00	Hz
-----	--------------	--------	----

P45	Stop Mode Ramp	4	
-----	----------------	---	--

P46	Start Source 1	DigIn TrmBlk 2	
-----	----------------	----------------	--

P47	Speed Reference1	0–10V input 5	
-----	------------------	---------------	--

P49	Speed Reference2	Drive Pot 1	
-----	------------------	-------------	--

P50	Start Source 3	DigIn TrmBlk 3	
-----	----------------	----------------	--

T105	Safety Open En	FaultDisable 1	
------	----------------	----------------	--

C128	EN Addr Sel	Parameters 1	
------	-------------	--------------	--

C129	EN IP Addr Cfg 1	192	
------	------------------	-----	--

C130	EN IP Addr Cfg 2	168	
------	------------------	-----	--

C131	EN IP Addr Cfg 3	50	
------	------------------	----	--

C132	EN IP Addr Cfg 4	75	
------	------------------	----	--

C133	EN Subnet Cfg 1	255	
------	-----------------	-----	--

C134	EN Subnet Cfg 2	255	
------	-----------------	-----	--

C135	EN Subnet Cfg 3	255	
------	-----------------	-----	--

A427	MOP Freq	0.00	Hz 0
------	----------	------	------

A083095

A

THIS DRAWING IS THE PROPERTY OF BUTLER AUTOMATIC INC. IT SHALL NOT BE COPIED IN WHOLE OR PART NOR REPRODUCED. IT SHALL BE PROMPTLY RETURNED TO BUTLER AUTOMATIC INC. UPON REQUEST.

Parameters – PowerFlex 525 3P 460V .50HP

#	Name	Value	Units
---	------	-------	-------

A434	DC BRAKE TIME	2.0	Sec
------	---------------	-----	-----

A435	DC BRAKE LEVEL	0.9	Amperes
------	----------------	-----	---------

A437 DB Resistor Sel 3% DutyCycle % 3
DISABLE IF RESISTOR IS NOT USED = 0

A496 – A500 CALCULATED BY AUTO TUNE
SHOWN FOR REFERENCE ONLY. SVC Mode Only

#	Name	Value	Units
---	------	-------	-------

A496	IR Voltage Drop	20.8	VAC
------	-----------------	------	-----

A497	Flux Current Ref	0.39	Amperes
------	------------------	------	---------

A498	Motor Rr	37.02	Ohm
------	----------	-------	-----

A500	Motor Lx	238.3	mH
------	----------	-------	----

1/2HP MOTOR 1/2HP DRIVE

 BUTLER AUTOMATIC INC. Middleboro MA		TITLE PARAMETERS	
USED ON STD		SP3H POWERFLEX 525	
INDEX N/A	SCALE NONE		
DRAWN BY JL 10/10/16			
CHECKED BY			
SIMILAR TO		A083095 A	

A083095

A

THIS DRAWING IS THE PROPERTY OF BUTLER AUTOMATIC INC. IT SHALL NOT BE COPIED IN WHOLE OR PART NOR REPRODUCED. IT SHALL BE PROMPTLY RETURNED TO BUTLER AUTOMATIC INC. UPON REQUEST.

Using the Drive Keypad Interface to Access Parameters

The following is an example of basic integral keypad and display functions. This example provides basic navigation instructions and illustrates how to program a parameter.

Step Key(s) Example Display

1. When power is applied, the last user-selected Basic Display Group parameter number is briefly displayed with flashing characters. The display then defaults to that parameter's current value. (Example shows the value of b001 [Output Freq] with the drive stopped.)
2. Press Esc to display the Basic Display Group parameter number shown on power-up. The parameter number will flash.
3. Press Esc to enter the parameter group list. The parameter group letter will flash.
4. Press the Up Arrow or Down Arrow to scroll through the group list (b, P, t, C, L, d, A, f, N, M, and Gx).
5. Press Enter or Sel to enter a group. The right digit of the last viewed parameter in that group will flash.
6. Press the Up Arrow or Down Arrow to scroll through the parameter list.
7. Press Enter to view the value of the parameter.
- Or
Press Esc to return to the parameter list.
8. Press Enter or Sel to enter Program Mode and edit the value. The right digit will flash and the word Program on the LCD display will light up.
9. Press the Up Arrow or Down Arrow to change the parameter value.
10. If desired, press Sel to move from digit to digit or bit to bit. The digit or bit that you can change will flash.

11. Press Esc to cancel a change and exit Program Mode.

Or

- Press Enter to save a change and exit Program Mode.

The digit will stop flashing and the word Program on the LCD display will turn off.

12. Press Esc to return to the parameter list. Continue to press Esc to back out of the programming menu.

13. Finish with parameter B001 to display Hertz.

If SVC Mode [P039 = 1] is used,

Run Static Auto tune.

Remove run signal to drive.

Set parameter P040=1 then enable drive.

 BUTLER AUTOMATIC INC. Middleboro MA		TITLE	
		PARAMETERS	
USED ON		STD	
INDEX	N/A	SCALE	NONE
DRAWN BY	JL	10/10/16	
CHECKED BY			
SIMILAR TO			
		SP3H POWERFLEX 525 A083095 A	