Cat® 3516E

Diesel Generator Sets





Bore – mm (in)	170 (6.69)		
Stroke – mm (in)	215 (8.46)		
Displacement – L (in³)	78.1 (4766)		
Compression Ratio	14.7:1		
Aspiration	TA		
Fuel System	EUI		
Governor Type	ADEM™ A5		

Image shown may not reflect actual configuration

Standby 60 Hz ekW (kVA)	Mission Critical 60 Hz ekW (kVA)	Prime 60 Hz ekW (kVA)	Emissions Performance
2750 (3438)	2750 (3438)	2500 (3125)	U.S. EPA Certified for Emergency Stationary Applications (Tier 2)

Features

Cat® Diesel Engine

- Meets U.S. EPA Stationary Emergency Use Only (Tier 2) emission standards
- Reliable performance proven in thousands of applications worldwide
- Certified alternative fuels including Hydrotreated Vegetable Oil (HVO), Renewable Diesel (RD) and Hydrotreated Renewable Diesel (HRD) which meet EN 15940 or ASTM D975 can be used or blended with EN 590 diesel

Generator Set Package

- · Accepts 100% block load in one step
- · Meets NFPA 110 loading requirements
- Conforms to ISO 8528-5 G3 load acceptance requirements
- Reliability verified through torsional vibration, fuel consumption, oil consumption, transient performance, and endurance testing

Alternators

- Superior motor starting capability minimizes need for oversizing generator
- Designed to match performance and output characteristics of Cat diesel engines

Cooling System

- Cooling systems available to operate in ambient temperatures up to 50°C (122°F)
- Tested to ensure proper generator set cooling

Cat Energy Control System (ECS)

- · User-friendly interface and navigation
- Scalable system to meet a wide range of installation requirements
- Expansion modules and site specific programming for specific customer requirements
- Graphical touchscreen display
- · Easily upgradeable

Warranty

- 24 months/1000-hour warranty for standby and mission critical ratings
- 12 months/unlimited hour warranty for prime and continuous ratings
- Extended service protection is available to provide extended coverage options

Worldwide Product Support

- Cat dealers have over 1,800 dealer branch stores operating in 200 countries
- Your local Cat dealer provides extensive post-sale support, including maintenance and repair agreements

Financing

- Caterpillar offers an array of financial products to help you succeed through financial service excellence
- Options include loans, finance lease, operating lease, working capital, and revolving line of credit
- Contact your local Cat dealer for availability in your region

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☐ Stator and bearing temperature monitoring and protection



Standard and Optional Equipment

Engine	Power Termination	Vibration Isolators			
Air Cleaner ☐ Single element Muffler	Type □ Bus bar □ Circuit breaker □ 1600A □ 2000A	□ Rubber□ Spring□ Seismic rated			
☐ Industrial grade (15 dB) ☐ Critical grade (25 dB)	□ 2500A □ 3000A	Cat Connect			
☐ Hospital grade (35 dB)	□ 3200A □ 4000A □ 5000A	Connectivity			
Starting ☐ Standard batteries ☐ Oversized betteries	☐ IEC ☐ UL ☐ 3-pole ☐ 4-pole	☐ Ethernet ☐ Cellular			
☐ Oversized batteries☐ Heavy duty electric starter(s)	☐ Manually operated☐ Electrically operated	Extended Service Options			
☐ Air starter(s)☐ Jacket water heater	Trip Unit □ LSI □ LSI-G	Terms ☐ 2 year (prime)			
Alternator	□ LSI-P □ LSIG-P	☐ 3 year ☐ 5 year			
Output voltage	Control System	☐ 10 year			
□ 416V □ 12470V □ 480V □ 13200V □ 600V □ 13800V □ 4160V	Controller □ Cat ECS 100 □ Cat ECS 200 □ EMCP 4.4	Coverage □ Silver □ Gold □ Platinum □ Platinum Plus			
Temperature Rise (over 40°C ambient)	Attachments				
☐ 150°C	☐ Local annunciator module	Ancillary Equipment			
□ 125°C/130°C □ 105°C	□ Remote annunciator module□ Expansion I/O module	☐ Automatic transfer switch			
□ 80°C	☐ Remote monitoring software	(ATS) □ Paralleling switchgear			
Winding type	Charging	☐ Paralleling controls			
☐ Form wound	☐ Battery charger – 10A	Certifications			
Excitation ☐ Permanent magnet (PM)	□ Battery charger – 20A□ Battery charger – 35A	☐ ULC 2200 Listed☐ IBC seismic certification☐ OSHPD pre-approval			
Attachments Anti-condensation heater					

Note: Some options may not be available on all models. Certifications may not be available with all model configurations. Consult factory for availability.

