



## 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 stell sheet for 6 to 8 hours operation. Base mounted or engine mounted, separated remote mount fuel stroage 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 cooland temperatruue 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 6.9 - 56.2 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, 2 wire, 220V, or 3 phase, 4 wire, 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
YX06	3TNV70	6.9	5.0	7.0	5.5	7.6	6.0	8.4	6.5
YX08	3TNV76	8.4	6.7	9.2	7.3	10	8	11	8.8
YX12	3TNV88	12.6	10	13.5	10.8	15.4	12.3	16.8	13.4
YX17	4TNV88	17.0	13.6	18.7	15.0	20.6	16.4	22.7	18.2
YX20	4TNV94L	20.0	15.6	22.0	17.4	25.5	20.0	28.0	22.0
YX30	4TNV98	33.2	26.5	36.7	29.3	40.0	32.0	44.4	35.5
YX40	4TNV98T	41.2	33.0	45.0	36.0	50.0	40.0	55.0	44.0
YX50	4TNV106	49.2	39.3	54.1	43.3	58.3	46.6	64.1	51.3
YX60	4TNV106T	56.2	45	62.0	49.6	67.2	53.8	74.0	59.2

## DIMENSIONS AND WEIGHTS

GENSET MODEL	STANDARD SET				WEATHERPROOF ENCLOSURE				SOUND PROOF ENCLOSURE			
	W.	L.	H.	WT.	W.	L.	H.	WT.	W.	L.	H.	WT.
YX06	610	1200	850	300	640	1350	900	350	680	1500	1000	380
YX08	610	1200	850	320	640	1350	900	370	680	1500	1000	400
YX12	660	1400	900	400	700	1500	1000	470	750	1600	1150	500
YX17	660	1400	900	450	700	1500	1000	530	750	1600	1150	560
YX20	660	1400	900	470	700	1500	1000	550	750	1600	1150	600
YX30	680	1450	900	500	720	1570	1000	580	790	1700	1150	620
YX40	680	1450	900	500	720	1570	1000	580	790	1700	1150	620
YX50	680	1450	900	500	720	1570	1000	580	790	1700	1150	620
YX60	680	1450	900	500	720	1570	1000	580	790	1700	1150	620

Note : All dimensions are in mm., W. = Wide, L. = Length, H. = High and WT. = Weight in kg.

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.