Cat® 3512B

Diesel Generator Sets





Bore – mm (in)	170 (6.69)
Stroke – mm (in)	190 (7.48)
Displacement – L (in³)	51.8 (3161)
Compression Ratio	14.0:1
Aspiration	TA
Fuel System	EUI
Governor Type	ADEM™ A3

Image shown may not reflect actual configuration

Prime-DCP 50 Hz kVA (ekW)	Emissions Performance
1500 (1200)	Optimized for Low Fuel Consumption or Low Emissions

Features

Cat® Diesel Engine

- Designed and optimized for low emissions or low fuel consumption
- 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

- 12 months/unlimited hour warranty for prime-DCP 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

LEHE20028-02 Page 1 of 5



Standard and Optional Equipment

Engine	Daway Taymin atia	Vibration looks ::		
	Power Termination	Vibration Isolators		
Air Cleaner ☐ Single element ☐ Dual element ☐ Heavy duty	Type □ Bus bar □ Circuit breaker □ 1600A □ 2000A	☐ Rubber☐ Spring☐ Seismic rated		
☐ Heavy duty	□ 2500A □ 3000A	Cat Connect		
Muffler ☐ Industrial grade (10 dB) ☐ Residential grade (20 dB) ☐ Critical grade (35 dB)	□ 3200A □ UL □ IEC □ 3-pole □ 4-pole □ Manually operated	Connectivity ☐ Ethernet ☐ Cellular		
Starting ☐ Standard batteries	☐ Electrically operated	Extended Service Options		
□ Oversized batteries□ Standard electric starter(s)□ Dual electric starter(s)	Trip Unit LSI LSI-G LSIG-P	Terms □ 2 year (prime) □ 3 year □ 5 year □ 10 year		
☐ Air starter(s) ☐ Jacket water heater	Control System			
Alternator	Controller ☐ Cat ECS 100	Coverage ☐ Silver		
Output voltage □ 380V □ 6600V	☐ Cat ECS 200 ☐ EMCP 4.4 Attachments	☐ Silver☐ Gold☐ Platinum☐ Platinum☐ Platinum☐ Silver☐		
□ 400V □ 6900V □ 10000V	☐ Local annunciator module			
□ 3300V □ 10500V	☐ Remote annunciator module	Ancillary Equipment		
□ 6300V □ 11000V	☐ Expansion I/O module☐ Remote monitoring software	☐ Automatic transfer switch (ATS)		
Temperature Rise (over 40°C ambient) □ 150°C	Charging	☐ Paralleling switchgear☐ Paralleling controls		
□ 125°C/130°C	□ Battery charger – 10A□ Battery charger – 20A	Certifications		
□ 105°C □ 80°C	☐ Battery charger – 35A	☐ IBC seismic certification		
Winding type ☐ Random wound ☐ Form wound		□ EU Declaration of Conformity□ EU Declaration of Incorporation□ Eurasian Conformity (EAC)		
Excitation				
☐ Internal excitation (IE)☐ Permanent magnet (PM)				
Attachments				
 □ Anti-condensation heater □ Stator and bearing temperature monitoring and protection 				

