

TB255 (Rev1) - Yaskawa VS-616G3 Inverter Setup

Setup parameters on Yaskawa Inverter

Objective

The purpose of this document is to provide the information needed to correctly setup the Yaskawa inverter for a Centroid CNC control.

Yaskawa VS-616G3 Inverter Settings

Parameter No.	Value	Units	Description
bn-01	3	sec	Acceleration Time
bn-02	1-5 depending upon braking resistor	sec	Deceleration Time
Sn-03	0000 - Set and read parameters 1110 - Master reset (2 wire)		Password parameter selection / initialization
Sn-04	0000 - Master frequency reference by analog input. External terminal operation. Ramp to stop.		Operation method select Stopping method select
Cn-01	Depends on input voltage	VAC	Input voltage
Cn-02	Must be set with tach to match max spindle speed	Hz	Maximum Frequency
Cn-03	Depends on motor	VAC	Maximum voltage
Cn-09	Depends on motor	A	Motor current
All other parameters	are set to factory	default	

Wiring connections

L1 (R), L2 (S), L3 (T) - 3 phase power in

1 - Forward

2 - Reverse run

4 - Fault reset.

11 - Input common

13 - Master speed frequency reference. (0-10vdc)

17 - Frequency reference common.

18 - Fault output (normally open).

20 - Fault output common.

T1 (U), T2 (V), T3 (W) - Motor voltage out

B1/+, B0/- - Braking resistor.

Document History

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