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Package Performance

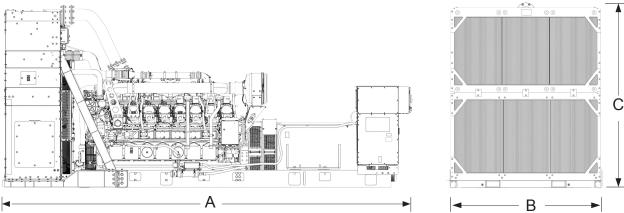
Frequency	Performance	Sta	ındby	Missio	n Critical	P	rime
Gen set power rating with fan @ 0.8 power factor	Frequency	60) Hz	60) Hz	60	Hz
0.8 power factor S438 kVA	Gen set power rating with fan	275	0 ekW	275	0 ekW	250	0 ekW
Performance number	, , ,	343	8 kVA	343	8 kVA	312	5 kVA
Fuel Consumption 100% load with fan - L/hr (gal/hr) 720.4 (190.3) 720.4 (190.3) 649.4 (171.5) 75% load with fan - L/hr (gal/hr) 549.7 (145.2) 549.7 (145.2) 508.7 (134.4) 50% load with fan - L/hr (gal/hr) 401.7 (106.1) 401.7 (106.1) 372.8 (98.5) 25% load with fan - L/hr (gal/hr) 235.1 (62.1) 235.1 (62.1) 235.1 (62.1) 220.1 (58.1) 220.1 (58.1) 220.1 (58.1) 220.1 (58.1) 235.1 (62.1) 235.1 (62.1) 220.1 (58.1) 220.1 (62.1) 220.1 (58.1) 220.1 (62.1) 220.1 (58.1) 220.1 (62.1) 220.1 (58.1) 220.1 (62.1) 220.1 (62.1) 220.1 (62.1) 220.1 (62.1) 220.1 (62.1) 220.1 (62.1) 220.1 (62.1) 220.1 (62.1) 220.2 (60.1) 220.2 (60.1) 220.2 (60.1) 233.0 (61.6) (2	Emissions	EPA ES	E (TIER 2)	EPA ES	E (TIER 2)	EPA ES	E (TIER 2)
100% load with fan - L/hr (gal/hr) 720.4 (190.3) 720.4 (190.3) 649.4 (171.5) 75% load with fan - L/hr (gal/hr) 549.7 (145.2) 549.7 (145.2) 508.7 (134.4) 50% load with fan - L/hr (gal/hr) 401.7 (106.1) 401.7 (106.1) 372.8 (98.5) 25% load with fan - L/hr (gal/hr) 235.1 (62.1) 235.1 (62.1) 235.1 (62.1) 220.1 (58.1) 220.1 (58.1) 220.1 (58.1) 220.1 (58.1) 235.1 (62.1) 235.1 (62.1) 235.1 (62.1) 220.1 (58.1) 2	Performance number	EM5	400-01	EM5	402-01	EM5	404-01
T5% load with fan - L/hr (gal/hr)	Fuel Consumption						
50% load with fan - L/hr (gal/hr)	100% load with fan – L/hr (gal/hr)	720.4	(190.3)	720.4	(190.3)	649.4	(171.5)
25% load with fan - L/hr (gal/hr) 235.1 (62.1) 235.1 (62.1) 220.1 (58.1)	75% load with fan – L/hr (gal/hr)	549.7	(145.2)	549.7	(145.2)	508.7	(134.4)
Cooling System Radiator air flow restriction (system) – kPa (in. water) 0.12 (0.48) 0.12 0.61 0.233.0 (61.6) 233.0 (61.6) 233.0 (61.6) 233.0 (61.6) 233.0 (61.6) 233.0 (61.6) 233.0 (61.6) 233.0 (61.6) 233.0 (61.6) 233.0 (61.6)	50% load with fan - L/hr (gal/hr)	401.7	(106.1)	401.7	(106.1)	372.8	(98.5)
Radiator air flow restriction (system) – kPa (in. water) Radiator air flow - m³/min (cfm)	25% load with fan – L/hr (gal/hr)	235.1	(62.1)	235.1	(62.1)	220.1	(58.1)
Real (in. water) Real (in. w	Cooling System						
Engine coolant capacity — L (gal)	1	0.12	(0.48)	0.12	(0.48)	0.12	(0.48)
