



## Artisan Technology Group is your source for quality new and certified-used/pre-owned equipment

- FAST SHIPPING AND DELIVERY
- TENS OF THOUSANDS OF IN-STOCK ITEMS
- EQUIPMENT DEMOS
- HUNDREDS OF MANUFACTURERS SUPPORTED
- LEASING/MONTHLY RENTALS
- ITAR CERTIFIED SECURE ASSET SOLUTIONS

### SERVICE CENTER REPAIRS

Experienced engineers and technicians on staff at our full-service, in-house repair center

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### WE BUY USED EQUIPMENT

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**Contact us:** (888) 88-SOURCE | [sales@artisanng.com](mailto:sales@artisanng.com) | [www.artisanng.com](http://www.artisanng.com)

**1000/2000 Series****DRIVEBLOK® MODULE****120-460 VAC****0.5-5 Hp/1000 Series****7.5-20 Hp/2000 Series****Features**

- Features SensorlessServo™ control of brushless permanent magnet motors and three phase AC induction motors.
- Speed and Torque Mode operation
- Flying start for AC induction motor
- Line drop-out ride-through
- wInControl® PC based set-up utility
- Linear and s-curve acceleration profiles
- Flexible Digital Inputs and Outputs
- 4-20 mA Current Loop:  
Speed Ref, Torque Ref, Load limit
- +/- 10V Input:  
Speed Ref, Speed & Direction Ref, Torque Ref, Load limit
- Three Analog Outputs:  
Current, Torque, Torque Setpoint, Speed Set-Point, Speed, Frequency, Output voltage, Heatsink Temp, DC Link Voltage
- Eight Digital Inputs:  
Run Enable, External Fault, Run, Jog, Direction, Digital Pot Accel, Digital Pot Decel, Accel / Decel Select, Preset Speed Bits 0-2, Preset Teach, Local Mode, Auto-Tune, Open Loop Control, Coast Stop, Torque Mode, Analog Setpoint Source, Fault Clear, Start/Stop, Current Loop Disable, Run Fwd, Run Rev, Start Fwd, Start Rev, Analog Input Polarity
- Two High Speed Digital Inputs:  
Frequency Speed Ref, Duty Cycle Torque Ref, Frequency Torque Reference, Duty Cycle Speed Ref, Frequency Monitor, Duty Cycle Monitor
- Two Open Collector, Two Relay Outputs:  
At Speed, Run, Fault, Reverse, Overload Alert, Over Temperature Alert, Speed Detect Low, Speed Detect High, Torque Detect Low, Torque Detect Hi, Auto-Tune, Brake Actuate, Set High, Set Low, Fault
- Provision for directly connecting an external braking resistor.

**Specifications****Max. Frequency:**

- 434 Hz

**Min. Speed:**

- 1% of base speed, induction motor
- 3 to 5% of no load speed, BLDC

**Speed Regulation:**

- Typically +/- 1 RPM

**Speed Accuracy (0-rated load):**

- Typically +/- 0.1% w/ BDM +/- 0.5% w/ ADM, as % of base or no load speed\*

**Constant Torque Speed Range, induction motor:**

- 100:1

**Torque Response:**

- Typical 1.5 ms to 90% of commanded value

\* Actual results based on motor type, construction and application.

## DriveBlok® Technical Specifications

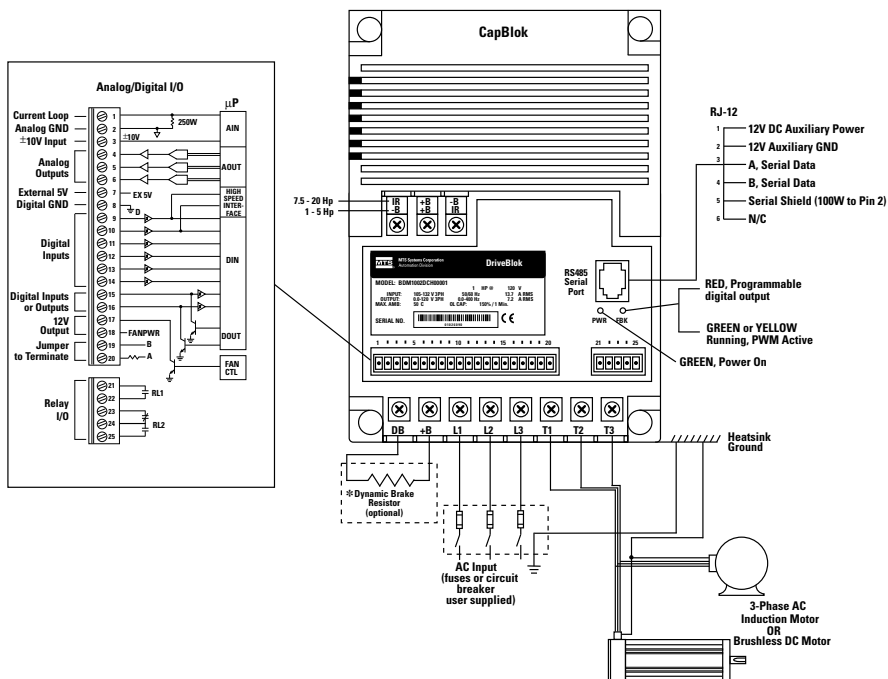
### 1000 Series

DriveBlok Module Type Number		1001C	1002C	1003C	1001D	1002D	1003D	1005D	1001E	1002E	1003E	1005E
<b>ADM, AC Induction Motor</b>												
AC Line Input Voltage	VAC	120V±10%			200/240V±10%				380/480V±10%			
Cont. Output Cur.(RMS)	Arms	4.0	7.2	10.4	3.6	6.8	9.6	15.2	1.8	3.4	4.8	7.6
	Hp	0.5	1.0	1.5	1	2	3	5	1	2	3	5
	kW	0.38	0.75	1.12	0.75	1.5	2.2	3.7	0.75	1.5	2.2	3.7
% Overload 1 min	%	150%	150%	150%	150%	150%	150%	150%	150%	150%	150%	150%
% Overload 3 sec	%	200%	200%	200%	200%	200%	200%	200%	200%	200%	200%	200%
<b>BDM Brushless PM Motor</b>												
Cont. Output Cur.(RMS)	Arms	4.0	7.2	10.4	3.6	6.8	9.6	15.2	1.8	3.4	4.8	7.6
Peak Output Cur.	Arms	8.0	14.4	20.8	6.8	13.6	19.2	30.4	3.6	6.8	9.6	15.2

### 2000 Series

DriveBlok Module Type Number		2007D	2010D	2007E	2010E	2015E	2020E
<b>ADM, AC Induction Motor</b>							
AC Line Input Voltage	VAC	200/240V±10%			380/480V±10%		
Cont. Output Cur.(RMS)	Arms	22	28	11	14	21	27
	Hp	7.5	10	7.5	10	15	20
	kW	5.6	7.5	5.6	7.5	11	15
% Overload 1 min	%	150%	150%	150%	150%	150%	110%
% Overload 3 sec	%	200%	200%	200%	200%	150%	130%
<b>BDM Brushless PM Motor</b>							
Cont. Output Cur.(RMS)	Arms	22	28	11	14	21	27
Peak Output Cur. (RMS)	Arms	44	56	22	28	31.5	36.5

## Connection Diagram



\* Consult Dynamic Brake Resistor Data Sheet for standard available sizes.





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