

Epsilon EP

230V NT Motor Selection

The NT motor is a high performance motor utilizing patented technology to maximize torque in a compact package. The NT motor uses powerful Neodymium magnets and is manufactured with a segmented core to maximize stator efficiency. The NT motor has a very low inertia for applications that demand high accel and cycle rates. NT motors are available in English (NEMA 23 or 34) or Metric (IEC-72-1) flanges, with or without brakes. The standard encoder resolution is 2048 lines per rev. NT motors can be ordered with MS style connectors, Flying Leads, or Flying Leads with MS or Drive Encoder connectors.

Order String

NT
x
x
xx
x
x
N
S
0000

↑

NT Motor Family

↑

Connector Type:

C = MS connectors on motor
T = Leads with connectors
L = Leads without connectors

↑

Frame Size (in inches): 2 or 3

↑

Mounting Flange: E = English, M = Metric

↑

Continuous Torque (lb-in): 07, 12, 20, 30, or 45

↑

Brake Option: B = with Brake,
O = No Brake

↑

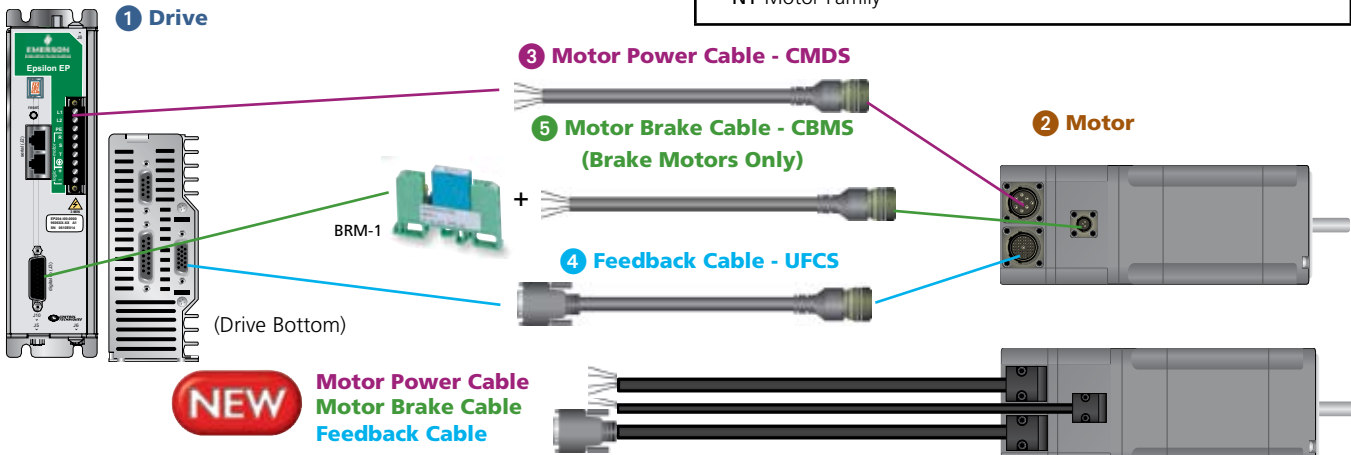
Inertia: S = Standard, I = Medium

↑

Encoder Feedback Type: Encoder

↑

Special Options: DPXX = DSUB
(DP = 15 pin, XX = feet)



Lower system costs with direct-connect cables.
Medium inertia options see NT Motor details.

Servo System Order Guide

Example: NTE-207-TONS-DP10

① Drive Model x=B,I,P cc=00, DN or PB	② Motor Model (x=Flange, y=Connector z=Brake, ww=Cable Length)	③ Motor Power Cable (xxx=feet)	④ Feedback Cable (xxx=feet)	⑤ Motor Brake Cable (required w/all brake motors) (xxx=feet)
EP202-xcc-EN00	NTx-207-yONS-0000	CMDS-xxx	UFCS-xxx	
	NTx-207-yBNS-0000	CMDS-xxx	UFCS-xxx	CBMS-xxx
	NTx-207-TzNS-DPww	Integrated	Integrated	Integrated
EP202-xcc-EN00	NTx-212-yONS-0000	CMDS-xxx	UFCS-xxx	
	NTx-212-yBNS-0000	CMDS-xxx	UFCS-xxx	CBMS-xxx
EP204-xcc-EN00	NTx-212-yONS-0000	CMDS-xxx	UFCS-xxx	
	NTx-212-yBNS-0000	CMDS-xxx	UFCS-xxx	CBMS-xxx
	NTx-212-TzNS-DPww	Integrated	Integrated	Integrated
EP206-xcc-EN00	NTx-320-yONS-0000	CMDS-xxx	UFCS-xxx	
	NTx-320-yBNS-0000	CMDS-xxx	UFCS-xxx	CBMS-xxx
	NTx-320-TzNS-DPww	Integrated	Integrated	Integrated
EP206-xcc-EN00	NTx-330-yONS-0000	CMDS-xxx	UFCS-xxx	
	NTx-330-yBNS-0000	CMDS-xxx	UFCS-xxx	CBMS-xxx
	NTx-330-TzNS-DPww	Integrated	Integrated	Integrated
EP206-xcc-EN00	NTx-345-yONS-0000	CMDS-xxx	UFCS-xxx	
	NTx-345-yBNS-0000	CMDS-xxx	UFCS-xxx	CBMS-xxx
	NTx-345-TzNS-DPww	Integrated	Integrated	Integrated
EP209-xcc-EN00	NTx-355-yONS-0000	CMDS-xxx	UFCS-xxx	
	NTx-355-yBNS-0000	CMDS-xxx	UFCS-xxx	CBMS-xxx
	NTx-355-TzNS-DPww	Integrated	Integrated	Integrated

