



Compagnia Tecnica Motori S.p.A.

PRODUCTS CATALOGUE



english



Compagnia Tecnica Motori S.p.A.

Since 1958

Company

Founded in 1958 by a group of pioneering entrepreneurs, CTM's mission is to design and manufacture Generating Sets to be utilised in the energy production process. Today, the CTM Group offers a strong diverse manufacturing capability certified to UNI EN ISO 9001:2008 and UNI EN ISO 14001:2004; able to respond to the challenges of an increasingly selective global market with innovative products and solutions. In its 25.000 sq.m sized facility situated in Cesano Boscone, Milan, the company has established itself in manufacturing state-of-the-art products. CTM undertakes the role of a professional and reliable interlocutor to International customers.

CTM by NUMBERS

- Products Installed, over **10.000 units**
- Countries covered, **90**
- Total factory plant area, **25.000 square meter**
- Annual turnover, over **60.000.000€**
- **70% of our turnover** is generated through **overseas sales**



The CTM'S Diesel Gen Sets are designed according to International Standards and rules

Normative references

ISO 8528	Part 1: Application, ratings and performance Part 2: Engines Part 3: Alternating current generators for generating sets Part 4: Control gear and switchgear Part 5: Generating sets Part 6: Test methods Part 7: Technical declarations for specification and design Part 8: Requirements and tests for low-power generating sets Part 9: Measurement and evaluation of mechanical vibrations Part 10: Measurement of airborne noise by the enveloping surface method Part 12: Emergency power supply to safety services 90.93 ISO/TC 70 Part 13: Safety 60.60 ISO/TC 70
ISO 3046	Part 1: Declarations of power, fuel and lubricating oil consumptions, and test methods Part 3: Test measurements Part 4: Speed governing Part 6: Over speed protection
IEC 60034	Rotating Electrical Machines
EU 85/374 CEE	Community Directive
EU 2006/42/CE (ex 98/37 CE)	Machinery Directive
2004-108-CE	EMC

Other Standards for Bespoke solutions, as below:

NFPA 12	Standards on Carbon Dioxide Fire Extinguishing Systems
NFPA 750	Standards on Water Mist Fire Protection Systems
NFPA 2001	Standards on Clean agent Fire extinguishing Systems
NFPA 37	Standard for the Installation and Use of Stationary Combustion Engines and Gas Turbines
NFPA 70	National electrical code
NFPA 110	Standard for Emergency and Standby Power Systems
UL 142	Atmospheric tanks Construction Standards
EN 60079	Explosive atmospheres
DIRECTIVE 2014/34/EU	"Equipment and protective systems intended for use in potentially explosive atmospheres"

The Generating Sets, according with the type of purpose they are requested by the customer, are rated according to ISO 8528 performance nomenclature, as listed below:

Continuous operation at constant load – COP,

is defined as capability to deliver power supplying a constant electrical load for an unlimited numbers of hours per year, between stated maintenance intervals and under the stated ambient conditions, as prescribed by the engine's manufacturer.

Continuous operation at varying load – PRP,

is the maximum power available during a variable power sequence, which may be run for an unlimited number of hours per year, between stated maintenance intervals and under the stated ambient conditions as prescribed by the engine's manufacturer. The permissible average output power (P_{pp}) during a 24 hours period shall not exceed some percentage of the prime power to be stated by the engine's manufacturer (typically 70-80% of the PRP).

Limited Time Operation – LTP,

is the maximum power available which the Generating Set is capable of delivering for up to 500 hr per year, between stated maintenance intervals and under the stated ambient conditions as prescribed by the engine's manufacturer.

Emergency Standby Power – ESP,

is the maximum power available during a variable power sequence, for which the Generator Set is capable of delivering power for up to 200 h per year, between stated maintenance intervals and under the stated ambient conditions, as prescribed by the engine's manufacturer. The permissible average output power (P_{pp}) during a 24 hours period shall not exceed 70% of the ESP unless otherwise agreed by the engine manufacturer.

In addition to the Power Rating nomenclature, the ISO 8528 establishes four different "Performance Classes" the Generating Set has to perform to cover the various requirements of the different electrical loads. The classes are listed below:

Class G1

This applies to generating set applications where the connected loads are such that only basic parameters of voltage and frequency need to be specified.

