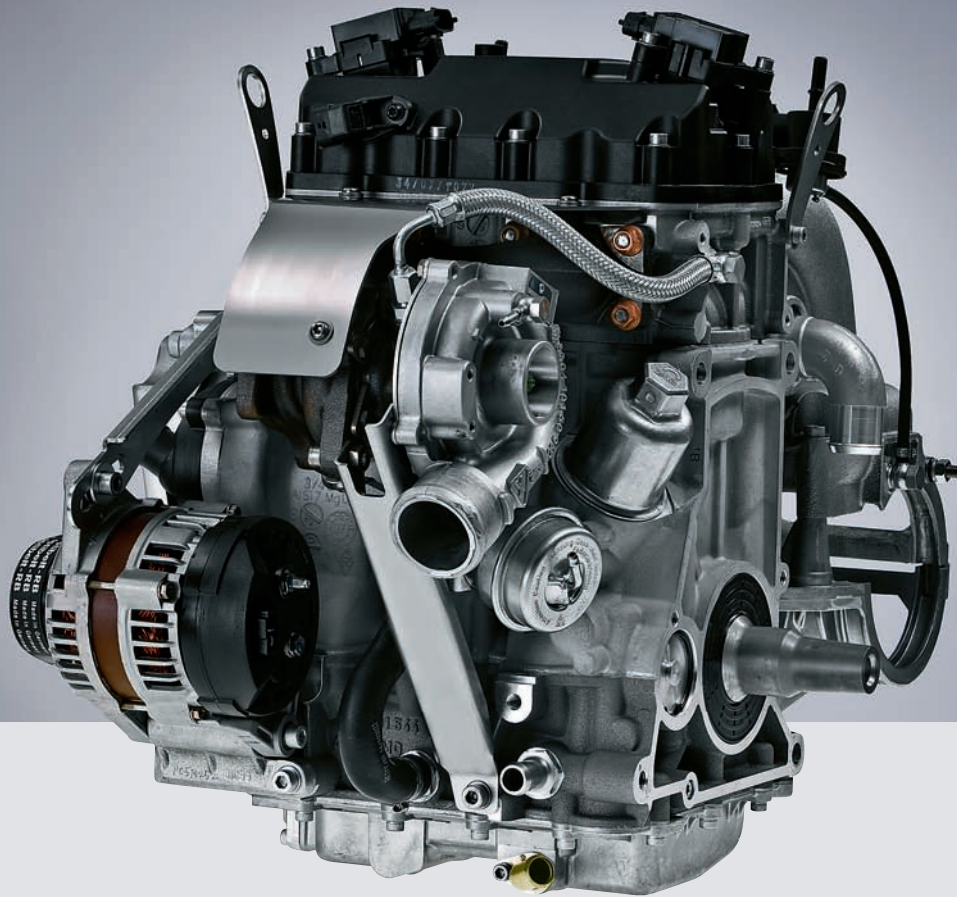




Weber Motor

MPE 750 Four Stroke for Recreational Powersports

Naturally Aspirated (NA) – 51 kW (70 hp) & Turbocharged (TC) – 88 kW (120 hp)



TC model shown

Technical Specifications

Type	Four Stroke, Overhead Cam, Parallel Twin	
Displacement	750 cc	
Power	NA: 51 kW (70 hp)	TC: 88 kW (120 hp) @ 7500 rpm
Torque	NA: 65 Nm @ 7000 rpm	TC: 120 Nm @ 5000 rpm
Bore x Stroke/Compression	85 mm x 66 mm / 9:1	
Alternator, Internal	750 W Nominal @ 12 V (55 A)	
Cooling System	Liquid Cooled	
Lubrication System	Dry Sump	
Starting System	Integrated Electrical Starter	
Fuel Delivery System	Map based, multipoint electronic fuel injection	
Aspiration	NA: Naturally Aspirated	TC: Turbo Charged
Fuel Requirement	Premium unleaded gasoline (95 ROZ / 91 R+M/2)	
Weight	NA: 52 kg / 114 lbs	TC: 60 kg / 132 lbs

