



Fire Power

Engine Specification Sheet

Cummins Fire Power

DePere, WI 54115

<http://www.cumminsfirepower.com>

Basic Engine Model

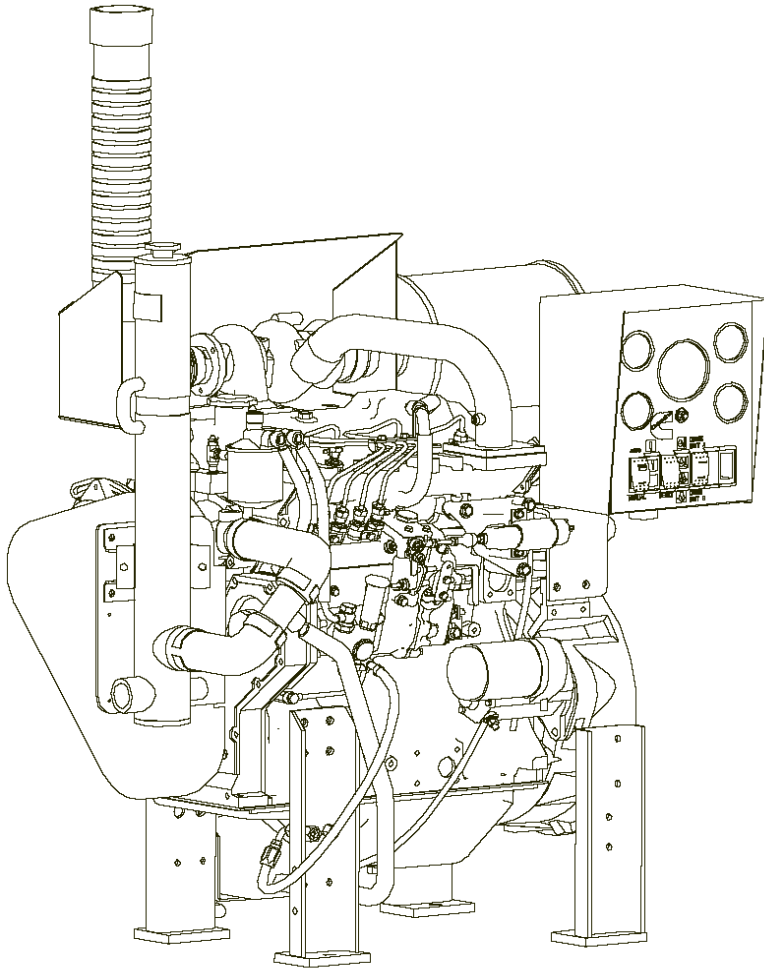
CFP33-F30, F20, F10

Curve Number:

FR - 30005

Revision Date:

August 2006



Equipment	Standard	Optional
Air Cleaner	Direct Mounted, Disposable, Indoor Service	Disposable, Treated for High Humidity, Indoor Service
Alternator	12V-DC, 35 AMPS; With Belt Guard	N/A
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, 1500 Watts	240V-AC, 1500 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	N/A
Starters	12V-DC	N/A
Throttle Control	Adjustable Speed Control	N/A
Water Pump	Vee Belt Drive with Guard	N/A

Operating Speed (RPM)