EXAMPLE General-purpose applications (lighting and other simple electrical loads).

Class G2

This applies to generating set applications where its voltage characteristics are very similar to those for the commercial public utility electrical power system with which it operates. When load changes occur, there may be temporary but acceptable deviations of voltage and frequency.

EXAMPLE Lighting systems, pumps, fans and hoists.

Class G3

This applies to applications where the connected equipment makes severe demands on the stability and level of the frequency, voltage and waveform characteristics of the electrical power supplied by the generating set.

EXAMPLE Telecommunications and thyristor-controlled loads. It should be remembered that both rectifier and thyristor-controlled loads may need special consideration with respect to their effect on generator-voltage waveform.

Class G4

This applies to applications where the demands made on the stability and level of the frequency, voltage and waveform characteristics of the electrical power supplied by the generating set are exceptionally severe.

EXAMPLE Data-processing equipment or computer systems.

Emissions requirements

Compagnia Tecnica Motori offers a wide range of Generating Sets achieving compliance with stage IIIA for NRMM established by the European commission, Tier levels established by the EPA in USA and Ta Luft in Europe.

Due to the nature of the European Union, the member states are free to follow different more stringent rules than the European Commission directives. Such is the case for several countries, including France and Germany, that regulate stationary Generating Sets. It is important to note that different countries, even different cities, may have different rules and it is easy to get lost and not understand which ones to comply with.

Compagnia Tecnica Motori, can support It's customers with the selection of the right engine or, when necessary, the use of SCR based emission after treatment, to meet every specific emission level with our Diesel Generating Sets.

Engineering

Autocad 2016
Solid Works premium 2016

Welding

ASME IX – AWS D 1.1
Qualification

Painting Room

240 sq.m
Air pre-heating system with Carbon Filters

Handling

Cranes
n°4 x 25 ton
n°4 x 15 ton
n°2 x 20 ton

Indoor and Outdoor Testing Bays

- N°8 Indoor Testing Bays to carry out up to 7,5 MW @ different voltages and power factors
- 2.500 sq.m Outdoor Testing Bay to carry out up to 3,5 MW @ different voltages and power factors

Spareparts Warehouse

1.500 sq.m



manufacturing strenghts

Specifications

Engines

Reciprocating internal combustion diesel engines configuration includes: multi-cylinders in-line or "V" disposal, naturally aspirated or turbocharged, intercooled with mechanical governor or electronic upon request, or "common rail" type with electronic control to reduce fuel consumptions and exhaust emissions. Engines are equipped with air filters with replaceable elements with restrictor indicators. All rotating machinery and hot elements are equipped with safety guards. Engines are complete with electric starting systems (alternative options are available upon request) with starting motor and alternator battery charger 12 V or 24 V.



Base frames

Metallic base frames made in UNP sections or in S235 JR UNI7070 welded steel sections according to ASME IX directives. All base frames are equipped with lifting points. The base frames can be complete with integral fuel tanks which can be of variable capacity to meet the customer's requirements and applicable regulations.



Cooling system

The cooling of the engine is undertaken by the radiator with a pusher fan, mechanically engine driven by belts or by electric motor fans; alternatively separate cooling systems with a top tank and level indicators can be provided (upon request). The cooling system comprises a preheating system with thermostatic control and circulating pump for generating sets of medium/high ratings.

Generators

Alternators are synchronous, three phases, static excitation, brushless, self regulated and self ventilated, with IC-01 IC-0A1 system in compliance with IEC 34, VDE 0530, DIN-EN 60034 directives, suitable for 50 Hz or 60 Hz, IP23 protection degree or different upon request. The standard mounting is a single bearing configuration and, on demand, double bearing is available. All alternators are equipped by automatic voltage regulator electronic type and, upon request, by permanent magnet and other accessories. Insulation is actually in class H, on demand, F or B.

Control panels

The standard control panels are "Floor Standing" made of sheet steel structural work with IP44 minimum mechanical protection and 2B separation form – compliant with CEI – IEC – EN standards for electrical panels. The panels can be installed on board the unit or free standing and are normally complete with a GenSet protection breaker and controls for external switching. When requested, the control panels, are 4B separation form, including bus-bar or cables connections. All panels are fitted with microprocessor advanced generating set control boards with PLC functions on request. Each panel can be customised to meet any specific requirement.

