

CSM Conveyor Smart Motor

Simplifying Conveyor Systems for space-saving, easy control and long-lasting performance



CSM Benefits



- ✓ **Space-Saving Design**
Fully integrated, all in one drive and motor that eliminates the need for a separate cabinets, gearheads, and extra wiring reducing the overall footprint of the conveyor system.
- ✓ **Easy Control and Monitoring**
Direct panel control and status display on the motor make it easy for operators to configure and monitor the system, without the need for external computers or communication wiring.
- ✓ **Long-Lasting Performance**
With high torque at low speeds and a service life of over 20,000 hours, the CSM34 motor is built to outlast traditional AC induction or brushless motors and gearheads.

Key Features

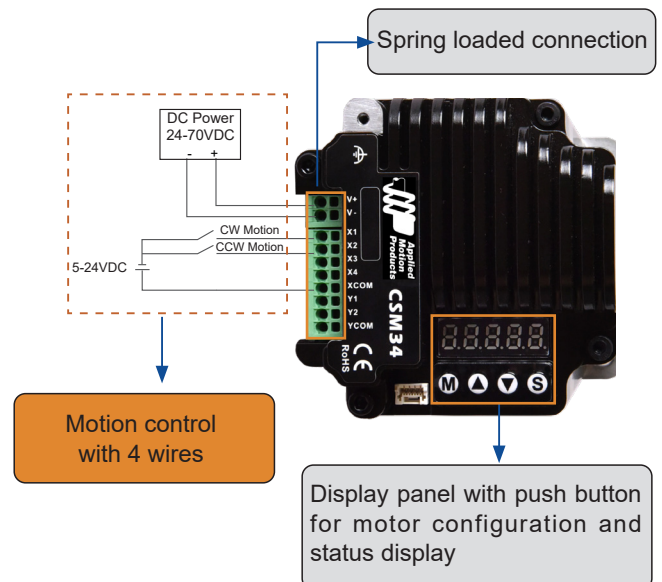
- Integrated Motor and Drive
- StepSERVO™ close loop position/speed control
- Gear-less motion solution
- Up to 6Nm torque output
- Direct plug-in connection
- "On the fly" speed change
- Speed settings on the motor

- 5 digit, 7 segment motor status display
- Quick installation
- No external control panel required
- Direction and motion control inputs
- 2 configurable speed inputs
- Push button configuration and jog motion

Specifications

Model	CSM34X3L-A	CSM34X5L-A
Input Voltage	DC 24-70VDC	
Max Torque	5.68Nm	7.46Nm
Rotor Inertia	2580 gcm ²	3860 gcm ²
Control Mode	IO Control	
Speed Setting	Motor Control Panel	
Speed Range	0-2000rpm	
Encoder Feedback	Yes	
Stall Detection	Yes	
Alarm Output	Yes	
Operating Temperature	0-40C	
Humidity	Below 90%	
Input	4 Optical Isolated, differential input, 5-24VDC	
Output	2 optical isolated, 30VDC/100mA max	
NEMA Frame Size	34	
Length (mm)	134	161.8

