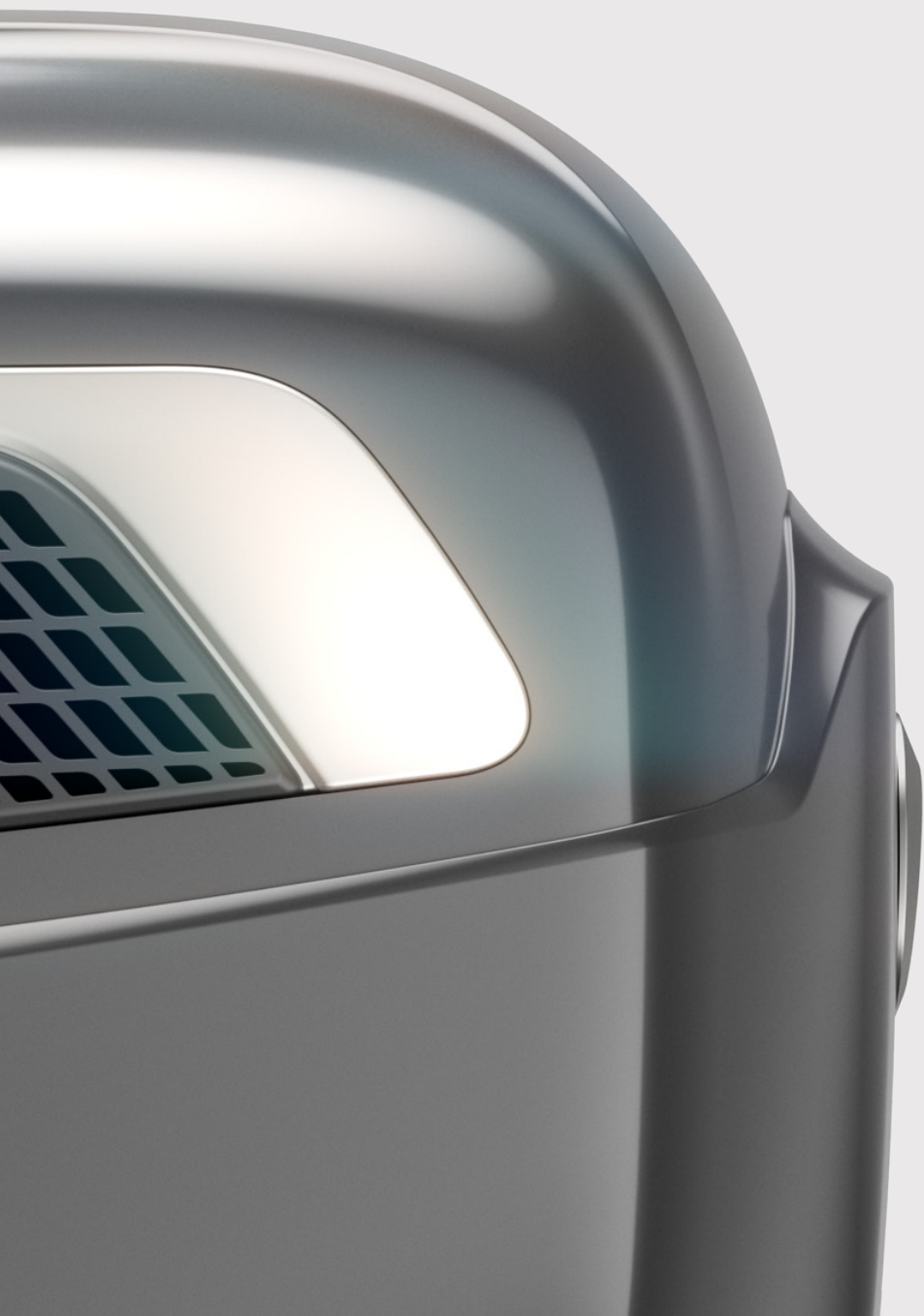


# V8

## **Diesel Outboard**

Technical Specification



# THE V8

## Technical Data

Outboard	300 V8	350 V8
Power at the propeller, kW (hp)	224 (300)	261 (350)
Power at the crank, kW (hp)	230 (308)	267 (358)
Outboard propping speed, rpm	3700 - 4000	
Peak torque at the prop, Nm (lb-ft)	998 (736)	1052 (776)
Outboard weight (25" leg), kg (lb)	393 (866)	
Emissions compliance	EPA 3, IMO II, RCD II, RCR, BSO-II	EPA 3, IMO II, RCD II, RCR
Trim range	-4° to +16°	
Tilt range	71°	
Colour options	Graphite Black & Signal White	
Transom spacing, mm (in.)	762 (30)	
Initial service interval	50 hours	
Recurring service interval	250 hours	150 hours

### Powerhead

Architecture	V8
V angle	60°
Displacement, litre (cu. in.)	4.4 (269)
Bore/Stroke, mm (in.)	84/98.5 (3.3/3.9)
Compression ratio	16:1
Fuel system	Common rail fuel injection
Crankshaft orientation	Vertical
Powerhead oil spec	Fully synthetic API CI-4/SAE 10W40 or 5W40
Powerhead cooling system	Raw-water, open loop
Aspiration	Twin-turbo, with electronic boost control
Strokes / cycle	4