Epsilon EP

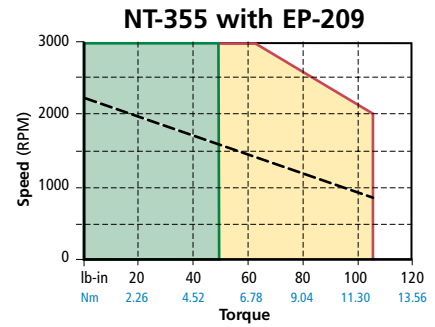
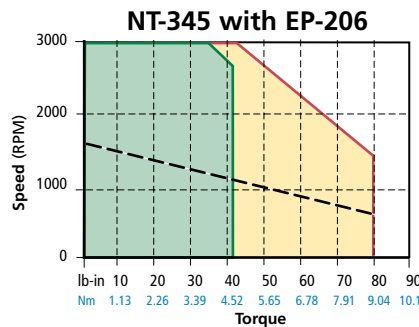
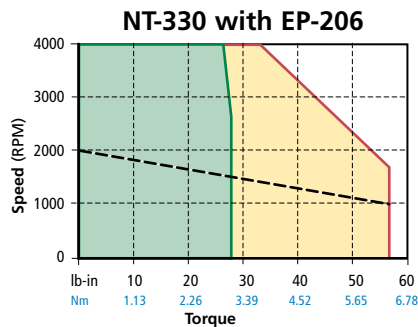
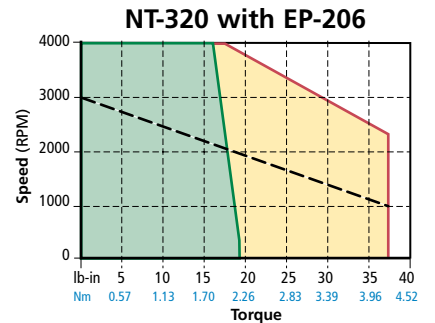
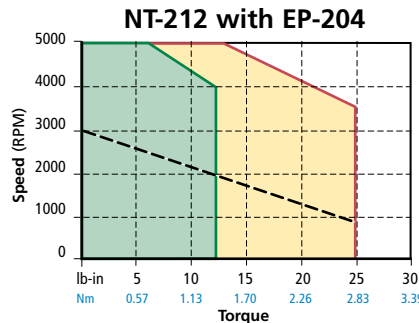
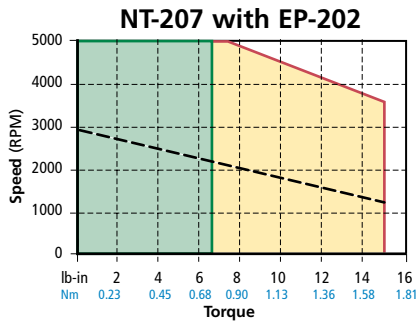
Epsilon EP - 230V NT Motor Specifications

Drive Model EP	Motor Model*	Cont. Stall Torque lb-in Nm	Peak Stall Torque lb-in Nm	Rated Torque @Rated Speed* lb-in Nm	Rated Power HP kWatts	Max.** Operating Speed RPM	Encoder Resolution lines/rev	Inertia lb-in-sec ² kg-cm ²	Motor Ke Vrms/ krpm	Motor Kt lb-in/Arms Nm/Arms	Motor Weight lb kg
-202	NT-207	7.5 0.85	15.00 1.69	7.50 0.85	0.60 0.44	5000	2048	0.000094 0.106	35	5.12 0.58	3.0 1.4
-204	NT-212	12.5 1.41	25.00 2.82	12.00 1.36	0.95 0.71	5000	2048	0.000164 0.185	35	5.12 0.58	4.0 1.8
-206	NT-320	18.5 2.1	37.00 4.18	16.00 1.81	1.02 0.76	4000	2048	0.000328 0.37	29	3.50 0.40	6.0 8.6
-206	NT-330	28.0 3.2	56.00 6.33	27.00 3.05	1.71 1.28	4000	2048	0.000438 0.494	36	5.04 0.57	7.3 3.3
-206	NT-345	42.0 4.75	80.00 9.04	36.00 4.07	1.71 1.28	3000	2048	0.000668 0.754	50	6.37 0.72	10.0 4.5
-209	NT-355	48.0 5.42	104.00 11.75	48.00 5.42	2.29 1.70	3000	2048	0.000888 1.002	50	6.32 0.71	12.3 5.6

*See order guide on previous page for complete motor model number.

**Rated Speed = Maximum Operating Speed

Epsilon EP - 230V NT Motor Speed Torque Curves



Legend

- Continuous Torque
- Peak Torque
- 120V Curve

SPECIFICATIONS

- Voltage 240 VAC
- Drive Frequency 10 kHz
- Ambient Temperature 25°C (77°F)
- Case Temperature 100°C (212°F)

All performance data listed above has a +/-10% tolerance and is subject to change at any time without notice. For more detailed information on performance data and test conditions please refer to the motor section of the catalog. For brake motor information, complete motor specifications and dimensions please refer to our motor section.

Epsilon EP

230V MG Motor Selection

The MG motor is a low inertia motor that is great for dynamic applications that have larger load inertias. MG motors use Neodymium magnets to achieve a high torque to inertia ratio giving them a size advantage when compared to competitors motors. MG motors are available in English (NEMA 23, 34, or 56) and Metric (IEC-72-1) flanges, with or without brakes. The standard encoder resolution is 2048 lines per rev. MG motors come standard with MS style connectors. Standard shaft seal provides IP65 rating.

