





Bore – mm (in)	170 (6.69)		
Stroke – mm (in)	215 (8.46)		
Displacement – L (in ³)	78 (4764.73)		
Compression Ratio	14.7:1		
Aspiration	TA		
Fuel System	EUI		
Governor Type	ADEM™ A3		

Image shown may not reflect actual configuration

Standby	Mission Critical	Prime	Emissions Performance
60 Hz ekW (kVA)	60 Hz ekW (kVA)	60 Hz ekW (kVA)	
2000 (2500)	2000 (2500)	1825 (2281)	U.S. EPA Tier 4 Final

Standard Features

Cat® Diesel Engine

- · Meets U.S. EPA Tier 4 Final emission standards
- Reliable performance proven in thousands of applications worldwide

Generator Set Package

- Accepts 100% block load in one step and meets other 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

Clean Emissions Module

- Diesel oxidation catalyst for particulate matter (PM) and hydrocarbon (HC) control
- Selective catalytic reduction (SCR) for nitrogen oxides (NOx) control
- Integrated electronics for monitoring, protection, and closed loop NOx control

EMCP 4 Control Panels

- · 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

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



Optional Equipment

Engine

Air Cleaner

Single elementDual element

Muffler

□ Industrial grade (12 dB)

Starting

Standard batteries
 Oversized batteries
 Standard electric starter(s)
 Heavy duty electric starter(s)
 Air starter(s)
 Jacket water heater

Alternator

Output voltage

□ 480V
□ 6600V
□ 600V
□ 6900V
□ 2400V
□ 12470V
□ 4160V
□ 13200V
□ 6300V
□ 13800V

Temperature Rise

(over 40°C ambient) □ 150°C □ 125°C/130°C □ 105°C □ 80°C

Winding type

Random woundForm wound

Excitation

Self excited
 Internal excitation (IE)
 Permanent magnet (PM)

Attachments

□ Anti-condensation heater

Stator and bearing temperature monitoring and protection

Power Termination

Туре

Bus bar
 Circuit breaker
 1600A
 2000A
 2500A
 3000A
 3200A
 4000A
 5000A
 UL
 IEC
 3-pole
 4-pole
 Manually operated
 Electrically operated

Trip Unit

LSI LSI-G LSIG-P

Control System

Controller EMCP 4.3 EMCP 4.4

Attachments

Local annunciator module
 Remote annunciator module
 Expansion I/O module
 Remote monitoring software

Charging

Battery charger – 10A
 Battery charger – 20A
 Battery charger – 35A

Vibration Isolators

- Rubber
- Spring
- Seismic rated

Cat Connect

Connectivity

- □ Satellite

Extended Service Options

Terms

2 year (prime)
 3 year
 5 year
 10 year

Coverage

- Silver
- Gold
- Platinum
- Platinum Plus

Ancillary Equipment

- □ Automatic transfer switch
- (ATS)Uninterruptible power supply (UPS)
- Paralleling switchgear
- Paralleling controls

