

Commercial generator sets

Kubota PDG mobile & stationary

Rugged. Reliable. Powerful.

Powered by reliable Kubota engines with PDG Industrial alternators

INCLUDED

- main line circuit breaker
- starter battery
- extreme environment 50/50 antifreeze/coolant
- heavy duty diesel engine oil
- remote oil drain valve with hose
- residential grade aluminized muffler
- steel skid with anti-vibration motor mounts
- low oil pressure shutdown
- high coolant temperature shutdown



Acoustic level I & Critical level II



Weather enclosure



PDG alternator

MODELS & RATINGS – single phase 120/240V 1.0 pf

Nominal Power Rating	25 kW	30 kW	40 kW
Engine	V3300	V3300BG	V3800TF
Fuel	indirect fuel injection	indirect fuel injection	indirect fuel injection
Synchronous Speed	1800 rpm	1800 rpm	1800 rpm
Generator Head – frame, rating	184F 25kW	184G 30kW	184J 40kW
Weight (without enclosure)	900 lbs	1210 lbs	
Dimensions(without enclosure)	57"x 27"x 40"	57"x 27"x 40"	61"x27"x40"
Continuous/Prime Rating	25.0 kW 104 A	28.6 kW 119 A	42.5 kW 177 A
Standby Rating	29.0 kW 121 A	30.0 kW 125 A	45.0 kW 187 A
Fuel Consump. (1/2L, 3/4L, FL)	0.94/1.41/1.88 gph	1.13/1.69/2.26 gph	1.42/2.13/2.84 gph

Designed for use in a maximum ambient temperature of 104°F/40°C and altitudes less than 3280 ft (1000 m) above sea level. Contact the factory for deratings beyond these limits.

ALTERNATOR

PDG Industrial alternators are designed and built to withstand extreme conditions. Windings are double dipped for extreme environment durability and designed to provide the smooth, clean power needed for sensitive electronics as well as the raw power required for heavy motor applications. Includes excitation boost system (EBS) for enhanced motor starting capability. Tight $\pm 1.0\%$ Voltage regulation (max.) in static conditions. Rated for 10% overload for 1 hour in every 12 hours of operation.

- 1800rpm 4-pole
- single bearing
- conforms to IEC 34-1/34-2, BS 4999/5000
- meets IS: 4722-2001.
- enclosure rating is IP 23
- Class H insulation 125°C
- satisfies IEC 34-5/IS: 4691/DIN VDE 0530-5
- dynamically balanced
- brushless self-excitation
- screen protected
- self-regulated through an AS440 AVR.
- 2/3 pitch copper windings
- 1 phase 60Hz 120/240V 1.0 pf
- 3 Phase 60Hz 120/208V, 120/240V, 277/480V
- also available in 1500rpm for 50Hz voltages outside North America

EMISSIONS COMPLIANCE

- EPA Standby T4-INT IIIA
- EPA Mobile T4-INT IIIA

PAINT FINISH

- power coat standard
- PDG Mesa Tan - standard no charge
- custom colors

ENCLOSURES

- Basic weather enclosure has sound levels of 79-83 dbA, 74"x37"x56.75" adds 110 lbs
- Acoustic enclosure level I has sound levels of 70-72 dbA, 88"x37"x56.75" adds 138 lbs
- Critical silence enclosure level II has sound levels of 63-66 dbA, 88"x37"x56.75" adds 148 lbs
- Aluminum enclosure construction on steel skid
- Hinged access doors standard, lift-off access panels optional
- Stainless steel hardware and hinges on exterior of enclosures is standard
- Lift-off access panels available in lieu of hinged doors

Specifications subject to change without notice.

STANDARD FEATURES

- brushless alternator
- industry standard Stamford design
- manufactured exclusively for PDG
- fully adjustable automatic voltage regulation
- manual controls standard
- hour meter
- automatic safety shutdowns:
- low oil pressure
- high water temperature

FUEL TANKS

Customer supplied, or with:

- 25 gal sub-base
- 50 gal sub-base
- 60 gal sub-base
- 110 gal sub-base
- 50 gal stainless steel sub-base
- 110 gal stainless steel sub-base

OTHER OPTIONS

- 2-wire auto start DSE3110 controller on generator or remotely mounted
- coolant Heater with timer or thermostat
- instrument display panel
- upgraded controls with remote panel
- battery maintainer/trickle charger
- 3 phase upgrade

WARRANTY

Kubota engine:

- 2 yr/2,000 hr standby or prime use

PDG alternator & balance of genset:

- 5 yr/2,500 hr standby, yrs 4&5 prorated
- 3 yr/unlimited hr prime, yrs 2&3 prorated
- warranty must be activated by registering