# THE V8

## Technical Data

### Transmission

Shaft Lengths, mm (in.)	635 (25), 762 (30) & 889 (35)
Clutch type	Dog clutch
Gear ratio	1.46:1
Propeller spline specification, mm (in)	31.75 (1.25) / 19 tooth
Gear drive	90° spiral bevel
Max propeller specs	16 inch diameter
Standard gear oil specification	API GL-5, 80W-90
Cold climate gear oil specification	API GL-5, 75W-90

### Electronics & Controls

System voltage	12 volt
Alternator	Up to 100 Amp flywheel-integrated (default 42A configuration)
Throttle Control	Dometic (electronic)
Ignition Control	Electric, with key-loss fob and wireless man-overboard technology
NMEA Compatability	NMEA200
Engine displays	Murphy Powerview
Steering system	Dometic Seastar EPS

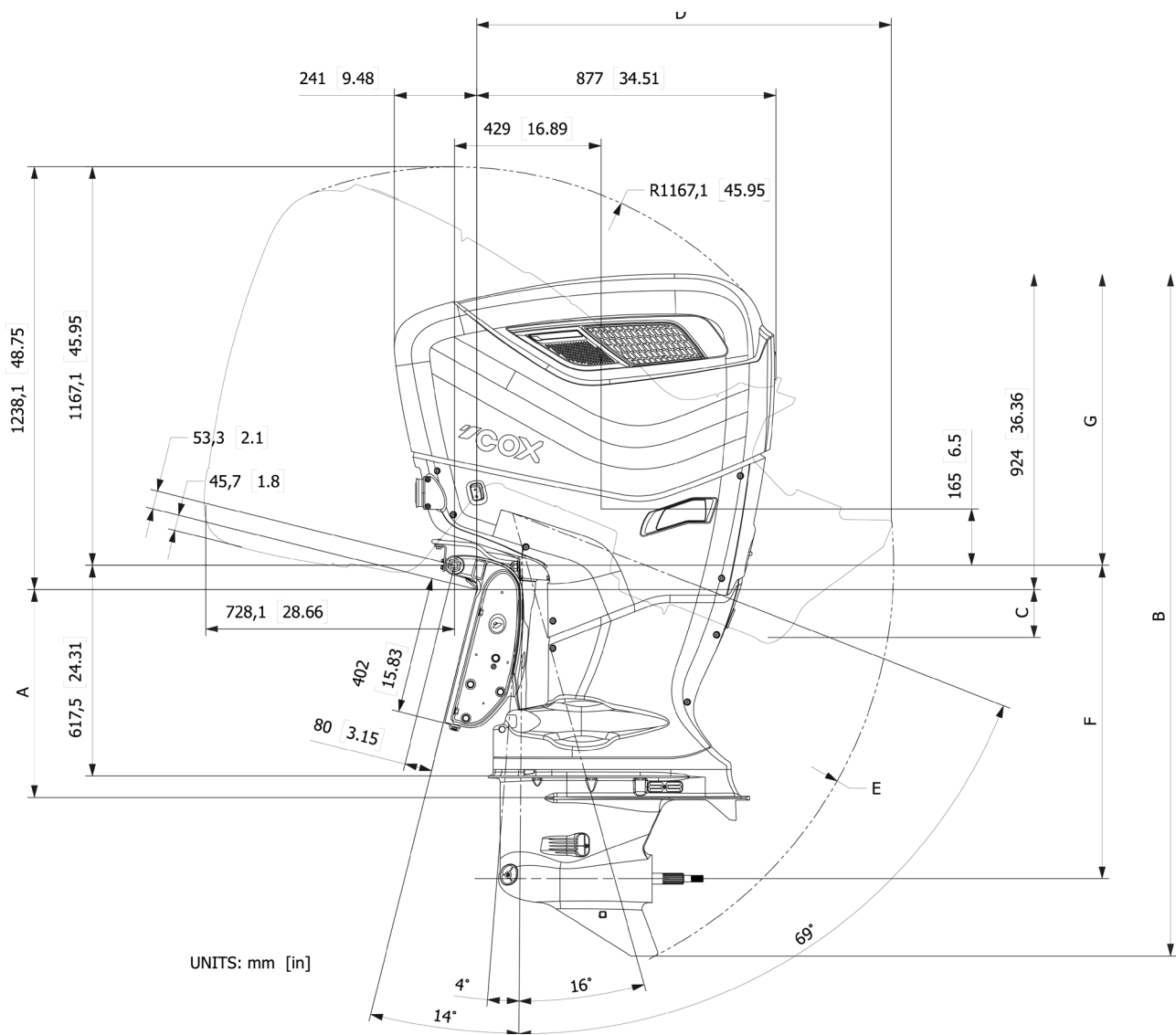
### Warranty

Duty Rating	Light-duty commercial
Recreational Warranty	Five (5) years / 1500 hours Max. 1 hr in 12 at full load Typical load factor of 30% at up to 400 hours per year
Commercial Warranty	Twelve (12) months / 1000 hours Max. 2 hrs in 12 at full load Typical load factor of 50% at up to 1500 hours per year
Commercial+ Warranty	Eighteen (18) months / 1500 hours Max. 2 hrs in 12 at full load Typical load factor of 50% at up to 1500 hours per year

*Commercial+ Warranty is only applicable if the outboard(s) were commissioned in one of the following territories:  
North America, Europe, Australia, New Zealand, South Korea, Singapore & Japan.*

