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FEATURES

GENERATOR SET

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

ENGINE

- Governor, electronic (D125P1, D125P2, D150P1)
- Governor, mechanical (D90P1, D100P1, D100P4)
- Electrical system, 12 VDC
- Cartridge type filters
- Battery(ies), rack and cables
- Coolant and lube drains piped to edge of base

GENERATOR

- Insulation system, class H
- Drip proof generator air intake (NEMA 2, IP23)
- Electrical design in accordance with BS5000 Part 99, EN61000-6, IEC60034-1, NEMA MG-1.33

CONTROL SYSTEM

- 2001 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
- Flexible fuel lines to base with NPT connections
- Stub-up pipe ready for connection to silencer pipework

STANDBY 90-150 kW PRIME 82.4-114 kW

60 Hz

Model	Standby kW (kVA)	Prime kW (kVA)
D90P1**	90 (112.5)	82.4 (103)
D100P1**	100 (125)	90 (112.5)
D100P4*	100 (125)	90 (112.5)
D125P1**	125 (156.3)	114 (142.5)
D125P2***	125 (156.3)	114 (142.5)
D150P1**	150 (188)	N/A

- * Tier II EPA Approved, Emissions Certified
- ** 50 Hz option is available. Consult factory for more details.
- *** Meets regulations under the transition provisions in paragraph 102 of the EPA regulations with the following statement:

THIS ENGINE IS CERTIFIED TO THE CURRENT MODEL YEAR REQUIREMENTS UNDER THE PROVISION OF 40CFR89.102

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, EN61000-6, IEC60034, 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.

Olympian Generator Service Manual 128 Kw

Daniela Niemeyer



Olympian Generator Service Manual 128 Kw:

Boating ,1976-01 **Boating** ,1977-01 *Electronics & Wireless World* ,1985 **QST.** ,1973 Operator,
Organizational, Direct and General Support, and Depot Maintenance Manual ,1967 *Service Manual* Caterpillar
Inc.Peoria, Ill.,1985 *Small AC Generator Service Volume 2* Penton Staff,2000-05-24 Maintenance and repair procedures
for small generators under 13 kw and driven by air cooled engines produced from 1990 1999 **MEP 805B / 815B**
Generator Set Repair Parts Manual TM 9-6115-671-24P Brian Greul,2021-05-22 The MEP series of Military Generators
are rugged durable and incorporate proven diesel engine technology This book is the generator set repair parts manual and
also incorporates general support instructions It is being republished to assist enthusiasts restorers and aftermarket owners
who use or wish to use these generators outside of military use *Troubleshooting and Repair Manual, Generator Sets*
Cummins Engine Company,1987 Department of the Army Technical Manual United States. Department of the Army,1967
Operation & Maintenance Manual Caterpillar Inc.Peoria, Ill.,1992 GS Maintenance Manual ,1988

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voiceover we now begin a whole new area of circuit analysis called sinusoidal steady state analysis you can also call it ac analysis ac stands for alternating current it means it is a voltage or a current that where the signal actually changes sign it is positive sometimes it is negative sometimes

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about transcript the ratio of a sinusoidal voltage to a sinusoidal current is called impedance this is a generalization of ohm s law for resistors we derive the impedance of a resistor inductor and capacitor the inductor and capacitor impedance includes a term for frequency so the impedance of these components depends on frequency

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circuit analysis is the process of finding all the currents and voltages in a network of connected components we look at the basic elements used to build circuits and find out what happens when elements are connected together into a circuit

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ω represents the frequency of a sine wave when we write it this way $\sin \omega t$ if $\omega = 1$ the sin completes one cycle in 2π seconds if $\omega = 2\pi$ the sin completes one cycle sooner every 1 second for $f = 1$ if $\omega = 2\pi f$ the sin completes one cycle even faster every $1/f$ seconds or equivalently sin completes f cycles in 1 second

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