



EPA & CARB Tier 3 Emission Data
Fire Pump NSPS Compliant

CFP15E-F10 Fire Pump Driver

Type: 4 Cycle; In-Line; 6 Cylinder
Aspiration: Turbocharged, Charge Air Cooled

15 PPM Diesel Fuel																	
RPM	BHP	Fuel Consumption		D2 Cycle Exhaust Emissions										Exhaust			
		Gal/Hr	L/hr	Grams per BHP - HR					Grams per kW - HR					Temperature		Gas Flow	
				NMHC	NOx	NMHC+NOx	CO	PM	NMHC	NOx	NMHC+NOx	CO	PM	°F	°C	CFM	L/sec
1470	382	19.9	75.3	0.086	2.661	2.747	0.671	0.078	0.116	3.568	3.684	0.900	0.105	957	514	2500	1180
1760	460	22.5	85.2											883	473	2881	1360
1900	488	23.6	89.3											826	441	3099	1463
2100	488	24.7	93.5											844	451	3308	1561
2250	380	19.6	74.2											743	395	3473	1639

The emissions values above are based on CARB approved calculations for converting EPA (500 ppm) fuel to CARB (15 ppm) fuel.

300-4000 PPM Diesel Fuel																	
RPM	BHP	Fuel Consumption		D2 Cycle Exhaust Emissions										Exhaust			
		Gal/Hr	L/hr	Grams per BHP - HR					Grams per kW - HR					Temperature		Gas Flow	
				NMHC	NOx	NMHC+NOx	CO	PM	NMHC	NOx	NMHC+NOx	CO	PM	°F	°C	CFM	L/sec
1470	382	19.9	75.3	0.104	2.781	2.886	0.671	0.089	0.14	3.730	3.870	0.900	0.120	957	514	2500	1180
1760	460	22.5	85.2											883	473	2881	1360
1900	488	23.6	89.3											826	441	3099	1463
2100	488	24.7	93.5											844	451	3308	1561
2250	380	19.6	74.2											743	395	3473	1639

QSX15 Base Model Manufactured by Cummins Inc.
- Using fuel rating 10663

Reference EPA Standard Engine Family: 9CEXL015AAH
Reference CARB Executive Order: U-R-002-0482

No special options needed to meet current regulation emissions for all 50 states

Test Methods:

EPA/CARB Nonroad emissions recorded per 40CFR89 (ref. ISO8178-1) and weighted at load points prescribed in Subpart E, Appendix A, for Constant Speed Engines (ref. ISO8178-4, D2).

Diesel Fuel Specifications:

Cetane Number: 40-48
Reference: ASTM D975 No. 2-D

Reference Conditions:

Air Inlet Temperature: 25°C (77°F)
Fuel Inlet Temperature: 40°C (104°F)
Barometric Pressure: 100 kPa (29.53 in Hg)
Humidity: 10.7 g/kg (75 grains H₂O/lb) of dry air; required for NOx correction

Restrictions: Intake Restriction set to a maximum allowable limit for clean filter; Exhaust Back Pressure set to maximum allowable limit.

Tests conducted using alternate test methods, instrumentation, fuel or reference conditions can yield different results.