Order String

MG x x xx C x N S 0000

↑

MG Motor Family

↑

Mounting Flange: E = English, M = Metric

↑

Frame Size (in inches): 2, 3 or 4

↑

Continuous Torque (lb-in):
5, 8, 16, 40, 55, 90 or 120

↑

Connector Type:
C = MS connectors on motor

↑

Brake Option: B = with Brake,
O = No Brake

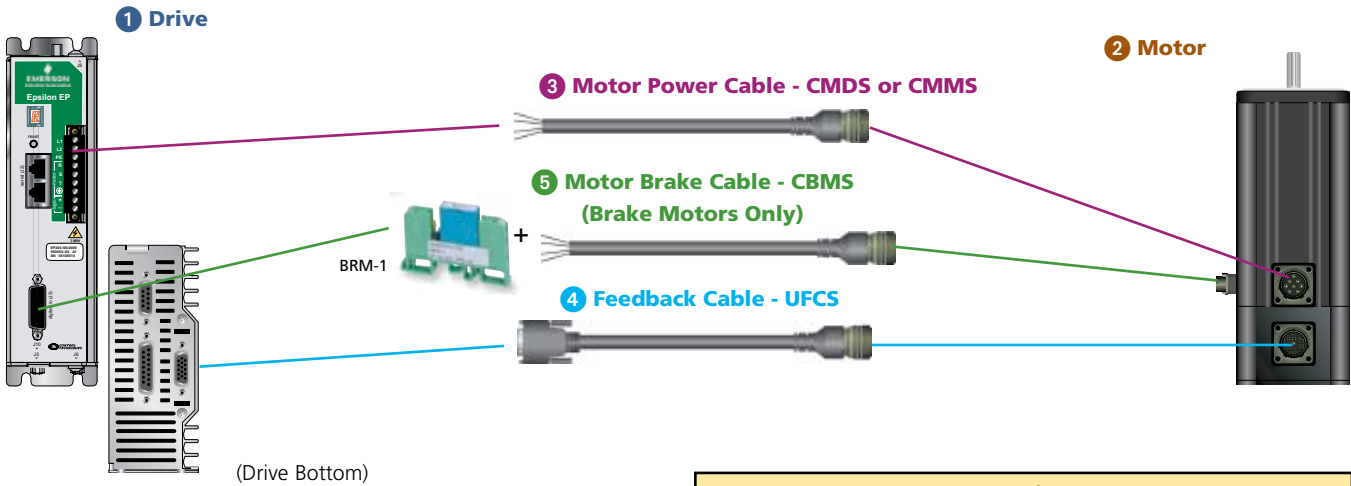
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Encoder Feedback Type: Encoder

↑

Special Options
S = Shaft Seal (Standard)

Epsilon EP



For additional motor information see Motors.
For additional cable options see Options.

Servo System Order Guide

① Drive Model x=B,I,P cc=00, DN or PB	② Motor Model (x=Flange)	③ Motor Power Cable (xxx=feet)	④ Feedback Cable (xxx=feet)	⑤ Motor Brake Cable (required w/all brake motors) (xxx=feet)
EP202-xcc-EN00	MGx-205-CONS-0000	CMDS-xxx	UFCS-xxx	
	MGx-205-CBNS-0000	CMDS-xxx	UFCS-xxx	CBMS-xxx
EP202-xcc-EN00	MGx-208-CONS-0000	CMDS-xxx	UFCS-xxx	
	MGx-208-CBNS-0000	CMDS-xxx	UFCS-xxx	CBMS-xxx
EP204-xcc-EN00	MGx-316-CONS-0000	CMDS-xxx	UFCS-xxx	
	MGx-316-CBNS-0000	CMDS-xxx	UFCS-xxx	CBMS-xxx
EP206-xcc-EN00	MGx-340-CONS-0000	CMDS-xxx	UFCS-xxx	
	MGx-340-CBNS-0000	CMDS-xxx	UFCS-xxx	CBMS-xxx
EP209-xcc-EN00	MGx-455-CONS-0000	CMMS-xxx	UFCS-xxx	
	MGx-455-CBNS-0000	CMMS-xxx	UFCS-xxx	CBMS-xxx
EP209-xcc-EN00	MGx-490-CONS-0000	CMMS-xxx	UFCS-xxx	
	MGx-490-CBNS-0000	CMMS-xxx	UFCS-xxx	CBMS-xxx
EP216-xcc-EN00	MGx-4120-CONS-0000	CMMS-xxx	UFCS-xxx	
	MGx-4120-CBNS-0000	CMMS-xxx	UFCS-xxx	CBMS-xxx

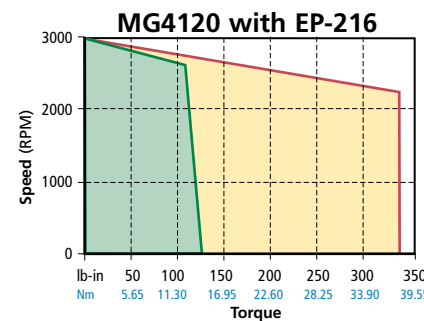
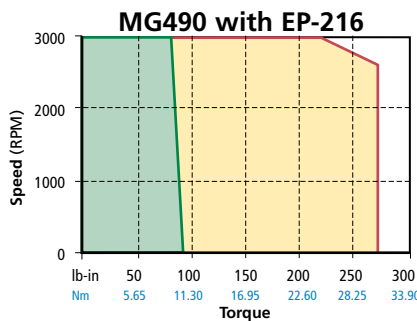
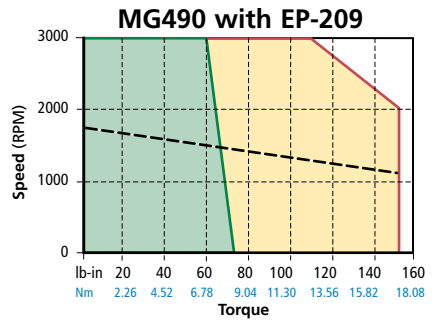
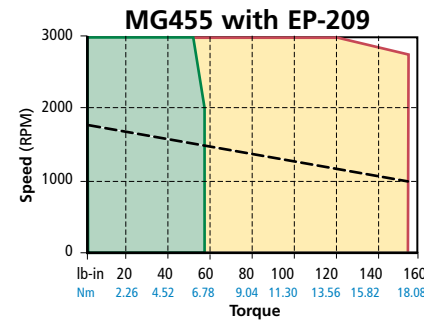
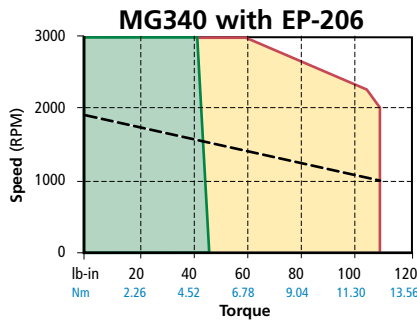
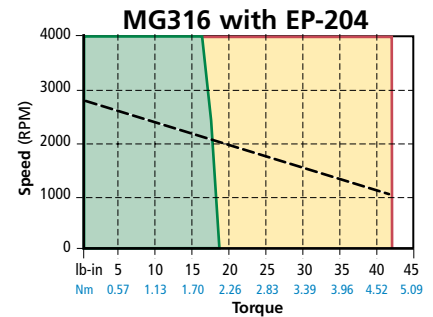
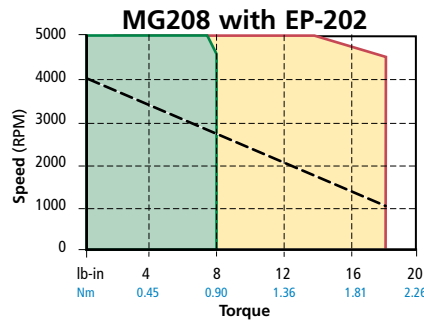
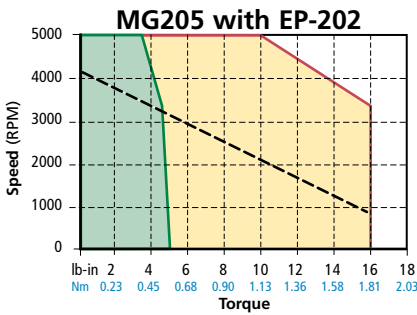
Epsilon EP - 230V MG Motor Specifications

