California ATCM Tier 3 Emission Data
EPA Tier 3 Emission Data

CFP15E-F20 Fire Pump Driver

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

15 PPM Diesel Fuel																	
		Fuel Consumption		D2 Cycle Exhaust Emissions										Exhaust			
				Grams per BHP - HR					Grams per kW - HR					Temperature		Gas Flow	
RPM	BHP	Gal/Hr	L/hr	NMHC	NOx	NMHC+NOx	CO	PM	NMHC	NOx	NMHC+NOx	CO	PM	°F	°C	CFM	L/sec
1470	411	21.4	81.0											960	516	2620	1237
1760	494	24.1	91.2											895	479	2991	1412
1900	524	25.4	96.1	0.086	2.661	2.651	0.671	0.078	0.116	3.568	3.555	0.900	0.105	857	458	3188	1505
2100	525	26.5	100.3											851	455	3474	1640
2250	409	21.1	79.9											748.9	398	3648	1722

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																	
		Fuel Consumption		D2 Cycle Exhaust Emissions										Exhaust			
				Grams per BHP - HR					Grams per kW - HR					Temperature		Gas Flow	
RPM	BHP	Gal/Hr	L/hr	NMHC	NOx	NMHC+NOx	CO	PM	NMHC	NOx	NMHC+NOx	CO	PM	°F	°C	CFM	L/sec
1470	411	21.4	81.0											960	516	2620	1237
1760	494	24.1	91.2											895	479	2991	1412
1900	524	25.4	96.1	0.104	2.781	2.886	0.671	0.089	0.14	3.730	3.870	0.900	0.120	857	458	3188	1505
2100	525	26.5	100.3											851	455	3474	1640
2250	409	21.1	79.9											748.9	398	3648	1722

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 Spee 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 H_2O/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.

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