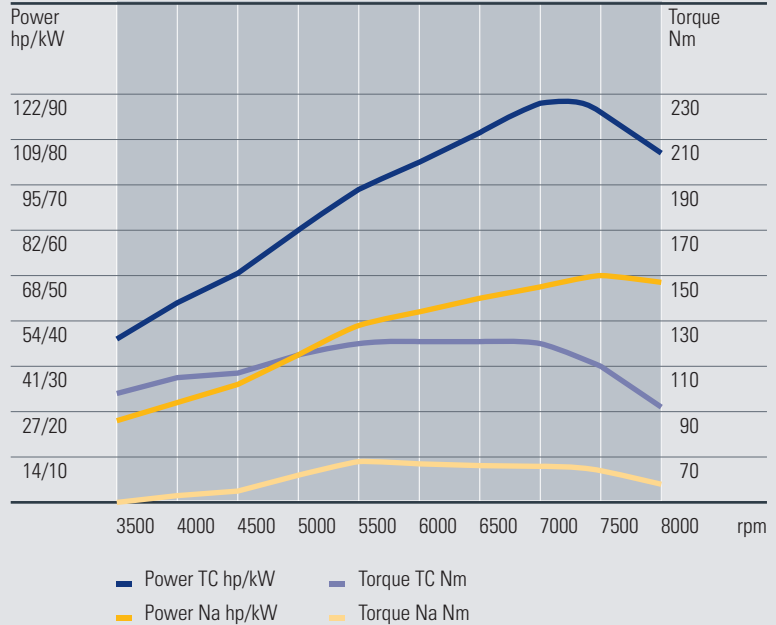


MPE 750 Four Stroke for Recreational Powersports

Naturally Aspirated (NA) – 51 kW (70 hp)

Turbocharged (TC) – 88 kW (120 hp)

Performance Curve



The MPE-750 is a proven and durable solution for powersports, utility and other multi-purpose applications. In series production since 2003, over 25,000 units have been produced to date in turbo (TC) and naturally aspirated (NA) versions. This compact, parallel twin engine utilizes the highest technology and premium materials to produce industry leading performance with remarkably low fuel consumption, very low emissions and an outstanding hp/weight ratio.

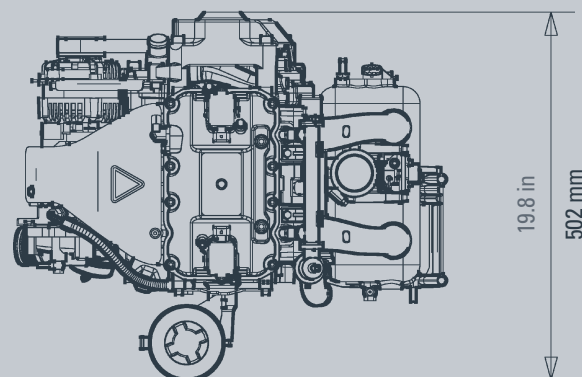
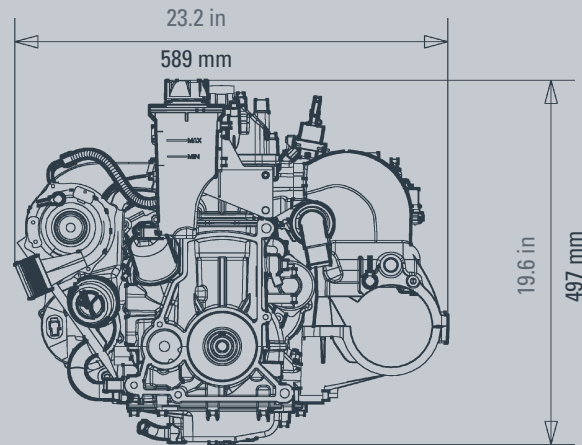
Application Information

- Suitable for vehicles up to 550 kg/1,200 lbs. dry weight, but limit is highly dependant on vehicle application, gearing and load
- Buggies, ATVs, UTVs, Go-Karts, Hovercraft, Military Vehicles...
- 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: NA is US EPA certified, CARB capable, TC certification capable
- Dry Sump Lubrication allows for extreme incline and roll performance
- Map-based multi-point electronic fuel injection
 - automatic temperature and altitude compensation
 - no choke
 - quick response, no bogging

Key Dimensions



TC model shown, NA within this envelope dimension