Drive Model EP	Motor Model*	Cont. Stall Torque lb-in Nm	Peak Stall Torque lb-in Nm	Rated Torque @Rated Speed* lb-in Nm	Rated Power HP kWatts	Max.** Operating Speed RPM	Encoder Resolution lines/rev	Inertia lb-in-sec ² kg-cm ²	Motor Ke Vrms/ krpm	Motor Kt lb-in/Arms Nm/Arms	Motor Weight lb kg
-202	MG-205	5.00 0.56	17.63 1.99	3.70 0.42	0.29 0.22	5000	2048	0.000099 0.112	28	4.10 0.47	3.0 1.3
-202	MG-208	8.00 0.90	18.04 2.04	7.25 0.82	0.58 0.43	5000	2048	0.000169 0.191	28	4.10 0.47	4.0 1.8
-204	MG-316	18.60 2.10	44.00 4.97	16.00 1.81	1.02 0.76	4000	2048	0.00056 0.63	38	5.50 0.62	8.3 3.8
-206	MG-340	45.00 5.08	107.90 12.19	41.00 4.63	1.95 1.45	3000	2048	0.001458 1.646	57	8.30 0.94	14.6 6.6
-209	MG-455	62.00 7.01	158.40 17.90	52.00 5.88	2.48 1.84	3000	2048	0.002658 3.000	60	8.80 0.99	20.0 9.1
-209	MG-490	77.00 8.70	154.80 17.49	60.00 6.78	2.86 2.13	3000	2048	0.005175 5.823	59	8.60 0.97	28.6 13.0
-216	MG-490	88.6 10.0	275.2 31.1	79.7 9.0	3.8 2.86	3000	2048	0.005175 5.823	59	8.60 0.97	28.6 13.00
-216	MG-4120	123.9 14.0	336.0 38.0	111.5 12.6	5.3 4.00	3000	2048	0.007458 8.43	72	10.50 1.19	37.0 16.80

*See order guide on previous page for complete motor model number.

* Rated Speed = Maximum Operating Speed

Epsilon EP - 230V MG Motor Speed Torque Curves



Legend

- Continuous Torque
- Peak Torque
- 120V Curve

SPECIFICATIONS

Voltage 240 VAC
 Drive Frequency 10 kHz
 Ambient Temperature 25°C (77°F)
 Case Temperature 100°C (212°F)

All performance data listed above has a +/-10% tolerance and is subject to change at any time without notice. For more detailed information on performance data and test conditions please refer to the motor section of the catalog. For brake motor information, complete motor specifications and dimensions please refer to our motor section.

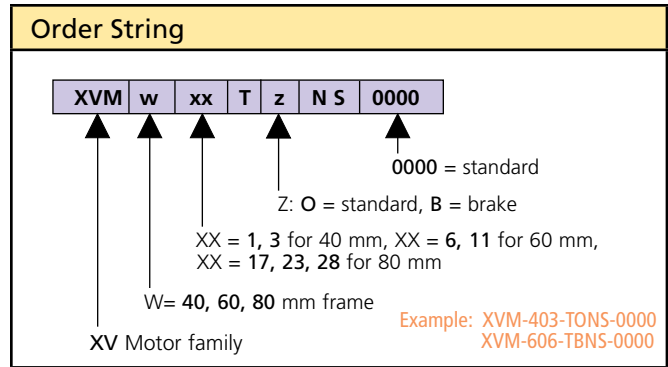
Epsilon EP

230V XV Motor Selection (40, 60, 80 mm)

