

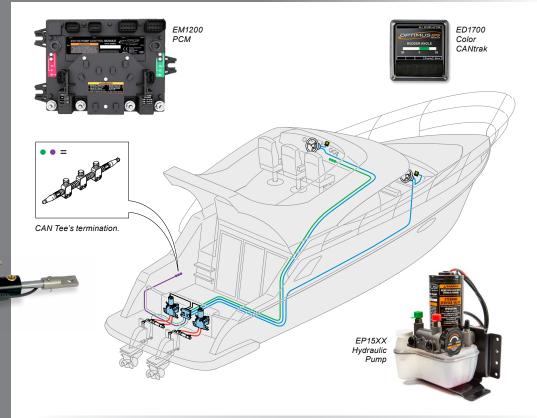
# For Sterndrive Vessels 28ft to 50ft

# **APPLICATIONS**

Electronic Power Steering (EPS) system suitable for vessels from 28 ft to 50 ft.



EH1510 Electronic Helm Front mount 3/4 taper shaft shown 5 other options available



### **Environmental**

- Operating temperature:
  -18°C to +77°C [ISO 25197]
- Storage temperature:-40°C to +85°C [ISO 25197]
- Corrosion resistance: 300 hours salt spay [ASTM B117]
- Water ingress protection: IPX7 [IEC 60529]
- Random vibration:
  0.0284 g^2/Hz [ABYC P-27]
- Resonant vibration: 4 G zeropeak, 20-2000 Hz [ABYC P-27]
- Mechanical shock:
   50 G, 11 m-sec half-sine shape
   [ISO 25197]
- Ignition protection: SAEJ-1171
- Meets EN60945 electromagnetic compatibility requirement

Issue Date - January 2017 Issue Number - 469260B

## **FEATURES**

- · Up to two helms stations
- Automatic battery management with sensing, warnings & best battery selection
- On demand hydraulic steering pump minimizing power consumption
- · No oil at the helm
- Rugged electronics for 12 or 24 VDC applications
- Color dash display showing rudder command and rudder position graphic
- Displays system health
- · Display provides system setup interface
- Communicates faults and any special handling instructions to the operator
- Simple software updating via USB port
- Programmable number of turns lock to lock with speed
- Auto-adjusting steering end stops and resistance with speed

- Dual redundant position sensing on all moving components
- Helm shaft: 3/4" taper
- · Utilizes fault tolerant CAN network
- Full autopilot CANbus connectivity and integration. No additional pumps or sensors required
- Adjustable max rudder hard over angle with speed range 20° to 30° Center to hard over
- Position proportional rudder gain for faster steering response near neutral rudder position
- RPM input: NMEA 2000, J1939 or analog pulse compatible
- Pump features an Integrated service/ bypass valve allows a limp home mode
- Meets or exceeds ABYC, CE, ISO and SAE electrical and environmental requirements







# CYLINDER COMPATIBILITY TABLE

Volvo	
DPH Duoprop	No
DPR Duoprop	No
DPS Duoprop	Yes
DPS-A	Yes
DPS-A OXI	Yes
DPS-B	Yes
DPS-B1	Yes
DPS-M	Yes
DP-E	No
DP-G	No
DP-X	No
OCEAN X (DPS-B OXI)	Yes
XDP	Yes
XDP-B	Yes
SX	Yes
SX-A	Yes

Mercury		
BRAVO 1	Yes	
BRAVO 11	Yes	
BRAV0 111	Yes	
ALPHA 1 GEN 1	Yes	
ALPHA 1 GEN 2	Yes	
BRAVO X 1	Yes	
BRAVO X 11	Yes	
BRAVO X 111	Yes	
BRAVO X R	Yes	
BRAVO X R ITS	No	
BRAVO X SPORTSMAN	Yes	

Yanmar	
ZT 370	Yes
ZT 350	Yes

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22.58" (574 mm)

