

Exclusively from your Caterpillar® dealer



STANDBY 150-200 kW
PRIME 135-180 kW
60 Hz

Model	Standby kW (kVA)	Prime kW (kVA)
D150P6* [∞]	150 (188)	135 (169)
D200P4* [∞]	200 (250)	180 (225)

*Tier II EPA Approved, Emissions Certified

[∞]50 Hz option is available. Consult factory for more details.

FEATURES

GENERATOR SET

- Complete system designed and built at ISO 9001 certified facilities
- Factory tested to design specifications at full load conditions

ENGINE

- Governing, electronic
- Electrical system, 24 VDC
- Cartridge type filters
- Battery(ies), rack and cables
- Coolant and lube drains piped to edge of base

GENERATOR

- Insulation system, class H
- Electrical design in accordance with BS5000 Part 99, IEC60034-1, EN61000-6, NEMA MG-1.33

CONTROL SYSTEM

- 2001 Series Autostart control panel
- Vibration isolated NEMA 1 enclosure with lockable hinged door
- DC and AC wiring harnesses

MOUNTING ARRANGEMENT

- Heavy-duty fabricated steel base with lifting points
- Anti-vibration pads to ensure vibration isolation
- Complete OSHA guarding
- Stub-up pipe ready for connection to silencer pipework
- Flexible fuel lines to base with NPT connections

COOLING SYSTEM

- Radiator and cooling fan complete with protective guards
- Standard ambient temperatures up to 122° F (50° C)

CIRCUIT BREAKER

- UL/CSA listed
- 3-pole with solid neutral
- NEMA 1 steel enclosure, vibration isolated
- Electrical stub-up area directly below circuit breaker

AUTOMATIC VOLTAGE REGULATOR

- Voltage within $\pm 0.5\%$ at steady state from no load to full load
- Provides fast recovery from transient load changes

EQUIPMENT FINISH

- All electroplated hardware
- Anticorrosive paint protection
- High gloss polyurethane paint for durability and scuff resistance

QUALITY STANDARDS

- BS4999, BS5000, BS5514, IEC60034, EN61000-6, NEMA MG-1.33, NFPA 110 (with optional equipment)

DOCUMENTATION

- Operation and maintenance manuals provided
- Wiring diagrams included

WARRANTY

- All equipment carries full manufacturer's warranty. Extended warranty terms available.

Materials and specifications are subject to change without notice.

STANDBY 150 - 200 kW
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OPTIONAL EQUIPMENT*

ENCLOSURE

- B Series weather protective enclosure (includes internal silencer system)
 - Single point lift
 - Panel viewing window
 - External emergency stop pushbutton
- Sound attenuated enclosure (includes internal silencer system)

SILENCER SYSTEM — OPEN UNIT

- Level 1 silencer 10 dBA
- Level 2 silencer 25 dBA
- Level 3 silencer 35 dBA
- Mounting kits
- Through-wall installation kits

ENGINE

- Battery heater
- Lube oil drain pump
- High lube oil temperature shutdown
- Lube oil sump heater

CIRCUIT BREAKER

- Auxiliary voltfree contacts
- Shunt trip (100+ amp breakers)

GENERATOR

- Anti-condensation heater
- Permanent magnet generator
- AREP excitation system
- Generator upgrade 1 size

CONTROL SYSTEM

- No control system
- 4001 Autostart control panel
- 4001E Autostart control panel
- Access 4000 digital control panel

MOUNTING ACCESSORIES

- Seismic (Zone 4) vibration isolators

FUEL SYSTEM

- Single-walled metal fuel tank
- UL listed closed top-diked skid-mounted fuel tank base (12/24-hour capacity) with fuel alarm (low level/leak detected)
- Critical high fuel alarm
- Low fuel alarm

COOLING SYSTEM

- Coolant heater
- Low coolant temperature alarm
- Low coolant level shutdown
- Radiator transition flange

REMOTE ANNUNCIATORS

- 8- and 16-channel remote annunciator panel (supplied loose)
- Remote annunciator upgrade normal/run control switch
- Remote annunciator upgrade lockdown emergency stop button

