Cat® 3516E

High Power Density (HPD) Diesel Generator Sets





Bore – mm (in)	170 (6.69)
Stroke – mm (in)	215 (8.46)
Displacement – L (in³)	78.1 (4766)
Compression Ratio	13.9:1
Aspiration	TA
Fuel System	MEUI
Governor Type	ADEM™ A5

Image shown may not reflect actual configuration

Standby 60 Hz ekW (kVA)			Emissions Performance
3000 (3750)	3000 (3750)	2725 (3406)	U.S. EPA Certified for Emergency Stationary Applications (Tier 2)

Features

Cat® Diesel Engine

- Meets U.S. EPA Stationary Emergency Use Only (Tier 2) emissions 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
- 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

LEHE2570-05 Page 1 of 4



Standard and Optional Equipment

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

☐ Stator and bearing temperature monitoring and protection

LEHE2570-05 Page 2 of 4



Package Performance

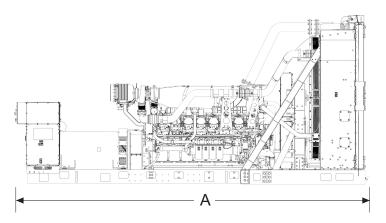
Engine Speed	Performance	Sta	ındby	Missic	n Critical	Р	rime	
Gen set power rating with fan @ 0.8 power factor	Engine Speed	180	0 rpm	180	0 rpm	180	0 rpm	
Gen set power rating with fan @ 0.8 power factor 3750 kVA 3750 kVA 3406 kVA Emissions Tier 2 (EPA ESE) Tier 2 (EP	Frequency	60) Hz	60) Hz	60	Hz	
Tier 2 (EPA ESE)	Gen set power rating with fan	3000 ekW		3000 ekW		2725 ekW		
Performance number	Gen set power rating with fan @ 0.8 power factor	375	3750 kVA		3750 kVA		3406 kVA	
Fuel Consumption 100% load with fan — L/hr (gal/hr) 773.2 (204.3) 773.2 (204.3) 771.2 (187.9) 175% load with fan — L/hr (gal/hr) 624.2 (164.9) 624.2 (164.9) 624.2 (164.9) 581.6 (153.7) 50% load with fan — L/hr (gal/hr) 467.5 (123.5) 467.5 (123.5) 438.1 (115.7) 125% load with fan — L/hr (gal/hr) 246.4 (65.1) 246.4 (65.1) 229.2 (60.6) 229.2 (60.6) 220.2 (6	Emissions	Tier 2 (EPA ESE)	Tier 2 (EPA ESE)		Tier 2 (EPA ESE)		
100% load with fan - L/hr (gal/hr)	Performance number	EM4	716-02	EM4	718-02	EM4	720-02	
T5% load with fan — Li'hr (gali'hr)	Fuel Consumption							
50% load with fan — L/hr (gal/hr)	100% load with fan – L/hr (gal/hr)	773.2	(204.3)	773.2	(204.3)	711.2	(187.9)	
25% load with fan - L/hr (gal/hr)	75% load with fan – L/hr (gal/hr)	624.2	(164.9)	624.2	(164.9)	581.6	(153.7)	
