



# INTEGRATED SERVO MOTOR/DRIVE/CONTROLLER

The ACSI is an all-in-one solution (motor/drive/controller) for cost-effective servo control. Mount to a Tolomatic (or any) electric actuator for a complete motion system. The ACSI can be controlled with simple digital I/O, analog input or robust industrial ethernet.

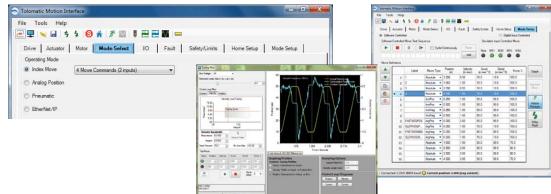
**ACSI** 



## **Easy to Use Operating Modes & Configuration Software**



- Index position via digital I/O
- Pneumatic Logic
- Analog Position
- Ethernet
  - -EtherNet/IP
  - -PROFINET
  - -Modbus TCP
  - -EtherCAT
- Supports rotary actuator: position and velocity moves



### **Available Options:**

### **Cables**

Planetary Gearboxes Available ratios - 3:1, 5:1, 10:1

### **Power Supply**

48 VDC; 2.5, 5 Amp or 10 Amp



3m, 5m or 10m lengths

### INTEGRATED SERVO MOTOR/DRIVE/CONTROLLER

### **Specifications**

	NEMA 23 (C1)		NEMA 23 (C2)		NEMA 34 (D1)		NEMA 34 (D2)	
	Basic	Ethernet	Basic	Ethernet	Basic	Ethernet	Basic	Ethernet
Cont. Torque	0.61 N-m	0.55 N-m	0.38 N-m	0.34 N-m	1.53 N-m	1.32 N-m	3.28 N-m	2.82 N-m
Max. Cont. Current	11.46 Amps	9.6 Amps	7.7 Amps	7.0 Amps	12.7 Amps	11.37 Amps	7.0 Amps	6.2 Amps
Peak Torque	1.56 N-m		0.99 N-m		2.82 N-m		5.88 N-m	
Max. Peak Current	20 Amps		20 Amps		20 Amps		12.72 Amps	
Rated Speed*	3500 RPM		5800 RPM		1750 RPM		450 RPM	
Max. Speed*	3850 RPM		6350 RPM		2050 RPM		650 RPM	
KT	0.09 N-m/Arms		0.07 N-m/Arms		0.16 N-m/Arms		0.573 N-m/Arms	
KE	10 V/kRPM		7.059 V/kRPM		16.55 V/kRPM		60 V/kRPM	
Rotor Inertia	0.220 kg-cm <sup>2</sup>		0.220 kg-cm <sup>2</sup>		1.600 kg-cm <sup>2</sup>		2.4 kg-cm <sup>2</sup>	
Shaft Max. Radial Load**	115 N		116 N		220 N		221 N	
Shaft Max. Axial Load**	45 N		46 N		60 N		61 N	
Unit Weight	1.72 kg		1.72 kg		3.27 kg		4.47 kg	
Motor Poles	8							
Max Case Temp	85°C <i>(185°F)</i>							
Encoder	Differential 1024 lines/rev (4096 counts per rev)							

# **ACSI**





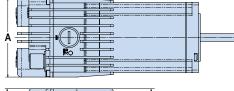




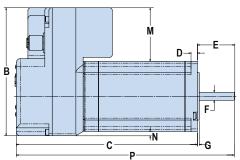


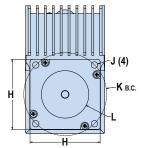


### **Dimensions**









	23 (C1)	23 (C2)	34 (D1)	34 (D2)
Α	63.5	63.5	63.5	63.5
В	102.8	102.8	113.9	113.9
C	145.4	145.4	150.4	180.4
D	5.2	5.2	10	10
Ε	22.86	22.86	31.8	31.8
F	6.35	6.35	12.7	12.7
G	1.5	1.5	1.6	1.6
Н	56.3	56.3	85.8	85.8
J	5.2	5.2	5.5	5.5
K	66.68	66.68	98.43	98.43
L	38.1	38.1	73.03	73.03

	23 (C1)	23 (C2)	34 (D1)	34 (D2)	
M	43.1	13.1 43.1		28.3	
N	3.5 3.5		0	0	
Р	168.26	168.26	182.2	182.2	
R	-	-	22.9	22.9	
S	-	-	2.79	2.79	
T	-	-	3.18 (+.05, -0.00)	3.18 (+.05, -0.00)	
U	-	-	10.92 (+0.00, 38)	10.92 (+0.00, 38)	

Dimensions in millimeters

# EXCELLENCE IN MOTION®

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**COMPANY WITH** QUALITY SYSTEM **CERTIFIED BY DNV GL** = ISO 9001 = Certified site: Hamel, MN

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