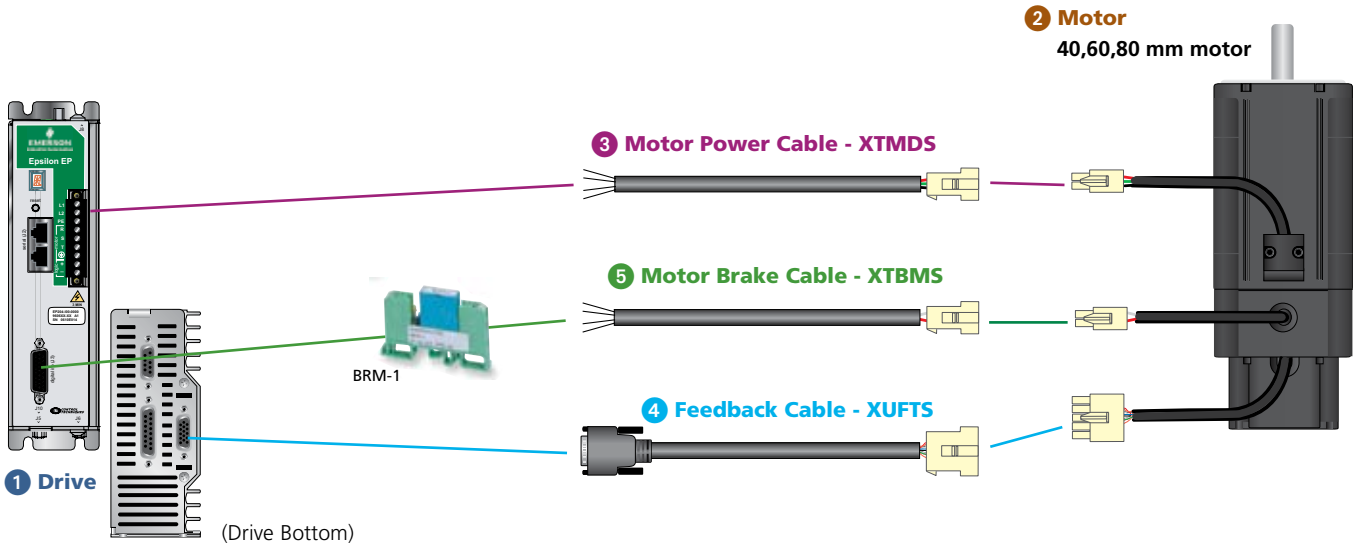
The new XV Servo Motor line delivers high-performance, low inertia, and high torque in a compact motor package. It offers a low cost solution with the features of a premium priced servo offering. Intended for higher throughputs and smaller machines, XV motors are available in four frame sizes: 40, 60, 80 and 130 mm with speeds ranging from 2000 to 5000 rpm.

System torque range from 0.84 lb-in (.09 Nm) to 101 lb-in (11.4 Nm).

XV motors are CE, UL and RoHS approved.



Epsilon EP



Servo System Order Guide

1 Drive Model x=B,I,P cc=00, DN or PB	2 Motor Model (y: O=standard, B=Brake)	3 Motor Power Cable (xxx=feet)	4 Feedback Cable (xxx=feet)	5 Motor Brake Cable (required w/all brake motors) (xxx=feet)
EP202-xcc-EN00	XVM-401-TyNS-0000	XTMDS-xxx	XUFTS-xxx	XTBMS-xxx
	XVM-403-TyNS-0000	XTMDS-xxx	XUFTS-xxx	XTBMS-xxx
	XVM-606-TyNS-0000	XTMDS-xxx	XUFTS-xxx	XTBMS-xxx
EP204-xcc-EN00	XVM-6011-TyNS-0000	XTMDS-xxx	XUFTS-xxx	XTBMS-xxx
	XVM-8017-TyNS-0000	XTMDS-xxx	XUFTS-xxx	XTBMS-xxx
	XVM-8023-TyNS-0000	XTMDS-xxx	XUFTS-xxx	XTBMS-xxx
EP206-xcc-EN00	XVM-8028-TyNS-0000	XTMDS-xxx	XUFTS-xxx	XTBMS-xxx

Epsilon EP

230V XV Motor Selection (130 mm)

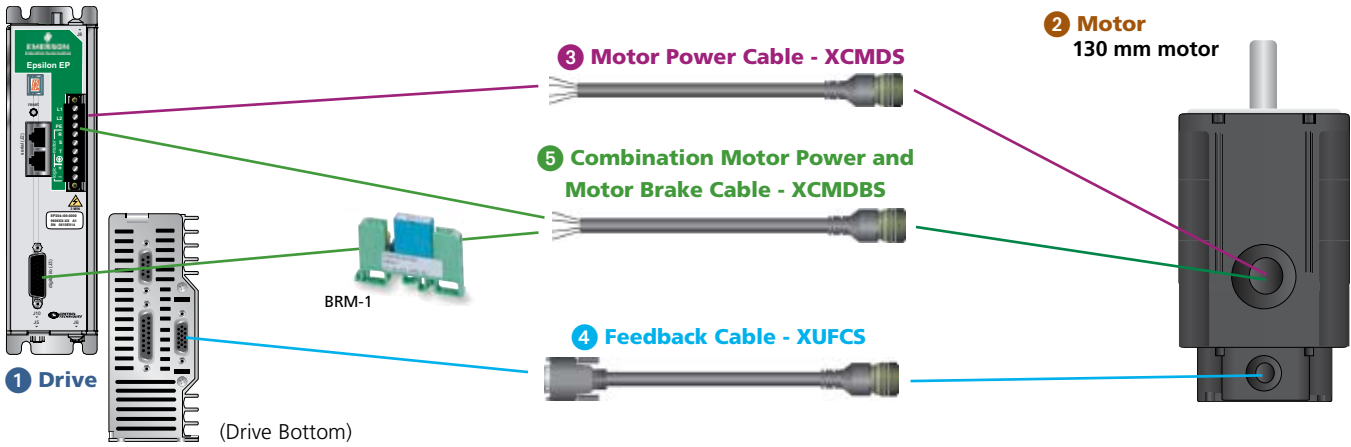
Epsilon EP

Order String

XVM	130	xx	C	x	N S	0000
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0000 = standard
 Z: O = standard, B = brake
 XX = 46, 51, 68, 89, 101 for 130mm
 XV Motor family

Example: XVM-13046-CONS-0000
XVM-130101-CBNS-0000



For additional motor information see Motors.
For additional cable options see Options.