Cooling System Radiator air flow restriction (system) – kPa (in. water) 0.12 (0.48) 0.12 (0.48) 0.12 (0.48) Radiator air flow – m³/min (cfm) 3476 (122753) 3476 (1473) 179.0 (47.3) 179.0 (47.3) 179.0 (47.4) 343.0 (114.7) 434.0 (114.7) 1434.0 (114.7) 1434.0 (114.7) <td>50% load with fan – L/hr (gal/hr)</td> <td>467.5</td> <td>(123.5)</td> <td>467.5</td> <td>(123.5)</td> <td>438.1</td> <td>(115.7)</td>	50% load with fan – L/hr (gal/hr)	467.5	(123.5)	467.5	(123.5)	438.1	(115.7)	
Radiator air flow restriction (system) – kPa (in. water) 0.12 (0.48) 0.12 (0.48) 0.12 (0.48) (0.12 (0.48) Radiator air flow – m³/min (cfm) 3476 (122753) 3476 (1247) 3470 (124	25% load with fan – L/hr (gal/hr)	246.4	(65.1)	246.4	(65.1)	229.2	(60.6)	
Radiator air flow — m³/min (cfm)	Cooling System							
Engine coolant capacity — L (gal) 179.0 (47.3) 179.0 (47.3) 179.0 (47.3) 179.0 (47.3) Radiator coolant capacity — L (gal) 255.0 (67.4)	Radiator air flow restriction (system) – kPa (in. water)	0.12	(0.48)	0.12	(0.48)	0.12	(0.48)	
Radiator coolant capacity – L (gal) 255.0 (67.4) 255.0 (67.4) 255.0 (67.4) 255.0 (67.4) Total coolant capacity – L (gal) 434.0 (114.7) 434.0 (114.7) 434.0 (114.7) 434.0 (114.7) 434.0 (114.7) 434.0 (114.7) Inlet Air Combustion air inlet flow rate – m³/min (cfm) 246.1 (8690.9) 246.1 (8690.9) 230.3 (8133.7) Exhaust System Exhaust System Exhaust gas temperature – °C (°F) 483.3 (902.0) 483.3 (902.0) 484.5 (904.1) Exhaust gas flow rate – m³/min (cfm) 645.8 (22806.2) 645.8 (22806.2) 600.2 (21192.9) Exhaust system backpressure (maximum allowable) 7.0 (28.1) 7.0 (28.1) 7.0 (28.1) 7.0 (28.1) Heat Rejection Heat rejection to jacket water – kW (Btu/min) 917 (52144) 917 (52144) 854 (48592) Heat rejection to exhaust (total) – kW (Btu/min) 944 (53683) 944 (53683) 827 (47047) Heat rejection to aftercooler – kW (Btu/min) 944 (53683) 944 (53683) 827 (47047) Heat rejection to atmosphere from engine – kW (Btu/min) 119 (6739) 119 (6739) 108 (6119) Emissions* (Nominal) - Full Load NOx mg/Nm³ (g/hp-h) 2610.4 (5.63) 2610.4 (5.63) 2311.6 (5.02) CO mg/Nm³ (g/hp-h) 17.4 (0.04) 17.4 (0.04) 15.0 (0.04) PM mg/Nm³ (g/hp-h) 17.6 (0.05) 17.6 (0.05) 22.6 (0.06) Emissions* (Potential Site Variation) - Full Load NOx mg/Nm³ (g/hp-h) 3132.5 (6.76) 3132.5 (6.76) 2773.9 (6.02) CO mg/Nm³ (g/hp-h) 550.6 (1.20) 550.6 (1.20) 728.7 (1.60) HC mg/Nm³ (g/hp-h) 550.6 (1.20) 550.6 (1.20) 728.7 (1.60)	Radiator air flow – m³/min (cfm)	3476	(122753)	3476	(122753)	3476	(122753)	
Total coolant capacity – L (gal)	Engine coolant capacity – L (gal)	179.0	(47.3)	179.0	(47.3)	179.0	(47.3)	
