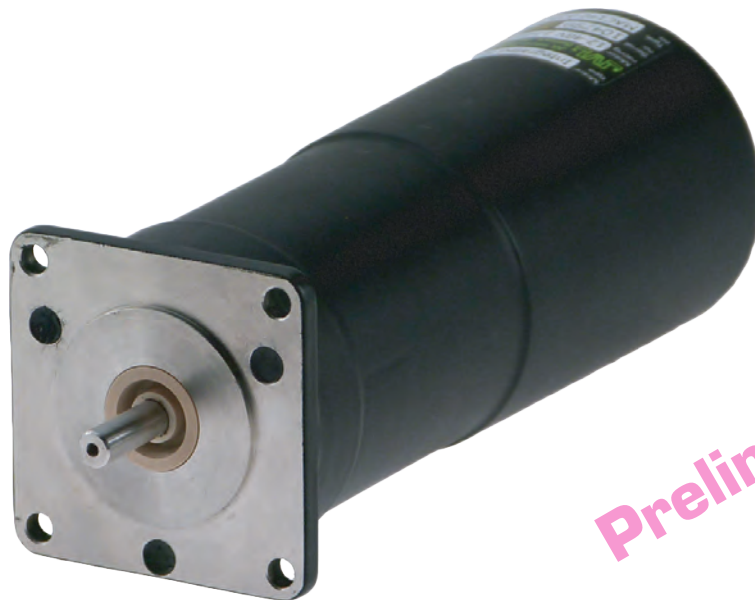




MAC140-F..

New Servo Motor - next generation MAC motor - generation 3



Preliminary

JVL is proud to announce a completely new generation of Mini-MAC (50-141 W) servo motors. This new motor family is based on previous designs and customer feedback collected for many years and offers a wide pallet of options and possibilities which makes this product fit into almost any application.

Key features

- High dynamic servo regulator
- Industrial Ethernets - 6 protocols
- Absolute multiturn encoder unlimited down time (no battery!)
- Safe Torque Off (STO) input
- Wide supply range 7 to 48 VDC
- Very energy efficient
- Brake control (ext. brake)
- 0 – 4000 RPM / 50 – 140 W
- Protection class up to IP67
- Wide program of option modules
- Connectors: M12 industrial



Encompass™
Product Partner

A ROCKWELL AUTOMATION PARTNER



JVL - your global partner



JVL A/S is a Danish company with subsidiaries in Germany, UK, USA and Turkey. And we have distributors and partner companies in more than 30 countries world-wide – sales and support are always nearby.



