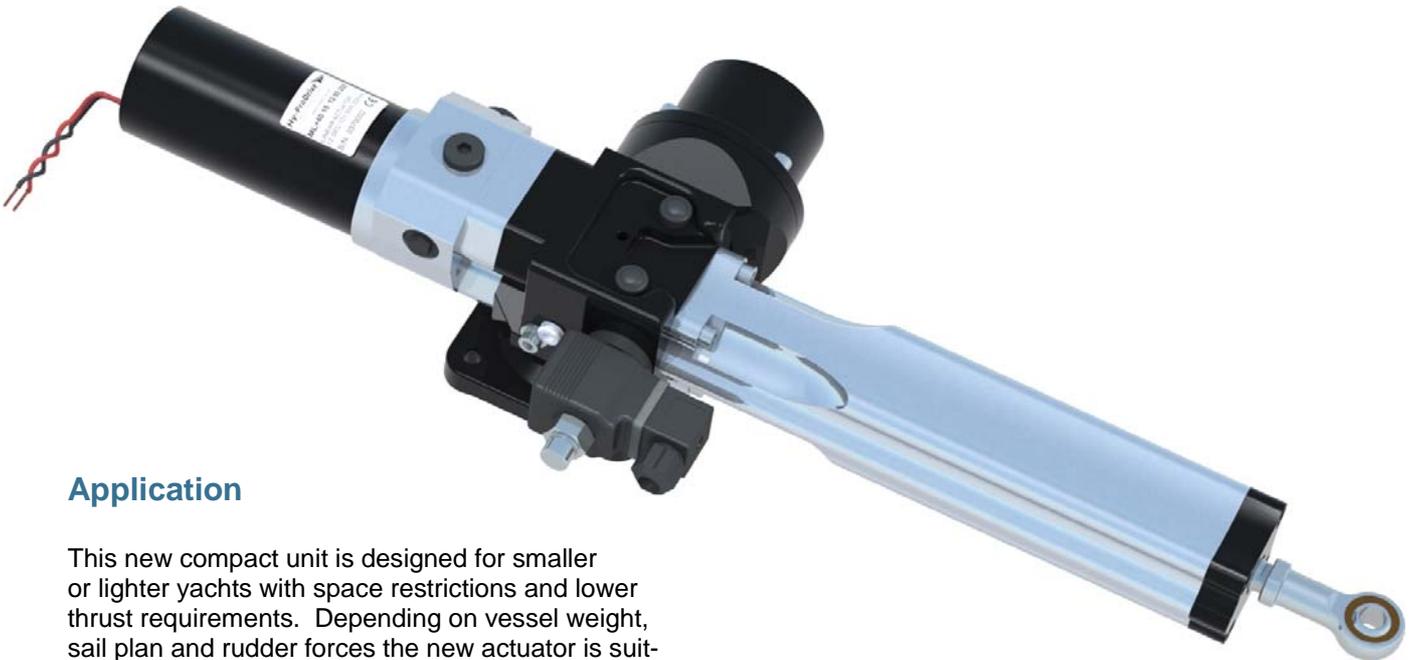


## ML+40-8 COMPACT LINEAR ACTUATOR 200mm STROKE



### Application

This new compact unit is designed for smaller or lighter yachts with space restrictions and lower thrust requirements. Depending on vessel weight, sail plan and rudder forces the new actuator is suitable for sailing yachts of up to 45 feet (15 m).

### Description

The ML+40-8 at full extension is only 840mm long allowing it to be mounted in tighter confines than the standard ML+40.

It combines our 1.5 litre pump and 50w motor which develops up to 350kg of thrust whilst typically drawing only 14 amps. This allows it to be used with smaller course computers making this an economical solution for the smaller vessel.

The compact actuator comes with all the advantages of its larger stable-mate the ML+40. All the elements (pump, cylinder and reservoir) of a hydraulic circuit come together in one compact unit. It also contains integral relief and anti-cavitation valves as standard.

It comes supplied with a special quick release mounting and M12 tiller bolt along with all the necessary fasteners and fixings.

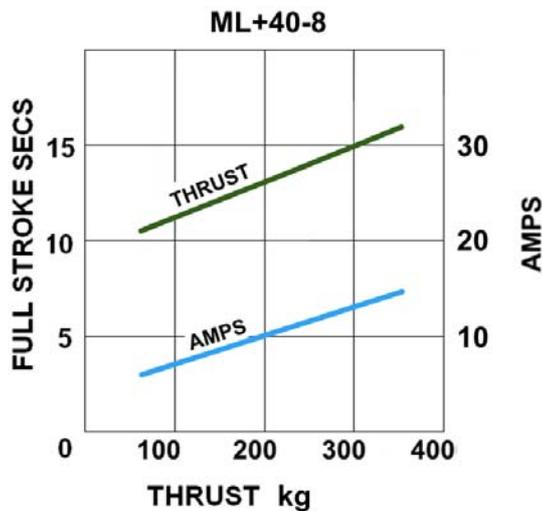
The ML+40-8 has an environmental protection rating of IP67 and conforms to BS EN 60945 for EMC and BS EN 28846 for ignition protection.

### Features

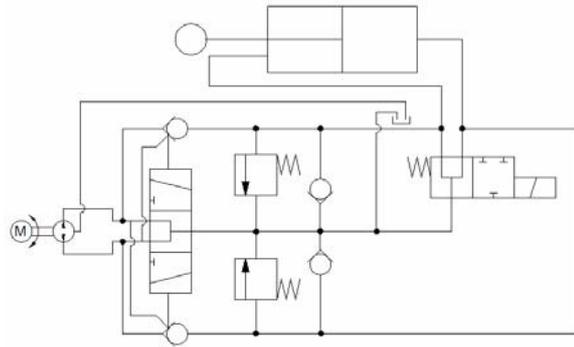
- Pre-filled for easy installation
- Low profile
- Compact length
- Low power consumption
- Environmental protection to IP67
- Integral relief and anti-cavitation valves.
- Quick release mounting.
- Low back-drive
- Marine environment protective finish.
- Low maintenance.
- User serviceable.
- Service kits & spares available.

