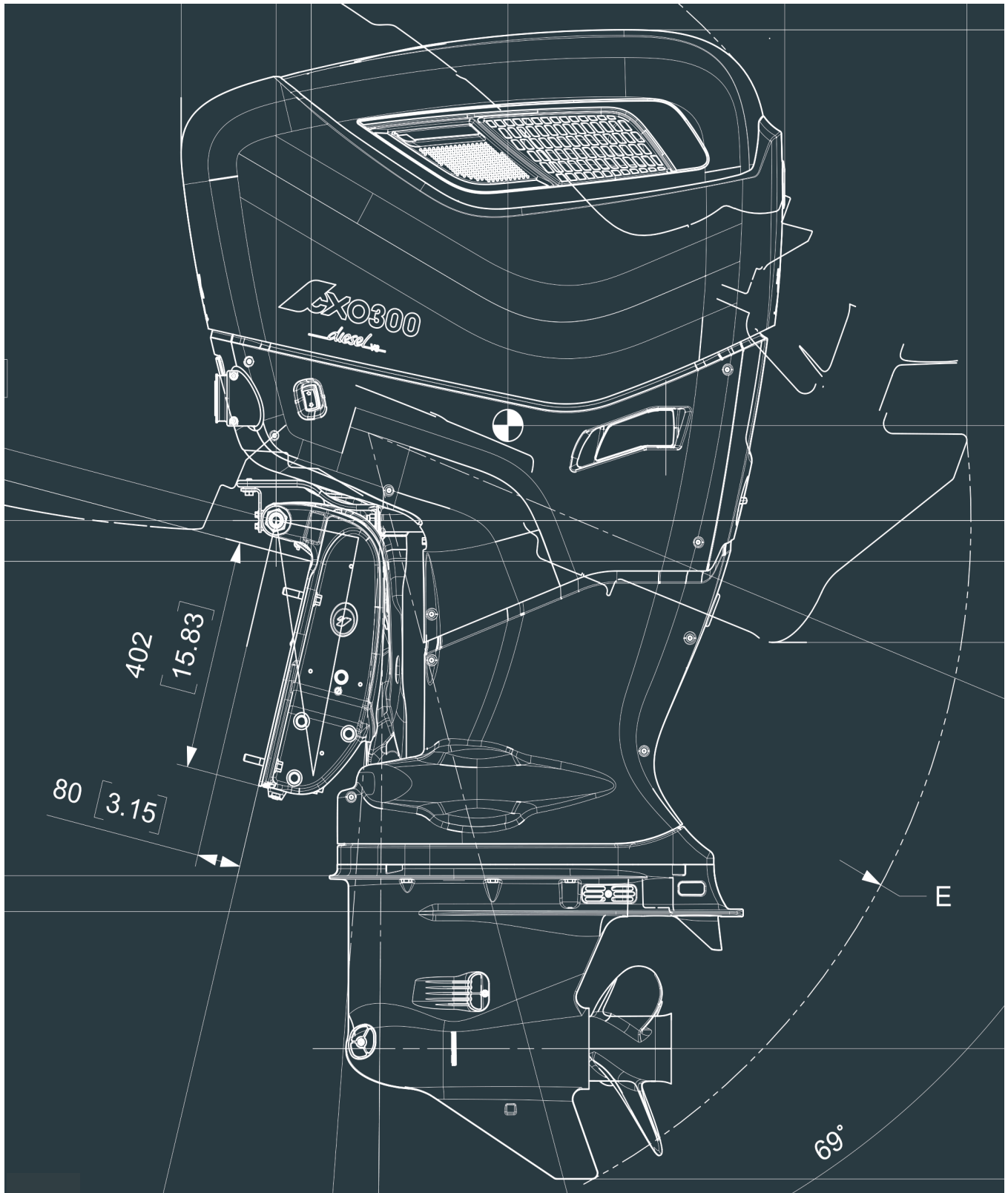


CXO300
 Technical Specification



	TYPE	CXO300	DIESEL OUTBOARD ENGINE
	YEAR	2020	

CXO300
Technical data

Engine designation	CXO300
Propeller shaft power, kW (hp)	224 (300)
Engine propping speed, rpm	3700-4000
Displacement, L (cu.in.)	4.4 (266)
Weight, kg (lb)	393 (866)
Number of cylinders	8
Bore/stroke, mm (in.)	84 (3.3) / 98.5 (3.9)
Compression ratio	16:1
Ratio 1 (Propeller speed)	1.23:1 (3259)
Ratio 2 (Propeller speed)	1.46:1 (2739)
Peak torque, Nm (lb.ft)	650 (479)
Aspiration	Twin-turbo
Shaft Length, inch(mm)	25"(635)/30"(762)/35"(889)
Emission compliance	EPA 3, IMO II, RCD II
Start assist	Glow plugs
Rating	Light-duty commercial
Trim range	-4° to +16°
Tilt range	71°
Gear oil spec	SAE 80W90, API GL-5
Powerhead oil spec	Min standard - fully synthetic API CI-4/ SAE 10W40 or 5W40
Propeller spline spec	1.25" shaft / 19 tooth
Colour options	Black / White

