



**Fire Power**

**Engine Specification Sheet**

Cummins Fire Power

DePere, WI 54115

<http://www.cumminsfirepower.com>

**Basic Engine Model**

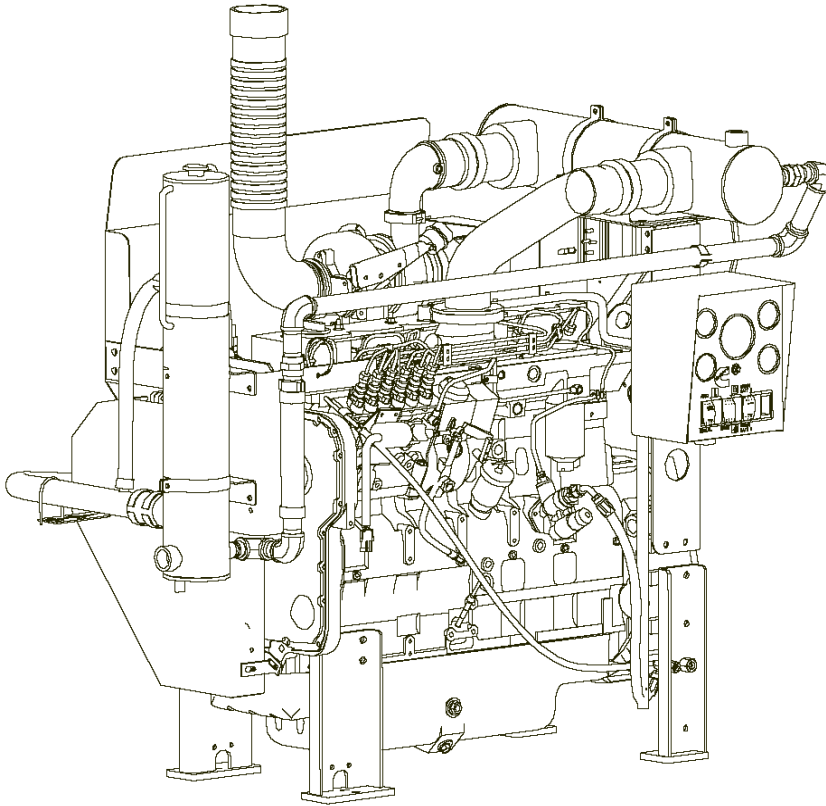
**CFP83-F40**

Curve Number:

**FR - 90940**

Revision Date:

**August 2006**



Equipment	Standard	Optional
Air Cleaner	Direct Mounted, Disposable, Indoor Service	Disposable, Treated for High Humidity, Indoor Service
Alternator	12V-DC, 95 AMPS; With Belt Guard	24V-DC, 45 AMPS; With Belt Guard
Cooling Loop	N/A	Maximum Pressure of 400 PSI
Exhaust Protection	Metal Guards on Manifolds and Turbo	N/A
Exhaust Flex Connection	SS Flex, NPT	SS Flex, 150# Flange
Flywheel Power Take-Off	Flywheel with Mounting for Coupler	• Drive Shaft System • Stub Shaft
Fuel Connections	Fire Resistant Flexible Supply and Return Lines	N/A
Fuel Injection	Direct Injection	N/A
Fuel Filter	Primary Filter with Priming Pump	N/A
Engine Heater	120V-AC, 2250 Watts	240V-AC, 2250 Watts
Governor, Speed	Constant Speed	N/A
Heat Exchanger	Tube & Shell Type, 60 PSI with NPTF Connections	N/A
Instrument Panel	English and Metric, Tachometer, Hourmeter, Water Temperature, Oil Pressure & Two (2) Voltmeters	N/A
Junction Box	Integral with Instrument Panel; For DC Wiring Interconnection to Engine Controller	N/A
Lube Oil Cooler	Engine Water Cooled, Plate Type	N/A
Lube Oil Filter	Full Flow with By-Pass Valve	N/A
Lube Oil Pump	Gear Driven	N/A
Manual Start	On Instrument Panel	N/A
Overspeed Controls	Electronic with Reset & Test on Instrument Panel	N/A
Raw Water Solenoid Operation	Automatic from Engine Controller & from Emergency Local Control	N/A
Run-Stop Control	On Instrument Panel with Control Position Warning Light	N/A
Run Solenoid	12V-DC	24V-DC
Starters	12V-DC	24V-DC
Throttle Control	Adjustable Speed Control	N/A
Water Pump	Poly-Vee Belt Drive with Guard	N/A