The control boards offered in the "standard" configuration are the following:



▪ GC 350

Advanced AMF controller for stand-by gensets. Extensive configurability thanks to the many input and output available.



▪ GC 600

Synchro/Parallel controller for Island mode and Mains parallel functions with integrated PLC operations. The controller is provided with a colour display and a huge set of communication serial ports to be integrated with an external BMS.



▪ DST 4602 Evolution

Advanced Synchro/Parallel controller for Island mode and Mains parallel function (integrated PLC editor) up to 24 gensets connected on the same bus. Thanks to the huge number of I/O available and the possibility to expand them, the DST 4602 Evolution is the perfect solution for CHP plants also.

control panels



A wide range of soundproof systems with acoustic insulated materials Euroclass A1 fire resistant, as part of the CTM's effort!

Containers

The containers are designed and built in accordance with the customer needs. They are complete with integral corner lifting/fixing points for lifting/road transportation. The containers are provided with double/single doors with handles and latches in stainless steel.

Standard dimensions of containers

20'	6055 x 2435 x 2590 mm	length x Width x Height mm
25'	7500 x 2435 x 2590 mm	length x Width x Height mm
30'	9125 x 2435 x 2590 mm	length x Width x Height mm
40'	12190 x 2435 x 2590 mm	length x Width x Height mm
45'	13600 x 2435 x 2590 mm	length x Width x Height mm

Special dimensions on request

soundproof systems



Generating Sets – MTU Powered in 40' – 85 dB(A) @ 1m

Canopies

The canopies provide high noise attenuation and are self-supporting structures of monobloc type, able to ensure the lifting of the entire Diesel Generator. The canopies are complete with double doors to allow easy maintenance of the Generator Set and are complete with a separate compartment for the control panel of the Generator.



P100 - 85 dB(A) @ 1m

10

11



MT.3050 - 45' - 85 dB(A) @ 1m



V.500 - 20' - 55 dB(A) @ 7m - AISI 316L



M.1900 - Trailer Cont. - 70 dB(A) @ 7m



MT.1400 - 85 dB(A) @ 1m



P100 - 85 dB(A) @ 1m - AISI 316L



Compagnia Tecnica Motori s.p.a.