CXO300
Technical description

Powerhead

- 60 degree V8
- Aluminium alloy block, heads and ladder frame
- Quad camshafts, four valves per cylinder

Outboard mounting

- Standard outboard fitting layout
- 6-bolt mounting with multi-hole adjustment
- 30" transom spacing (28.5" with steering limits)

Fuel system

- Electronically controlled high pressure common rail fuel injection
- On-engine fuel filtration and cooling

Air inlet and exhaust system

- Twin turbochargers with electronic boost control
- Water-to-air charge cooling
- Air filters with replaceable inserts

Transmission

- 90-degree spiral bevel gear drive
- All outboards offer standard and counter rotating capability, programmable through the ECU

Cooling system

- Thermostatically regulated raw water cooling
- Solid impeller low-maintenance water pump

Oil System

- Closed crankcase ventilation

Electrical system

- Drive-by-wire power and shift control
- 12V system voltage
- 100A flywheel-integrated marine alternator
- Automatic integrated fuses

Propeller

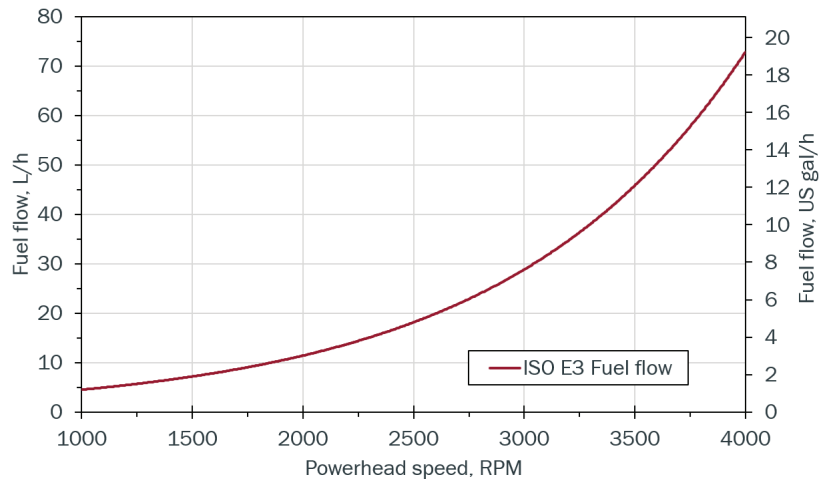
- Maximum propeller diameter 16in
- 19 tooth 1.25" propeller spline

CXO300
Instruments and controls

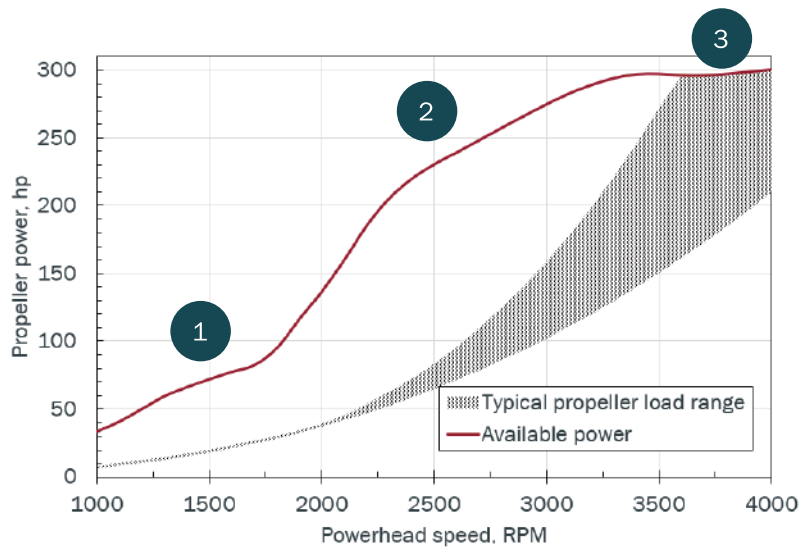
Instruments/Controls

- Dometic electronic throttle
- Dometic joystick
- CoastKey key-less fob / wireless MOB technology
- CAN J1939 Controls and Displays
- Compatible with NMEA 2000
- Murphy Powerview displays – 4.8"/7"/12"
- Compatible with all Dometic EPS steering

