

GENERATOR GEPX 150



OUTPUT RATINGS 3 PHASE

Generating Set	50 Hz			
	Prime		Standby	
	kVA	kW	kVA	kW
GEPX150*	135	108	150	120

GEP150 (3-Phase)



50 HZ

STANDBY 150 kVA / 120 kW

PRIME 135 kVA / 108 kW

60 HZ

STANDBY 165 kVA / 132 kW

PRIME 150 kVA / 120 kW

FEATURES

GENERATOR SET

- Complete system designed and built at ISO9001 certified facility
- Factory tested to design specifications at full load conditions
- Fully engineered with a range of options and accessories

ENGINE

- Industrial water cooled diesel engine
- Governor, electronic
- Electrical system, 24 VDC
- Cartridge type fuel and oil filters
- Air filter
- Battery(s), rack and cables

GENERATOR

- Self excited brushless generator
- Insulation system, class H
- Drip proof generator air intake (IP23)
- Electrical design in accordance with BS5000 Part 99, IEC34-1, VDE0530, UTE51100

CONTROL SYSTEM

- 2001 keystart control panel
- Vibration isolated sheet steel enclosure with hinged lockable door

MOUNTING ARRANGEMENT

- Heavy-duty fabricated steel base with lifting points
- Anti-vibration pads to ensure vibration isolation
- Engine coupled to generator with flexible disc coupling
- Baseframe incorporates integral plastic

fuel tank, 8 hours running capacity

EXHAUST SYSTEM

- Heavy duty industrial capacity exhaust silencer (approximately 10 dB reduction) supplied loose

COOLING SYSTEM

- Standard ambient temperatures up to 50° C (122° F)
- Fan, fan drive and charging alternator fully guarded
- Antifreeze protection coolant

CIRCUIT BREAKER

- 3-pole miniature circuit breaker (mcb) < 160 amps and 3-pole molded case circuit breaker (mccb) >= 160 amps
- Vibration isolated sheet steel enclosure with removable cover plate
- Outgoing cable stub-up area directly below circuit breaker

AUTOMATIC VOLTAGE REGULATOR

- Voltage regulation ±0.5 %
- 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, IEC34, VDE0530

DOCUMENTATION

- Operation and maintenance manuals provided
- Wiring diagrams included

WARRANTY

- 12 months from date of initial start-up or 18 months from shipping, whichever occurs first

SPECIFICATIONS



GENERATOR

Make Olympian
 Model LL3014F
 Type Self-excited, brushless
 Voltage regulation ±0.5% at steady state from
 from no load to full load
 Frequency TBA% for constant load from
 no load to full load
 Waveform distortion THD <4%
 Radio interference Compliance with BS800 and
 VDE Class G&N
 Telephone Interference TIF <50, THF <2%
 Overspeed limit 2250 rpm
 Insulation Class H
 Temperature rise Within Class H limits
 Deration Consult factory for available outputs

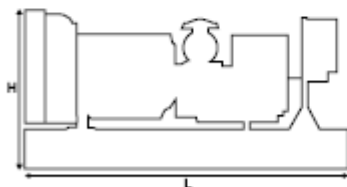


ENGINE

Manufacturer Perkins
 Model 1006TAG
 Type 4-Cycle
 Aspiration Turbocharged AA Charge Cooled
 Cylinder configuration In-line 6
 Displacement — L (cu in) 5.99 (366)
 Bore/stroke — mm (in) 100/127 (3.94/5.0)
 Compression ratio 17.0:1
 Engine speed — rpm
 50 Hz 1500
 60 Hz 1800

Piston speed — m/sec (ft/sec)
 50 Hz 6.35 (20.8)
 60 Hz 7.62 (25.0)
 Maximum power at rated rpm — kW (hp)
 Standby
 50 Hz 146 (196)
 60 Hz 164 (219)
 Prime
 50 Hz 135 (181)
 60 Hz 150 (201)
 BMEP — kPa (psi)
 Standby
 50 Hz 1964 (285)
 60 Hz 1836 (266)
 Prime
 50 Hz 1767 (256)
 60 Hz 1610 (234)
 Regenerative power — kW (hp)
 50 Hz 12.6 (16.9)
 60 Hz 16.2 (21.7)
 Motor starting capability — kW (hp)
 50 Hz 108 (145)
 60 Hz 120 (161)
 Governor
 Type Electronic
 Class ISO 8528 G3

GENERATOR SET DIMENSIONS AND WEIGHTS



Model	Length mm (in)	Width mm (in)	Height mm (in)	Weight* kg (lb)
GEP150	2700 (106.3)	900 (35.4)	1460 (57.5)	1417 (3125)

*Includes oil and coolant

Note: General configuration not to be used for installation. See general dimension drawings for detail.

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