Inlet Air Combustion air inlet flow rate — m³/min (cfm) 246.1 (8690.9) 246.1 (8690.9) 230.3 (8133.7)	Radiator coolant capacity – L (gal)	255.0	(67.4)	255.0	(67.4)	255.0	(67.4)	
Exhaust System	Total coolant capacity – L (gal)	434.0	(114.7)	434.0	(114.7)	434.0	(114.7)	
Exhaust System Exhaust stack gas temperature – °C (°F)	Inlet Air							
Exhaust stack gas temperature – °C (°F)	Combustion air inlet flow rate – m³/min (cfm)	246.1	(8690.9)	246.1	(8690.9)	230.3	(8133.7)	
Exhaust gas flow rate — m³/min (cfm) 645.8 (22806.2) 645.8 (22806.2) 600.2 (21192.9) Exhaust system backpressure (maximum allowable) — kPa (in. water) 7.0 (28.1) 7.0	Exhaust System							
Exhaust system backpressure (maximum allowable)	Exhaust stack gas temperature – °C (°F)	483.3	(902.0)	483.3	(902.0)	484.5	(904.1)	
Heat Rejection Heat rejection to jacket water - kW (Btu/min) 917 (52144) 917 (52144) 854 (48592) Heat rejection to exhaust (total) - kW (Btu/min) 3091 (175769) 3091 (175769) 2875 (163492) Heat rejection to aftercooler - kW (Btu/min) 944 (53683) 944 (53683) 827 (47047) Heat rejection to atmosphere from engine - kW (Btu/min) 158 (8993) 158 (8993) 154 (8766) Heat rejection from alternator - kW (Btu/min) 119 (6739) 119 (6739) 108 (6119) Emissions* (Nominal) - Full Load NOx mg/Nm³ (g/hp-h) 2610.4 (5.63) 2610.4 (5.63) 2311.6 (5.02) CO mg/Nm³ (g/hp-h) 305.9 (0.66) 305.9 (0.66) 404.8 (0.89) HC mg/Nm³ (g/hp-h) 17.4 (0.04) 17.4 (0.04) 15.0 (0.04) PM mg/Nm³ (g/hp-h) 17.6 (0.05) 17.6 (0.05) 22.6 (0.06) Emissions* (Potential Site Variation) - Full Load NOx mg/Nm³ (g/hp-h) 3132.5 (6.76) 3132.5 (6.76) 2773.9 (6.02) CO mg/Nm³ (g/hp-h) 550.6 (1.20) 550.6 (1.20) 728.7 (1.60) HC mg/Nm³ (g/hp-h) 23.1 (0.06) 23.1 (0.06) 19.9 (0.05)	Exhaust gas flow rate – m³/min (cfm)	645.8	(22806.2)	645.8	(22806.2)	600.2	(21192.9)	
Heat rejection to jacket water – kW (Btu/min) 917 (52144) 917 (52144) 854 (48592) Heat rejection to exhaust (total) – kW (Btu/min) 3091 (175769) 3091 (175769) 2875 (163492) Heat rejection to aftercooler – kW (Btu/min) 944 (53683) 944 (53683) 827 (47047) Heat rejection to atmosphere from engine – kW (Btu/min) 158 (8993) 158 (8993) 154 (8766) Heat rejection from alternator – kW (Btu/min) 119 (6739) 119 (6739) 108 (6119) Emissions* (Nominal) - Full Load NOx mg/Nm³ (g/hp-h) 2610.4 (5.63) 2610.4 (5.63) 2311.6 (5.02) CO mg/Nm³ (g/hp-h) 305.9 (0.66) 305.9 (0.66) 404.8 (0.89) HC mg/Nm³ (g/hp-h) 17.4 (0.04) 17.4 (0.04) 15.0 (0.04) PM mg/Nm³ (g/hp-h) 17.6 (0.05) 17.6 (0.05) 22.6 (0.06) Emissions* (Potential Site Variation) - Full Load NOx mg/Nm³ (g/hp-h) 3132.5 (6.76) 3132.5 (6.76) 2773.9 (6.02) CO mg/Nm³ (g/hp-h) 550.6 (1.20) 550.6 (1.20) 728.7 (1.60) HC mg/Nm³ (g/hp-h) 23.1 (0.06) 23.1 (0.06) 19.9 (0.05)		7.0	(28.1)	7.0	(28.1)	7.0	(28.1)	