MISCELLANEOUS ACCESSORIES

- Toolkit
- Additional operator's manual pack
- Special enclosure color
- UL certification
- CSA certification
- French or Spanish language labels

EXTENDED WARRANTY

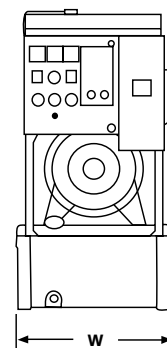
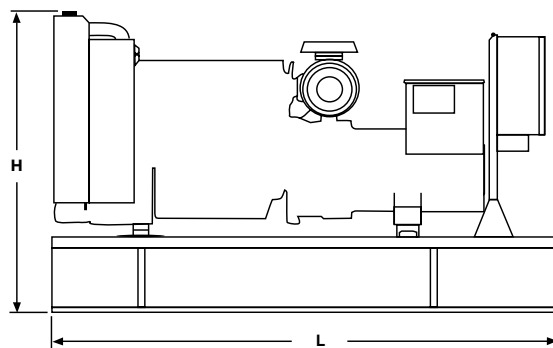
- 36 months
 - 48 months
 - 60 months
- (See warranty policy for details of coverage)

TESTING

- Factory witness test (restricted to 6 hours — full load, 1.0 pf)

*Some options may not be available on all models. Not all options are listed.

GENERATOR SET DIMENSIONS AND WEIGHTS



NOTE: General configuration not to be used for installation. See specific dimensional drawings for detail.

**Includes oil and coolant

Model	Length in (mm)	Width in (mm)	Height in (mm)	Weight lbs (kg)**
D150P6	117 (2972)	39.5 (1003)	67.6 (1718)	4115 (1867)
D200P4	117 (2972)	39.5 (1003)	67.6 (1718)	4423 (2007)

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STANDBY 150 - 200 kW
PRIME 135 - 180 kW
60 Hz

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SPECIFICATIONS



GENERATOR

Voltage Regulation $\pm 0.5\%$ at steady state from
no load to full load
Frequency $\pm 0.25\%$ for constant load,
no load to full load
Waveform Distortion THD < 4%, at no load
Radio Interference Compliance with EN61000-6
Telephone Interference TIF < 50, THF < 2%
Overspeed Limit 2250 rpm
Insulation Class H
Temperature Rise Within Class H limits
Available Voltages 277/480, 266/460, 120/240,
127/220, 120/208, 347/600
Deration Consult factory for available outputs
Ratings At 86° F (30° C), 500 ft. (152.4 m),
60% humidity, 0.8 pf



ENGINE

Manufacturer Perkins
Type 4-Cycle
Cylinder Configuration In-line 6
Displacement — cu in (L) 531 (8.7)
Bore — in (mm) 4.59 (116.6)
Stroke — in (mm) 5.35 (135.9)
Governor
Type Electronic
Class A1
Piston Speed — ft/sec (m/sec) 26.9 (8.2)
Engine speed — rpm 1800
Air Cleaner Type Dry, replaceable paper
element type with restriction indicator

D150P6, D200P4 — 1306E87TA300

Compression Ratio 16.9:1
Max Power at Rated rpm — hp (kW)
Standby 325 (242)
Prime 295 (220)
BMEP — psi (kPa)
Standby 269 (1855)
Prime 245 (1686)
Regenerative Power — kW 28.6
Aspiration Turbocharged, AA Charge Cooled



CONTROL PANEL

NEMA 1 steel enclosure with lockable hinged door
Vibration isolated mounted Autostart control panel
Single location customer connector point
Electrical stub-up area directly below control panel

RATING DEFINITIONS

Standby — Applicable for supplying continuous electrical power (at variable load) in the event of a utility power failure. No overload is permitted on these ratings. The generator is peak rated (as defined in ISO8528-3).

Prime — Applicable for supplying continuous electrical power (at variable load) in lieu of commercially purchased power. There is no limitation to the annual hours of operation and the generator set can supply 10 percent overload power for 1 hour in 12 hours.

Consult your Olympian representative for more information.

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STANDBY 150 kW
PRIME 135 kW
60 Hz

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D150P6 (3-phase)

Materials and specifications are subject to change without notice.

