



California ATCM Tier 3 Emission Data
EPA Tier 3 Emission Data

CFP15E-F40 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	477	24.9	94.3	0.086	2.661	2.747	0.671	0.078	0.116	3.568	3.684	0.900	0.105	964	518	2877	1358
1760	575	28.1	106.4											908	487	3268	1542
1900	610	29.6	112.0											897	481	3476	1641
2100	610	30.8	116.6											888	476	3672	1733
2250	475	24.5	92.7											781	416	3856	1820

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

300-500 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	477	24.9	94.3	0.104	2.781	2.886	0.671	0.089	0.14	3.730	3.870	0.900	0.120	964	518	2877	1358
1760	575	28.1	106.4											908	487	3268	1542
1900	610	29.6	112.0											897	481	3476	1641
2100	610	30.8	116.6											888	476	3672	1733
2250	475	24.5	92.7											781	416	3856	1820

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

Reference EPA Standard Engine Family: 8CEXL015AAH

No special options needed to meet current emission regulations 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.