Since 1958

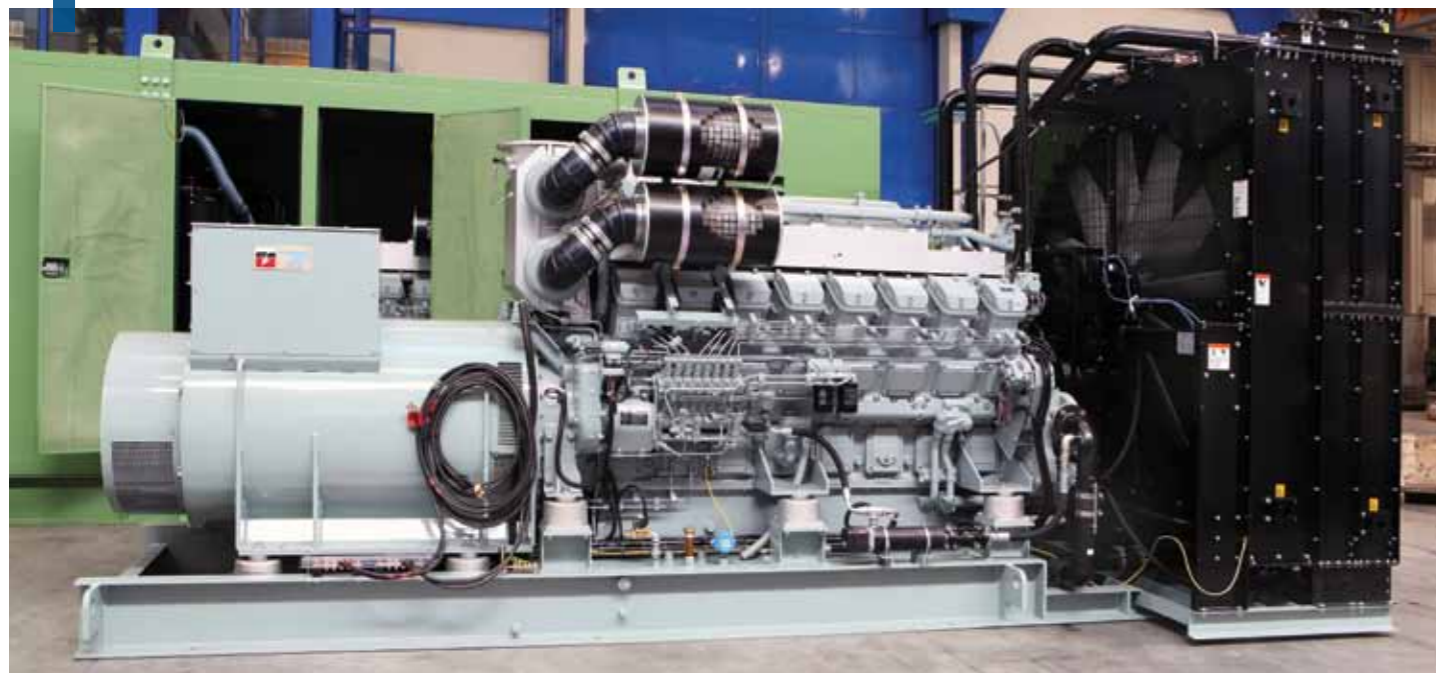
RATING TABLE, GENERATING SETS

Model	Engine	1500 rpm			1500 rpm			Dimensions and weights open gensets		Dimensions and weights genset sound - proof canopy/container	
		PRP rating		Cons. 100% l/h	LTP rating		l x W x H mm	Weight kg	l x W x H mm	Weight kg	
50 Hz 400/230V		kVA Cos. fi 0,8	kWe net		kVA Cos. fi 0,8	kWe net					
M.375	S6B3-PTA	375	300	80,0	413	330	3600 x 1600 x 1900	3.800	5200 x 1800 x 2400	6.100	
M.450	S6A3-PTA	450	360	123,0	495	396	3600 x 1500 x 1800	4.000	5700 x 1800 x 2600	6.500	
M.500	S6A3-PTAA	500	400	127,0	550	440	4000 x 1600 x 1900	4.200	5700 x 1800 x 2600	6.800	
M.590	S6R-PTA	590	472	125,5	649	519	3800 x 1450 x 2200	5.600	5700 x 1800 x 2600	7.900	
M.670	S6R2-PTA	670	536	146,7	737	590	3900 x 1450 x 2200	5.800	5700 x 1800 x 2600	8.500	
M.740	S6R2-PTAA	740	592	170,0	814	651	4200 x 1800 x 2000	6.200	5700 x 1800 x 2600	9.000	
M.780	S12A2-PTA	780	624	170,6	858	686	4000 x 1450 x 2200	6.800	5800 x 2800 x 2600	9.000	
M.880	S12A2-PTA2	880	704	220,0	968	774	4100 x 1800 x 2100	7.500	6000 x 2000 x 2600	10.000	
M.1030	S12H-PTA	1030	824	225,2	1133	906	4300 x 2000 x 2400	9.000	6750 x 2200 x 2750	12.200	
M.1260	S12R-PTA	1260	1008	265,6	1386	1109	4500 x 2000 x 2350	10.500	7000 x 2400 x 2750	14.000	