Generator Set Technical Data — 1800 rpm/60 Hz		Standby	Prime
Power Rating	kW (kVA)	150 (188)	135 (169)
Lubricating System Type: Full Pressure Oil Filter: Spin-On, Full Flow Oil Cooler: Watercooled Oil Type Required: API CF-4 Total Oil Capacity Oil Pan	U.S. gal (L) U.S. gal (L)	7.5 (28.3) 6.0 (22.7)	7.5 (28.3) 6.0 (22.7)
Fuel System Generator Set Fuel Consumption 100% Load 75% Load 50% Load	g/hr (L/hr) g/hr (L/hr) g/hr (L/hr)	11.2 (42.4) 8.6 (82.7) 6.4 (24.3)	10.1 (38.3) 7.9 (30.0) 6.0 (22.9)
Engine Electrical System Voltage/Ground: 24/Negative Battery Charging Generator Ampere Rating	amps	45	45
Cooling System Water Pump Type: Centrifugal Radiator System Capacity Incl. Engine Maximum Coolant Static Head Coolant Flow Rate Minimum Temperature to Engine Temperature Rise Across Engine Heat Rejected to Coolant at Rated Power Total Heat Radiated to Room at Rated Power Radiator Fan Load	U.S. gal (L) ft H ₂ O (m H ₂ O) U.S. gal/hr (L/hr) °F (°C) °F (°C) Btu/min (kW) Btu/min (kW) hp (kW)	9.8 (37.2) 51.0 (15.5) 5559.8 (21 060) 174 (79) 9 (5.0) 4784 (84) 2561 (45) 15 (11.2)	9.8 (37.2) 51.0 (15.5) 5559.8 (21 060) 174 (79) 9 (5.0) 4383 (77) 2320 (41) 15 (11.2)
Air Requirements Combustion Air Flow Maximum Air Cleaner Restriction Radiator Cooling Air (zero restriction) Generator Cooling Air Allowable Air Flow Restriction (After radiator) Cooling Airflow (@ rated speed) Rate with restriction	cfm (m ³ /min) in H ₂ O (kPa) cfm (m ³ /min) cfm (m ³ /min) in H ₂ O (kPa) cfm (m ³ /min)	713 (20.2) 25 (6.2) 18,220 (516) 933 (26.4) 0.48 (0.120) 14,618 (414)	N/A N/A 18,220 (516) 933 (26.4) 0.48 (0.120) 14,618 (414)
Exhaust System Maximum Allowable Backpressure Exhaust Flow at Rated kW Exhaust Temperature at Rated kW — Dry Exhaust	in Hg (kPa) cfm (m ³ /min) °F (°C)	3.2 (10.7) 1809 (51.3) 891 (477)	3.2 (10.7) N/A N/A
Generator Set Noise Rating* (Without Attenuation) at 3 ft (1 m)	dB(A)	97	97

Generator Technical Data		277/480V	266/460V	127/220V	120/240V 120/208V	347/600V
Motor Starting Capability: (kVA) (30% Voltage Dip)						
	Self Excited	420	391	363	330	N/A
	PM Excited**	548	511	476	433	548
	AREP Excited	548	511	476	433	548
Full Load Efficiencies:	Standby Prime	92.9 93.1	92.9 93.0	92.8 93.0	92.4 92.7	92.9 93.0
Reactances (per unit):	X _d X' _d X'' _d X _q X'' _q X ₂ X ₀	2.91 0.10 0.058 1.74 0.069 0.063 0.005	3.16 0.11 0.064 1.90 0.075 0.069 0.005	3.46 0.12 0.070 2.08 0.082 0.075 0.006	3.87 0.13 0.078 2.32 0.092 0.084 0.007	2.91 0.10 0.058 1.74 0.069 0.063 0.005
Time Constants:		t' _d 100 ms	t'' _d 10 ms	t' _{do} 2966 ms	t _a 15 ms	

* dB(A) levels are for guidance only
 ** With PMG Excited Option AVR12

STANDBY 150 kW
PRIME 135 kW
60 Hz

OLYMPIAN™

D200P4 (3-phase)

Materials and specifications are subject to change without notice.