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

LEHE20028-02 Page 2 of 5



Package Performance

Low Fuel Consumption

Frequency Gen set power rating with fan Gen set power rating with fan @ 0.8 power factor SCAC temperature Performance number	1200 1500 30	Hz ekW kVA		Hz) eKW		Hz eKW	
Gen set power rating with fan @ 0.8 power factor SCAC temperature Performance number	1500	kVA			1200	eKW	
0.8 power factor SCAC temperature Performance number	30		1500) I// / A		1200 eKW	
Performance number		°C		JKVA	1500 kVA		
	EM58	•	60°C		90°C		
		EM5882-00		EM5883-00		EM5884-00	
Fuel Consumption							
100% load with fan – L/hr (gal/hr)	299.0	(79.0)	302.7	(79.9)	309.4	(81.7)	
75% load with fan – L/hr (gal/hr)	225.1	(59.5)	231.4	(61.1)	231.0	(61.0)	
50% load with fan – L/hr (gal/hr)	157.1	(41.5)	160.2	(42.3)	163.1	(43.1)	
25% load with fan – L/hr (gal/hr)	94.3	(24.9)	92.3	(24.4)	95.4	(25.2)	
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)	1283	(45308)	1283	(45308)	1283	(45308)	
Engine coolant capacity – L (gal)	156.8	(41.4)	156.8	(41.4)	156.8	(41.4)	
Radiator coolant capacity – L (gal)	146.0	(38.6)	146.0	(38.6)	146.0	(38.6)	
Total coolant capacity – L (gal)	302.8	(80.0)	302.8	(80.0)	302.8	(80.0)	
Inlet Air							
Combustion air inlet flow rate – m³/min (cfm)	108.3	(3824.1)	99.8	(3524.0)	96.0	(3389.8)	
Exhaust System							
Exhaust stack gas temperature – °C (°F)	392.4	(738.3)	448.3	(838.9)	492.7	(918.9)	
Exhaust gas flow rate – m³/min (cfm)	253.2	(8940.6)	253.7	(8958.2)	259.7	(9170.1)	
Exhaust system backpressure	6.7	(26.9)	6.7	(26.9)	6.7	(26.9)	
(maximum allowable) – kPa (in. water)		(====)		(====)	0	(=0.0)	
Heat Rejection	400	(07007)	F40	(20002)	E 4.4	(00707)	
Heat rejection to jacket water – kW (Btu/min)	480	(27297)	510	(29003)	541	(30767)	
Heat rejection to exhaust (total) – kW (Btu/min) Heat rejection to aftercooler – kW (Btu/min)	1030 331	(58574)	1104	(62782)	1154	(65625)	
Heat rejection to atmosphere from engine –	331	(10023)	265	(15070)	214	(12169)	
kW (Btu/min)	111	(6312)	125	(7109)	139	(7905)	
Heat rejection from alternator – kW (Btu/min)	51	(2917)	51	(2917)	51	(2917)	
Emissions* (Nominal)							
NOx mg/Nm³ (g/hp-h)	3243.7	(6.58)	4446.4	(9.14)	3538.3	(7.44)	
CO mg/Nm³ (g/hp-h)	698.4	(1.42)	632.5	(1.30)	594.1	(1.25)	
HC mg/Nm³ (g/hp-h)	69.9	(0.14)	63.9	(0.13)	70.2	(0.15)	
PM mg/Nm³ (g/hp-h)	32.0	(0.06)	25.8	(0.05)	25.3	(0.05)	
Emissions* (Potential Site Variation)							
NOx mg/Nm³ (g/hp-h)	3892.5	(7.90)	5335.6	(10.97)	4246.0	(8.93)	
CO mg/Nm³ (g/hp-h)	1257.1	(2.55)	1138.5	(2.34)	1069.4	(2.25)	
HC mg/Nm³ (g/hp-h)	93.0	(0.19)	85.0	(0.17)	93.4	(0.20)	
PM mg/Nm³ (g/hp-h)	44.8	(0.09)	36.1	(0.07)	35.4	(0.07)	