Servo System Order Guide

① Drive Model x=B,I,P cc=00, DN or PB	② Motor Model	③ Motor Power Cable (xxx=feet)	④ Feedback Cable (xxx=feet)	⑤ Motor Power Brake Cable (xxx=feet)
EP204-xcc-EN00	XVM-13051-CONS-0000	XCMDS-xxx	XUFCS-xxx	
	XVM-13051-CBNS-0000			XCMDBS-xxx
EP209-xcc-EN00	XVM-13068-CONS-0000	XCMDS-xxx	XUFCS-xxx	
	XVM-13068-CBNS-0000			XCMDBS-xxx
EP206-xcc-EN00	XVM-13089-CONS-0000	XCMDS-xxx	XUFCS-xxx	
	XVM-13089-CBNS-0000			XCMDBS-xxx
EP209-xcc-EN00	XVM-130101-CONS-0000	XCMDS-xxx	XUFCS-xxx	
	XVM-130101-CBNS-0000			XCMDBS-xxx

Epsilon EP - 230V XV Motor Specifications											
Drive Model EP	Motor Model*	Cont. Stall Torque lb-in Nm	Peak Stall Torque lb-in Nm	Rated Torque @Rated Speed* lb-in Nm	Rated Power HP kWatts	Max.** Operating Speed RPM	Encoder Resolution lines/rev	Inertia lb-in-sec ² kg-cm ²	Motor Ke Vrms/ krpm	Motor Kt lb-in/Arms Nm/Arms	Motor Weight lb kg
-202	XV-401	0.84 0.09	2.58 0.29	0.80 0.09	0.06 0.05	5000	2048	0.0000097 0.011	7.80	0.89 0.10	0.7 0.3
-202	XV-403	2.81 0.32	8.51 0.96	1.90 0.21	0.15 0.11	5000	2048	0.00004 0.045	12.70	2.24 0.25	1.1 0.5
-202	XV-606	5.60 0.63	16.54 1.87	4.50 0.51	0.36 0.27	5000	2048	0.000161 0.182	29.20	3.76 0.42	2.4 1.1
-204	XV-6011	11.30 1.28	33.20 3.75	8.50 0.96	0.67 0.50	5000	2048	0.000284 0.321	29.50	4.15 0.47	3.5 1.6
-204	XV-8017	16.90 1.91	40.00 4.52	15.00 1.69	1.19 0.89	5000	2048	0.00096 1.092	35.20	5.00 0.56	5.4 2.4
-204	XV-8023	23.30 2.63	50.56 5.71	20.00 2.26	0.95 0.71	3000	2048	0.001335 1.509	44.60	6.32 0.71	6.9 3.1
-206	XV-8028	28.20 3.19	72.41 8.18	17.70 2.00	1.40 1.05	5000	2048	0.001705 1.927	39.20	5.57 0.63	8.3 3.8
-206	XV-13046	46.50 5.25	100.23 11.33	40.00 4.52	1.90 1.42	3000	2048	0.010611 11.99	53.10	7.71 0.87	15.8 7.2
-204	XV-13051	50.60 5.72	102.96 11.63	39.00 4.41	1.24 0.92	2000	2048	0.010611 11.99	85.80	12.87 1.45	15.8 7.2
-209	XV-13068	67.50 7.63	136.62 15.44	57.00 6.44	2.71 2.02	3000	2048	0.015345 17.34	54.20	7.59 0.86	19.1 8.7
-206	XV-13089	88.80 10.03	202.41 22.87	75.00 8.47	2.38 1.77	2000	2048	0.015345 17.34	94.60	15.57 1.76	21.3 9.7
-209	XV-130101	101.00 11.41	249.84 28.23	85.00 9.60	2.70 2.01	2000	2048	0.020072 22.68	90.00	13.88 1.57	22.4 10.2

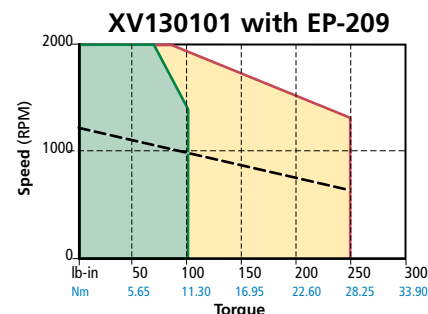
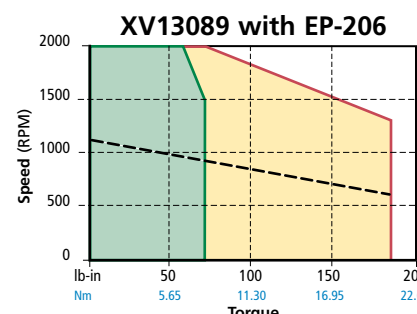
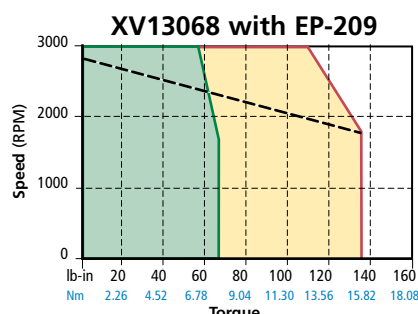
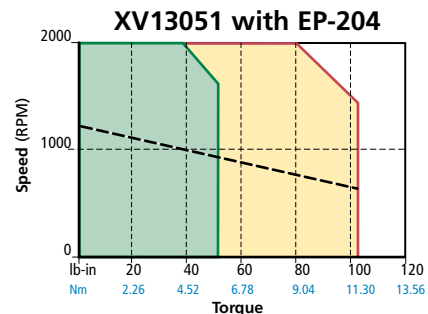
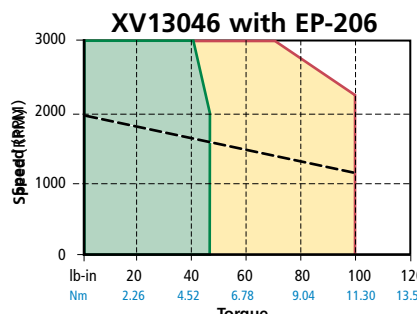
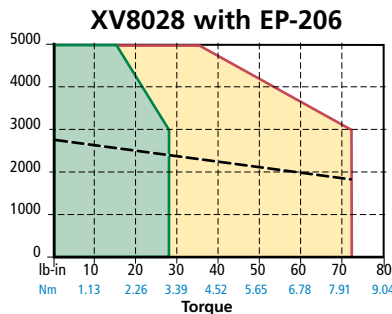
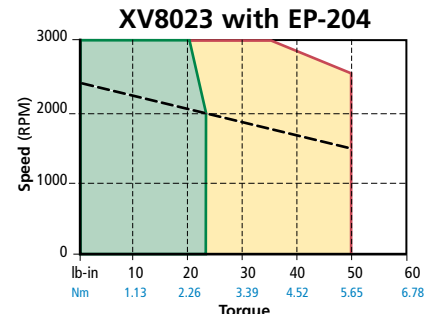
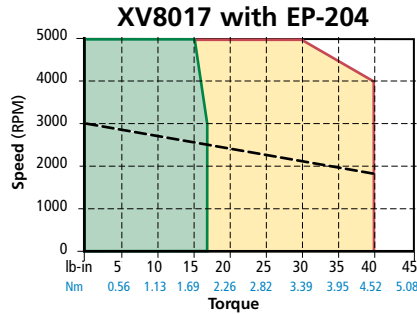
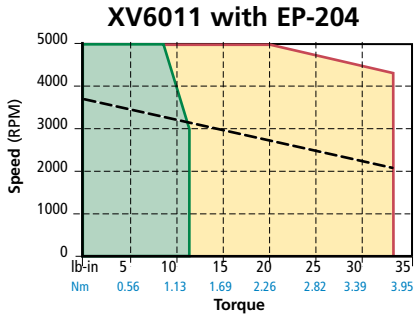
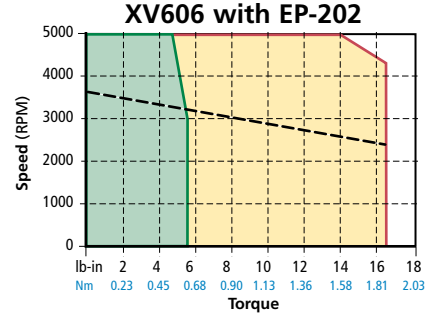
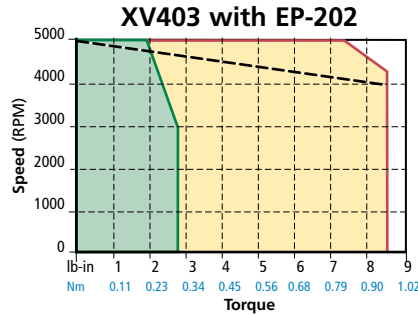
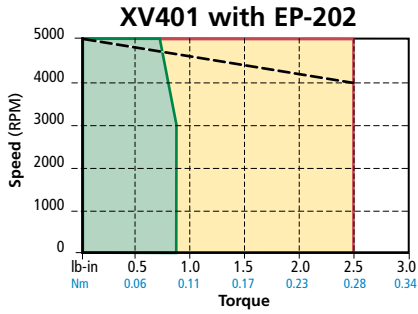
*See order guide on previous page for complete motor model number.