Coming soon

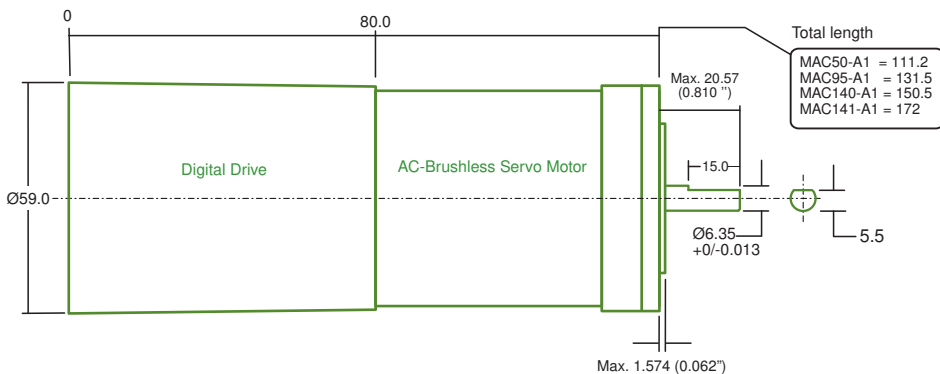
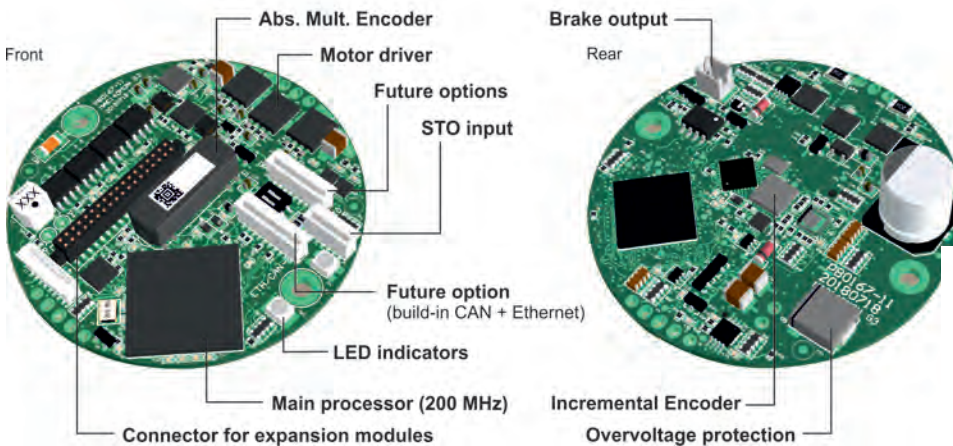
Technical specifications	MAC050	MAC095	MAC140	MAC141	MAC220
Supply voltage	7-48 VDC	7-48 VDC	7-48 VDC	7-48 VDC	7-48 VDC
Speed range (nominal)	0-4000 RPM	0-4000 RPM	0-4000 RPM	0-2700 RPM	0-4000 RPM
Rated power @4000/3000 RPM	46 W	92 W	134 W	134 W	220 W
Cont. torque @T.Amb. -25°C	0.11 Nm	0.22 Nm	0.32 Nm	0.48 Nm	0.52 Nm
Peak torque @T.Amb. -25°C	0.32 Nm	0.62 Nm	0.9 Nm	1.59 Nm	1.5 Nm
Rotor Inertia	0.075 kgcm ²	0.119 kgcm ²	0.17 kgcm ²	0.23 kgcm ²	0.17 kgcm ²
Encoder resolution (standard)	4096/8192 CPR				
Absolute Encoder (Turns)	± 18 Bit (2 ¹⁸)				
Flange dimensions	58.7x58.7 mm				

What is new?

- Absolute multiturn encoder harvesting technology without battery or gear
- Ethernet high performance similar to other MAC motors
- More advanced FOC filter for lower noise and better motor performance
- New Mosfet technology for higher efficiency and cooler motor
- Encoder resolution 8196 CPR. Higher resolutions soon to come
- STO or Brake connector optional

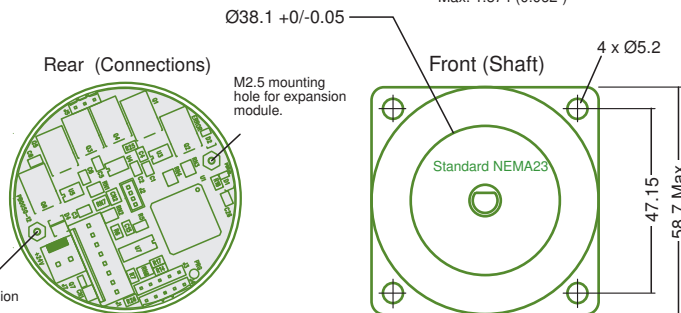
Power supplies and cables

Power supplies and cables for all types of set-up can be delivered as required. In this way installation is fast and easy for our customers. Please see our complete product line at www.jvl.dk.



IP67 protection

IP67 versions can also be delivered. They are resistant to rough chemicals and ideal for use in food processing, pharmaceutical, medico and chemical industries. They come with a maintenance free teflon shaft sealing, leak-proof cable entry and stainless steel flange and shaft.



All dimensions in mm