Easy Wiring

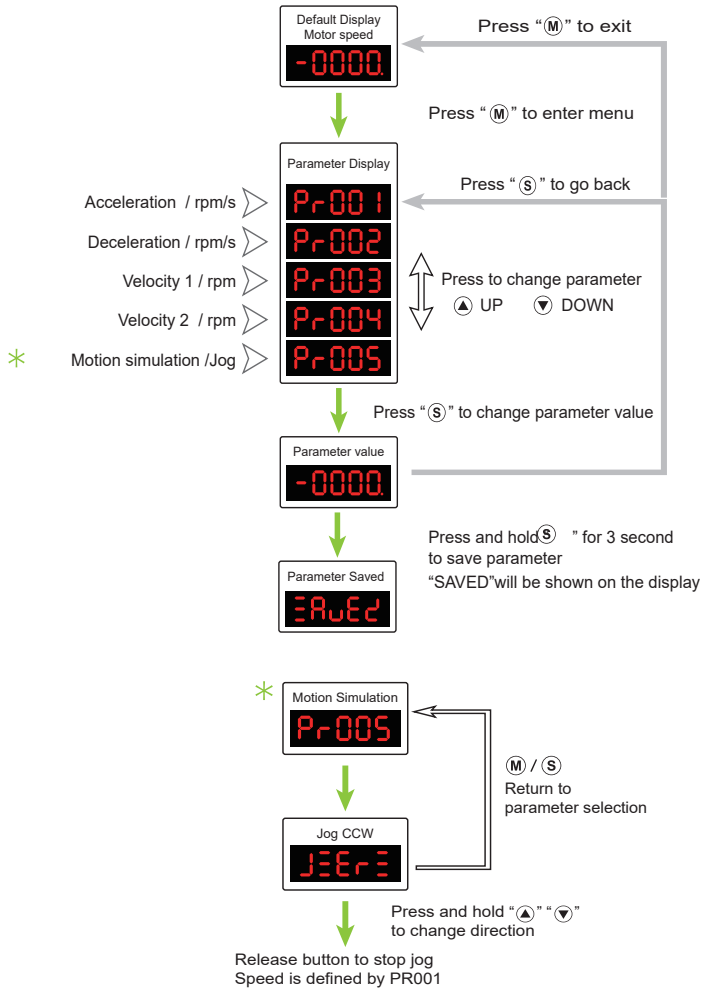


Control Panel

Enable status

M Mode ▲ Up ▼ Down S Set

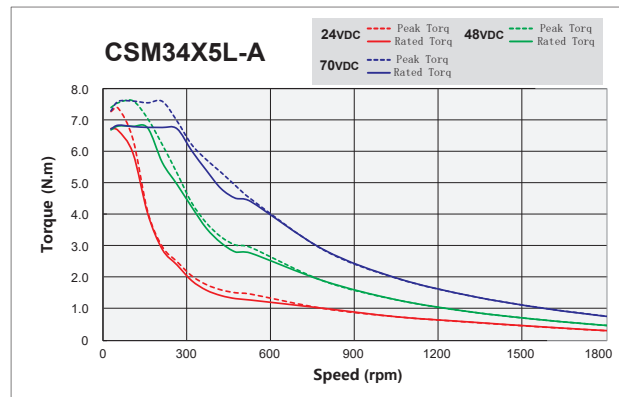
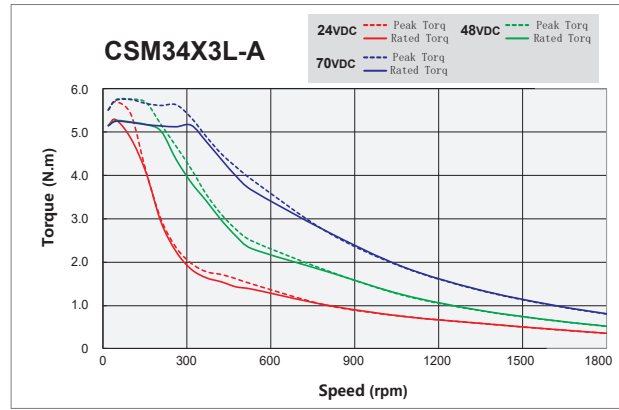
- Default display for current motor speed
- Display will change to default after 10 seconds of no clicking
- When alarm event occur, the status display will show the alarm code



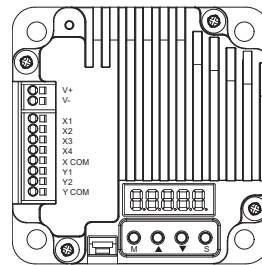
Error Code

Err-0	Memory Error	Err-H	High Voltage Warning
Err-1	Open Winding	Err-L	Low Voltage Warning
Err-2	Position Fault	Err-C	Communication Error
Err-3	Motor Disabled	Err-T	Over Temperature
Err-4	Internal Voltage Error	Err-E	Encoder Fault
Err-5	Over Current		

Torque Curve



Pin diagram



Drive Pins

V+	24-70V DC
V-	
X1	CW motion
X2	CCW motion
X3	Clear Alarm/Disable
X4	2nd Speed
X COM	Input COM
Y1	Alarm Output
Y2	Dynamic in position
Y COM	Output COM

Dimension (Unit: mm)

