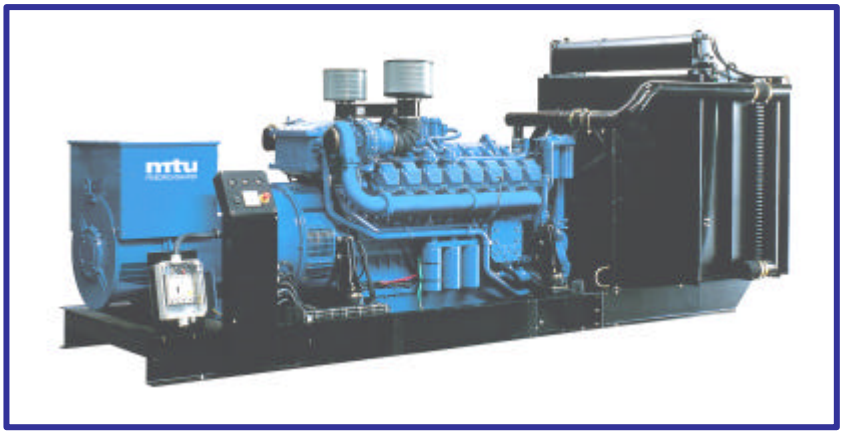
TECHKNOL POWER GENERATION



MTU
Generating Set Range

General Description

This **TPG** range of MTU generating sets has been born out of a new emergence by MTU to provide their already accepted and well-known quality diesel engine with a wider and more global acceptance and a greater variety of applications. **TPG** have put together a comprehensive range of MTU powered product combining the reliability and high performance of the water-cooled diesel range. The outputs available on this range span the key areas in the power generation requirement today on a global scale and **TPG** enhance the MTU quality and reliability with their own professionally finished product.

Engine
Turbo-charged, water-cooled, direct injection MTU diesel engine with complete digital electronic control/governing system as standard. All engines supplied with replaceable elements for oil, fuel and air-filter assemblies. An initial fill of high-quality, multi-grade engine oil is included together with a sump oil drain line fitted with an on/off valve.

Alternator
TPG utilise the modern technology of brushless self-exciting and self-regulating alternators. Typically, the alternators are built in accordance with BS 5000, VDE 0530, IEC 34, and NEMA regulations. We offer alternators to meet the full classification range and we adopt a technically preferred close-coupled arrangement.

Key Start Control Panel
A vibration-isolated sheet-steel panel, mounted on the genset contains the following instrumentation:

- AC ammeters
- AC voltmeter and selector switch
- Frequency meter
- Hours-run counter
- Oil pressure, engine temperature, and battery-charge gauges are offered as standard.
- Deep Sea Electronics start/run/stop key switch module with LED indication for battery charge and indication with shutdown for low oil pressure, high engine temperature and overspeed.
- Fuses, terminations, relays and transformers as appropriate.
- Suitably rated moulded-case triple-pole circuit breaker.

Fuel Tank
All sets are supplied on open frame base frames constructed from welded steel plate / channel.
Free-standing bulk fuel storage tanks can be supplied if required.

Finish & Quality Control
Manufacturers' instruction manuals for both engine and alternator, wiring diagrams, heavy-duty compressed rubber anti-vibration mounts and industrial exhaust silencer(s) with a one-metre flexible connector accompany each generator set on despatch.

All sets are spray-painted with a quality high-gloss finish, using enamel paint with rust inhibitors to a heavy industrial specification. The base plate is finished in black gloss. Consideration will be given to match clients' own colour scheme.

All **TPG** sets are custom-built in our own factory. Prior to despatch each machine is subjected to rigorous and comprehensive factory inspection procedures and tested under full load. Test certificates will be supplied on request.

Typical Optional Extras

- Automatic mains failure control systems
- Synchronising and load sharing
- Remote monitoring systems
- Acoustic/weather-protection enclosures
- ISO containerised sets
- Mobile trailer units
- CE Approval and Certification

QMS ISO 9001 REGISTERED FIRM

POWER TECH

CE

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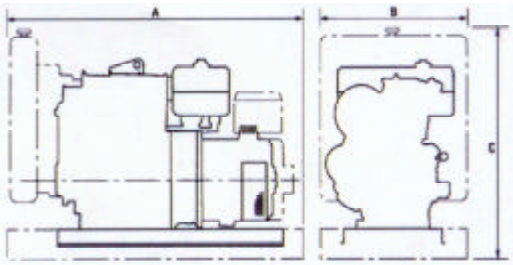
Generating Sets - MTU Engine Range

GENSET - 60 Hz at 1800 RPM					ENGINE DETAILS					APPROXIMATE DIMENSIONS				
Model	PRIME kVA	PRIME kW	STANDBY kVA	STANDBY kW	Model	Type Nat/asp or Turbo	No.of Cyls.	Cubic Capacity ltrs	Fuel Cons. ltrs/h	Length (A) mm	Width (B) mm	Height (C) mm	Gross Weight Kg	Packed Volume m3
TPMT800	800.0	640.0	880.0	704.0	**12V2000G43**	TURBO	12	24	166.0	4400	1600	2200	5000	15
TPMT910	910.0	728.0	1000.0	800.0	**12V2000G83**	TURBO	12	24	166.0	4400	1600	2200	5343	15
TPMT1100	1100.0	880.0	1200.0	960.0	**16V2000G43**	TURBO	16	32	236.0	4700	1600	2200	6268	17
TPMT1200	1200.0	960.0	1340.0	1072.0	**16V2000G83**	TURBO	16	32	218.0	4700	1600	2200	6268	17
TPMT1250	1250.0	1000.0	1500.0	1200.0	**18V2000G83**	TURBO	18	36	250.0	5100	1600	2200	7418	18
TPMT1800	1800.0	1440.0	2085.0	1668.0	**12V4000G43**	TURBO	12	32	233.0	2500	1900	2500	7741	12
TPMT2085	2085.0	1668.0	2300.0	1840.0	**12V4000G83**	TURBO	12	48	344.0	2500	1900	2500	9334	12
TPMT2425	2425.0	1940.0	2735.0	2188.0	**16V4000G43**	TURBO	12	48	344.0	2500	1900	2500	9894	12
TPMT2735	2735.0	2188.0	3000.0	2400.0	**16V4000G83**	TURBO	16	64	459.0	2500	1900	2500	11984	12
TPMT2990	2990.0	2392.0	3290.0	2632.0	**20V4000G43**	TURBO	16	64	459.0	3000	1900	2500	11984	14
TPMT3290	3290.0	2632.0	3600.0	2880.0	**20V4000G83**	TURBO	20	90	600	3000.0	2000	2500	2250	14
TPMT3600	3600.0	2880.0	4190.0	3352.0	**20V4000G83L**	TURBO	20	90	652	3000.0	2000	2500	2250	14

ADDITIONAL INFORMATION

1. All ratings are in accordance with ISO 8528-1 and ISO 3046, BS 5514 and DIN 6271 conditions
2. All ratings are based on nominal 440/220V, 3ph, 60Hz
3. Ratings are based on MTU supplied test data under NTP ambient conditions
4. Fuel consumption figures are based on 100% prime ratings in accordance with MTU published data
5. kVA figures are based on a power factor of 0.8
6. All sets have a daily-service diesel tank constructed from welded steel plate, integral with the base frame and fitted with fill, vent, feed and return lines and a contents gauge.



The information given in this leaflet is correct at the time of printing to the best of our knowledge. It is to be used as a general guideline. TPG reserve the right to amend details and specifications without notice in line with our policy of continuous product development.

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