Certifications

IBC seismic certification
 OSHPD pre-approval

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

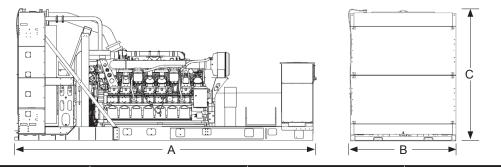


Package Performance

Performance	Sta	indby	Missio	n Critical	Pr	ime	
Frequency	60) Hz	60) Hz	60) Hz	
Gen set power rating with fan	200	2000 ekW		2000 ekW		1825 ekW	
Gen set power rating with fan @ 0.8 power factor	250	2500 kVA		2500 kVA		2281 kVA	
Emissions	Tier	4 Final	Tier 4 Final		Tier 4 Final		
Performance number	DM9	368-01	DM9300-01		DM9369-01		
Fuel Consumption							
100% load with fan – L/hr (gal/hr)	528.0	(139.5)	528.0	(139.5)	484.6	(128.8)	
75% load with fan – L/hr (gal/hr)	409.8	(108.3)	409.8	(108.3)	382.2	(101.0)	
50% load with fan – L/hr (gal/hr)	297.0	(78.5)	297.0	(78.5)	277.8	(73.4)	
25% load with fan – L/hr (gal/hr)	181.3	(47.9)	181.3	(47.9)	172.7	(45.6)	
Diesel Exhaust Fluid (DEF) Consumption							
100% load with fan – L/hr (gal/hr)	38.2	(10.1)	38.2	(10.1)	33.7	(8.9)	
75% load with fan – L/hr (gal/hr)	25.0	(6.6)	25.0	(6.6)	21.2	(5.6)	
50% load with fan – L/hr (gal/hr)	13.2	(3.5)	13.2	(3.5)	12.1	(3.2)	
25% load with fan – L/hr (gal/hr)	6.1	(1.6)	6.1	(1.6)	5.7	(1.5)	
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)	2661.0	(93972)	2661.0	(93972)	2661.0	(93972)	
Engine coolant capacity – L (gal)	233.0	(61.6)	233.0	(61.6)	233.0	(61.6)	
Radiator coolant capacity – L (gal)	238.5	(63.0)	238.5	(63.0)	238.5	(63.0)	
Total coolant capacity – L (gal)	471.5	(124.6)	471.5	(124.6)	471.5	(124.6)	
Inlet Air							
Combustion air inlet flow rate – m ³ /min (cfm)	172.7	(6097.7)	172.7	(6097.7)	161.9	(5716.6)	
Exhaust System							
Exhaust stack gas temperature – °C (°F)	493.7	(920.6)	493.7	(920.6)	487.8	(910.0)	
Exhaust gas flow rate – m³/min (cfm)	461.7	(16301.3)	461.7	(16301.3)	427.5	(15095.5)	
Exhaust system backpressure (maximum allowable) – kPa (in. water)	6.0	(24.0)	6.0	(24.0)	6.0	(24.0)	
CEM outlet temperature – °C (°F)	476.9	(890.5)	476.9	(890.5)	469.4	(876.9)	
Heat Rejection							
Heat rejection to jacket water – kW (Btu/min)	705	(40104)	705	(40104)	663	(37690)	
Heat rejection to exhaust (total) – kW (Btu/min)	2070	(117743)	2070	(117743)	1905	(108311)	
Heat rejection to aftercooler – kW (Btu/min)	487	(27713)	487	(27713)	422	(24018)	
Heat rejection to atmosphere from engine – kW (Btu/min)	151	(8584)	151	(8584)	146	(8304)	
Heat rejection to atmosphere from CEM – kW (Btu/min)	85	(4826)	85	(4826)	86	(4886)	
Heat rejection from alternator – kW (Btu/min)	96	(5482)	96	(5482)	86	(4891)	

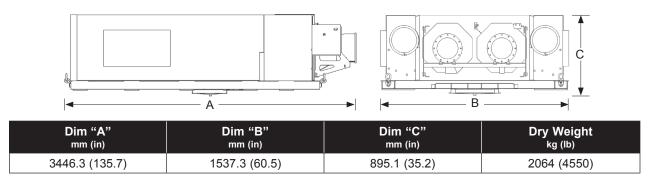


Weights and Dimensions



Dim "A"	Dim "B"	Dim "C"	Dry Weight
mm (in)	mm (in)	mm (in)	^{kg (lb)}
6796.6 (267.6)	2378.7 (93.7)	2964.8 (116.7)	

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 power rating. 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 power rating. Typical peak demand up to 100% of rated power 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 power rating. 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, CSA C22.2 No. 100-04, UL 142, UL 489, UL 869, UL 2200, NFPA37, NFPA70, NFPA99, NFPA110, IBC, IEC 60034-1, ISO 3046, ISO 8528, NEMA MG1-22, NEMA MG1-33, 2014/35/EU, 2006/42/EC, 2014/30/EU.

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

Data Center Applications

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

Fuel Rates

Fuel rates are 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 29°C (85°F) and weighing 838.9 g/liter (7.001 lbs/U.S. gal.)

www.cat.com/electricpower

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

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