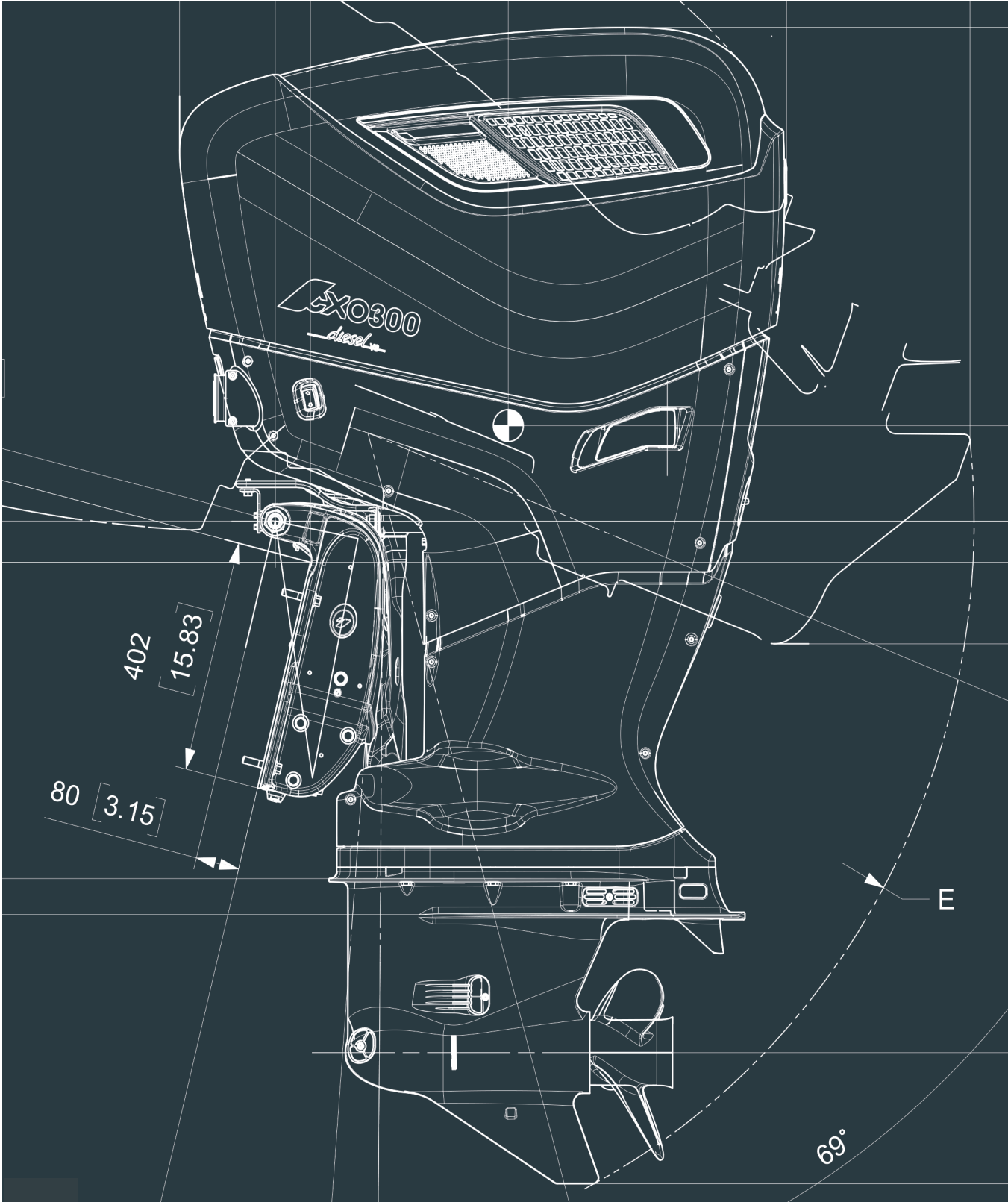


CXO300
Technical Specification



	TYPE	CXO300	DIESEL OUTBOARD ENGINE
	YEAR	2020	

CXO300
 Technical data

Engine designation	CX0300
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 2, RCD 2
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