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

LEHE20028-02 Page 3 of 5



Package Performance

Low Emissions

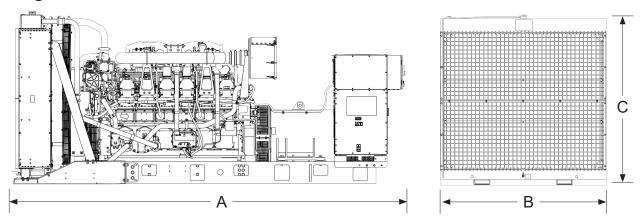
Frequency	Performance	Prime	e-DCP	Prim	e-DCP	Prime	-DCP
Gen set power rating with fan @ 0.8 power factor 30°C 60°C 90°C	Frequency	50	Hz	50) Hz	50	Hz
1500 kVA	Gen set power rating with fan	1200	eKW	1200 eKW		1200 eKW	
Performance number		1500	00 kVA 1500 kVA		1500 kVA		
Fuel Consumption 100% load with fan - L/hr (gal/hr) 321.0 (84.8) 325.7 (86.0) 305.0 (80.6) 75% load with fan - L/hr (gal/hr) 239.6 (63.3) 248.7 (65.7) 235.9 (62.3) 50% load with fan - L/hr (gal/hr) 161.8 (42.8) 166.5 (44.0) 167.9 (44.3) 25% load with fan - L/hr (gal/hr) 94.2 (24.9) 97.0 (25.6) 96.1 (25.4) (25.6) 96.1 (25.4) (26.9) 97.0 (25.6) 96.1 (25.4) (26.9) (26.6) 96.1 (25.4) (26.9) (26.6) 96.1 (25.4) (26.9) (26.8) (26.9)	SCAC temperature	30°C		60°C		90°C	
100% load with fan - L/hr (gal/hr) 321.0 (84.8) 325.7 (86.0) 305.0 (80.6) 75% load with fan - L/hr (gal/hr) 239.6 (63.3) 248.7 (65.7) 235.9 (62.3) 50% load with fan - L/hr (gal/hr) 161.8 (42.8) 166.5 (44.0) 167.9 (44.3) 25% load with fan - L/hr (gal/hr) 94.2 (24.9) 97.0 (25.6) 96.1 (25.4) 25% load with fan - L/hr (gal/hr) 94.2 (24.9) 97.0 (25.6) 96.1 (25.4) 25% load with fan - L/hr (gal/hr) 94.2 (24.9) 97.0 (25.6) 96.1 (25.4) 26% load with fan - L/hr (gal/hr) 94.2 (24.9) 97.0 (25.6) 96.1 (25.4) 26% load with fan - L/hr (gal/hr) 94.2 (24.9) 97.0 (25.6) 96.1 (25.4) 26% load with fan - L/hr (gal/hr) 94.2 (24.9) 97.0 (25.6) 96.1 (25.4) 26% load with fan - L/hr (gal/hr) 94.2 (24.9) 97.0 (25.6) 96.1 (25.4) 26% load with fan - L/hr (gal/hr) 94.2 (24.9) 97.0 (25.6) 96.1 (25.4) 26% load with fan - L/hr (gal/hr) 94.2 (24.9) 97.0 (25.6) 96.1 (25.4) 26% load with fan - L/hr (gal/hr) 94.2 (24.9) 97.0 (25.6) 96.1 (25.4) 26% load with fan - L/hr (gal/hr) 94.2 (24.9) 97.0 (25.6) 96.1 (25.4) 26% load with fan - L/hr (gal/hr) 94.2 (24.9) 97.0 (25.6) 96.1 (25.4) 26% load with fan - L/hr (gal/hr) 94.2 (24.9) 97.0 (25.6) 96.1 (25.4) 26% load with fan - L/hr (gal/hr) 94.2 (24.9) 97.0 (26.8) 128.3 (45308) 96.1 (25.4) 268.0 (26.8) 268.0 (26.8) 268.0 (26.9) 26	Performance number	EM58	88-00	EM5	889-00	EM5890-00	
75% 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)	321.0	(84.8)	325.7	(86.0)	305.0	(80.6)
25% load with fan - L/hr (gal/hr)	75% load with fan – L/hr (gal/hr)	239.6	(63.3)	248.7	(65.7)	235.9	(62.3)
Radiator air flow restriction (system)	50% load with fan – L/hr (gal/hr)	161.8	(42.8)	166.5	(44.0)	167.9	(44.3)