Generator Set Technical Data — 1800 rpm/60 Hz		Standby	Prime
Power Rating	kW (kVA)	200 (250)	180 (225)
Lubricating System Type: Full Pressure Oil Filter: Spin-On, Full Flow Oil Cooler: Watercooled Oil Type Required: API CF-4 Total Oil Capacity Oil Pan	U.S. gal (L) U.S. gal (L)	7.5 (28.3) 6.0 (22.7)	7.5 (28.3) 6.0 (22.7)
Fuel System Generator Set Fuel Consumption 100% Load 75% Load 50% Load	g/hr (L/hr) g/hr (L/hr) g/hr (L/hr)	16.18 (61.26) 12.3 (46.4) 8.9 (33.6)	14.66 (55.5) 11.1 (41.2) 8.06 (30.5)
Engine Electrical System Voltage/Ground: 24/Negative Battery Charging Generator Ampere Rating	amps	45	45
Cooling System Water Pump Type: Centrifugal Radiator System Capacity Incl. Engine Maximum Coolant Static Head Coolant Flow Rate Minimum Temperature to Engine Temperature Rise Across Engine Heat Rejected to Coolant at Rated Power Total Heat Radiated to Room at Rated Power Radiator Fan Load	U.S. gal (L) ft H ₂ O (m H ₂ O) U.S. gal/hr (L/hr) °F (°C) °F (°C) Btu/min (kW) Btu/min (kW) hp (kW)	9.8 (37.2) 51.0 (15.5) 5559.8 (21 060) 174 (79) 9 (5.0) 6216 (110) 2561 (45) 20.7 (15.5)	9.8 (37.2) 51.0 (15.5) 5559.8 (21 060) 174 (79) 9 (5.0) N/A N/A 20.7 (15.5)
Air Requirements Combustion Air Flow Maximum Air Cleaner Restriction Radiator Cooling Air (zero restriction) Generator Cooling Air Allowable Air Flow Restriction (After radiator) Cooling Airflow (@ rated speed) Rate with restriction	cfm (m ³ /min) in H ₂ O (kPa) cfm (m ³ /min) cfm (m ³ /min) in H ₂ O (kPa) cfm (m ³ /min)	713 (20.2) 25 (6.2) 18,220 (516) 1081 (30.6) 0.48 (0.120) 14,620 (414)	N/A N/A 18,220 (516) 1081 (30.6) 0.48 (0.120) 14,620 (414)
Exhaust System Maximum Allowable Backpressure Exhaust Flow at Rated kW Exhaust Temperature at Rated kW — Dry Exhaust	in Hg (kPa) cfm (m ³ /min) °F (°C)	3.2 (10.7) 1811 (51.3) 891 (477)	3.2 (10.7) N/A N/A
Generator Set Noise Rating* (Without Attenuation) at 3 ft (1 m)	dB(A)	97	97

Generator Technical Data		277/480V	266/460V	127/220V	120/240V 120/208V	347/600V
Motor Starting Capability: (kVA) (30% Voltage Dip)	Self Excited	454	422	392	355	N/A
	PM Excited**	543	506	469	425	543
	AREP Excited	543	506	469	425	543
Full Load Efficiencies:	Standby Prime	92.7 92.9	92.7 93.0	92.6 92.8	92.2 92.5	92.7 92.9
Reactances (per unit): Reactances shown are applicable to the standby rating.	X _d	3.13	3.41	3.73	4.17	3.13
	X' _d	0.15	0.17	0.18	0.20	0.15
	X'' _d	0.092	0.101	0.110	0.123	0.092
	X _q	1.88	2.05	2.24	2.50	1.88
	X'' _q	0.114	0.124	0.136	0.152	0.114
	X ₂	0.103	0.112	0.122	0.137	0.103
	X ₀	0.005	0.006	0.006	0.007	0.005
Time Constants:		t' _d 100 ms	t'' _d 10 ms	t' _{do} 2042 ms	t _a 15 ms	

* dB(A) levels are for guidance only
 ** With PMG Excited Option AVR12