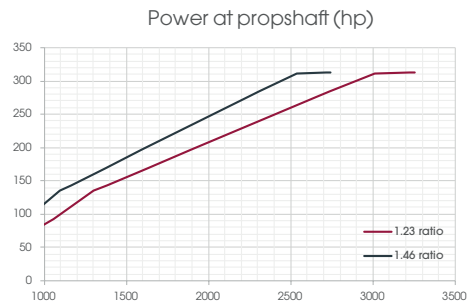
Instruments and controls

Instruments/Controls

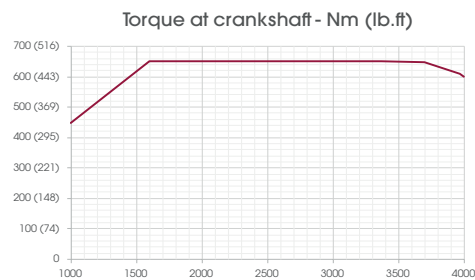
- Dometic electronic throttle
- Dometic joystick
- CoastKey key-less fob / wireless MOB technology
- CAN J1939 Controls and Displays
- Compatible with NMEA 2000
- Murphy Powerview displays – 4.8"/7"/12"
- Compatible with all Dometic EPS steering

CXO300

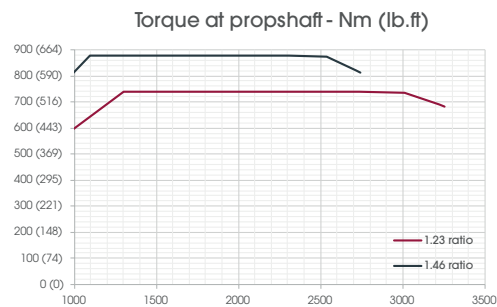
Power at Propshaft (hp)


CXO300

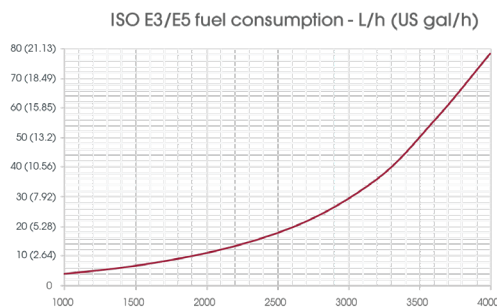
Torque at Crankshaft
Nm (lb.ft)


CXO300

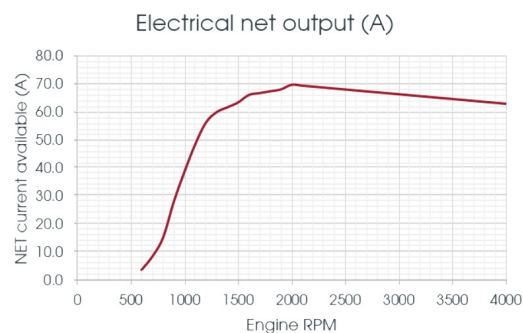
Torque at Propshaft
Nm (lb.ft)


CXO300

ISO E3/E5 fuel
consumption (L/h)
Fuel curve under
ISO 8178 E3/E5 conditions


CXO300

Electrical Net Output at
Engine RPM



CXO300
Technical drawing
25" leg length

Dimensions – mm (in)

A	634 (25)
B	1984 (78.1)
C	151 (5.9)
D	1201 (47.3)
E	1297 (51)
F	918 (36.1)
G	853 (33.58)

30" leg length

Dimensions – mm (in)

A	761 (30)
B	2111 (83.1)
C	177 (7)
D	1326 (52.2)
E	1424 (56)
F	1045 (41.1)
G	853 (33.58)

