



JOHN DEERE

## RANGE OF DIESEL GENERATORS

**XENIX** GENERATOR SETS ARE ENSURING MANY YEARS OF RELIABLE AND TROUBLE-FREE SERVICE AND USED WORLDWIDE FOR RESIDENTIAL, COMMERCIAL AND INDUSTRIAL APPLICATIONS, EITHER AS PRIME POWER OR STANDBY ELECTRICAL SOURCE



### GENERAL SPECIFICATION

#### XENIX GENERATORS

are available with either manual or automatic control and range of option. Equipment can also be custom built to individual specifications.

#### ARRANGEMENT

The engine and alternator are close coupled, mounted on robust steel fabricated baseframe. The alternator is flange mounted to the engine flywheel housing, forming a rigid arrangement allowing precision alignment to be maintained.

#### ENGINE

Water cooled, four stroke compression ignition diesel with integral injection, starting system and constant speed governor. Engine instrument panel comprising oil pressure, coolant temperature gauges and battery charging ammeter.

#### ALTERNATOR

brushless revolving field alternator, self regulating drip proof screen protected. Class H insulation through out with class H temperature rise. Electronic voltage regulation automatically maintained better than  $\pm 1.5\%$  no load to full load at any power factor between unity and 0.8 lagging 12 wire reconnectable windings. Minimize radio interface suppression, rapid transient response. Electrical design in accordance with IEC34-1, NEMA MG1-22

#### TESTING

all equipment is test run on full load and overload all control functions are tested. A test certificate can be provided upon request.

#### FUEL TANK

Each set is provide with a fuel tank. Service tank constructed with heavy duty steel sheet for 6 to 8 hours operation. Base mounted or engine mounted, separated remote mount fuel storage tank. Fuel pipework is provided to and from the tank on the engine fuel pump. It incorporates a filter cap, on-off tap, breather, fuel level gauge and drain pulg. Fuel tanks can be filled by means of an optional set mounted hand pump or by and electrically operated pump with automatic high and low level switching.

#### EXHAUST SYSTEMS

Heavy duty industrial exhaust silencer system comprising absorptive type silencer, flexible expansion bellows, all mounting flanges, gasket and full set of antiv vibration mountings (refer to optional sheet.)

#### CONTROL PANEL

Enclosure are made of heavy gauge sheet steel and provide with front access. There can be arranged for either set mounting of floor mounted according to size of customer's requirement.

#### MANUAL START CONTROL PANEL

include: voltmeter, ammeter, frequency meter, hourmeter, volt/amp phase selector switch, current transformers engine on/off start switch, moulded case circuit breaker with overload trip, engine protection with indicating lamps for low oil pressure, high coolant temperature and generator operation.

#### AUTOMATIC MAINS FAILURE CONTROL PANELS

include: complete as manual start and extra additional following: static battery charger, automatic mains failure unit with control for off/manual/reset/automatic/LED test/test, 3 attempt start system, indicators for main supply/standby/running/fail to start/ main failure. Optional extras can be provided as request.

#### ENCLOSURES

Weatherproof, Sound Proof, Super Sound Proof Enclosures are available to individual specifications. Sound Proof Type meets sound level below 65 dB(A)@7 meter or equivalent to LWA 100. Super Sound Proof Type meets sound level 66dB(A) @ 1 meter or equivalent to LWA 95.

#### DOCUMENTATION

One set of operating and maintenance manual for engine and alternator, circuit diagram. Further optional equipment is available to suit most needs (refer to optional extra sheet)



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## POWERED GENERATING SETS 20 - 450 KVA



### RATING DEFINATION

#### Prime Power

All ratings are suitable for continuous electrical power (at variable load) in lieu of the main power network. There is no limitation to the annual hours of operation and all models can supply 10% overload power for 1 hour in 12 hours.

#### Standby Power:

These ratings are application for supplying continuous electrical power (at variable load) in the event of a utility power failure, but no overload is permitted on these ratings.

### STANDARD VOLTAGES:

All 1/3 phase, 2/4 wire, 220 V, 380-415V, 50 Hz, 460-480V, 60 Hz. The above ratings are in compliance with BS 5514, ISO 3046, DIN 6271, ISO 8528

### TECHNICAL DATA DIESEL GENERATING SETS

#### 1500 RPM 50 Hz - 1800 RPM 60 Hz

GENSET MODEL	ENGINE MODEL	50 Hz - 1500 RPM				60 Hz - 1800 RPM			
		PRIME		STANDBY		PRIME		STANDBY	
		KVA	KW	KVA	KW	KVA	KW	KVA	KW
JX20	3029DF128	20	16	22	17.6	25	20	27.5	22
JX25	3029DF128	25	20	27.5	22	30	24	33	26.5
JX30	3029DF128	30	24	33	26.5	35	28	38.5	31
JX40	4039DF008	40	32	44	35	48	38	54	44
JX60	4039TF008	60	48	66	52.8	75	48	82.5	66
JX80	4045TF258	80	64	88	70.4	90	72	99	80
JX100	6068TF258	100	80	110	88	115	90	124	100
JX120	6068TF258	120	96	132	105.6	138	110.4	152	121.5
JX130	6068HF158	130	104	143	115	167	133.5	184	147
JX150	6068HF158	150	120	165	132	180	144	200	160
JX180	6068HF258	180	144	200	160	219	175.5	241	193
JX200	6081HF001	200	160	220	176	235	188	258.5	207
JX250	6081HF001	250	200	275	220	280	224	308	244.5
JX275	6125AF001	275	220	302.5	242	300	240	330	264
JX300	6125HF070	300	240	330	264	350	280	385	308
JX350	6125HF070	350	280	385	308	400	320	440	352
JX375	6125HF070	375	300	412.5	330	450	360	495	396

### DIMENSION AND WEIGHTS

GENSET MODEL	ENGINE MODEL	STANDARD SET			
		W (mm.)	L (mm.)	H (mm.)	WT (kg.)
JX20	3029DF128	1000	2400	1350	925
JX25	3029DF128	1000	2400	1350	1096
JX30	3029DF128	1000	2400	1350	1096
JX40	4039DF008	1000	2400	1350	1205
JX60	4039TF008	1100	2900	1500	1390
JX80	4045TF258	1100	2900	1500	1465
JX100	6068TF258	1100	3300	1650	1940
JX120	6068TF258	1200	3300	1650	2100
JX130	6068HF158	1200	3300	1650	2100
JX150	6068HF158	1300	3700	1650	2525
JX180	6068HF258	1300	3700	1700	2615
JX200	6081HF001	1300	3700	1700	2890
JX250	6081HF001	1300	3700	1700	3480
JX275	6125AF001	1300	3700	1700	3480
JX300	6125HF070	1300	3700	1700	3650
JX350	6125HF070	1300	3700	1700	3650
JX375	6125HF070	1300	3700	1700	3650

Note: The information, state in this leaflet, is to assist users and intended for general guidance only. Specifications can be changed without notice for the purpose of product improvement.