TSG-416
Base Industrial Engine EFI
1.6-Litre 4-Cylinder

Powerful Performance from one source.
Specifications

Engine Type................. 4-Cylinder
Displacement............... 1.6 Litre (97.4 CID)
Compression Ratio......... 9.5:1
Oil Capacity............. 4.4 Qts (4.2 litres)
Net Weight................ 200 Lbs (90.7 Kgs)
Dimensions............. 1.24" x 1.185" x H 24.7" (612 mm x 481 mm x 627 mm)

Gasoline (corrected per SAE J 1995)

Fuel Specification.............. 87 A.K.I.
Rated Power @ 3600 RPM ......... Intermittent: 63 HP (47 kW)
                        Continuous: 53 HP (40 kW)
Peak Torque @ 3200 RPM .......... Intermittent: 63 Ft. Lbs. (87 Nm)
                        Continuous: 49 Ft. Lbs. (66 Nm)
Power @ 1800 RPM ............. Intermittent: 29 HP (22 kW)
                        Continuous: 24 HP (18 kW)

Natural Gas (corrected per SAE J 1995)

Fuel Specification.............. 92 A.K.I.
Rated Power @ 3600 RPM ......... Intermittent: 53 HP (43 kW)
                        Continuous: 48 HP (36 kW)
Peak Torque @ 3200 RPM .......... Intermittent: 86 Ft. Lbs. (117 Nm)
                        Continuous: 73 Ft. Lbs. (99 Nm)
Power @ 1800 RPM ............. Intermittent: 26 HP (19 kW)
                        Continuous: 22 HP (17 kW)

Liquefied Petroleum Gas (corrected per SAE J 1995)

Fuel Specification.............. 85 A.K.I.
Rated Power @ 3600 RPM ......... Intermittent: 53 HP (43 kW)
                        Continuous: 53 HP (40 kW)
Peak Torque @ 3200 RPM .......... Intermittent: 117 Ft. Lbs. (160 Nm)
                        Continuous: 99 Ft. Lbs. (134 Nm)
Power @ 1800 RPM ............. Intermittent: 26 HP (19 kW)
                        Continuous: 22 HP (17 kW)

Standard Features/ Benefits

- Single Overhead Camshaft (SOHC) Featuring Single Sleeve Type, Chain Driven Camshaft with Hydraulic Tensioning System for reduced engine noise and friction, increased performance, durability and service-free chain tending
- Low Friction Roller Finger Follower Valve Train for minimal friction, improved reliability and increased torque
- Low Pressure Die Cast Aluminum Cylinder Head for improved durability and decreased weight
- Alternate-Fuel-Ready Valve Train Components for alternate fuel operation
- Cast Iron High Compression Swirl (HCS) Cylinder Block for reduced emissions and improved combustion efficiency
- Piston Cooling Jets for increased performance and durability
- Integrated Knock Sensor for improved engine protection and increased engine durability
- Modular, Graphite Cast Iron Camshaft with Five Main Bearings for increased strength and durability
- Cast Iron Exhaust Manifolds for Off-Highway Market for increased engine performance and durability
- Polyamide Plastic Camshaft Cover for corrosion resistance and reduced noise
- Coil Assembly Electronic Ignition System with Cam and Crank Shaft Position Sensors for reliable and effective spark delivery
- Gasoline Sequential Port Fuel Injection ensures controlled fuel delivery throughout the various engine speeds, providing increased performance and reducing emissions
- Close-Loop Fuel Control for improved emissions control
- Next Generation Governing Using the Latest DC, Step-Pin-Motor Technology for accurate, dependable and reliable speed control

Options

- Powerhead Housing
  - SAE 409 with front and side pads
- Powerhead
  - Fat bus 6-Cyl.
- Aluminum Intake Manifold
- Engine-Mounted Coolant Pass
  - Left: (80) mm diameter swivel
  - Right: (80) mm diameter swivel
- Front Engine Supports (without Radiator)
  - Single Front
  - Dual Front
- N0 Amp Generator
- LH and RH Mounted Starters
  - Parts conform to SAE J1143 Manual specifications
- Electronic Control Modules (ECM)
- Engine Performance Module (EPM)
- Wire Harness
  - Single Foot
  - Dual Foot
- Transmission
  - Single Foot

Specifications are subject to change without notice.