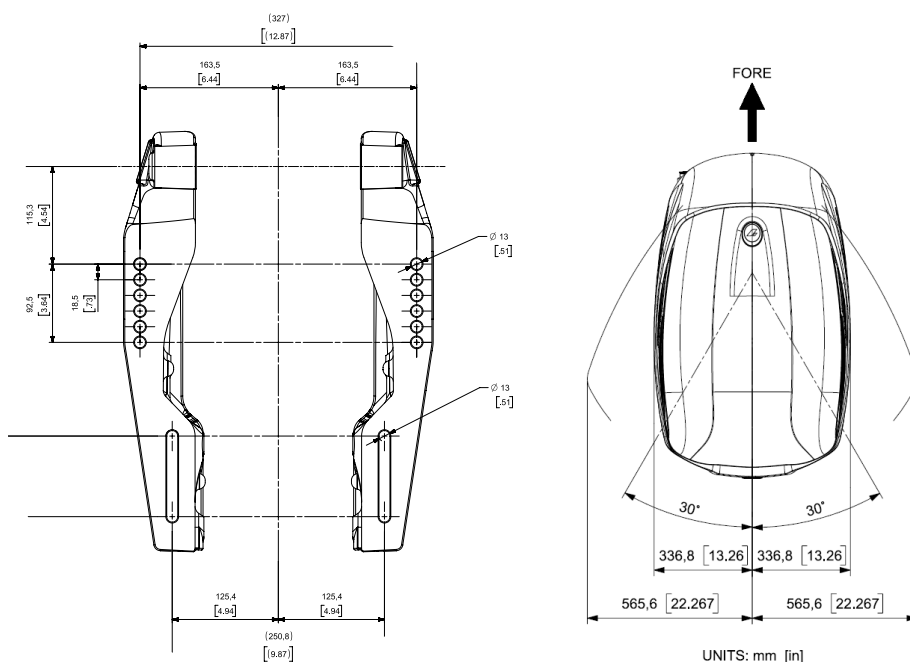
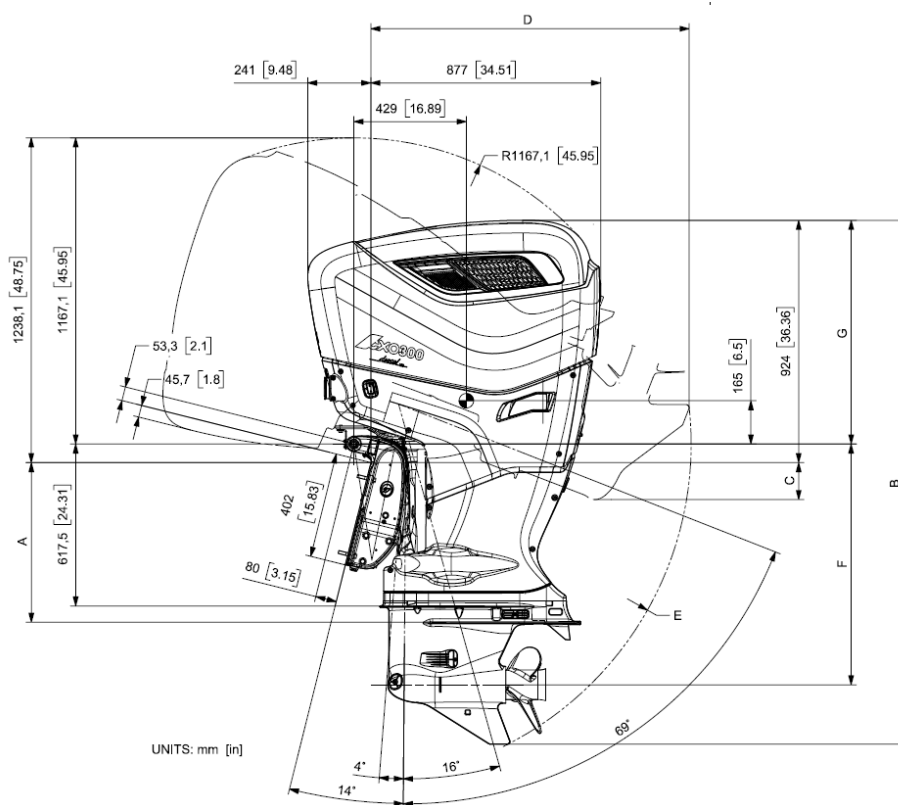
35" leg length