Heat rejection to exhaust (total) – kW (Btu/min) 3091 (175769) 3091 (175769) 2875 (163492) Heat rejection to aftercooler – kW (Btu/min) 944 (53683) 944 (53683) 827 (47047) Heat rejection to atmosphere from engine – kW (Btu/min) 158 (8993) 158 (8993) 154 (8766) Heat rejection from alternator – kW (Btu/min) 119 (6739) 119 (6739) 108 (6119) Emissions* (Nominal) - Full Load NOx mg/Nm³ (g/hp-h) 2610.4 (5.63) 2610.4 (5.63) 2311.6 (5.02) CO mg/Nm³ (g/hp-h) 305.9 (0.66) 305.9 (0.66) 404.8 (0.89) HC mg/Nm³ (g/hp-h) 17.4 (0.04) 17.4 (0.04) 15.0 (0.04) PM mg/Nm³ (g/hp-h) 17.6 (0.05) 17.6 (0.05) 22.6 (0.06) Emissions* (Potential Site Variation) - Full Load NOx mg/Nm³ (g/hp-h) 3132.5 (6.76) 3132.5 (6.76) 2773.9 (6.02) CO mg/Nm³ (g/hp-h) 550.6 (1.20) 550.6 (1.20) 728.7 (1.60) HC mg/Nm³ (g/hp-h) 23.1 (0.06) 23.1 (0.06) 19.9 (0.05)	Heat Rejection							
Heat rejection to aftercooler – kW (Btu/min) 944 (53683) 944 (53683) 827 (47047) Heat rejection to atmosphere from engine – kW (Btu/min) 158 (8993) 158 (8993) 154 (8766) Heat rejection from alternator – kW (Btu/min) 119 (6739) 119 (6739) 108 (6119) Emissions* (Nominal) - Full Load NOx mg/Nm³ (g/hp-h) 2610.4 (5.63) 2610.4 (5.63) 2311.6 (5.02) CO mg/Nm³ (g/hp-h) 305.9 (0.66) 305.9 (0.66) 404.8 (0.89) HC mg/Nm³ (g/hp-h) 17.4 (0.04) 17.4 (0.04) 15.0 (0.04) PM mg/Nm³ (g/hp-h) 17.6 (0.05) 17.6 (0.05) 22.6 (0.06) Emissions* (Potential Site Variation) - Full Load NOx mg/Nm³ (g/hp-h) 3132.5 (6.76) 3132.5 (6.76) 2773.9 (6.02) CO mg/Nm³ (g/hp-h) 550.6 (1.20) 550.6 (1.20) 728.7 (1.60) HC	Heat rejection to jacket water – kW (Btu/min)	917	(52144)	917	(52144)	854	(48592)	
Heat rejection to atmosphere from engine – kW (Btu/min) Heat rejection from alternator – kW (Btu/min) 119 (6739) 119 (6739) 108 (6119) Emissions* (Nominal) - Full Load NOx mg/Nm³ (g/hp-h) 2610.4 (5.63) 2610.4 (5.63) 2311.6 (5.02) CO mg/Nm³ (g/hp-h) 305.9 (0.66) 305.9 (0.66) 404.8 (0.89) HC mg/Nm³ (g/hp-h) 17.4 (0.04) 17.4 (0.04) PM mg/Nm³ (g/hp-h) 17.6 (0.05) 17.6 (0.05) Emissions* (Potential Site Variation) - Full Load NOx mg/Nm³ (g/hp-h) 3132.5 (6.76) 3132.5 (6.76) 2773.9 (6.02) CO mg/Nm³ (g/hp-h) 550.6 (1.20) 550.6 (1.20) 728.7 (1.60) HC mg/Nm³ (g/hp-h) 23.1 (0.06) 23.1 (0.06) 19.9 (0.05)	Heat rejection to exhaust (total) – kW (Btu/min)	3091	(175769)	3091	(175769)	2875	(163492)	