Radiator air flow restriction (system) - kPa (in. water)	25% load with fan – L/hr (gal/hr)	94.2	(24.9)	97.0	(25.6)	96.1	(25.4)
RPa (in. water)	Cooling System						
Engine coolant capacity — L (gal)		0.12	(0.48)	0.12	(0.48)	0.12	(0.48)
Radiator coolant capacity – L (gal) 146.0 (38.6) 146.0 (38.6) 146.0 (38.6) 146.0 (38.6) 170 (38.6) 146.0 (38.6) 146.0 (38.6) 170 (38	Radiator air flow – m³/min (cfm)	1283	(45308)	1283	(45308)	1283	(45308)
Total coolant capacity — L (gal) 302.8 (80.0) 302.8 (80.0) 302.8 (80.0) Inlet Air Combustion air inlet flow rate — m³/min (cfm) 116.5 (4113.7) 109.4 (3863.0) 98.0 (3460.4) Exhaust System Exhaust stack gas temperature — °C (°F) 409.9 (769.8) 466.0 (870.8) 462.4 (864.3) Exhaust system backpressure (maximum allowable) — kPa (in. water) 6.7 (26.9) 6.7	Engine coolant capacity – L (gal)	156.8	(41.4)	156.8	(41.4)	156.8	(41.4)
The form Combustion air inlet flow rate - m³/min (cfm) 116.5 (4113.7) 109.4 (3863.0) 98.0 (3460.4)	Radiator coolant capacity – L (gal)	146.0	(38.6)	146.0	(38.6)	146.0	(38.6)
Combustion air inlet flow rate - m³/min (cfm) 116.5 (4113.7) 109.4 (3863.0) 98.0 (3460.4)	Total coolant capacity – L (gal)	302.8	(80.0)	302.8	(80.0)	302.8	(80.0)
Exhaust System Exhaust stack gas temperature – °C (°F)	Inlet Air						
Exhaust stack gas temperature - °C (°F)	Combustion air inlet flow rate – m³/min (cfm)	116.5	(4113.7)	109.4	(3863.0)	98.0	(3460.4)
Exhaust gas flow rate — m³/min (cfm) 279.7 (9876.3) 284.6 (10049.3) 254.3 (8979.4) Exhaust system backpressure (maximum allowable) — kPa (in. water) 6.7 (26.9) 6.7 (26.9) 6.7 (26.9)	Exhaust System						
Exhaust system backpressure (maximum allowable) – kPa (in. water) Heat Rejection Heat rejection to jacket water – kW (Btu/min) 511 (29060) 540 (30709) 543 (30879) Heat rejection to exhaust (total) – kW (Btu/min) 1182 (67218) 1266 (71995) 1156 (65740) Heat rejection to aftercooler – kW (Btu/min) 410 (23316) 331 (18824) 232 (13193) Heat rejection to atmosphere from engine – kW (Btu/min) 51 (2917) 51 (2917) 51 (2917) Emissions* (Nominal) NOx mg/Nm³ (g/hp-h) 1819.2 (3.97) 1958.9 (4.33) 4068.0 (8.43) CO mg/Nm³ (g/hp-h) 133.2 (0.29) 645.3 (1.43) 616.1 (1.28) HC mg/Nm³ (g/hp-h) 36.0 (0.08) 32.7 (0.07) 25.2 (0.05) Emissions* (Potential Site Variation) NOx mg/Nm³ (g/hp-h) 2183.0 (4.76) 2350.7 (5.20) 4881.6 (10.12) CO mg/Nm³ (g/hp-h) 239.8 (0.52) 1161.5 (2.57) 1109.0 (2.30) HC mg/Nm³ (g/hp-h) 102.3 (0.22) 84.5 (0.19) 93.9 (0.19)	Exhaust stack gas temperature – °C (°F)	409.9	(769.8)	466.0	(870.8)	462.4	(864.3)