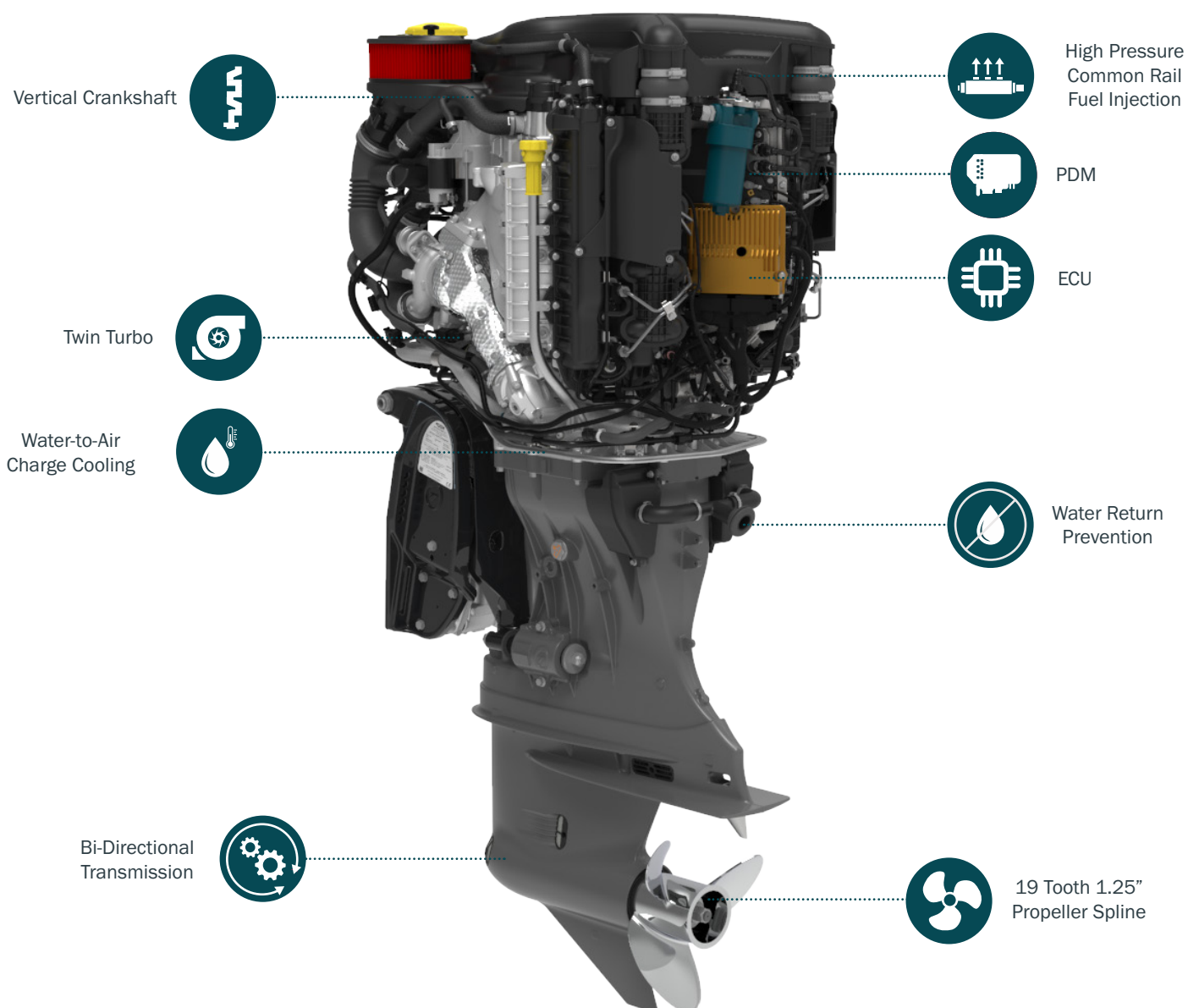
Dimensions – mm (in)