kW (Btu/min) 158 (8993) 158 (8993) 154 (8766) Heat rejection from alternator – kW (Btu/min) 119 (6739) 119 (6739) 108 (6119) Emissions* (Nominal) - Full Load NOx mg/Nm³ (g/hp-h) 2610.4 (5.63) 2610.4 (5.63) 2311.6 (5.02) CO mg/Nm³ (g/hp-h) 305.9 (0.66) 305.9 (0.66) 404.8 (0.89) HC mg/Nm³ (g/hp-h) 17.4 (0.04) 17.4 (0.04) 15.0 (0.04) PM mg/Nm³ (g/hp-h) 17.6 (0.05) 17.6 (0.05) 22.6 (0.06) Emissions* (Potential Site Variation) - Full Load NOx mg/Nm³ (g/hp-h) 3132.5 (6.76) 3132.5 (6.76) 2773.9 (6.02) CO mg/Nm³ (g/hp-h) 550.6 (1.20) 550.6 (1.20) 728.7 (1.60) HC mg/Nm³ (g/hp-h) 23.1 (0.06) 23.1 (0.06) 19.9 (0.05)	Heat rejection to aftercooler – kW (Btu/min)	944	(53683)	944	(53683)	827	(47047)	
Emissions* (Nominal) - Full Load NOx mg/Nm³ (g/hp-h) 2610.4 (5.63) 2610.4 (5.63) 2311.6 (5.02) CO mg/Nm³ (g/hp-h) 305.9 (0.66) 305.9 (0.66) 404.8 (0.89) HC mg/Nm³ (g/hp-h) 17.4 (0.04) 17.4 (0.04) 15.0 (0.04) PM mg/Nm³ (g/hp-h) 17.6 (0.05) 17.6 (0.05) 22.6 (0.06) Emissions* (Potential Site Variation) - Full Load NOx mg/Nm³ (g/hp-h) 3132.5 (6.76) 3132.5 (6.76) 2773.9 (6.02) CO mg/Nm³ (g/hp-h) 550.6 (1.20) 550.6 (1.20) 728.7 (1.60) HC mg/Nm³ (g/hp-h) 23.1 (0.06) 23.1 (0.06) 19.9 (0.05)		158	(8993)	158	(8993)	154	(8766)	
NOx mg/Nm³ (g/hp-h) 2610.4 (5.63) 2610.4 (5.63) 2311.6 (5.02) CO mg/Nm³ (g/hp-h) 305.9 (0.66) 305.9 (0.66) 404.8 (0.89) HC mg/Nm³ (g/hp-h) 17.4 (0.04) 17.4 (0.04) 15.0 (0.04) PM mg/Nm³ (g/hp-h) 17.6 (0.05) 17.6 (0.05) 22.6 (0.06) Emissions* (Potential Site Variation) - Full Load NOx mg/Nm³ (g/hp-h) 3132.5 (6.76) 3132.5 (6.76) 2773.9 (6.02) CO mg/Nm³ (g/hp-h) 550.6 (1.20) 550.6 (1.20) 728.7 (1.60) HC mg/Nm³ (g/hp-h) 23.1 (0.06) 23.1 (0.06) 19.9 (0.05)	Heat rejection from alternator – kW (Btu/min)	119	(6739)	119	(6739)	108	(6119)	
CO mg/Nm³ (g/hp-h) 305.9 (0.66) 305.9 (0.66) 404.8 (0.89) HC mg/Nm³ (g/hp-h) 17.4 (0.04) 17.4 (0.04) 15.0 (0.04) PM mg/Nm³ (g/hp-h) 17.6 (0.05) 17.6 (0.05) 22.6 (0.06) Emissions* (Potential Site Variation) - Full Load NOx mg/Nm³ (g/hp-h) 3132.5 (6.76) 3132.5 (6.76) 2773.9 (6.02) CO mg/Nm³ (g/hp-h) 550.6 (1.20) 550.6 (1.20) 728.7 (1.60) HC mg/Nm³ (g/hp-h) 23.1 (0.06) 23.1 (0.06) 19.9 (0.05)	Emissions* (Nominal) - Full Load							