CXO300
 Fuel Flow



CXO300
 Power at Propeller (hp)



- 1 Restricted torque at very low RPM avoids overpowering the propeller
- 2 Substantial mid-range torque provides powerful and responsive acceleration and cruise performance
- 3 Broad power peak provides the full 300 hp across a wide range of vessel loadings

CXO300
Technical drawing

25" leg length
Dimensions – mm (in)

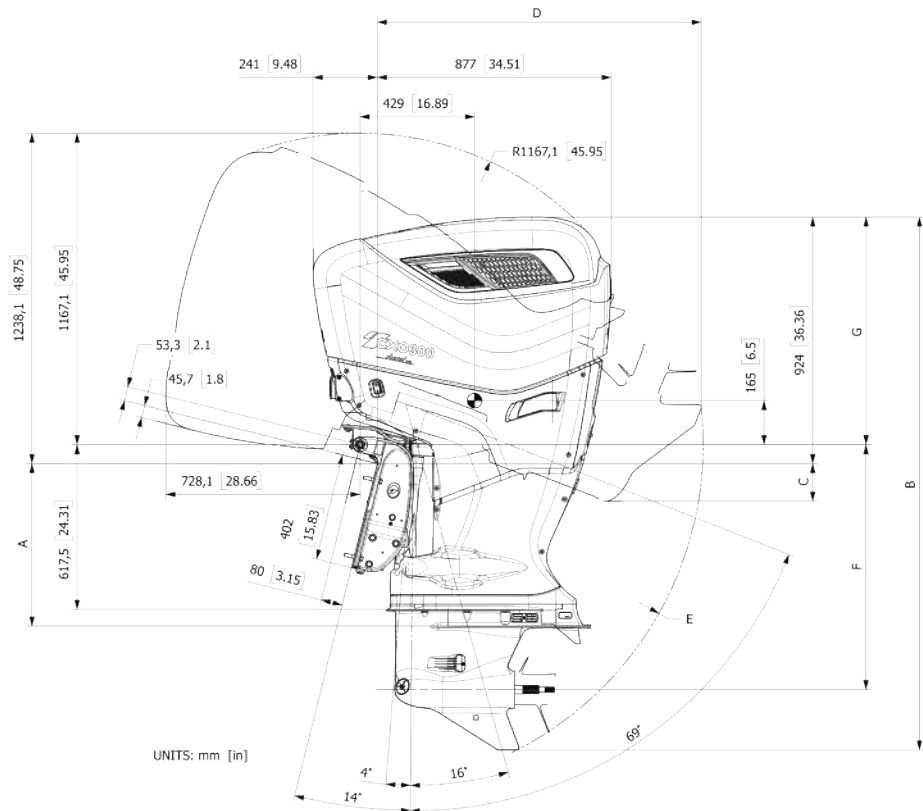
A	609 (24)
B	1997 (78.6)
C	141 (5.6)
D	1214 (47.8)
E	R1286 (50.7)
F	918 (36.1)
G	853 (33.58)

30" leg length
Dimensions – mm (in)

A	732 (29)
B	2124 (83.6)
C	268 (10.5)
D	1314 (52.8)
E	R1413 (55.6)
F	1045 (41.1)
G	853 (33.58)

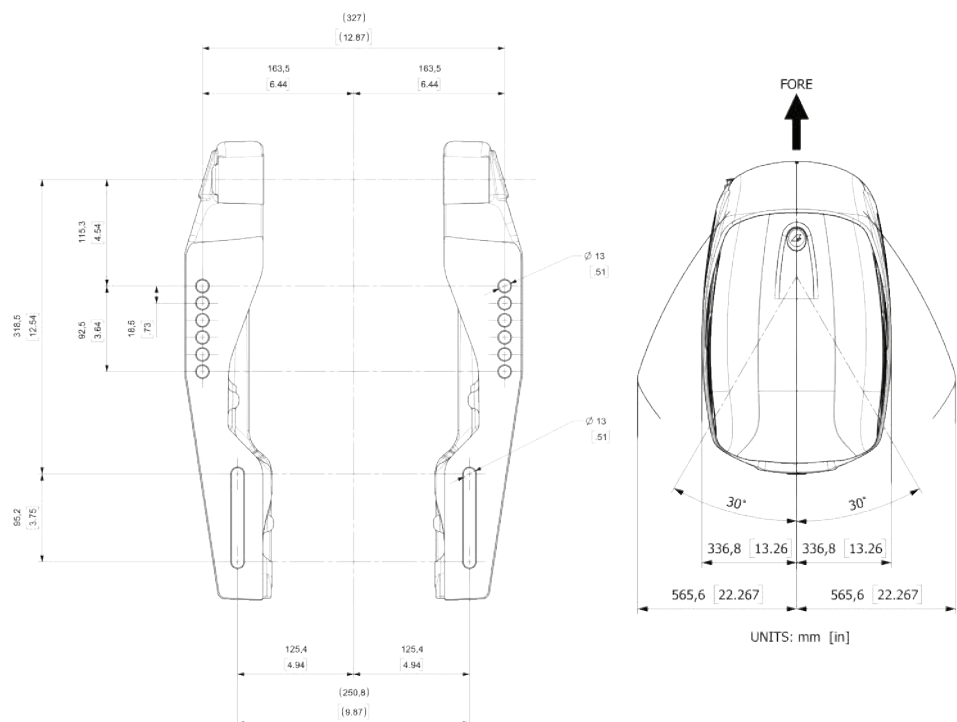
35" leg length
Dimensions – mm (in)