Radiator coolant capacity – L (gal)	Radiator air flow – m³/min (cfm)	2688	(94925)	2688	(94925)	2688	(94925)
Total coolant capacity – L (gal)	Engine coolant capacity – L (gal)	233.0	(61.6)	233.0	(61.6)	233.0	(61.6)
Inlet Air Combustion air inlet flow rate - m³/min (cfm) 229.2 (8093.3) 229.2 (8093.3) 215.7 (7616.9)	Radiator coolant capacity – L (gal)	184.0	(48.6)	184.0	(48.6)	184.0	(48.6)
Exhaust System	Total coolant capacity – L (gal)	417.0	(110.2)	417.0	(110.2)	417.0	(110.2)
Exhaust System Exhaust stack gas temperature – °C (°F) 493.0 (919.3) 493.0 (919.3) 472.7 (882.9) Exhaust gas flow rate – m³/min (cfm) 625.4 (22081.8) 625.4 (22081.8) 570.0 (20127.3) Exhaust system backpressure (maximum allowable) – kPa (in. water) 6.7 (27.0) 6.7 (27.0) 6.7 (27.0) 6.7 (27.0) Heat rejection to jacket water – kW (Btu/min) 894 (50827) 894 (50827) 827 (47027) Heat rejection to exhaust (total) – kW (Btu/min) 2849 (162025) 2849 (162025) 2514 (142941) Heat rejection to aftercooler – kW (Btu/min) 941 (53492) 941 (53492) 844 (47998) Heat rejection to atmosphere from engine – kW (Btu/min) 160 (9124) 160 (9124) 147 (8364) Heat rejection from alternator – kW (Btu/min) 126 (7172) 126 (7172) 112 (6386) Emissions* (Nominal) NOx mg/Nm³ (g/hp-h) 321.4 (0.69) 321.4 (0.69) 321.4 (0.69) 183.8 (0.39) HC mg/Nm³ (g/hp-h) 20.0 (0.05) 20.0 (0.05) 14.6 (0.04) (0.04) Emissions* (Potential Site Variation) NOx mg/Nm³ (g/hp-h) 27	Inlet Air						
Exhaust stack gas temperature – °C (°F)	Combustion air inlet flow rate – m³/min (cfm)	229.2	(8093.3)	229.2	(8093.3)	215.7	(7616.9)
Exhaust gas flow rate — m³/min (cfm) 625.4 (22081.8) 625.4 (22081.8) 570.0 (20127.3) Exhaust system backpressure (maximum allowable) — kPa (in. water) 6.7 (27.0) 6.7	Exhaust System						
Exhaust system backpressure (maximum allowable) – kPa (in. water) Heat Rejection Heat rejection to jacket water – kW (Btu/min) 894 (50827) 894 (50827) 827 (47027) Heat rejection to exhaust (total) – kW (Btu/min) 941 (53492) 941 (53492) 844 (47998) Heat rejection to affercooler – kW (Btu/min) 941 (53492) 941 (53492) 844 (47998) Heat rejection to atmosphere from engine – kW (Btu/min) 126 (7172) 126 (7172) 112 (6386) Emissions* (Nominal) NOx mg/Nm³ (g/hp-h) 2319.2 (5.00) 2319.2 (5.00) 2275.1 (4.82) CO mg/Nm³ (g/hp-h) 30.7 (0.08) 30.7 (0.08) 33.1 (0.08) PM mg/Nm³ (g/hp-h) 20.0 (0.05) 20.0 (0.05) 14.6 (0.04) Emissions* (Potential Site Variation) NOx mg/Nm³ (g/hp-h) 2783.0 (6.00) 2783.0 (6.00) 2730.1 (5.79) CO mg/Nm³ (g/hp-h) 536.7 (1.16) 536.7 (1.16) 307.0 (0.65) HC mg/Nm³ (g/hp-h) 40.8 (0.10) 44.8 (0.10) 44.1 (0.11)	Exhaust stack gas temperature – °C (°F)	493.0	(919.3)	493.0	(919.3)	472.7	(882.9)
