

# TorqPlus™ Product Matrix

Feature		Model EM050	Model EM100	Model EM300	EM-500 Series	EM-800 Series	SR5 Series
Output Torque Range	in-lb Nm	100 11	100 to 350 11 to 39	150 to 600 17 to 68	180 to 1,600 20 to 181	2,000 to 20,000 226 to 2,260	300 to 1,600 34 to 181
Operating Speeds (60Hz) Sec/90°		2 1/2	2 to 13	4 to 30	2 to 30	12 to 72	10 to 90
115VAC / 1Ph / 50-60Hz Motor Voltage		Standard	Standard	Standard	Standard	Standard	Standard
220VAC / 1 Ph / 50-60Hz Motor Voltage		N.A.	Optional	Optional	Optional	Optional	Optional
12 or 24VDC Motor Voltage		N.A.	Optional	Optional	Optional	N.A.	N.A.
CSA Certified Enclosure 4 (NEMA 4)		Standard	Standard	Standard	Standard	Standard	Standard
CSA Certified Enclosure 4&7 (NEMA 4&7)	Note 4	N.A.	N.A.	Optional	Optional	Optional	Optional
CSA General Purpose Electrical Specification	Note 3	Optional	Optional	Optional	Optional	Optional	Optional
Reversible Operation, Adjustable		0 °	0 – 180°	0 – 180°	0 – 180°	0 – 180°	0 – 90°
Multi-Turn Output Control		N.A.	N.A.	N.A.	Optional	Optional	N.A.
Ambient Operating Temperature -40°F to +140°F (-40°C to +60°C)		Standard	Standard	Standard	Standard	Standard	Standard
Corrosion Resistant Powder Coat Finish		Standard	Standard	Standard	Standard	Standard	Standard
Standard Manual Override Type		Direct	N.A.	Declutching	Declutching	Direct HW	N.A.
Mechanical Position Indicator		Standard	N.A.	Standard	Standard	Standard	Standard
Standard Number of SPDT Switches		2	2	2	2	4	2
Number of Optional SPDT Switches	Note 1	2	2	4	4	6	4
Dual Torque Limit Switches		N.A.	N.A.	N.A.	N.A.	Standard	N.A.
Standard Conduit Entry, Number & NPT Size		(1) 1/2"	(1) 1/2"	(2) 1/2"	(2) 1/2"	(2) 3/4"	(2) 1/2"
Standard Output Drive Configuration		Female DIN/ISO	Female DIN/ISO	Female DIN/ISO or Male	Female DIN/ISO or Male	Female Bore & Key	Female DIN/ISO or Male
Motor Brake		Standard	Standard Note 2	Optional for 15 & 30 sec Standard for 4 & 10	Optional	6000 in-lb and above – std. All others optional	Standard
Heater & Thermostat	All Voltages	Standard	Optional	Standard	Standard	Standard	Standard
Potentiometer 1k Ohm - 1/2%		N.A.	Optional	Optional	Optional	Optional	Optional
Electronic Proportional Positioner and/or Electronic Position Transmitter		N.A.	Optional	Optional	Optional	Optional	Optional

(1) When actuator is to be supplied with potentiometer, reduce number of available optional switches by two (2) except for 100 series.

(2) Brake is part of motor rotor

(3) Actuators were subjected to an endurance test of 6000 complete cycles at maximum rated torque.

(4) Hazardous locations classified as Class I and II Groups C,D,E,F and G.

**Bettis Electric** Mansfield, OH U.S.A. T 419-529-4296 Website: [www.EmersonProcess.com/Bettis](http://www.EmersonProcess.com/Bettis)