# The V8

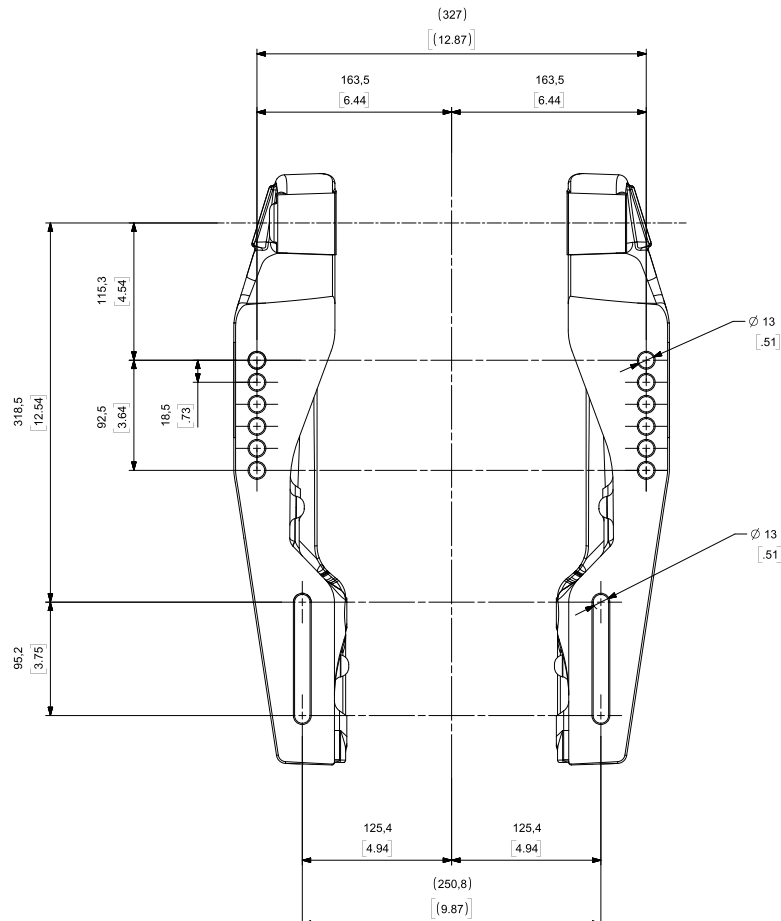
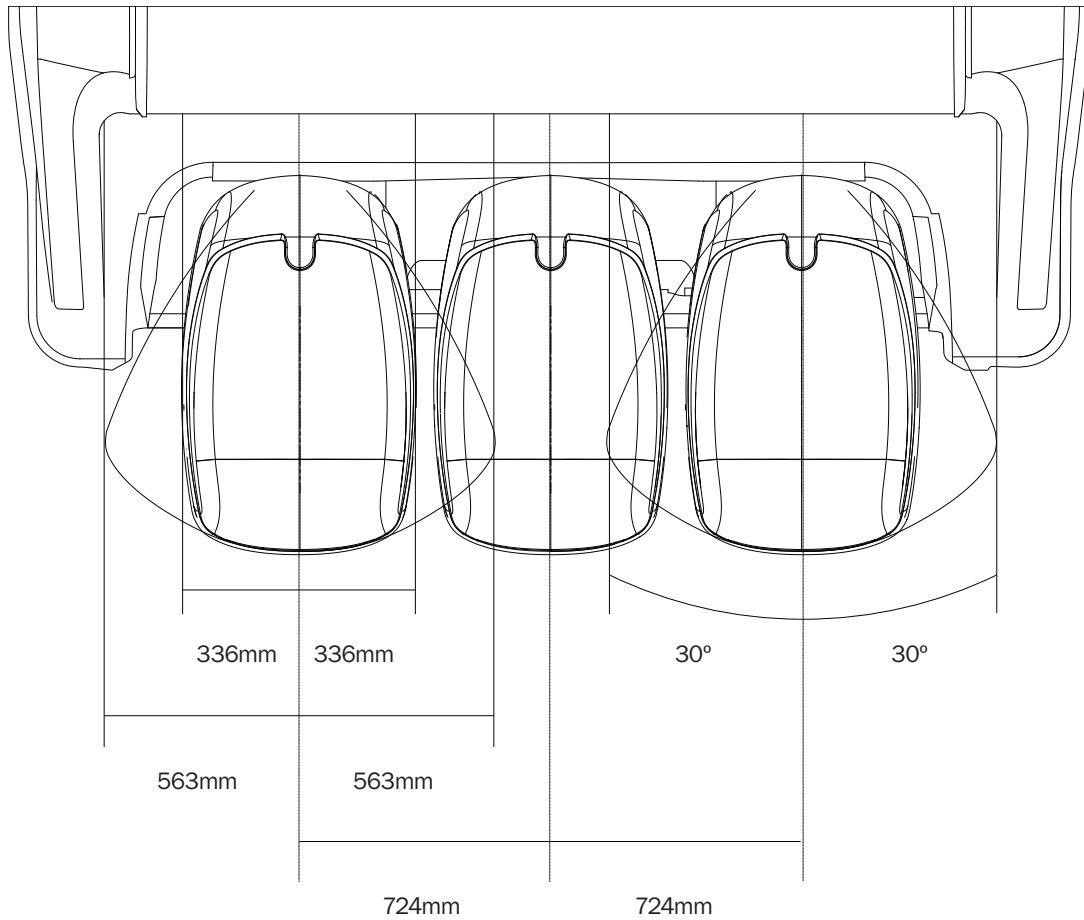
## Dimensions



