

JUBILEE GENERATORS

Power solutions from 10 - 3000 kVA



Kubota Powered Range 10 - 33 kVA

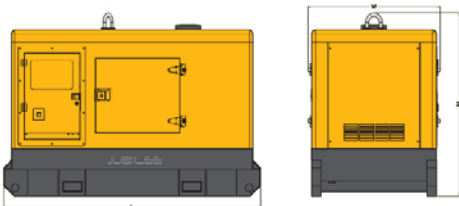
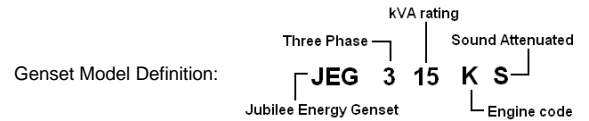


Single Phase Specifications

Genset Model	Duty	50 Hz		Engine	Fuel Cons. (L/Hr)	Tank Capacity	Cyl.	Gov.	Alternator	Dimensions (mm)			Weight (kg)
		kVA	kW							L	W	H	
JEG1-10KS	Prime	10	8	D1105-BG	2.3	30	3	Mech	BCI164D	1680	975	1335	680
JEG1-10KS	Standby	11	9	D1105-BG	2.5	30	3	Mech	BCI164D	1680	975	1335	680
JEG1-15KS	Prime	15	12	D1703-BG	3.3	30	3	Mech	BCI184E	1680	975	1335	810
JEG1-15KS	Standby	17	13	D1703-BG	3.6	30	3	Mech	BCI184E	1680	975	1335	810
JEG1-20KS	Prime	20	16	V2203-BG	4.5	40	4	Mech	BCI184G	1992	1025	1358	945
JEG1-20KS	Standby	22	18	V2203-BG	5.0	40	4	Mech	BCI184G	1992	1025	1358	945
JEG1-30KS	Prime	30	24	V3300-BG	6.0	55	4	Mech	BCI184J	2262	1055	1388	990
JEG1-30KS	Standby	33	26	V3300-BG	6.6	55	4	Mech	BCI184J	2262	1055	1388	990

Three Phase Specifications

Genset Model	Duty	50 Hz		Engine	Fuel Cons. (L/Hr)	Tank Capacity	Cyl.	Gov.	Alternator	Dimensions (mm)			Weight (kg)
		kVA	kW							L	W	H	
JEG3-10KS	Prime	10	8	D1105-BG	2.3	30	3	Mech	BCI164B	1680	975	1335	680
JEG3-10KS	Standby	11	9	D1105-BG	2.5	30	3	Mech	BCI164B	1680	975	1335	680
JEG3-15KS	Prime	15	12	D1703-BG	3.3	30	3	Mech	BCI164D	1680	975	1335	810
JEG3-15KS	Standby	17	13	D1703-BG	3.6	30	3	Mech	BCI164D	1680	975	1335	810
JEG3-16KS	Prime	16	12.8	V1903-BG	3.2	40	4	Mech	BCI164D	1992	1025	1358	810
JEG3-16KS	Standby	18	14	V1903-BG	3.5	40	4	Mech	BCI164D	1992	1025	1358	810
JEG3-20KS	Prime	20	16	V2203-BG	4.5	40	4	Mech	BCI184E	1992	1025	1358	945
JEG3-20KS	Standby	22	18	V2203-BG	5.0	40	4	Mech	BCI184E	1992	1025	1358	945
JEG3-30KS	Prime	30	24	V3300-BG	6.0	55	4	Mech	BCI184G	2262	1055	1388	990
JEG3-30KS	Standby	33	26	V3300-BG	6.6	55	4	Mech	BCI184G	2262	1055	1388	990



Prime Power (ISO 8528) ratings are suitable for continuous electrical power (at variable load) in lieu of mains power. There are no limitations to the annual hours of operation. Average 24 hr usage should not exceed 80% of the prime power. Models can supply 10% overload power for 1 hr in every 12 hr period.

Standby Power (ISO 3046) ratings are for the supply of emergency power (at variable load) in lieu of mains power, up to a maximum of 500 hours per year. No overload is permitted.