**Operating Speed (RPM)**

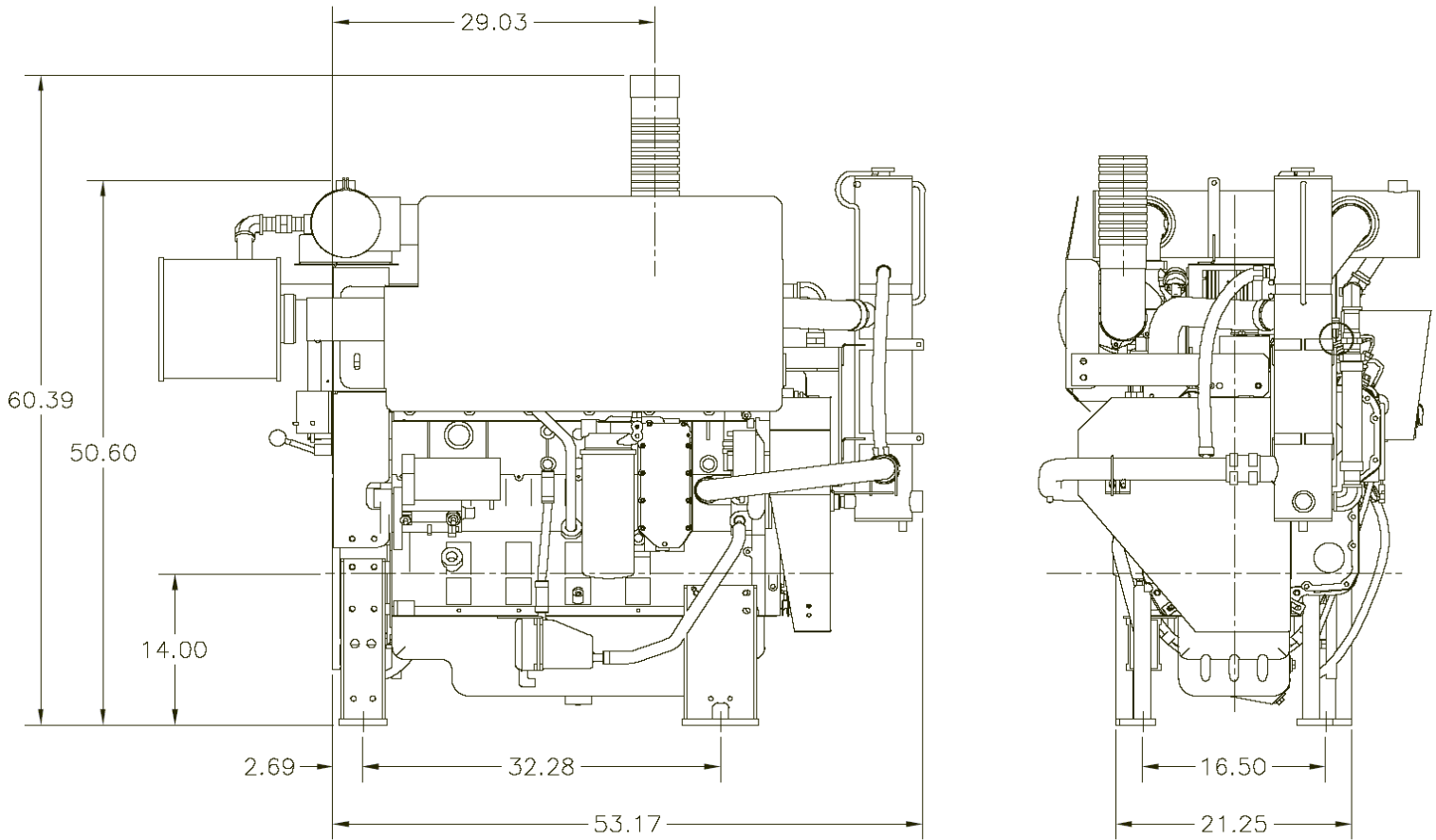
Model	1470	1760
CFP83-F40	247 (184)	288 (215)

Ratings are: HP (kW)

**Specifications**

Aspiration.....	Turbocharged and Charge Air Cooled
Rotation.....	Clockwise
Weight - lb (kg).....	2117 (953)
Displacement - in <sup>3</sup> (litre).....	505 (8.3)
Engine Type.....	4 Cycle; In-Line, 6 Cylinder
Engine Series.....	Cummins C8.3 Series
Exhaust Emissions.....	EPA/CARB Tier 2





### Engine Ratings Baselines

- Engines are rated at standard SAE conditions of 29.61 in. (7521 mm) Hg barometer and 77 °F (25°C) inlet air temperature (approximates 300ft. (91.4 m) above sea level) by the testing laboratory (see SAE Standard J1349).
- A deduction of 3 percent from engine horsepower rating at standard SAE conditions shall be made for diesel engines for each 1000 ft. (305 m) altitude above 300 ft. (91.4 m).
- A deduction of 1 percent from engine horsepower rating as corrected to standard SAE conditions shall be made for diesel engines for every 10°F above 77°F (24°C) ambient temperature.

### Certified Power

This Cummins Fire Power fire pump driver is built to comply with NFPA-20, and is UL listed and FM approved. The engine is NOT a speed rated engine and therefore has not been certified by FM-UL to be used at any speeds other than 1470 and 1760 RPM.

For additional information, click the hyperlink below.

[CFP83-F40](#)