HC mg/Nm³ (g/hp-h) 17.4 (0.04) 17.4 (0.04) 15.0 (0.04) PM mg/Nm³ (g/hp-h) 17.6 (0.05) 17.6 (0.05) 22.6 (0.06) Emissions* (Potential Site Variation) - Full Load NOx mg/Nm³ (g/hp-h) 3132.5 (6.76) 3132.5 (6.76) 2773.9 (6.02) CO mg/Nm³ (g/hp-h) 550.6 (1.20) 550.6 (1.20) 728.7 (1.60) HC mg/Nm³ (g/hp-h) 23.1 (0.06) 23.1 (0.06) 19.9 (0.05)	NOx mg/Nm³ (g/hp-h)	2610.4	(5.63)	2610.4	(5.63)	2311.6	(5.02)	
PM mg/Nm³ (g/hp-h) 17.6 (0.05) 17.6 (0.05) 22.6 (0.06) Emissions* (Potential Site Variation) - Full Load NOx mg/Nm³ (g/hp-h) 3132.5 (6.76) 3132.5 (6.76) 2773.9 (6.02) CO mg/Nm³ (g/hp-h) 550.6 (1.20) 550.6 (1.20) 728.7 (1.60) HC mg/Nm³ (g/hp-h) 23.1 (0.06) 23.1 (0.06) 19.9 (0.05)	CO mg/Nm³ (g/hp-h)	305.9	(0.66)	305.9	(0.66)	404.8	(0.89)	
Emissions* (Potential Site Variation) - Full Load NOx mg/Nm³ (g/hp-h) 3132.5 (6.76) 3132.5 (6.76) 2773.9 (6.02) CO mg/Nm³ (g/hp-h) 550.6 (1.20) 550.6 (1.20) 728.7 (1.60) HC mg/Nm³ (g/hp-h) 23.1 (0.06) 23.1 (0.06) 19.9 (0.05)	HC mg/Nm³ (g/hp-h)	17.4	(0.04)	17.4	(0.04)	15.0	(0.04)	
NOx mg/Nm³ (g/hp-h) 3132.5 (6.76) 3132.5 (6.76) 2773.9 (6.02) CO mg/Nm³ (g/hp-h) 550.6 (1.20) 550.6 (1.20) 728.7 (1.60) HC mg/Nm³ (g/hp-h) 23.1 (0.06) 23.1 (0.06) 19.9 (0.05)	PM mg/Nm³ (g/hp-h)	17.6	(0.05)	17.6	(0.05)	22.6	(0.06)	
CO mg/Nm³ (g/hp-h) 550.6 (1.20) 550.6 (1.20) 728.7 (1.60) HC mg/Nm³ (g/hp-h) 23.1 (0.06) 23.1 (0.06) 19.9 (0.05)	Emissions* (Potential Site Variation) - Full Load							
HC mg/Nm³ (g/hp-h) 23.1 (0.06) 23.1 (0.06) 19.9 (0.05)	NOx mg/Nm³ (g/hp-h)	3132.5	(6.76)	3132.5	(6.76)	2773.9	(6.02)	
HC mg/Nm³ (g/hp-h) 23.1 (0.06) 23.1 (0.06) 19.9 (0.05)	CO mg/Nm³ (g/hp-h)	550.6	(1.20)	550.6	(1.20)	728.7	(1.60)	
PM mg/Nm³ (g/hp-h) 24.6 (0.06) 24.6 (0.06) 31.6 (0.08)	HC mg/Nm³ (g/hp-h)	23.1	(0.06)	23.1	(0.06)	19.9	(0.05)	
	PM mg/Nm³ (g/hp-h)	24.6	(0.06)	24.6	(0.06)	31.6	(0.08)	

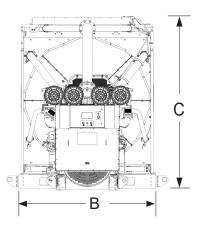
 $^{^*}mg/Nm^3$ levels are corrected to 5% O2. Contact your local Cat dealer for further information

LEHE2570-05 Page 3 of 4



Weights and Dimensions





Rating	Dim "A"	Dim "B"	Dim "C"	Dry Weight
ekW (kVA)	mm (in)	mm (in)	mm (in)	kg (lb)
3000 (3750)	7678 (302.3)	2874 (113.2)	3639 (143.3)	

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.

www.cat.com/electricpower

©2023 Caterpillar All rights reserved.

Materials and specifications are subject to change without notice. The International System of Units (SI) is used in this publication.