	A	B	C	D	E	F	G
25" Leg	609 [24"]	1997 [78.6"]	151 [5.6"]	1214 [47.8"]	R1286 [50.7"]	978 [36.1"]	853 [33.58"]
30" Leg	732 [29"]	2124 [83.6"]	268 [10.5"]	1341 [52.8"]	R1413 [55.6"]	1045 [41.1"]	853 [33.58"]
35" Leg	863 [34"]	2251 [88.6"]	395 [15.6"]	1468 [57.8"]	R1540 [60.7"]	1172 [46.1"]	853 [33.58"]

# The V8

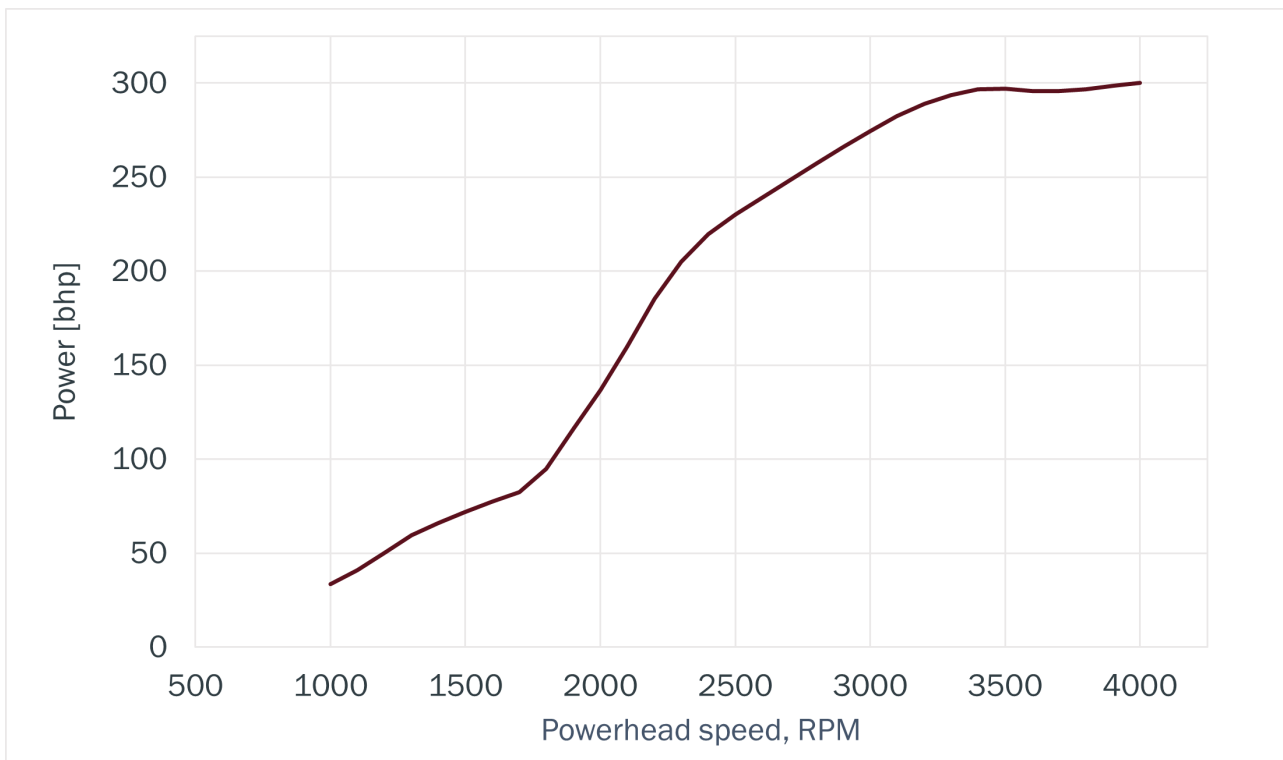
## Dimensions



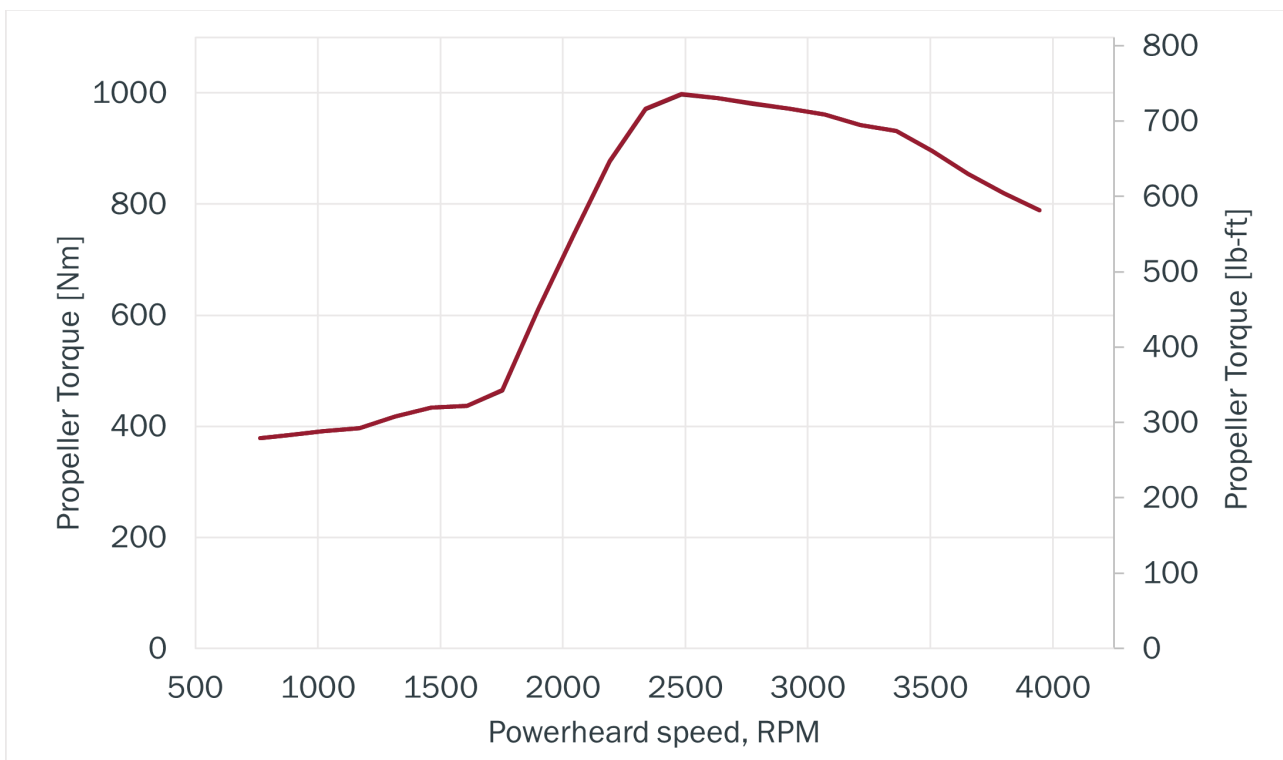
# 300 V8

## Performance

300 V8 Power Curve



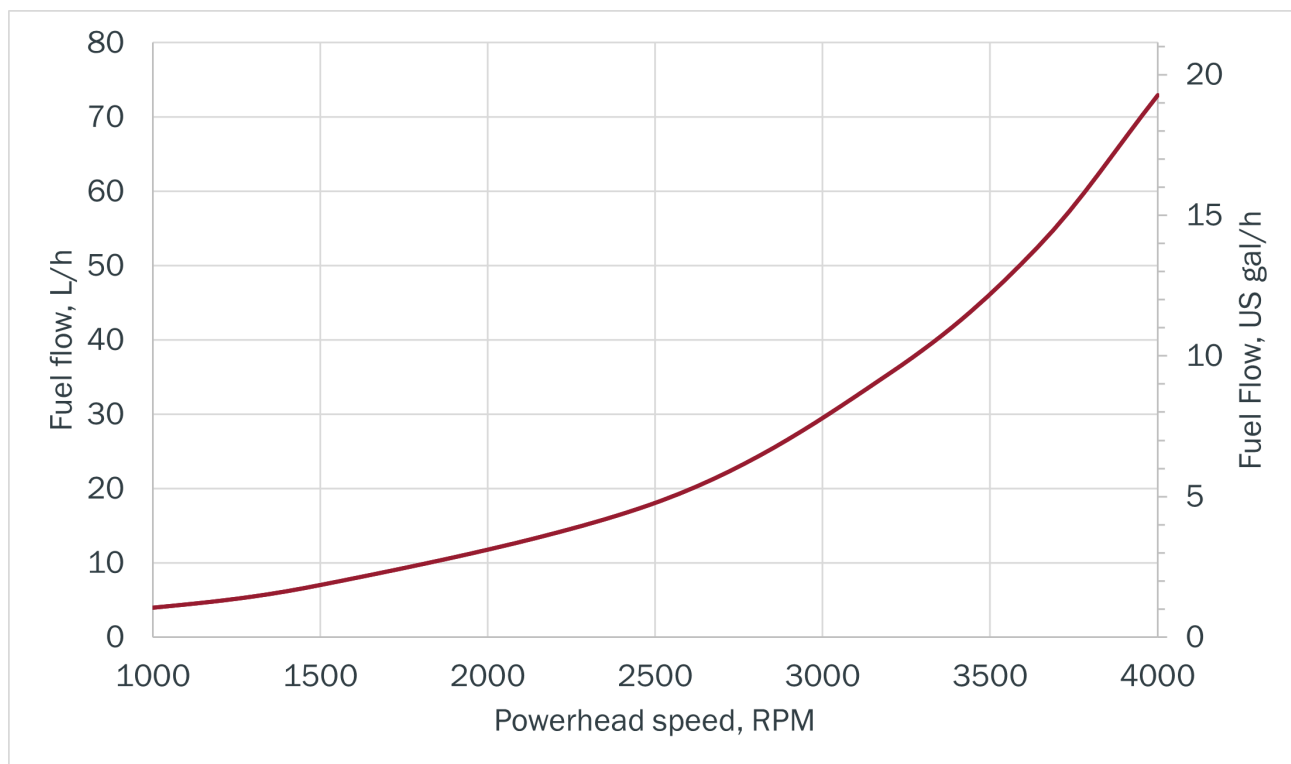
300 V8 Torque Curve