Output ratings are typical for sets operating at 380-415V (3 phase). Ratings at 0.8 pf, 25°C ambient, 30% humidity, 175m above sea level. All data in accordance with BS4999, BS5000, BS5514, 1EC 34, VDE0530, NEMAMG-1.22

JEG-KS Range

OUTPUT RATINGS (50 Hz)

Single Phase Voltages

240 230 220

Three Phase Voltages

415 400 380
240 230 220

ENGINE

Kubota diesel engine.

Governor

Compliant with BS.5514 Class A1. Mechanical governing on all engines.

Electrical System

12V system with battery charging alternator, axial type starter motor, high capacity maintenance free lead acid starting batteries, battery rack mounted on the generator set baseframe and heavy duty interconnecting cables with terminations.

Engine Filtration System

Sealed paper mesh type dry air filters. Cartridge type fuel filters and full flow lube oil filters. All filters have replaceable elements.

ALTERNATOR

Stamford alternators have been carefully selected to match the overload performance of the engine and incorporate the following: Screen protected and drip proof, self exciting, self regulating brushless alternator with fully interconnected damper windings, IC06 cooling system and sealed for life bearings.

Insulation System

The insulation system is Class H. All windings are impregnated in either triple dip thermo-setting moisture, oil and acid resisting polyester or vacuum impregnated with a special polyester resin. Heavy coat of anti-tracking varnish for additional protection against moisture or condensation.

Electrical Characteristics

Electrical design in accordance with BS.5000 Part 99, IEC34-1, VDE0530, UTE5100, NEMA MG-122, CEMA, CSA 22.2 and AS1359.

Automatic Voltage Regulator

The fully sealed automatic voltage regulator maintains the voltage within the limits of $\pm 0.5\%$ ($\pm 1.0\%$ on HC15 frame) from no load to full load including cold to hot variations at any power factor between 0.8 lagging and unity and inclusive of a speed variation of 4.0%. Nominal adjustment is by means of a trimmer incorporated in the AVR.

Radio Interference

Suppression is in line with the provisions of BSEN 50081 and VDE Class G.

CONTROL SYSTEM

Control panel of fabricated steel construction with a hinged lockable door. The control panel is isolated from vibration and comprises of the following instrumentation and controls: Oil pressure gauge, water temperature, hours counter. An auto start control module and emergency stop button are fitted as standard.

Shutdown Protection Devices with Indicators for:

High coolant temperature and low oil pressure.

FUEL SYSTEM

Fuel tank is standard on the entire range.

COOLING RADIATOR

Radiator and cooling fan complete with protection guards, designed to cool the engine at specified output, in air-on temperatures up to 45°C (113°F). Coolant drain valve fitted as standard.

MOUNTING ARRANGEMENT

Baseframe

The complete generator set is mounted as a whole on a heavy duty fabricated, welded steel baseframe. The baseframe incorporates specially designed lifting eyes for sling operation. Fork tine slots are included as standard.

Coupling

The engine and alternator are directly coupled by means of an SAE flange so that there is no possibility of misalignment after prolonged use. The engine flywheel is flexibly coupled to the alternator and a full torsional analysis has been carried out to guarantee no harmful vibration will occur in the assembly.

Anti-Vibration Mounts

Anti-vibration mounts are supplied fitted between the engine/alternator on all soundproof sets.

Exhaust System

Heavy duty industrial type silencer with flexible piping is included as standard. These are supplied fitted and piped externally. Rain caps are included on all vertical discharge sets.

GENERAL ARRANGEMENT

The sets are Acoustic as standard. Sound attenuation is 75 dB(A) @ 7m.

DOCUMENTATION

A full set of operation and maintenance manuals and circuit wiring diagrams are supplied with each generating set.

FACTORY TESTS

A load test is performed before despatch. All protective devices, control functions are simulated and the generator and its systems checked, proved and then passed for despatch.

EQUIPMENT FINISH

Certain options of colour available. All canopy sets are powder coated.

QUALITY STANDARDS

The equipment meets the following standards: BS.4999, BS.5000, BS.5514, IEC 34, VDE0530, NEMA MG-122.

PRODUCT ENDORSEMENT

All equipment is guaranteed for a period of 12 months from date of commissioning or 18 months from shipping whichever occurs first. Where equipment is supplied by an authorised Jubilee Energy Distributor or Dealer, the 12 months guarantee period will commence from date of ex works shipment, whichever occur first.

Please see Jubilee's Warranty Statement for a full specification of terms. Equipment must only be used in accordance with recommended operating practices and subject to any specified load limitations.

