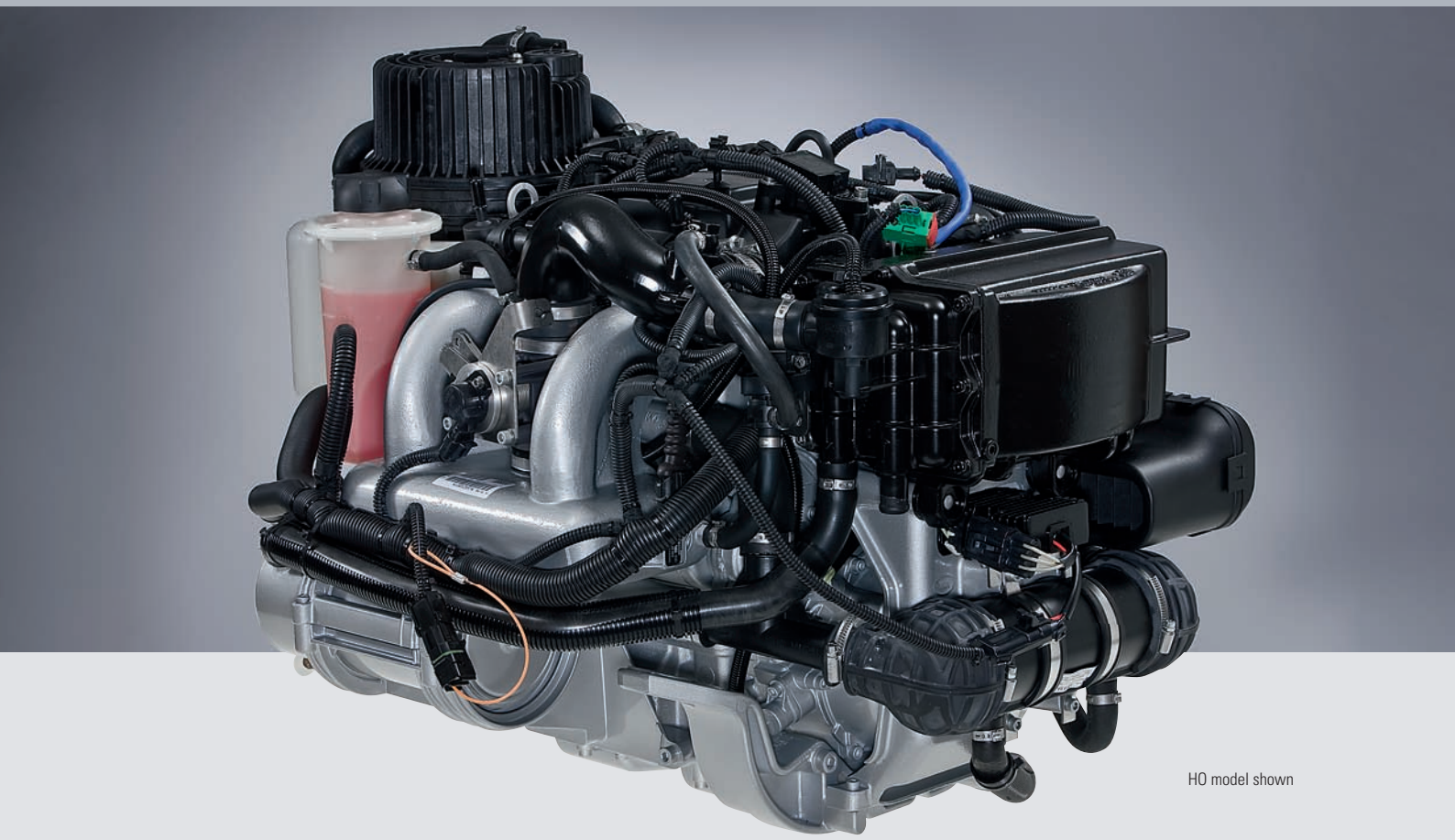
Weber Motor

MPE 750 Four Stroke Marine TC

Intercooled Turbo: Standard Output (SO) – 76 kW (104 hp), High Output (HO) – 105 kW (143 hp)



HO model shown

Technical Specifications

Type	Turbocharged and Intercooled, Four Stroke, Overhead Cam, Parallel Twin	
Displacement	750 cc	
Power	SO: EU: 73 kW (100 hp) US: 76 kW (104 hp)	HO: 105 kW (143 hp)@7500 rpm
Torque	SO. 110 Nm	HO: 130 Nm@5000 rpm
Bore x Stroke/Compression	85 mm x 66 mm/9:1	
Alternator, Internal	350 W nominal@12 V (25 A)	
Cooling System	Closed Loop Liquid Cooling System	
Lubrication System	Dry Sump	
Starting System	Integrated Electrical Starter	
Fuel Delivery System	Map based, multipoint electronic fuel injection	
Aspiration	Turbocharged (TC)	
Fuel Requirement	Premium unleaded gasoline (95 ROZ/91 R+M/2)	
Weight	SO: 90 kg/198 lbs	HO: 94 kg, 207 lbs