M.1400	S12R-PTA2	1400	1120	298,9	1540	1232	4500 x 2000 x 2350	11.000	7500 x 2400 x 2800	14.600	
M.1500	S12R-PTAA2	1500	1200	331,4	1650	1320	5500 x 2000 x 2700	11.500	Container 30'	17.000	
M.1550	S12R-F1PTAW2	1550	1240	337,7	1705	1364	5200 x 2000 x 2600	11.500	Container 30'	17.000	
M.1730	S16R-PTA	1730	1384	353,3	1903	1522	5300 x 2000 x 2600	12.000	Container 40'	18.500	
M.1900	S16R-PTA2	1900	1520	391,1	2090	1672	5300 x 2000 x 2600	13.000	Container 40'	19.500	
M.2000	S16R-PTAA2	2000	1600	424,5	2200	1760	6000 x 2150 x 2800	14.000	Container 40'	20.500	
M.2100	S16R-F1PTAW2	2100	1680	455,5	2310	1848	6400 x 2200 x 2800	19.000	Container 40'	25.500	
M.2250	S16R2-PTAW	2250	1800	480,9	2475	1980	6500 x 2500 x 2800	20.000	Container 40'	26.500	
M.2250	S16R2-F1PTAW	2250	1800	561,3	2475	1980	6500 x 2500 x 2800	20.000	Container 40'	28.500	
M.2400	S16R2-PTAW E	2400	1920	507,0	2640	2112	7000 x 2500 x 2800	22.000	Container 40'	28.500	
1000 rpm											
M.1440U	S6U-PTA-PTK	1440	1152	297,6	1584	1267	6350 x 1800 x 2800	15500	-	-	
M.1550U	S6U2-PTA-PTK	1550	1240	320,4	1705	1364	6500 x 1800 x 2800	17000	-	-	
M.1900U	S8U-PTA-PTK	1900	1520	392,6	2090	1672	7300 x 1800 x 2800	21000	-	-	
M.2885U*	S12U-PTA-PTK	2885	2308	596,3	3174	2539	7520 x 2000 x 3600	34000	-	-	
M.3850U*	S16U-PTA-PTK	3850	3080	775,0	4235	3388	9000 x 2600 x 4000	48000	-	-	