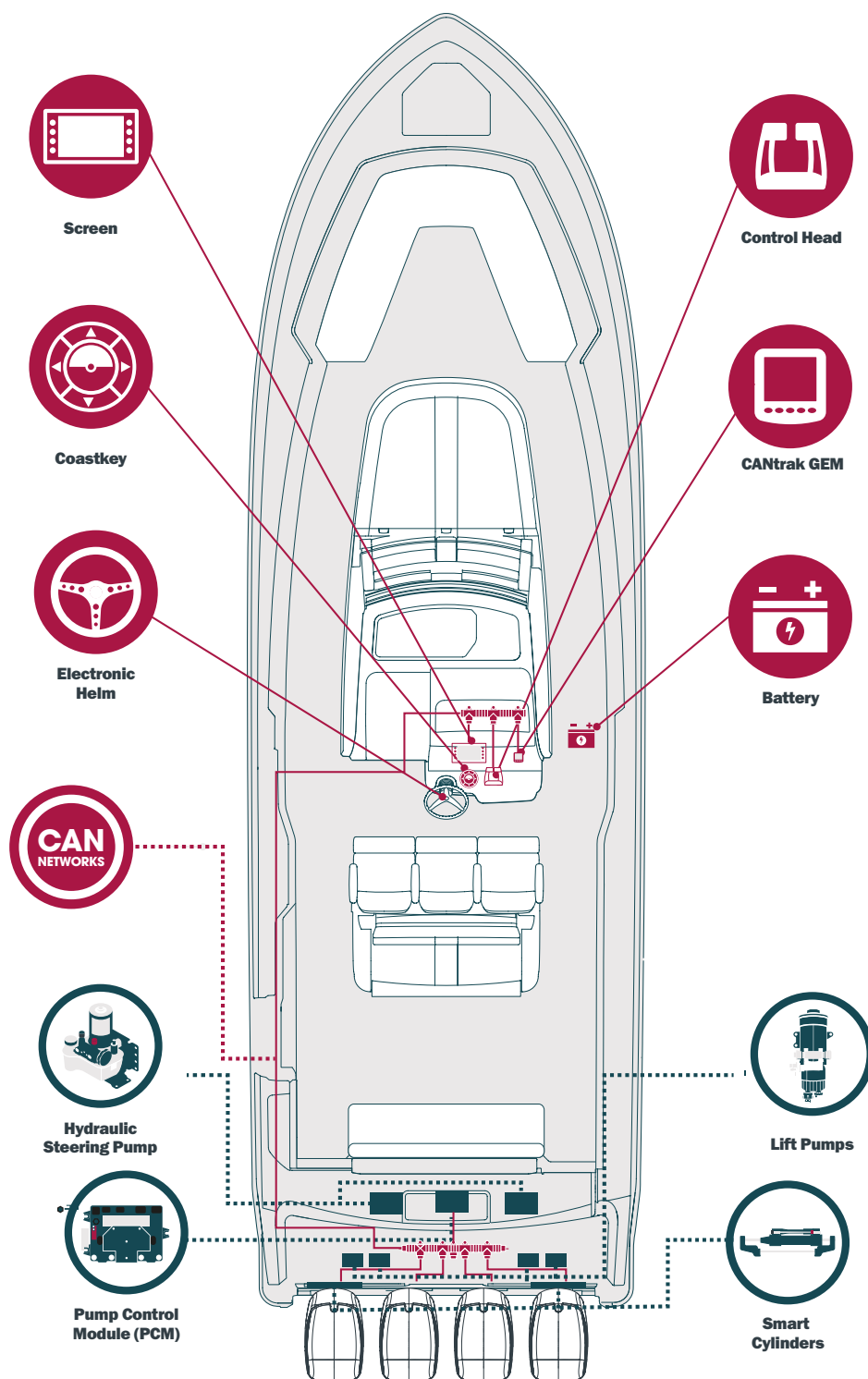
A	888 (35)
B	2238 (88.1)
C	204 (8)
D	1450 (57.1)
E	1551 (61)
F	1172 (46.1)
G	853 (33.58)

CXO300
**Plan view /
Transom interface**

Dimensions - mm (in)







More information

To find out more about Cox diesel outboards, please contact your nearest distributor www.coxmarine.com/distributors

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