



DART CONTROLS' NEW BRUSHLESS DC DRIVE: DELIVERING PERFORMANCE AND RELIABILITY

**THE COMBINATION OF BROTHER BRUSHLESS DC GEARMOTORS
WITH DART CONTROLS' NEW BRUSHLESS DC DRIVE
DELIVER APPLICATION FLEXIBILITY AND YEARS OF PERFORMANCE**



Performance-Matched Drives for Brother Fractional HP Brushless DC Gearmotors

Dart Controls' new Brushless DC Drives allow for fine tuning the run speeds for applications that demand heightened control.

Dart Controls' Brushless DC Drives allow flexibility for the application of Brother Brushless DC gearmotors where quiet operation, precise regulation, reduced energy consumption, direction control and high duty cycle are required.

Dart Brushless DC Drives and Brother Brushless DC Gearmotors are typically found in medical equipment, food processing, packaging, precision pumping, and portable equipment applications where durability and efficient performance are a must.

Benefits to using Dart's new Brushless DC drive:

Quality

- Same Brother quality
- 2 year limited warranty
- Available for immediate shipping from our US facility

Cost Efficient

- Optimized for Brother's sub-fractional gearmotors
- Competitively priced
- Extended system life expectancy – no brushes to maintain
- Fewer components with better control

Delivery

- US location with overnight delivery available
- In-Stock and ready to ship

Ease of Doing Business

- Single-source responsibility
- Downloadable CAD drawings
- Post-sales support

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Drives for Sub-Fractional Brother Brushless DC Motors



Dimensions

Model	Width	Length	Height	Weight
(700BDC)	3.63"	4.25"	1.30"	0.76 lbs
(731BDC)	3.63"	4.25"	1.30"	0.88 lbs
(711ADC)	3.62"	7.00"	1.70"	1.31 lbs

Specifications

Model	Voltage	Current	Regulation	Switching	RoHS	Reversing	Braking	Inhibit
(700BDC)	12-36VDC	5A	Open Loop	16 kHz	YES	YES	NO	YES
(731BDC)	12-48VDC	7.5A	Closed Loop	16 kHz	YES	YES	YES	YES
(711ADC)	12-48VDC	20A	Closed Loop	16kHz	YES	YES	NO	YES



General Specifications

Ambient Temperature:	0-45 °C
Connections:	Terminal Strip
Speed Pot Kit:	Included
Adjustments:	All models - Minimum, Maximum and Current Limit

Available Options

Serial Communications:	Modbus RTU (731BDC only)
Additional Heat Sink:	Extends 731 to 9A continuous

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