* MV or HV Only



M.1730



M.2100



M.1500



M.1260

RATING TABLE, GENERATING SETS

Model	Engine	1500 rpm			PRP rating		LTP rating		Dimensions and weights open gensets		Dimensions and weights genset sound - proof canopy/container	
		kVA Cos. fi 0,8	kWe net	Cons. 100% l/h	kVA Cos. fi 0,8	kWe net	l x W x H mm	Weight kg	l x W x H mm	Weight kg		
MT.275	6R 1600 G10F	275	220	60	300	240	3500 x 1400 x 2100	3.300	4500 x 1600 x 2200	4.700		
MT.300	6R 1600 G20F	300	240	65	330	264	3500 x 1400 x 2100	3.300	4500 x 1600 x 2200	4.700		
MT.365	8V 1600 G10F	365	292	80	400	320	3600 x 1650 x 2200	3.550	5200 x 1650 x 2500	5.500		
MT.400	8V 1600 G20F	400	320	87	440	352	3600 x 1650 x 2200	3.700	5200 x 1650 x 2500	5.700		
MT.450	10V 1600 G10F	450	360	102	500	400	3750 x 1650 x 2200	4.000	5200 x 1650 x 2500	6.100		
MT.500	10V 1600 G20F	500	400	109	550	440	3750 x 1650 x 2200	4.400	5200 x 1650 x 2500	6.700		
MT.590	12V 1600 G10F	590	472	117	650	520	4000 x 1600 x 2200	4.800	5700 x 1800 x 2800	7.500		
MT.650	12V 1600 G20F	650	520	129	715	572	4000 x 1600 x 2200	5.000	5700 x 1800 x 2800	7.800		
MT.650	12V 2000 G25TD	650	520	135	715	572	4000 x 1700 x 2100	5.800	5700 x 1800 x 2600	7.800		
MT.750	12V 2000 G16F	750	600	152	825	660	4700 x 1900 x 2200	6.500	6000 x 1800 x 2600	9.000		
MT.770	12V 2000 G65TD	770	616	168	847	678	4100 x 1700 x 2100	6.700	6000 x 1800 x 2600	9.200		
MT.800	12V 2000 G26F	800	640	162	880	704	4600 x 1950 x 2200	7.200	6000 x 1800 x 2600	9.700		
MT.910	16V 2000 G25TD	910	728	193	1000	800	4600 x 2000 x 2200	6.700	6300 x 2000 x 2750	9.400		
MT.910	16V 2000 G16F	910	728	186	1000	800	4900 x 2000 x 2200	7.800	7000 x 2100 x 2700	10.600		
MT.1000	16V 2000 G65TD	1000	800	216	1100	880	4600 x 2000 x 2200	7.100	6300 x 2000 x 2750	10.000		
MT.1000	16V 2000 G26F	1000	800	205	1100	880	5000 x 2000 x 2200	7.700	7000 x 2100 x 2700	10.600		
MT.1135	18V 2000 G65TD	1135	908	242	1250	1000	5000 x 2000 x 2400	8.000	7000 x 2100 x 2700	10.400		
MT.1135	16V 2000 G36F	1135	908	231	1250	1000	5000 x 2000 x 2200	7.800	7000 x 2100 x 2700	10.600		
MT.1250	18V 2000 G26F	1250	1000	251	1375	1100	5200 x 2000 x 2200	8.700	7500 x 2100 x 2700	11.700		
MT.1400	12V 4000 G23R	1400	1120	302	1540	1232	5000 x 2000 x 2550	12.000	Container 30'	19.500		
MT.1550	12V 4000 G23	1550	1240	323	1705	1364	5000 x 2000 x 2550	12.000	Container 30'	19.500		
MT.1650	12V 4000 G23	1650	1320	323	1815	1452	5000 x 2000 x 2550	12.000	Container 30'	19.500		
MT.1850	12V 4000 G63	1850	1480	364	2035	1628	5000 x 2000 x 2550	12.500	Container 40'	22.000		
MT.2100	16V 4000 G23	2100	1680	407	2310	1848	6100 x 2300 x 3000	15.500	Container 40'	25.500		
MT.2300	16V 4000 G63	2300	1840	447	2530	2024	6100 x 2300 x 3000	16.500	Container 40'	26.500		
MT.2500	20V 4000 G23	2500	2000	509	2750	2200	6500 x 2000 x 2750	17.000	Container 40'	34.000		
MT.2850	20V 4000 G63	2850	2280	554	3135	2508	6500 x 2000 x 2750	18.000	Container 40'	37.000		
MT.3050	20V 4000 G63L	3050	2440	600	3355	2684	6500 x 2000 x 2750	20.000	Container 40'	39.000		