Heat Rejection Heat rejection to jacket water - kW (Btu/min) Reat rejection to exhaust (total) - kW (Btu/min) Reat rejection to aftercooler - kW (Btu/min) Reat rejection to aftercooler - kW (Btu/min) Reat rejection to atmosphere from engine - kW (Btu/min) Reat rejection to atmosphere from engine - kW (Btu/min) Reat rejection from alternator - kW (Btu/min) Reat rejection from alternato	Exhaust gas flow rate – m³/min (cfm)	625.4	(22081.8)	625.4	(22081.8)	570.0	(20127.3)
Heat rejection to jacket water – kW (Btu/min) 894 (50827) 894 (50827) 827 (47027) Heat rejection to exhaust (total) – kW (Btu/min) 2849 (162025) 2849 (162025) 2514 (142941) Heat rejection to aftercooler – kW (Btu/min) 941 (53492) 941 (53492) 844 (47998) Heat rejection to atmosphere from engine – kW (Btu/min) 160 (9124) 160 (9124) 147 (8364) Heat rejection from alternator – kW (Btu/min) 126 (7172) 126 (7172) 112 (6386) Emissions* (Nominal) NOx mg/Nm³ (g/hp-h) 2319.2 (5.00) 2319.2 (5.00) 2275.1 (4.82) CO mg/Nm³ (g/hp-h) 321.4 (0.69) 321.4 (0.69) 183.8 (0.39) HC mg/Nm³ (g/hp-h) 30.7 (0.08) 30.7 (0.08) 33.1 (0.08) PM mg/Nm³ (g/hp-h) 20.0 (0.05) 20.0 (0.05) 14.6 (0.04) Emissions* (Potential Site Variation) NOx mg/Nm³ (g/hp-h) 2783.0 (6.00) 2783.0 (6.00) 2730.1 (5.79) CO mg/Nm³ (g/hp-h) 40.8 (0.10) 40.8 (0.10) 44.1 (0.11)		6.7	(27.0)	6.7	(27.0)	6.7	(27.0)
Heat rejection to exhaust (total) – kW (Btu/min) 2849 (162025) 2849 (162025) 2514 (142941) Heat rejection to aftercooler – kW (Btu/min) 941 (53492) 941 (53492) 844 (47998) Heat rejection to atmosphere from engine – kW (Btu/min) 160 (9124) 160 (9124) 147 (8364) Heat rejection from alternator – kW (Btu/min) 126 (7172) 126 (7172) 112 (6386) Emissions* (Nominal) NOx mg/Nm³ (g/hp-h) 2319.2 (5.00) 2319.2 (5.00) 2275.1 (4.82) CO mg/Nm³ (g/hp-h) 321.4 (0.69) 321.4 (0.69) 183.8 (0.39) HC mg/Nm³ (g/hp-h) 30.7 (0.08) 30.7 (0.08) 33.1 (0.08) PM mg/Nm³ (g/hp-h) 20.0 (0.05) 20.0 (0.05) 14.6 (0.04) Emissions* (Potential Site Variation) 2783.0 (6.00) 2783.0 (6.00) 2730.1 (5.79) CO mg/Nm³ (g/hp-h) 536.7 (1.16) 536.7 (1.16) 307.0 (0.65) HC mg/Nm³ (g/hp-h) 40.8 (0.10) 40.8 (0.10) 44.1 (0.11)	Heat Rejection						
