



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 plug. 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 85 dB(A)@1 meter or equivalent to LWA 100. Super Sound Proof Type meets sound level 65dB(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 25 - 1000 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:

Single Phase, 2wire, 220V, or 3 phase, 4wire, 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

GENSET MODEL	ENGINE MODEL	50 Hz - 1500 RPM				Approx,Dimensions,Dry Weight & Fuel Consumption				
		PRIME		STANDBY						
		KVA	KW	KVA	KW	L(mm)	W(mm)	H(mm)	kg	L/h
CCX25	4B3.9-G2	25	20	27	21	1850	930	1260	820	6.7
CCX35	4BT3.9-G2	35	28	38	30	1850	930	1260	855	7
CCX60	4BTA3.9-G2	60	48	66	52	1850	930	1489	1030	7.3
CCX112	6BTA5.9-G2	112	89.5	123	98	2060	820	1546	1345	15.6
CCX125	6BTAA5.9-G2	125	100	137	109	2270	820	1546	1460	17.7
CCX150	6CTA8.3-G2	150	120	167	133.5	2390	930	1642	1875	24.1
CCX206	6CTA8.3-G2	206	164.5	227	181.5	2390	930	1642	1875	24.1
CCX250	NT855-GA	250	200	275	220	2890	1145	1652	2851	34.3
CCX275	NTA855-G1A	275	220	302	241.5	3315	1145	1652	3130	39.2
CCX337	NTA855-G2A	337	269.5	370	296	3315	1145	1652	3210	45.5
CCX375	NTAA855-G7	375	300	412	329.5	3470	1145	1700	3410	51.1
CCX405	NTAA855-G7A	405	324	445	356	3470	1145	1700	3460	53
CCX450	KTA19-G3	450	360	495	396	3620	1345	2120	4260	61.6
CCX500	KTA19-G4	500	400	550	440	3620	1345	2120	4325	70
CCX562	KTAA19-G5	562	449.5	619	495	3720	1538	1962	4756	79.1
CCX587	KTAA19-G6	587	469.5	646	516.5	3720	1538	1962	4756	88.2
CCX625	KTAA19-G6A	625	500	687	549.5	3720	1538	1962	4756	88.2
CCX750	KTA38-G2	750	600	825	660	4490	2060	2405	7800	119
CCX900	KTA38-G2A	900	720	990	792	4540	2060	2405	9000	119
CCX1000	KTA38-G5	1000	800	1100	880	4490	2060	2405	9120	131