MT.3050



MT.2500



MT.2300



MT.2850



MT.770

RATING TABLE, GENERATING SETS

Model	Engine	1500 rpm			PRP rating		LTP rating		Dimensions and weights open gensets		Dimensions and weights genset sound - proof canopy/container	
		kVA Cos. fi 0,8	kWe net	Cons. 100% l/h	kVA Cos. fi 0,8	kWe net	l x W x H mm	Weight kg	l x W x H mm	Weight kg		
P.9	403A-11G1	9	7	2,6	10	8	1420 x 910 x 1114	520	1470 x 770 x 1330	550		
P.13	403A-15G1	13	10	3,7	15	11	1420 x 920 x 1250	560	1660 x 770 x 1330	650		
P.15	403A-15G2	15	12	4,9	17	13	1420 x 920 x 1250	560	1660 x 770 x 1330	650		
P.20	404A-22G1	20	16	5,4	22	18	1420 x 920 x 1260	610	1660 x 770 x 1330	650		
P.30	1103A-33G	30	24	6,9	33	26	1550 x 920 x 1375	780	2260 x 1040 x 1820	1.090		
P.45	1103A-33TG1	45	36	10,2	50	40	1620 x 910 x 1400	780	2260 x 1040 x 1820	1.240		
P.60	1103A-33TG2	60	48	11,6	66	53	1750 x 905 x 1375	980	2260 x 1040 x 1820	1.300		
P.65	1104A-44TG1	65	52	15,9	72	57	1700 x 800 x 1350	1.100	3000 x 1100 x 1800	2.200		
P.80	1104A-44TG2	80	64	18,2	88	70	1850 x 800 x 1350	1.200	3000 x 1100 x 1800	2.200		
P.100	1104C-44TAG2	100	80	21,7	112	90	2200 x 800 x 1400	1.500	3400 x 1300 x 1800	2.300		
P.135	1106A-70TG1	135	108	23,8	150	120	2450 x 900 x 1600	1.800	4000 x 1400 x 2000	3.700		
P.150	1106A-70TAG2	150	120	29,9	165	132	2450 x 900 x 1600	1.850	4000 x 1400 x 2000	3.800		
P.180	1106A-70TAG3	180	144	39,8	200	160	2450 x 900 x 1600	2.000	4000 x 1400 x 2200	3.900		
P.200	1106A-70TAG4	200	160	45,1	220	176	2450 x 900 x 1600	2.100	4000 x 1400 x 2200	4.000		
P.200	1506A-E88TAG1	200	160	46,2	220	176	2800 x 900 x 1850	2.200	4400 x 1450 x 2300	4.200		
P.230	1506A-E88TAG2	230	185	47,8	250	200	2800 x 900 x 1850	2.200	4400 x 1450 x 2300	4.300		
P.250	1506A-E88TAG3	250	200	51,3	275	220	3000 x 1000 x 1800	2.300	4400 x 1450 x 2300	4.600		
P.275	1506A-E88TAG4	275	220	60,6	300	240	3300 x 1200 x 1800	2.500	4400 x 1450 x 2300	4.600		
P.300	1506A-E88TAG5	300	250	62,5	330	270	3300 x 1200 x 1800	2.600	4400 x 1450 x 2300	4.600		
P.350	2206C-E13TAG2	350	280	69,6	400	320	3400 x 1200 x 2100	3.200	4500 x 1500 x 2400	4.300		
P.400	2206A-E13TAG3	400	320	75,2	450	350	3400 x 1200 x 2100	3.200	4500 x 1500 x 2400	4.500		
P.450	2506A-E15TAG1	455	364	79,9	500	400	3600 x 1200 x 2200	3.600	5200 x 1650 x 2500	5.700		
P.500	2506A-E15TAG2	500	400	94,0	550	440	3600 x 1200 x 2200	3.800	5200 x 1650 x 2500	6.000		
P.600	2806A-E18TAG1A	600	480	108,0	660	528	3600 x 1600 x 2200	4.800	5500 x 2000 x 2600	6.800		
P.650	2806A-E18TAG2	650	520	120,3	700	560	3600 x 1600 x 2200	5.000	5500 x 2000 x 2600	7.000		
P.750	4006-23TAG2A	750	600	149,8	820	656	4000 x 1800 x 2200	6.000	6500 x 2100 x 2650	10.000		
P.800	4006-23TAG3A	800	641	163,0	900	718	4000 x 1800 x 2200	6.300	6500 x 2100 x 2650	10.000		
P.900	4008-TAG1A	900	720	194,4	1000	800	5000 x 2000 x 2200	7.500	7500 x 2400 x 2900	12.000		
P.900	4008-30TAG1A	900	720	194,4	1000	800	5000 x 2000 x 2200	7.500	7500 x 2400 x 2900	12.000		
P.1000	4008-TAG2A	1000	800	215,0	1100	880	5000 x 2000 x 2200	7.500	7500 x 2400 x 2900	12.500		
P.1000	4008-30TAG2A	1000	800	215,0	1125	900	5000 x 2000 x 2200	7.500	7500 x 2400 x 2900	12.500		
P.1125	4008-30TAG3A	1125	900	230,0	1250	1000	5000 x 2000 x 2200	7.500	7500 x 2400 x 2900	12.500		
P.1250	4012-46-TWG2A	1250	1000	258,0	1375	1100	5000 x 2000 x 2200	7.500	7500 x 2400 x 2900	13.500		
P.1350	4012-46TWG3A	1350	1110	265,0	1500	1200	5000 x 2000 x 2500	10.000	8000 x 2400 x 3000	14.000		
P.1350	4012-46TAG1A	1350	1100	270,0	1500	2000	5000 x 2000 x 2500	10.000	8000 x 2400 x 3000	14.000		
P.1500	4012-46TAG2A	1500	1200	296,6	1650	1320	5200 x 2000 x 2500	10.500	Container 30'	18.000		
P.1700	4012-46TAG3A	1700	1350	349,7	1875	1600	5300 x 2200 x 2500	11.000	Container 40'	19.000		
P.1850	4016-TAG1A	1850	1480	378,2	2000	1800	6000 x 2300 x 2900	15.600	Container 40'	18.000		
P.2000	4016-TAG2A	2000	1600	425,7	2250	1600	6000 x 2300 x 2900	15.600	Container 40'	22.000		
P.1850	4016-61TRG1	1850	1480	385,4	2000	1800	6000 x 2200 x 2600	12.500	Container 40'	24.000		
P.2000	4016-61TRG2	2000	1600	418,1	2250	2000	6000 x 2200 x 2600	12.800	Container 40'	25.200		
P.2250	4016-61TRG3	2250	1800	470,6	2500	1200	6000 x 2200 x 2900	13.400	Container 40'	26.000		