Heat rejection to aftercooler – kW (Btu/min) 941 (53492) 941 (53492) 844 (47998) Heat rejection to atmosphere from engine – kW (Btu/min) 160 (9124) 160 (9124) 147 (8364) Heat rejection from alternator – kW (Btu/min) 126 (7172) 126 (7172) 112 (6386) Emissions* (Nominal) 2319.2 (5.00) 2319.2 (5.00) 2275.1 (4.82) CO mg/Nm³ (g/hp-h) 321.4 (0.69) 321.4 (0.69) 183.8 (0.39) HC mg/Nm³ (g/hp-h) 30.7 (0.08) 30.7 (0.08) 33.1 (0.08) PM mg/Nm³ (g/hp-h) 20.0 (0.05) 20.0 (0.05) 14.6 (0.04) Emissions* (Potential Site Variation) 2783.0 (6.00) 2783.0 (6.00) 2730.1 (5.79) CO mg/Nm³ (g/hp-h) 536.7 (1.16) 536.7 (1.16) 307.0 (0.65) HC mg/Nm³ (g/hp-h) 40.8 (0.10) 40.8 (0.10) 44.1 (0.11)	Heat rejection to jacket water – kW (Btu/min)	894	(50827)	894	(50827)	827	(47027)
Heat rejection to atmosphere from engine – kW (Btu/min) 160 (9124) 160 (9124) 147 (8364) Heat rejection from alternator – kW (Btu/min) 126 (7172) 126 (7172) 112 (6386) Emissions* (Nominal) NOx mg/Nm³ (g/hp-h) 2319.2 (5.00) 2319.2 (5.00) 2275.1 (4.82) CO mg/Nm³ (g/hp-h) 321.4 (0.69) 321.4 (0.69) 183.8 (0.39) HC mg/Nm³ (g/hp-h) 30.7 (0.08) 30.7 (0.08) 33.1 (0.08) PM mg/Nm³ (g/hp-h) 20.0 (0.05) 20.0 (0.05) 14.6 (0.04) Emissions* (Potential Site Variation) 2783.0 (6.00) 2783.0 (6.00) 2783.0 (6.00) 2730.1 (5.79) CO mg/Nm³ (g/hp-h) 536.7 (1.16) 536.7 (1.16) 307.0 (0.65) HC mg/Nm³ (g/hp-h) 40.8 (0.10) 40.8 (0.10) 44.1 (0.11)	Heat rejection to exhaust (total) – kW (Btu/min)	2849	(162025)	2849	(162025)	2514	(142941)
kW (Btu/min) 160 (9124) 160 (9124) 147 (8384) Heat rejection from alternator – kW (Btu/min) 126 (7172) 126 (7172) 112 (6386) Emissions* (Nominal) NOx mg/Nm³ (g/hp-h) 2319.2 (5.00) 2319.2 (5.00) 2275.1 (4.82) CO mg/Nm³ (g/hp-h) 321.4 (0.69) 321.4 (0.69) 183.8 (0.39) HC mg/Nm³ (g/hp-h) 30.7 (0.08) 30.7 (0.08) 33.1 (0.08) PM mg/Nm³ (g/hp-h) 20.0 (0.05) 20.0 (0.05) 14.6 (0.04) Emissions* (Potential Site Variation) NOx mg/Nm³ (g/hp-h) 2783.0 (6.00) 2783.0 (6.00) 2730.1 (5.79) CO mg/Nm³ (g/hp-h) 536.7 (1.16) 536.7 (1.16) 307.0 (0.65) HC mg/Nm³ (g/hp-h) 40.8 (0.10) 40.8 (0.10) 44.1 (0.11)	Heat rejection to aftercooler – kW (Btu/min)	941	(53492)	941	(53492)	844	(47998)
Emissions* (Nominal) NOx mg/Nm³ (g/hp-h) 2319.2 (5.00) 2319.2 (5.00) 2275.1 (4.82) CO mg/Nm³ (g/hp-h) 321.4 (0.69) 321.4 (0.69) 183.8 (0.39) HC mg/Nm³ (g/hp-h) 30.7 (0.08) 30.7 (0.08) 33.1 (0.08) PM mg/Nm³ (g/hp-h) 20.0 (0.05) 20.0 (0.05) 14.6 (0.04) Emissions* (Potential Site Variation) NOx mg/Nm³ (g/hp-h) 2783.0 (6.00) 2783.0 (6.00) 2730.1 (5.79) CO mg/Nm³ (g/hp-h) 536.7 (1.16) 536.7 (1.16) 307.0 (0.65) HC mg/Nm³ (g/hp-h) 40.8 (0.10) 40.8 (0.10) 44.1 (0.11)		160	(9124)	160	(9124)	147	(8364)