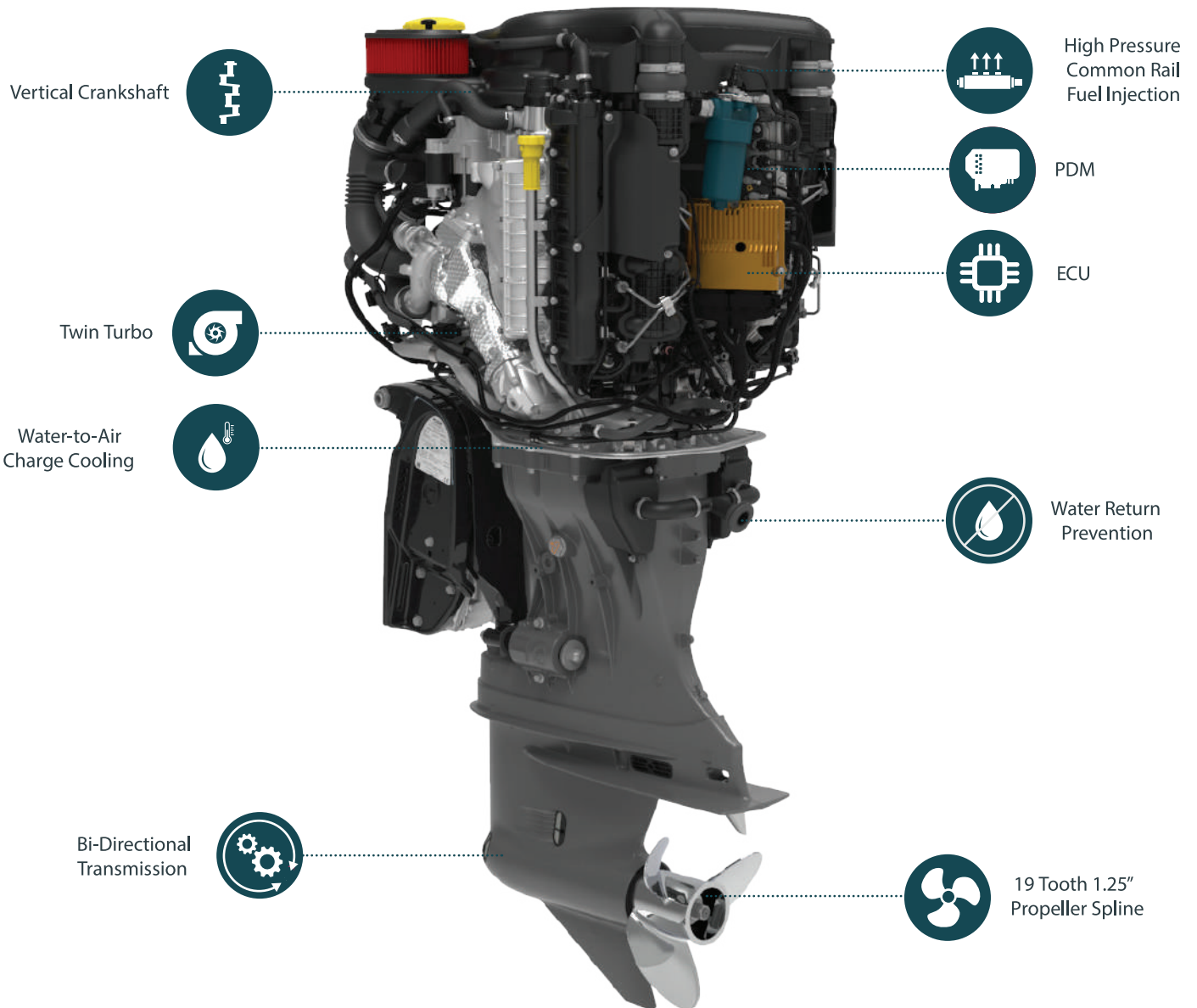
A	863 (34)
B	2251 (88.6)
C	395 (15.6)
D	1468 (57.8)
E	R1540 (60.7)
F	1172 (46.1)
G	853 (33.58)

