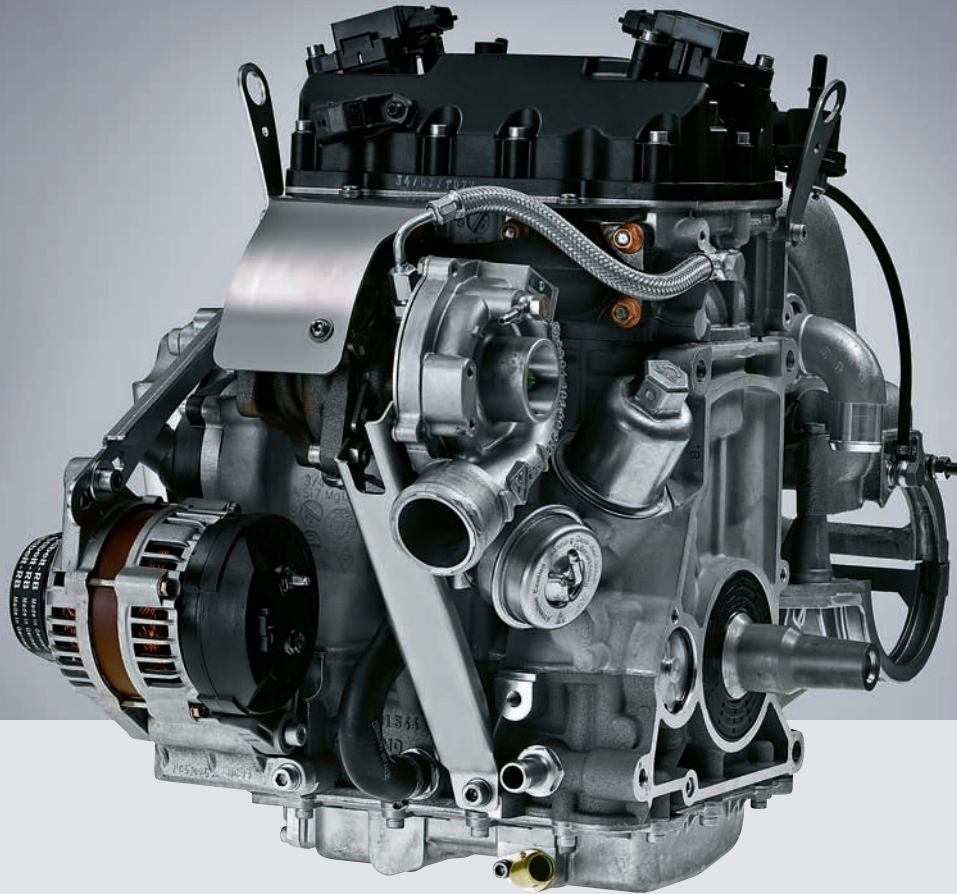




# Weber Motor

## MPE 750 Four Stroke for Recreational Powersports

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



TC model shown

### Technical Specifications

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



# MPE 750 Four Stroke for Recreational Powersports

Naturally Aspirated (NA) – 70 hp  
Turbocharged (TC) – 120 hp

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.

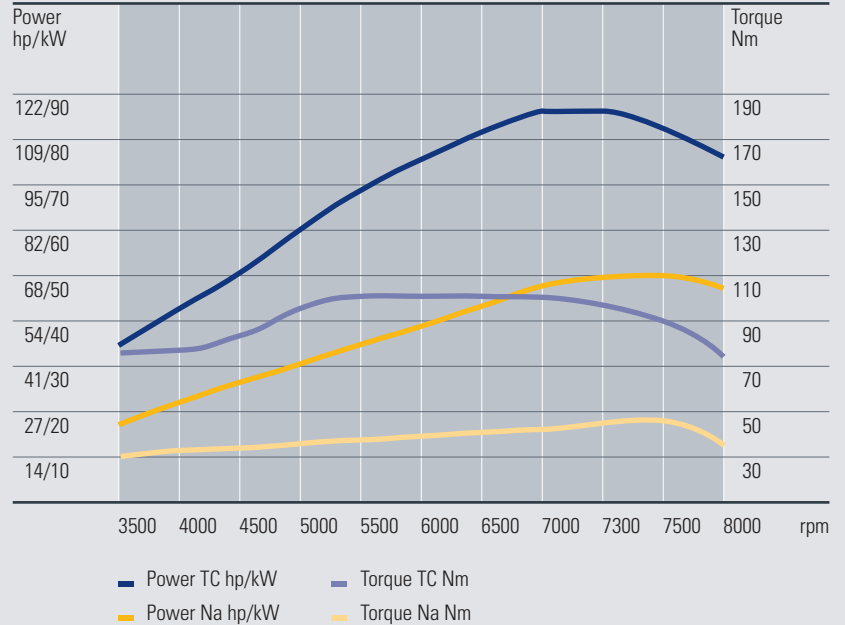
## Application Information

- 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

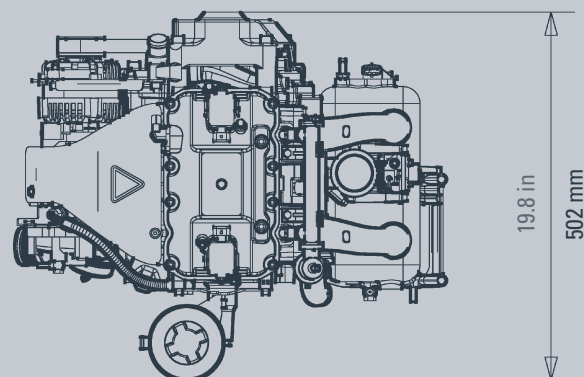
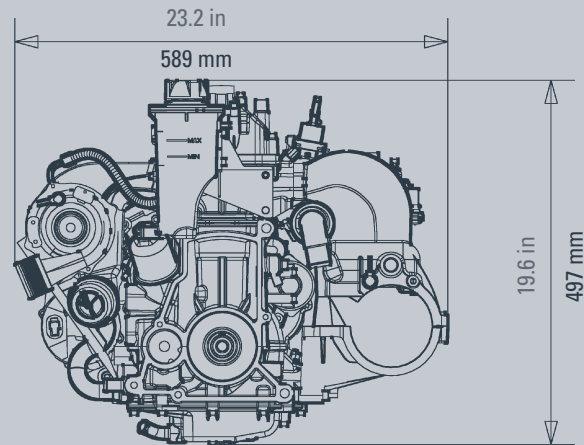
## Advantages

- 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

## Performance Curve



## Key Dimensions



TC model shown, NA within this envelope dimension