NOx mg/Nm³ (g/hp-h) 2319.2 (5.00) 2319.2 (5.00) 2275.1 (4.82) CO mg/Nm³ (g/hp-h) 321.4 (0.69) 321.4 (0.69) 183.8 (0.39) HC mg/Nm³ (g/hp-h) 30.7 (0.08) 30.7 (0.08) 33.1 (0.08) PM mg/Nm³ (g/hp-h) 20.0 (0.05) 20.0 (0.05) 14.6 (0.04) Emissions* (Potential Site Variation) NOx mg/Nm³ (g/hp-h) 2783.0 (6.00) 2783.0 (6.00) 2730.1 (5.79) CO mg/Nm³ (g/hp-h) 536.7 (1.16) 536.7 (1.16) 307.0 (0.65) HC mg/Nm³ (g/hp-h) 40.8 (0.10) 40.8 (0.10) 44.1 (0.11)		126	(7172)	126	(7172)	112	(6386)
CO mg/Nm³ (g/hp-h) 321.4 (0.69) 321.4 (0.69) 183.8 (0.39) HC mg/Nm³ (g/hp-h) 30.7 (0.08) 30.7 (0.08) 33.1 (0.08) PM mg/Nm³ (g/hp-h) 20.0 (0.05) 20.0 (0.05) 14.6 (0.04) Emissions* (Potential Site Variation) NOx mg/Nm³ (g/hp-h) 2783.0 (6.00) 2783.0 (6.00) 2730.1 (5.79) CO mg/Nm³ (g/hp-h) 536.7 (1.16) 536.7 (1.16) 307.0 (0.65) HC mg/Nm³ (g/hp-h) 40.8 (0.10) 40.8 (0.10) 44.1 (0.11)	Emissions* (Nominal)						
HC mg/Nm³ (g/hp-h) 30.7 (0.08) 30.7 (0.08) 33.1 (0.08) PM mg/Nm³ (g/hp-h) 20.0 (0.05) 20.0 (0.05) 14.6 (0.04) Emissions* (Potential Site Variation) NOx mg/Nm³ (g/hp-h) 2783.0 (6.00) 2783.0 (6.00) 2730.1 (5.79) CO mg/Nm³ (g/hp-h) 536.7 (1.16) 536.7 (1.16) 307.0 (0.65) HC mg/Nm³ (g/hp-h) 40.8 (0.10) 40.8 (0.10) 44.1 (0.11)	NOx mg/Nm³ (g/hp-h)	2319.2	(5.00)	2319.2	(5.00)	2275.1	(4.82)
PM mg/Nm³ (g/hp-h) 20.0 (0.05) 20.0 (0.05) 14.6 (0.04) Emissions* (Potential Site Variation) NOx mg/Nm³ (g/hp-h) 2783.0 (6.00) 2783.0 (6.00) 2730.1 (5.79) CO mg/Nm³ (g/hp-h) 536.7 (1.16) 536.7 (1.16) 307.0 (0.65) HC mg/Nm³ (g/hp-h) 40.8 (0.10) 40.8 (0.10) 44.1 (0.11)	CO mg/Nm³ (g/hp-h)	321.4	(0.69)	321.4	(0.69)	183.8	(0.39)
Emissions* (Potential Site Variation) NOx mg/Nm³ (g/hp-h) 2783.0 (6.00) 2783.0 (6.00) 2730.1 (5.79) CO mg/Nm³ (g/hp-h) 536.7 (1.16) 536.7 (1.16) 307.0 (0.65) HC mg/Nm³ (g/hp-h) 40.8 (0.10) 40.8 (0.10) 44.1 (0.11)	HC mg/Nm³ (g/hp-h)	30.7	(80.0)	30.7	(80.0)	33.1	(80.0)
NOx mg/Nm³ (g/hp-h) 2783.0 (6.00) 2783.0 (6.00) 2730.1 (5.79) CO mg/Nm³ (g/hp-h) 536.7 (1.16) 536.7 (1.16) 307.0 (0.65) HC mg/Nm³ (g/hp-h) 40.8 (0.10) 40.8 (0.10) 44.1 (0.11)	PM mg/Nm³ (g/hp-h)	20.0	(0.05)	20.0	(0.05)	14.6	(0.04)
CO mg/Nm³ (g/hp-h) 536.7 (1.16) 536.7 (1.16) 307.0 (0.65) HC mg/Nm³ (g/hp-h) 40.8 (0.10) 40.8 (0.10) 44.1 (0.11)	Emissions* (Potential Site Variation)						
HC mg/Nm³ (g/hp-h) 40.8 (0.10) 40.8 (0.10) 44.1 (0.11)	NOx mg/Nm³ (g/hp-h)	2783.0	(6.00)	2783.0	(6.00)	2730.1	(5.79)
	CO mg/Nm³ (g/hp-h)	536.7	(1.16)	536.7	(1.16)	307.0	(0.65)
PM mg/Nm³ (g/hp-h) 28.1 (0.07) 28.1 (0.07) 20.4 (0.05)	HC mg/Nm³ (g/hp-h)	40.8	(0.10)	40.8	(0.10)	44.1	(0.11)
	PM mg/Nm³ (g/hp-h)	28.1	(0.07)	28.1	(0.07)	20.4	(0.05)