**Rated Speed = maximum operating Speed

Epsilon EP

Epsilon EP - 230V XV Motor Speed Torque Curves

Epsilon EP



Legend
 Continuous Torque
 Peak Torque
 - - - 120V Curve

SPECIFICATIONS

Voltage 240 VAC
 Drive Frequency 10 kHz
 Ambient Temperature 25°C (77°F)
 Case Temperature 75°C (167°F)

All performance data listed above has a +/-10% tolerance and is subject to change at any time without notice. For more detailed information on performance data and test conditions please refer to the motor section of the catalog. For brake motor information, complete motor specifications and dimensions please refer to our motor section.

Epsilon

1st Generation Compact Drive

The Epsilon Series is a compact digital servo drive in the Control Techniques lineup. Designed to fit in cabinets as small as six inches (152 mm) deep, with cables attached, Epsilon drives possess the rugged quality and reliability found in our larger drive series.

There are three ratings of each Epsilon drive: 2 Amp, 3 Amp and 5 Amp, with the largest drive delivering up to 40 lb-in continuous torque. Each drive contains a 14-segment status display, reset button, removable connectors and utilizes standard "D" type connectors.



Epsilon EP

This Epsilon drive is fully supported and available for customers who prefer not to change their existing design. However, the Epsilon EP is a new, more powerful, lower priced replacement for the Epsilon.

- **90 to 264 VAC 1Ø input power**
- **Up to 40 lb-in continuous torque**
- **Drive options: Base, Indexing, and Indexing with DeviceNet**
- **Easy install, setup and operation**
 - Compact, space saving design, six-inch (152 mm) panel depth including cables
 - Pluggable connectors, Standard D-Shell and Screw Terminals
 - State-Space Observer Control, which allows 10-1 inertia mismatch out of the box, and 50-1 with tuning
 - Free PowerTools software, and upgrades
- **Programmable, optically-isolated I/O**
- **RS232/485 serial communication interface using Modbus protocol**
- **14-segment status and diagnostic display, time-stamping of last 10 faults for easy troubleshooting**
- **Field programmable flash memory firmware (upgrades are free)**
- **Auto-Tune support for any servo motor with encoder feedback**
- **24 VDC auxiliary input for logic backup**

The Epsilon is available as a base drive, the Epsilon Eb; or as a single-axis positioning, indexing drive, the Epsilon Ei. The Epsilon Ei is also available as DeviceNet-ready drive, the Epsilon Ei-DN.

The Epsilon is very easy to commission and program using PowerTools FM software. This Windows-based programming environment makes extensive use of drag and drop editing, tabbed setup screens and hierarchical views. Online help is a mouse click away to answer any questions. Application notes, programming examples and the current version of PowerTools FM software can be downloaded from our web site at no charge. PowerTools FM is used to select the operating mode and motor, configure I/O, set velocity limits and torque levels, and monitor drive and I/O Status.