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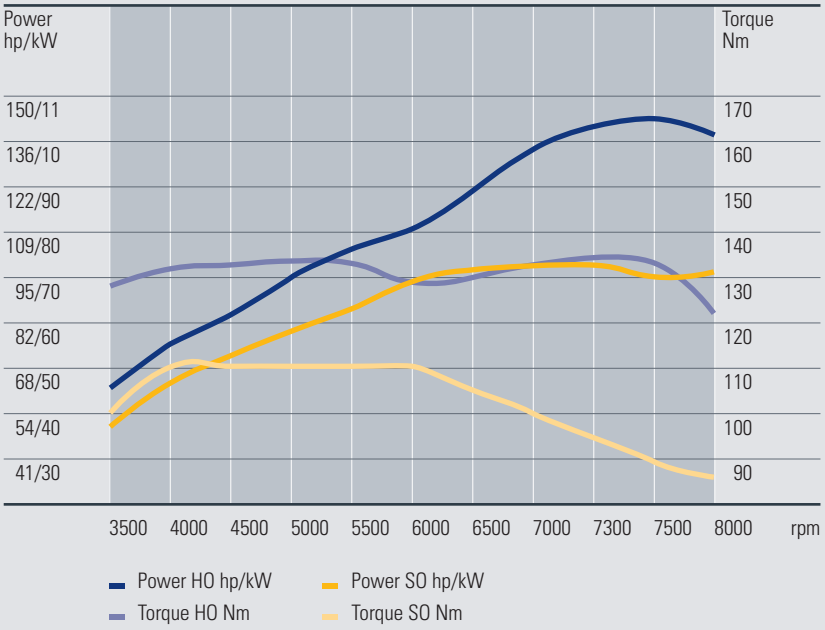
The Turbocharged (TC) engine family is a proven and durable marine power solution that's been in series production since 2003. It features a parallel twin, overhead cam engine with multi-point fuel injection that includes a closed-loop, thermostat-controlled cooling system, turbo-charging with intercooler, knock and lambda control. It provides a new level of technological content to realize industry leading performance in a compact package combining remarkably low fuel consumption, very low emissions and an outstanding hp/weight ratio. It is a complete "plug and play", drop-in marine power plant.

Performance curve



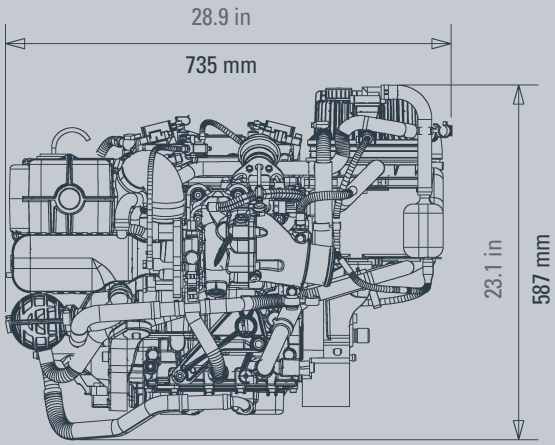
Application Information

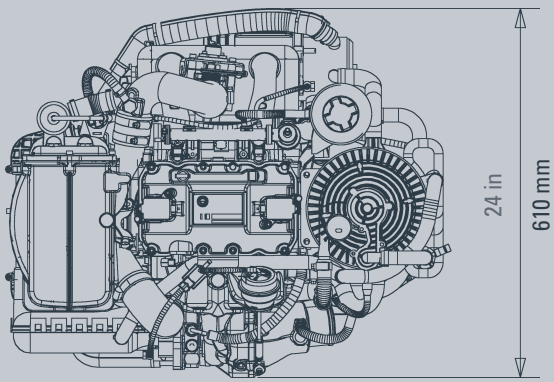
- Recommended for marine applications up to 6 m/20 ft. in length and 1,000 kg/2,200 lbs fully loaded
- Fiberglass and aluminum boats, PWCs & RIBs
- CAD files available for engine envelope and interface definition

Advantages

- Best in-class hp/weight ratio, consumption and reliability
- Compact package allows for design flexibility and more usable space
- Durable & proven, over 25,000 MPE-750 produced and in the field
- Industry leading fuel efficiency
- Low NVH – smooth and quiet
- Low Emission: US EPA, CARB 3 Star and Euro Compliant
- Easy to use – drop in "Plug & Play" solution
- Closed loop cooling system
- Rapid warm-up – ideal for short distances
- Map-based multi-point electronic fuel injection
  - automatic temperature and altitude compensation
  - no choke
  - quick response, no bogging
- Optimized design for no perceivable turbo lag

Key Dimensions





HO shown, SO within this envelope dimension

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