# 300 V8

## Performance

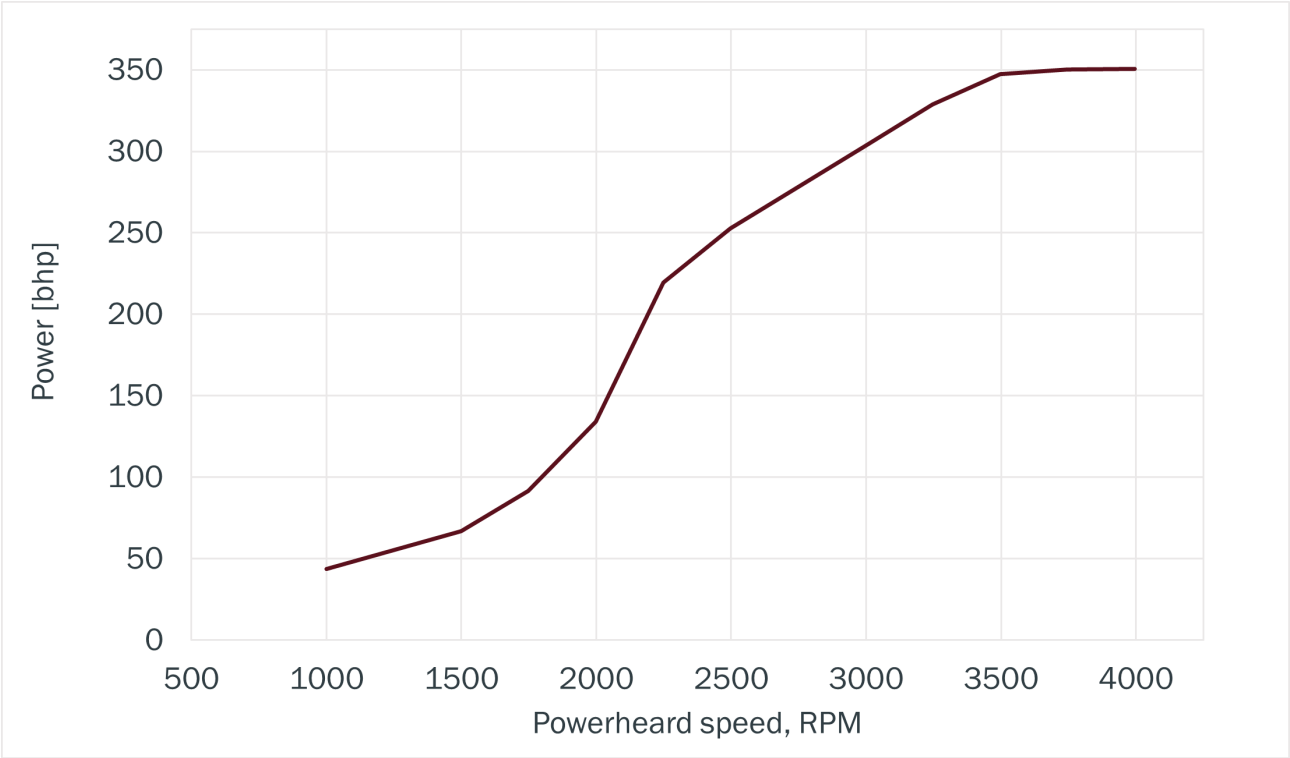
300 V8 Fuel Curve



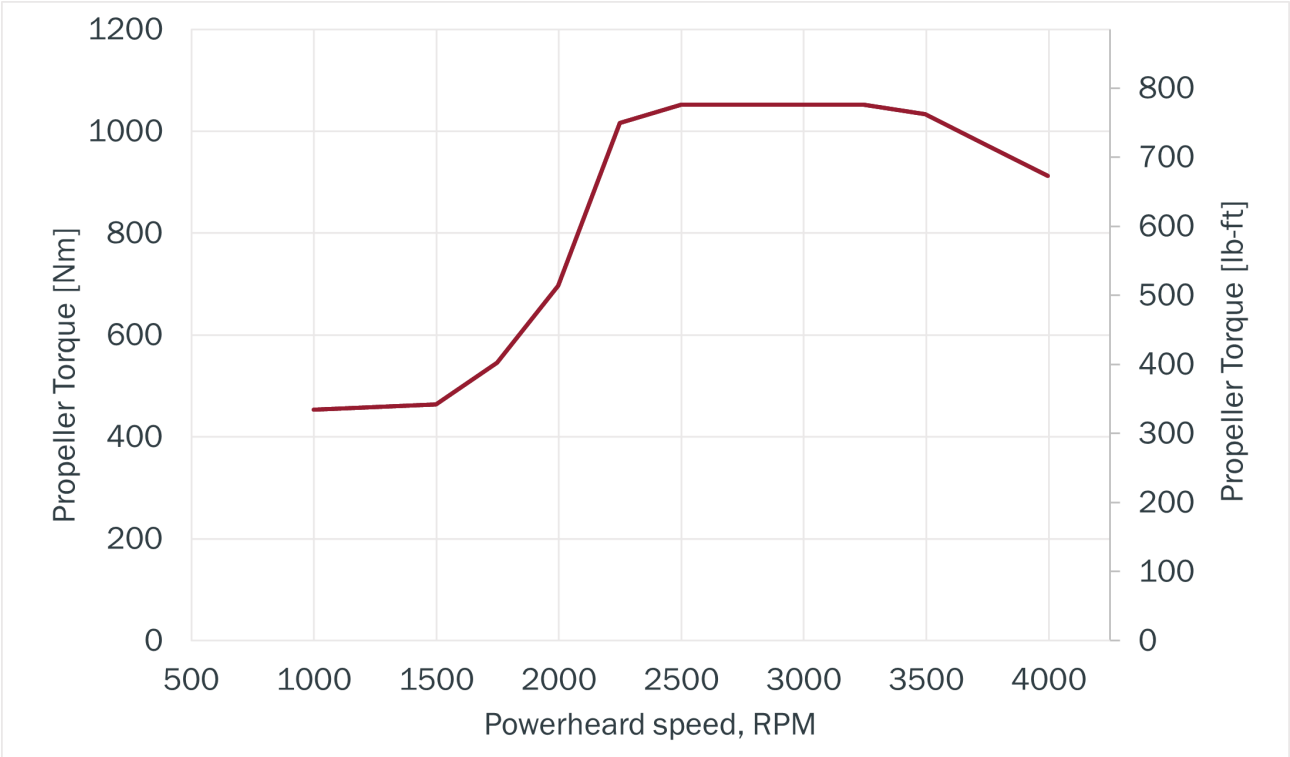
# 350 V8

## Performance

350 V8 Power Curve



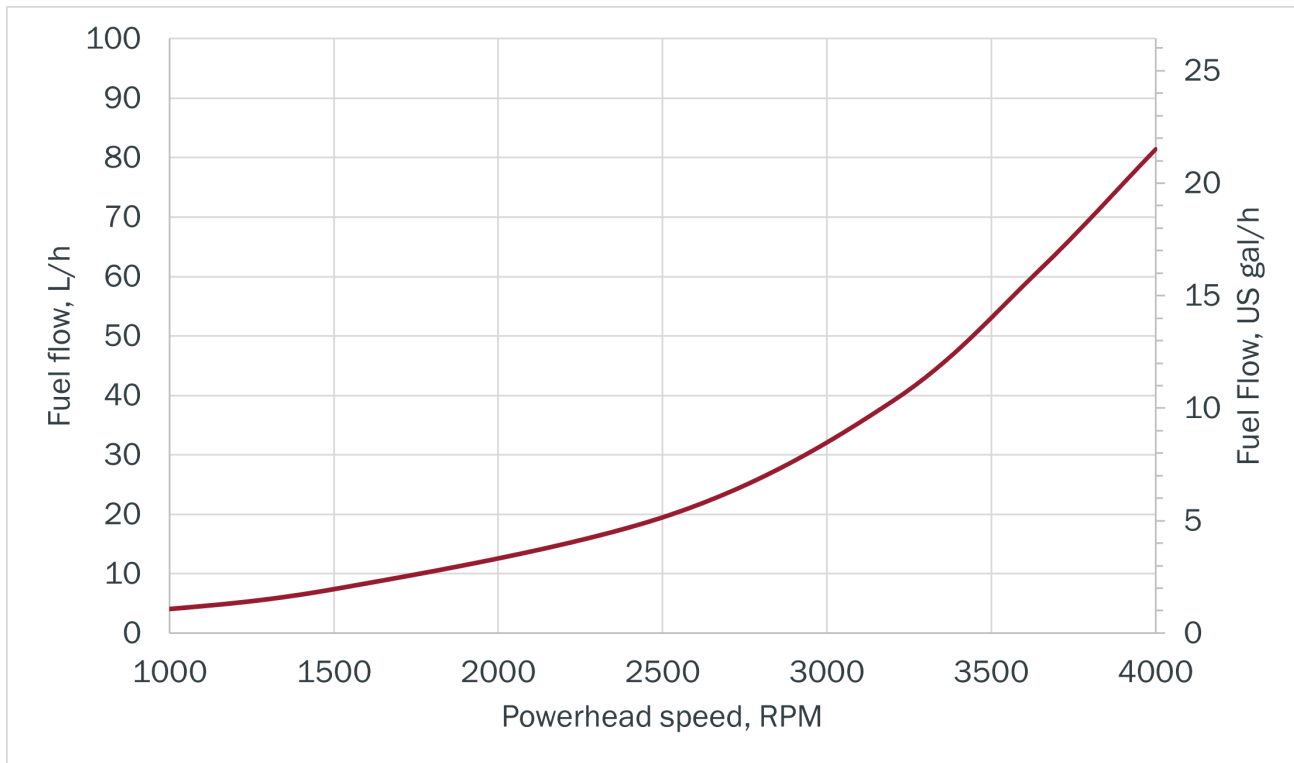
350 V8 Torque Curve



# 350 V8

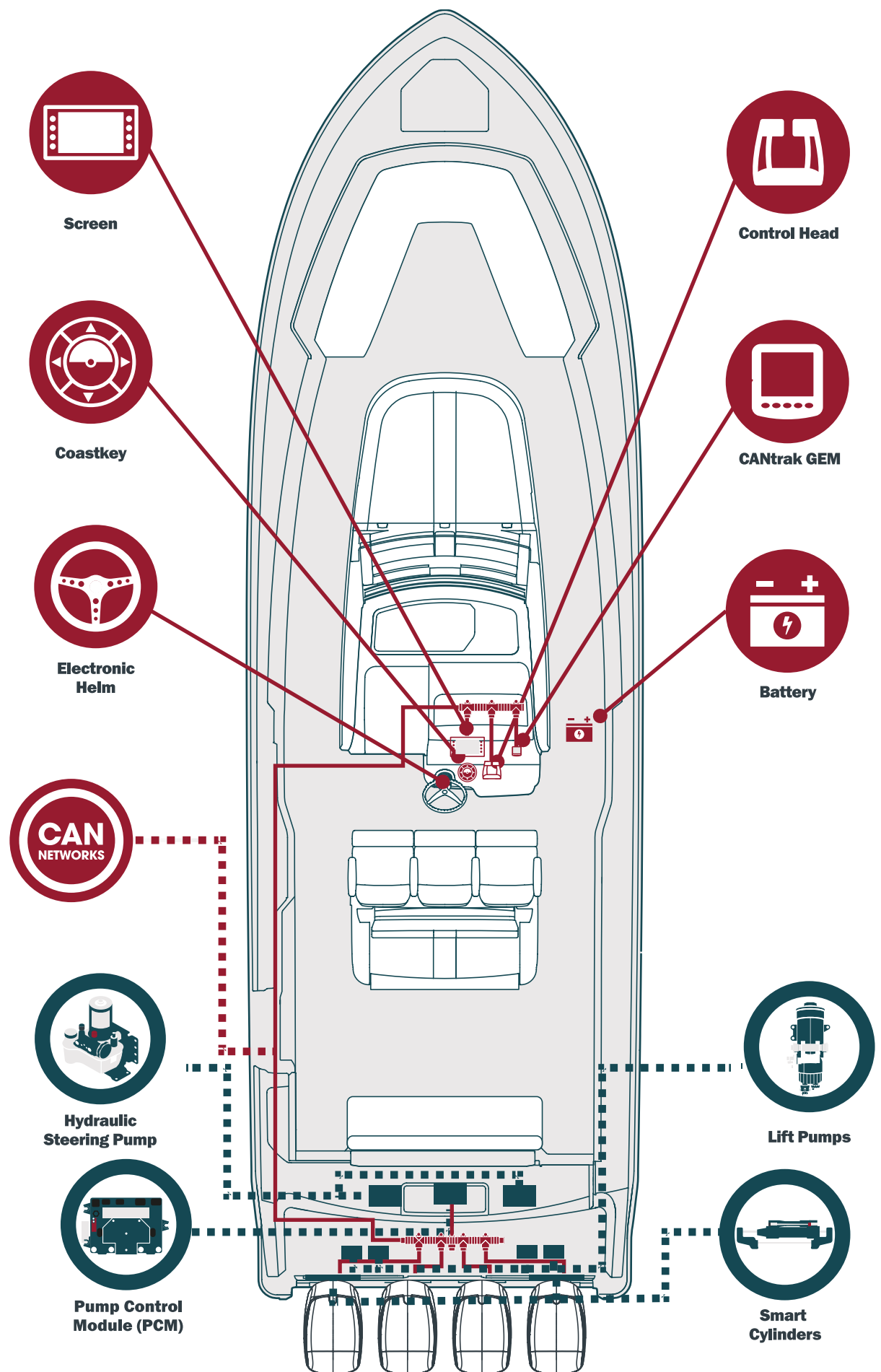
## Performance

350 V8 Fuel Curve



# The V8

## Rigging



# The V8

## Approved Fuels

Europe	EN590, European Ultra Low Sulphur Diesel
	BS2869-2017, Class A2, UK Non-Road Diesel
	EN 15940, Paraffinic diesel from synthesis (including HVO)