Heat Rejection Heat rejection to jacket water - kW (Btu/min) S11 (29060) 540 (30709) 543 (30879) Heat rejection to exhaust (total) - kW (Btu/min) 1182 (67218) 1266 (71995) 1156 (65740) Heat rejection to aftercooler - kW (Btu/min) 410 (23316) 331 (18824) 232 (13193) Heat rejection to atmosphere from engine - kW (Btu/min) 124 (7052) 138 (7848) 140 (7962) Heat rejection from alternator - kW (Btu/min) 51 (2917) 51 (2917) 51 (2917) 51 (2917) Emissions* (Nominal) NOx mg/Nm³ (g/hp-h) 1819.2 (3.97) 1958.9 (4.33) 4068.0 (8.43) 4068.0 (8.43) HC mg/Nm³ (g/hp-h) 36.0 (0.08) 32.7 (0.07) 25.2 (0.05) Emissions* (Potential Site Variation) 2183.0 (4.76) 2350.7 (5.20) 4881.6 (10.12) CO mg/Nm³ (g/hp-h) 239.8 (0.52) 1161.5 (2.57) 1109.0 (2.30) HC mg/Nm³ (g/hp-h) 102.3 (0.22) 84.5 (0.19) 93.9 (0.19)	Exhaust gas flow rate – m³/min (cfm)	279.7	(9876.3)	284.6	(10049.3)	254.3	(8979.4)
Heat rejection to jacket water – kW (Btu/min) 511 (29060) 540 (30709) 543 (30879) Heat rejection to exhaust (total) – kW (Btu/min) 1182 (67218) 1266 (71995) 1156 (65740) Heat rejection to aftercooler – kW (Btu/min) 410 (23316) 331 (18824) 232 (13193) Heat rejection to atmosphere from engine – kW (Btu/min) 124 (7052) 138 (7848) 140 (7962) Heat rejection from alternator – kW (Btu/min) 51 (2917) 51 (2917) 51 (2917) Emissions* (Nominal) NOx mg/Nm³ (g/hp-h) 1819.2 (3.97) 1958.9 (4.33) 4068.0 (8.43) CO mg/Nm³ (g/hp-h) 133.2 (0.29) 645.3 (1.43) 616.1 (1.28) HC mg/Nm³ (g/hp-h) 76.9 (0.17) 63.5 (0.14) 70.6 (0.15) PM mg/Nm³ (g/hp-h) 36.0 (0.08) 32.7 (0.07) 25.2 (0.05) Emissions* (Potential Site Variation) 2183.0 (4.76) 2350.7 (5.20) 4881.6 (10.12) CO mg/Nm³ (g/hp-h) 239.8 (0.52) 1161.5 (2.57) 1109.0 (2.30) HC mg/Nm³ (g/hp-h) 102.3 (0.22) 84.5 (0.19) 93.9 (0.19)		6.7	(26.9)	6.7	(26.9)	6.7	(26.9)
Heat rejection to exhaust (total) – kW (Btu/min) 1182 (67218) 1266 (71995) 1156 (65740) Heat rejection to aftercooler – kW (Btu/min) 410 (23316) 331 (18824) 232 (13193) Heat rejection to atmosphere from engine – kW (Btu/min) 124 (7052) 138 (7848) 140 (7962) Heat rejection from alternator – kW (Btu/min) 51 (2917) 51 (2917) 51 (2917) Emissions* (Nominal) NOx mg/Nm³ (g/hp-h) 1819.2 (3.97) 1958.9 (4.33) 4068.0 (8.43) CO mg/Nm³ (g/hp-h) 133.2 (0.29) 645.3 (1.43) 616.1 (1.28) HC mg/Nm³ (g/hp-h) 76.9 (0.17) 63.5 (0.14) 70.6 (0.15) PM mg/Nm³ (g/hp-h) 36.0 (0.08) 32.7 (0.07) 25.2 (0.05) Emissions* (Potential Site Variation) NOx mg/Nm³ (g/hp-h) 2183.0 (4.76) 2350.7 (5.20) 4881.6 (10.12) CO mg/Nm³ (g/hp-h) 239.8 (0.52) 1161.5 (2.57) 1109.0 (2.30) HC mg/Nm³ (g/hp-h) 102.3 (0.22) 84.5 (0.19) 93.9 (0.19)	Heat Rejection						
