

JUBILEE GENERATORS

Power solutions from 10 - 3000 kVA

1000 SERIES 30 - 149 kVA

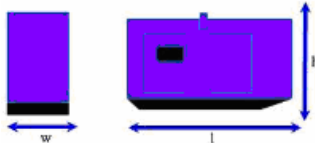
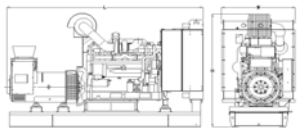


Open Set Specifications

Genset Model	Duty	50 Hz		Engine	Fuel Cons. (L/Hr)	Tank Capacity	Cyl.	Gov.	Alternator	Dimensions (mm)			Weight (kg)
		kVA	kW							L	W	H	
JEG30P	Prime	30	24	1004G	7.1	60 L	4	Mech	BCI184G	1650	720	1330	755
JEG30P	Standby	33	26	1004G	7.9	60 L	4	Mech	BCI184G	1650	720	1330	755
JEG40P	Prime	40	32	1004G	11.3	60 L	4	Mech	BCI184J	1780	720	1330	835
JEG40P	Standby	44	35	1004G	12.4	60 L	4	Mech	BCI184J	1780	720	1330	835
JEG60P	Prime	60	48	1004TG	14.5	60 L	4	Mech	UCI224E	1850	750	1330	867
JEG60P	Standby	66	53	1004TG	16	60 L	4	Mech	UCI224E	1850	750	1330	867
JEG70P	Prime	70	56	1004TG	17	60 L	4	Mech	UCI224F	1850	750	1330	982
JEG70P	Standby	77	62	1004TG	18.9	60 L	4	Mech	UCI224F	1850	750	1330	982
JEG90P	Prime	90	72	1006TG1A	22	235 L	6	Mech	UCI224G	2150	750	1550	1156
JEG90P	Standby	99	79	1006TG1A	24.6	235 L	6	Mech	UCI224G	2150	750	1550	1156
JEG100P	Prime	100	80	1006TG2A	24.3	235 L	6	Mech	UCI274C	2150	750	1550	1248
JEG100P	Standby	110	88	1006TG2A	27	235 L	6	Mech	UCI274C	2150	750	1550	1248
JEG135P	Prime	135	108	1006TAG	31.5	260 L	6	Elec	UCI274E	2300	850	1550	1385
JEG135P	Standby	149	119	1006TAG	35	260 L	6	Elec	UCI274E	2300	850	1550	1385

Soundproof Set 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	
JEG30PS	Prime	30	24	1004G	7.1	60 L	4	Mech	BCI184G	2500	1000	1511	985
JEG30PS	Standby	33	26	1004G	7.9	60 L	4	Mech	BCI184G	2500	1000	1511	985
JEG40PS	Prime	40	32	1004G	11.3	60 L	4	Mech	BCI184J	2500	1000	1511	1065
JEG40PS	Standby	44	35	1004G	12.4	60 L	4	Mech	BCI184J	2500	1000	1511	1065
JEG60PS	Prime	60	48	1004TG	14.5	60 L	4	Mech	UCI224E	2500	1000	1511	1100
JEG60PS	Standby	66	53	1004TG	16	60 L	4	Mech	UCI224E	2500	1000	1511	1100
JEG70PS	Prime	70	56	1004TG	17	60 L	4	Mech	UCI224F	2500	1000	1511	1215
JEG70PS	Standby	77	62	1004TG	18.9	60 L	4	Mech	UCI224F	2500	1000	1511	1215
JEG90PS	Prime	90	72	1006TG1A	22	235 L	6	Mech	UCI224G	3000	1100	1785	1475
JEG90PS	Standby	99	79	1006TG1A	24.6	235 L	6	Mech	UCI224G	3000	1100	1785	1475
JEG100PS	Prime	100	80	1006TG2A	24.3	235 L	6	Mech	UCI274C	3000	1100	1785	1570
JEG100PS	Standby	110	88	1006TG2A	27	235 L	6	Mech	UCI274C	3000	1100	1785	1570
JEG135PS	Prime	135	108	1006TAG	31.5	260 L	6	Elec	UCI274E	3100	1150	1785	1685
JEG135PS	Standby	149	119	1006TAG	35	260 L	6	Elec	UCI274E	3100	1150	1785	1685



Genset Model Definition: **JEG 100 P S**
 Jubilee Energy Genset | Soundproof Genset | Engine code



JUBILEE GENERATORS

**1000 SERIES
STAMFORD**



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-P/PS Range

OUTPUT RATINGS

The following 3 phase voltages are available:-

50 Hz	415	400	380
	240	230	220

ENGINE

1000 Series diesel engine.

Governor

Compliant with BS.5514 Class A1. Mechanical governing on all engines except the electronically governed JEG135PS.

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 HCI5 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.

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COOLING RADIATOR

Radiator and cooling fan complete with protection guards, designed to cool the engine at specified output, in air-on temperatures up to 50°C (122°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 designed for internal (Open) or external (Soundproof) use. Standard attenuation of 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 tested 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.

Authorised dealer:

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