North America	ASTM D975, Grade 1, US DF1 (military equivalent) - unsuitable for cold climates
	ASTM D975, Grade 2, US DF2 (military equivalent), North American Diesel Fuel
	CAN/CGSB-3.517, Types: A-LS, B-LS, A-ULS, B-ULS, Canadian Low-Sulphur Diesel Fuel
	CAN/CGSB-3.520, Types: A-LS Bx, B-LS Bx, Canadian Low-Sulphur Diesel <5%v/v FAME
Asia	JIS K2204:2007, Grades 1, 2 & 3 & Special Grade 3, Japanese Diesel Fuel
	Ministry of Commerce, Energy and Industry - Notifications No. 2016-20, Korean Diesel
	IS1460: 2017 Bharat IV, Indian diesel fuel (50ppm sulphur)
	IS1460: 2017 Bharat VI, Indian diesel fuel (10 ppm sulphur)
	GB19147-2016 Stage VI: China national on-road standard (<1%v/v FAME)
	DB11/239-2016, China: Beijing fuel and other Chinese metropolitan fuel standards which have quality equivalent to GB19147-2016
Oceania	Australia Fuel Standard (Automotive Diesel) Determination 2001
	SR 2011/352, Schedule 2, New Zealand Diesel
Africa	SANS 342:202014, CF1 & CF2, South Africa Diesel Fuel
Military	NATO F54 (Diesel Fuel Military),
	NATO F75 (Fuel Naval Distillate - Low Pour Point)
	NATO F76 (Fuel Naval Distillate)
Other	Standards equivalent to EN 590 that allow up to 7%v/v FAME meeting EN 14214.
	Standards equivalent to ASTM D975 Grade 2 up to 5%v/v FAME meeting ASTM D6751.
	Marine Distillate ISO 8217 2017 DMX, DMA and DFA

**Cox Marine**

8 Cecil Pashley Way  
Brighton City Airport  
Shoreham by Sea  
BN43 5FF, United Kingdom

**Contact Us**

+44 (0)1273 454 424  
contact@coxpowertrain.com  
coxmarine.com