Heat rejection to aftercooler – kW (Btu/min)	Heat rejection to jacket water – kW (Btu/min)	511	(29060)	540	(30709)	543	(30879)
Heat rejection to atmosphere from engine - kW (Btu/min) 124 (7052) 138 (7848) 140 (7962)	Heat rejection to exhaust (total) – kW (Btu/min)	1182	(67218)	1266	(71995)	1156	(65740)
kW (Btu/min) 124 (7052) 138 (7848) 140 (7962) Heat rejection from alternator – kW (Btu/min) 51 (2917) 51 (2917) 51 (2917) Emissions* (Nominal) NOx mg/Nm³ (g/hp-h) 1819.2 (3.97) 1958.9 (4.33) 4068.0 (8.43) CO mg/Nm³ (g/hp-h) 133.2 (0.29) 645.3 (1.43) 616.1 (1.28) HC mg/Nm³ (g/hp-h) 76.9 (0.17) 63.5 (0.14) 70.6 (0.15) PM mg/Nm³ (g/hp-h) 36.0 (0.08) 32.7 (0.07) 25.2 (0.05) Emissions* (Potential Site Variation) NOx mg/Nm³ (g/hp-h) 2183.0 (4.76) 2350.7 (5.20) 4881.6 (10.12) CO mg/Nm³ (g/hp-h) 239.8 (0.52) 1161.5 (2.57) 1109.0 (2.30) HC mg/Nm³ (g/hp-h) 102.3 (0.22) 84.5 (0.19) 93.9 (0.19)	Heat rejection to aftercooler – kW (Btu/min)	410	(23316)	331	(18824)	232	(13193)
Emissions* (Nominal) NOx mg/Nm³ (g/hp-h) 1819.2 (3.97) 1958.9 (4.33) 4068.0 (8.43) CO mg/Nm³ (g/hp-h) 133.2 (0.29) 645.3 (1.43) 616.1 (1.28) HC mg/Nm³ (g/hp-h) 76.9 (0.17) 63.5 (0.14) 70.6 (0.15) PM mg/Nm³ (g/hp-h) 36.0 (0.08) 32.7 (0.07) 25.2 (0.05) Emissions* (Potential Site Variation) NOx mg/Nm³ (g/hp-h) 2183.0 (4.76) 2350.7 (5.20) 4881.6 (10.12) CO mg/Nm³ (g/hp-h) 239.8 (0.52) 1161.5 (2.57) 1109.0 (2.30) HC mg/Nm³ (g/hp-h) 102.3 (0.22) 84.5 (0.19) 93.9 (0.19)		124	(7052)	138	(7848)	140	(7962)
NOx mg/Nm³ (g/hp-h) 1819.2 (3.97) 1958.9 (4.33) 4068.0 (8.43) CO mg/Nm³ (g/hp-h) 133.2 (0.29) 645.3 (1.43) 616.1 (1.28) HC mg/Nm³ (g/hp-h) 76.9 (0.17) 63.5 (0.14) 70.6 (0.15) PM mg/Nm³ (g/hp-h) 36.0 (0.08) 32.7 (0.07) 25.2 (0.05) Emissions* (Potential Site Variation) NOx mg/Nm³ (g/hp-h) 2183.0 (4.76) 2350.7 (5.20) 4881.6 (10.12) CO mg/Nm³ (g/hp-h) 239.8 (0.52) 1161.5 (2.57) 1109.0 (2.30) HC mg/Nm³ (g/hp-h) 102.3 (0.22) 84.5 (0.19) 93.9 (0.19)		51	(2917)	51	(2917)	51	(2917)
CO mg/Nm³ (g/hp-h) 133.2 (0.29) 645.3 (1.43) 616.1 (1.28) HC mg/Nm³ (g/hp-h) 76.9 (0.17) 63.5 (0.14) 70.6 (0.15) PM mg/Nm³ (g/hp-h) 36.0 (0.08) 32.7 (0.07) 25.2 (0.05) Emissions* (Potential Site Variation) NOx mg/Nm³ (g/hp-h) 2183.0 (4.76) 2350.7 (5.20) 4881.6 (10.12) CO mg/Nm³ (g/hp-h) 239.8 (0.52) 1161.5 (2.57) 1109.0 (2.30) HC mg/Nm³ (g/hp-h) 102.3 (0.22) 84.5 (0.19) 93.9 (0.19)	Emissions* (Nominal)						