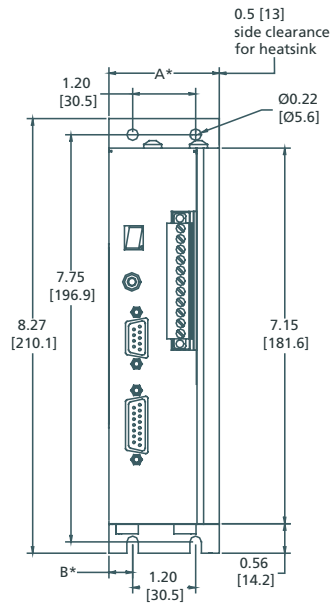
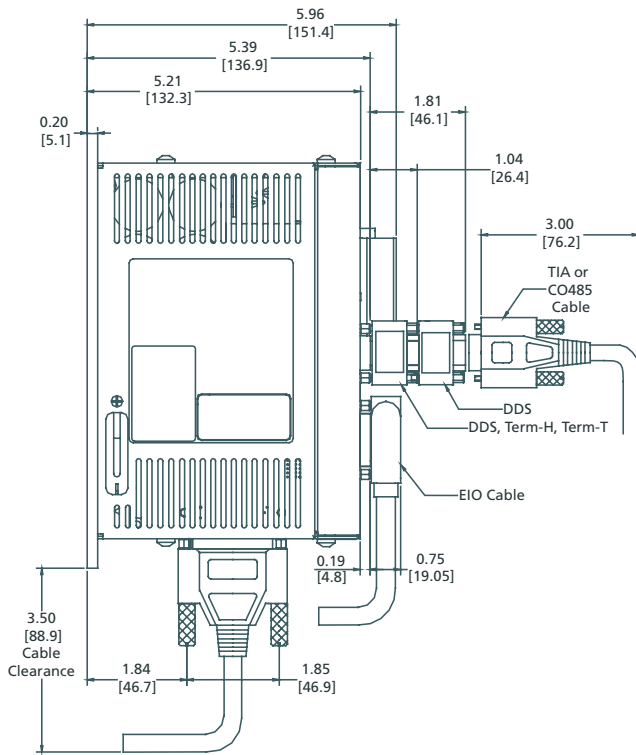
The Base drive can be configured in seven operating modes: Analog Torque, Analog Velocity, Preset Velocity, Preset Velocity + Analog Velocity, Pulse/Pulse, Pulse/Direction and Pulse/Quadrature. For positioning, the indexing version is your choice. The indexing drive gives you 16 Indexes with chaining and linking capability, jogging, a multitude of homing routines, and user units.

Communication is done via RS232 or RS485 Modbus RTU, which is standard on all Control Techniques drives. DeviceNet is available as an option on the indexing model, Ei-DN. The Epsilon is designed to run with Control Techniques NT, MG, EZ Unimotors and FM motors (the EZ Unimotor replacement) and can easily be configured for use with third party motors.



EPSILON SPECIFICATIONS AND DIMENSIONS

Epsilon Ep



Go to
Power CD
for complete data

Drive Model	Dimension A	Dimension B
ε-202	2.10 [53.3]	.45 [11.4]
ε-203	2.10 [53.3]	.45 [11.4]
ε-205	3.56 [90.42]	.70 [17.78]

Power Requirements

AC Input Voltage: 1Ø, 90 to 264 VAC, 47 - 63 Hz (240 VAC for rated performance)

AC Input Current

- ε-202: 4.3 Arms (140A for 2ms inrush)
- ε-203: 6.5 Arms (140A for 2ms inrush)
- ε-205: 10.8 Arms (140A for 5ms inrush)

Output Continuous Current (RMS)

- ε-202: 1.8 Arms
- ε-203: 3 Arms
- ε-205: 5 Arms

Output Peak Current (for 4 seconds)

- ε-202: 3.6A
- ε-203: 6A
- ε-205: 10A

Continuous Output Power

- ε-202: 0.7 kW
- ε-203: 1.2 kW
- ε-205: 2.0 kW

Switching Frequency 20 kHz

Logic Supply Internal

Auxiliary Logic Supply +18 to 30 VDC @ 0.5A

Encoder Supply Output +5 VDC, 250 mA

System Efficiency 93%

Cooling Method

- ε-202: Convection
- ε-203: Convection
- ε-205: Convection

Regeneration

Internal Energy Absorption (115V)

- ε-202: 41 Joules
- ε-203: 41 Joules
- ε-205: 113 Joules

Internal Energy Absorption (230V)

- ε-202: 18 Joules
- ε-203: 18 Joules
- ε-205: 48 Joules

External: Connection to RSR-2 with external resistor, 20 Ohm min, 15 Arms, 2 kW

Drive Control Inputs

Analog: (1) +/-10 VDC, 14 bit, 100 kOhm, Differential

Analog Max. Input Rating: Differential +/-14 VDC, Each Input with Reference to Analog Ground +/-14 VDC

Digital: (5) +10 to 30 VDC, 2.8 kOhm, Sourcing, Optically Isolated

Pulse: (1) Differential RS422, 2 mHz/Channel, 50% Duty Cycle

Single Ended: (1) TTL Schmitt Trigger 1 MHz/Channel, 50% Duty Cycle

Motor Overtemperature: 0 to +5 VDC, 10 kOhm, single ended

Drive Control Outputs

Analog: (2) +/-10 VDC, 10 bit, Single-ended 20 mA

Digital: (3) +10 to 30 VDC, 150 mA, Sourcing Optically Isolated

Pulse: Differential RS422 and TTL compatible, 20 mA/Channel Sink or Source

I/O Supply: +10 to 30 VDC

Environmental

Rated Ambient Temperature: 32° to 104°F (0° to 40°C) for rated performance

Maximum Ambient Temperature: 32° to 122°F (0° to 50°C) with power derating of 3.5%/1.8F (1°C) above 104°F (40°C)

Rated Altitude: 3280' (1000 m)

Maximum Altitude: For altitudes >3280' (1000 m) derate output by 1%/328' (100 m)

Vibration: 10 to 2000 Hz @ 2 g

Humidity: 10 to 95% non-condensing

Storage Temperature: -13° to 167°F (-25° to 75°C)

Ingress Protection: IP-20

Serial Interface

RS232/RS485 Modbus RTU w/ 32-bit extension — 9600 to 19.2 kBaud

Internal RS232 to RS485 Converter

Drive Weight

- ε-202: 3.3 lb (1.5 kg)
- ε-203: 3.3 lb (1.5 kg)
- ε-205: 3.7 lb (1.7 kg)

DeviceNet (Optional)

Power Consumption: 25 mA
Baud Rates: 125, 250 and 500 kps
Node Addresses: 00-63
Messaging: Explicit and Polled I/O