^{*}mg/Nm³ levels are corrected to 5% O₂. Contact your local Cat dealer for further information.

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Weights and Dimensions



Dim "A"	Dim "B"	Dim "C"	Dry Weight
mm (in)	mm (in)	mm (in)	kg (lb)
7015 (276.2)	2558 (100.7)	3163 (124.5)	18 480 (40,750)

Note: For reference only. Do not use for installation design. Contact your local Cat dealer for precise weights and dimensions.

Ratings Definitions

Standby

Output available with varying load for the duration of the interruption of the normal source power. Average power output is 70% of the standby rated ekW. Typical operation is 200 hours per year, with maximum expected usage of 500 hours per year.

Mission Critical

Output available with varying load for the duration of the interruption of the normal source power. Average power output is 85% of the mission critical rated ekW. Typical peak demand up to 100% of rated ekW for up to 5% of the operating time. Typical operation is 200 hours per year, with maximum expected usage of 500 hours per year.

Prime

Output available with varying load for an unlimited time. Average power output is 70% of the prime rated ekW. Typical peak demand is 100% of prime rated ekW with 10% overload capability for emergency use for a maximum of 1 hour in 12. Overload operation cannot exceed 25 hours per year.

Applicable Codes and Standards

AS 1359, ULC 2200 3rd edition, UL 489, UL 869A, IBC, IEC 60034-1, ISO 3046, ISO 8528, NEMA MG1-22, NEMA MG1-33, 2014/35/EU, 2006/42/EC, 2014/30/EU and facilitates compliance to NFPA 37, NFPA 70, NFPA 99, NFPA 110.

Note: Codes may not be available in all model configurations. Please consult your local Cat dealer for availability.

Data Center Applications

- All ratings Tier III/Tier IV compliant per Uptime Institute requirements.
- All ratings ANSI/TIA-942 compliant for Rated-1 through Rated-4 data centers.

Fuel Rates

Fuel consumption reported in accordance with ISO 3046-1, based on fuel oil of 35° API [16°C (60°F)] gravity having an LHV of 42,780 kJ/kg (18,390 Btu/lb) when used at 15°C (59°F) and weighing 850 g/liter (7.0936 lbs/U.S. gal.) All fuel consumption values refer to rated engine power.

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