HC mg/Nm³ (g/hp-h) 76.9 (0.17) 63.5 (0.14) 70.6 (0.15) PM mg/Nm³ (g/hp-h) 36.0 (0.08) 32.7 (0.07) 25.2 (0.05) Emissions* (Potential Site Variation) NOx mg/Nm³ (g/hp-h) 2183.0 (4.76) 2350.7 (5.20) 4881.6 (10.12) CO mg/Nm³ (g/hp-h) 239.8 (0.52) 1161.5 (2.57) 1109.0 (2.30) HC mg/Nm³ (g/hp-h) 102.3 (0.22) 84.5 (0.19) 93.9 (0.19)	NOx mg/Nm³ (g/hp-h)	1819.2	(3.97)	1958.9	(4.33)	4068.0	(8.43)
PM mg/Nm³ (g/hp-h) 36.0 (0.08) 32.7 (0.07) 25.2 (0.05) Emissions* (Potential Site Variation) NOx mg/Nm³ (g/hp-h) 2183.0 (4.76) 2350.7 (5.20) 4881.6 (10.12) CO mg/Nm³ (g/hp-h) 239.8 (0.52) 1161.5 (2.57) 1109.0 (2.30) HC mg/Nm³ (g/hp-h) 102.3 (0.22) 84.5 (0.19) 93.9 (0.19)	CO mg/Nm³ (g/hp-h)	133.2	(0.29)	645.3	(1.43)	616.1	(1.28)
Emissions* (Potential Site Variation) NOx mg/Nm³ (g/hp-h) 2183.0 (4.76) 2350.7 (5.20) 4881.6 (10.12) CO mg/Nm³ (g/hp-h) 239.8 (0.52) 1161.5 (2.57) 1109.0 (2.30) HC mg/Nm³ (g/hp-h) 102.3 (0.22) 84.5 (0.19) 93.9 (0.19)	HC mg/Nm³ (g/hp-h)	76.9	(0.17)	63.5	(0.14)	70.6	(0.15)
NOx mg/Nm³ (g/hp-h) 2183.0 (4.76) 2350.7 (5.20) 4881.6 (10.12) CO mg/Nm³ (g/hp-h) 239.8 (0.52) 1161.5 (2.57) 1109.0 (2.30) HC mg/Nm³ (g/hp-h) 102.3 (0.22) 84.5 (0.19) 93.9 (0.19)	PM mg/Nm³ (g/hp-h)	36.0	(80.0)	32.7	(0.07)	25.2	(0.05)
CO mg/Nm³ (g/hp-h) 239.8 (0.52) 1161.5 (2.57) 1109.0 (2.30) HC mg/Nm³ (g/hp-h) 102.3 (0.22) 84.5 (0.19) 93.9 (0.19)	Emissions* (Potential Site Variation)						
HC mg/Nm³ (g/hp-h) 102.3 (0.22) 84.5 (0.19) 93.9 (0.19)	NOx mg/Nm³ (g/hp-h)	2183.0	(4.76)	2350.7	(5.20)	4881.6	(10.12)
	CO mg/Nm³ (g/hp-h)	239.8	(0.52)	1161.5	(2.57)	1109.0	(2.30)
PM mg/Nm³ (g/hp-h) 50.4 (0.11) 45.8 (0.10) 35.3 (0.07)	HC mg/Nm³ (g/hp-h)	102.3	(0.22)	84.5	(0.19)	93.9	(0.19)
	PM mg/Nm³ (g/hp-h)	50.4	(0.11)	45.8	(0.10)	35.3	(0.07)

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

LEHE20028-02 Page 4 of 5



Weights and Dimensions



Dim "A"	Dim "B"	Dim "C"	Dry Weight
mm (in)	mm (in)	mm (in)	kg (lb)
5488 (216.1)	2286 (90.0)	2420 (95.3)	11 647 (25,677)

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

Ratings Definitions

Prime-DCP

For data center applications only. Prime-DCP power output available with varying load for unlimited time. Average power output is not to exceed 100% of prime-DCP rated ekW. Typical peak demand is 100% of the prime-DCP 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, 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

- ISO 8528-1 Data Center Power (DCP) compliant per Cat diesel generator set prime-DCP rating.
- · 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

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the "Power Edge" and Cat "Modern Hex" trade dress as well as corporate and product identity