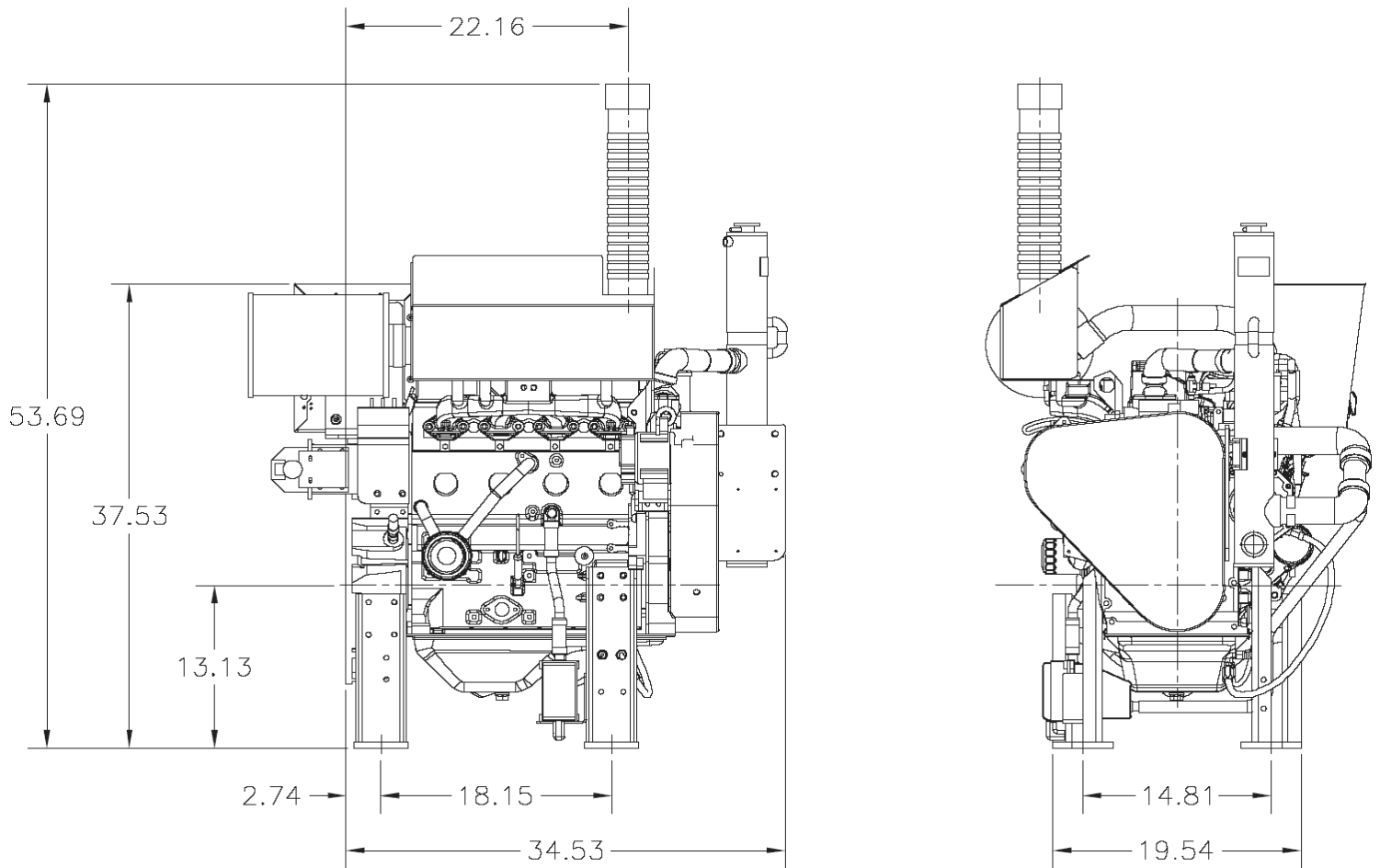
Model	1470	1760	2100	2350	2600
CFP33-F10	31 (23)	37 (28)	37 (28)	38 (28)	40 (30)
CFP33-F20	50 (37)	60 (45)	57 (43)	60 (45)	62 (46)
CFP33-F30	62 (46)	73 (54)	72 (54)	74 (55)	77 (57)

Ratings are: HP (kW)

Specifications

Aspiration.....	Turbocharged
Rotation.....	Clockwise
Weight - lb (kg).....	889 (400)
Displacement - in ³ (litre).....	199 (3.3)
Engine Type.....	4 Cycle; In-Line, 4 Cylinder
Engine Series.....	Cummins B3.3 Series
Exhaust Emissions.....	EPA Tier 1





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. Although FM-UL Certified BHP ratings are shown at specific speeds, this Cummins engine can be applied at any intermediate speed. To determine the intermediate certified power, make a linear interpolation from the Cummins FM-UL certified power curve. Contact Cummins Fire Power or your pump OEM representative to obtain details.

* Subject to change without notification

For additional information, click the hyperlinks below.

[CFP33-F10](#)

[CFP33-F20](#)

[CFP33-F30](#)