## Performance Graph

Typical characteristics  
Dynobear 10 oil at 25°C



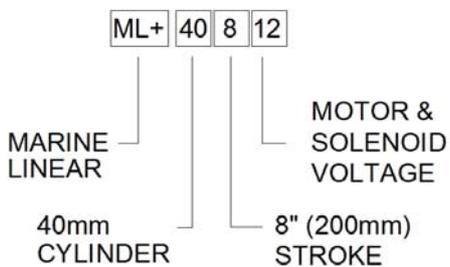
## Circuit Diagram

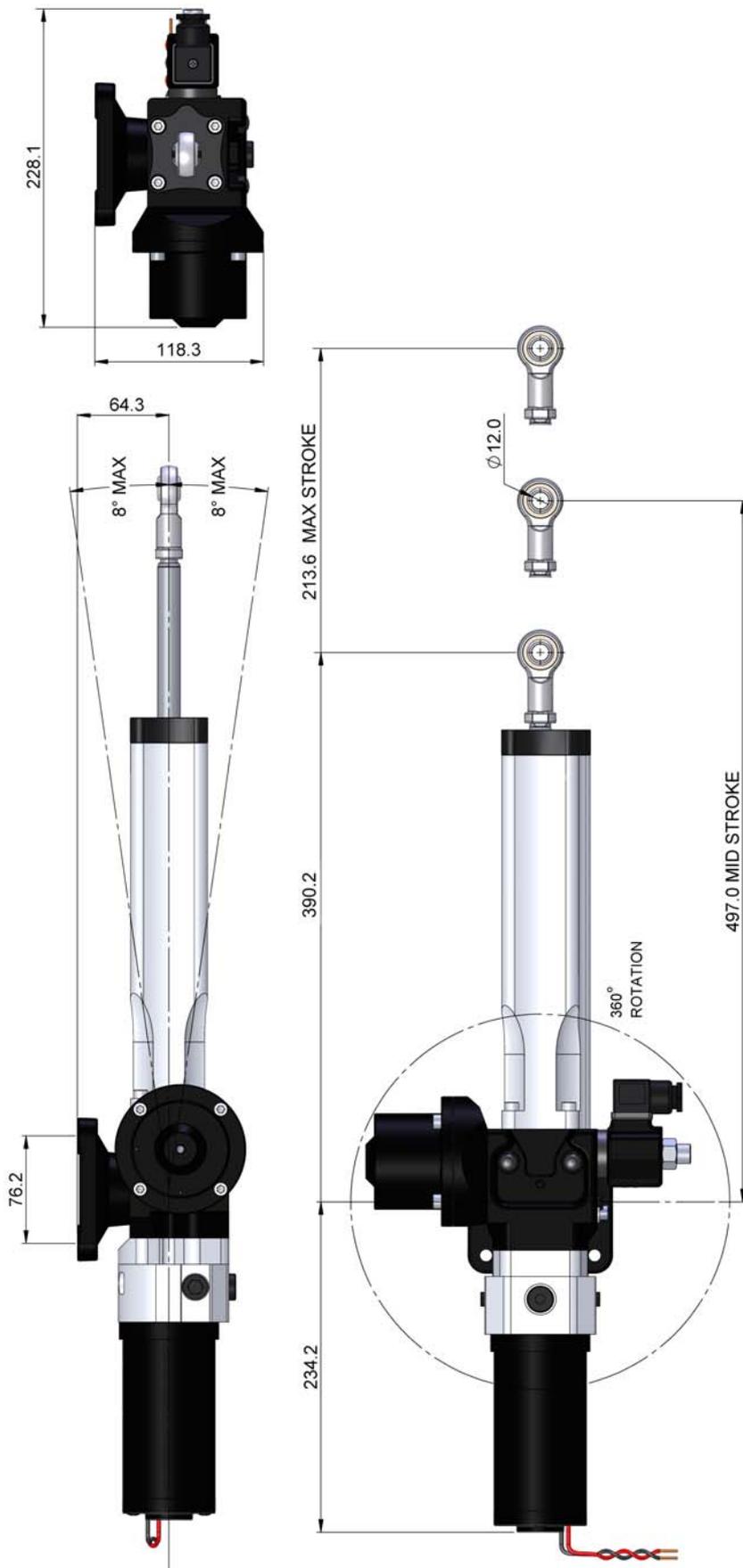


## Technical Data

Voltage	12 VDC	
	Typical Amp-hour	Typical Current
	60 kg at 25% duty	Intermittent 350 kg
Current	1.3 A	14.0 A
Hard-over time (Nominal)	12 seconds	
Volume (average)	234cc	
Ingress protection	IP67	
EMC Protection	BS EN 60945:2002 (DC)	
Ignition Protection	BS EN 28846:1993	
Ambient operating Temperature	-15 to + 55 deg C	
Max Operating Thrust	350 kg (Intermittent)	
Orientation	Red lead to positive - Extends Black lead to positive - Retracts	
Clutch coil	12 watt	
Clutch connection	DIN 43650 (6-8 mm cable)	
Fluid	ISO VG10 to VG40 hydraulic mineral fluid to ISO 6743-4 HV	
	The following commercial fluids are suitable: Fuchs Renolin B 15 HV1 Seastar HA5430	
Weight	8 kg	

## Order Code





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