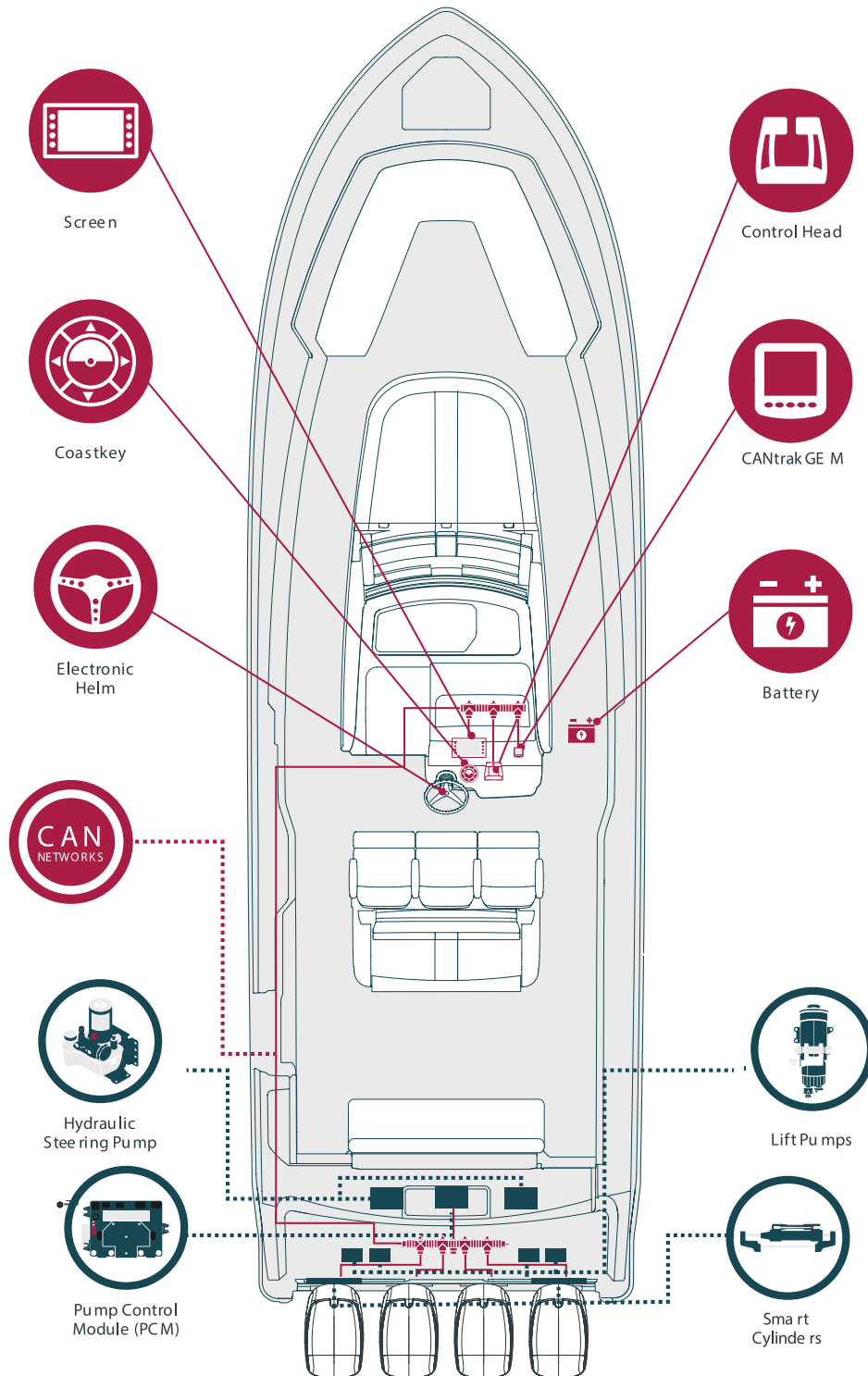


CXO300
Transom interface /
Plan view

Dimensions - mm (in)









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