P.1850



P.400



P.1700

RATING TABLE, GENERATING SETS

Model	Engine	1500 rpm			PRP rating		LTP rating		Dimensions and weights open gensets		Dimensions and weights genset sound - proof canopy/container	
		kVA Cos. fi 0,8	kWe net	Cons. 100% l/h	kVA Cos. fi 0,8	kWe net	l x W x H mm	Weight kg	l x W x H mm	Weight kg		
C.200	QSB7G5	200	160	47	220	176	2650 x 1100 x 1700	1.700	4100 x 1250 x 2250	3.200		
C.250	QSL9G3	250	200	62	275	220	3550 x 1100 x 1950	2.500	4200 x 1250 x 2250	3.700		
C.300	QSL9G5	300	240	66	330	264	3550 x 1100 x 1950	2.700	4500 x 1500 x 2500	4.200		
C.450	QSK15G6	450	360	101	500	400	3600 x 1300 x 2100	4.150	4500 x 1850 x 2500	4.800		
C.500	QSK15G8	500	400	108	550	440	3800 x 1300 x 2100	4.300	4500 x 1850 x 2500	5.400		
C.630	VTA28G5	630	504	147	693	554	4500 x 1610 x 2000	6.000	5200 x 1850 x 2600	7.500		
C.810	QSK23G3	810	648	168	900	720	4500 x 1900 x 2100	6.800	5200 x 2000 x 2600	9.300		
C.910	QST30G3	910	728	192	1000	800	4500 x 1700 x 2100	6.500	5200 x 2000 x 2600	9.000		
C.910	KTA38G3	910	728	206	1000	800	4600 x 1800 x 2300	8.500	7000 x 2400 x 2750	11.500		
C.1000	QST30G4	1000	800	210	1100	880	4600 x 1700 x 2400	7.500	7000 X 2400 x 2750	10.000		
C.1000	KTA38G5	1000	800	218	1100	880	4600 x 1800 x 2300	8.700	7000 x 2400 x 2750	11.700		
C.1260	KTA50G3	1260	1008	272	1400	1120	5500 x 2100 x 2300	10.500	7000 x 2400 x 2750	14.000		
C.1400	KTA50G8	1400	1120	301	1675	1340	5500 x 2100 x 2300	14.200	7000 x 2400 x 2750	17.200		
C.1875	QSK60G3	1875	1500	378	2063	1650	6500 x 2500 x 3450	15.800	Container 40'	21.000		
C.2034	QSK60G4	2034	1627	410	2233	1786	6500 x 2500 x 3450	17.500	Container 40'	25.000		
C.2500	QSK78G9	2500	2000	460	2750	2200	7110 x 2900 x 3670	21.400	-	-		
C.2750	QSK78G9	2750	2200	522	3000	2400	7110 x 2900 x 3670	22.400	-	-		
C.3125	QSK95G10	3125	2500	613	3500	2800	7900 x 3028 x 3670	31.200	-	-		

C.1000



C.2034



C.2750



C.1000

RATING TABLE, GENERATING SETS

Model	Engine	1500 rpm					Dimensions and weights open gensets		Dimensions and weights genset sound - proof canopy/container	
		PRP rating			LTP rating					
50 Hz 400/230V		kVA Cos. fi 0,8	kWe net	Cons. 100% l/h	kVA Cos. fi 0,8	kWe net	I x W x H mm	Weight kg	I x W x H mm	Weight kg
V.85	TAD 530 GE	85	68	17,6	94	75	2200 x 1000 x 1500	1.350	3500 x 1100 x 1800	2.100
V.100	TAD 531 GE	100	80	20,7	109	87	2200 x 1000 x 1500	1.400	3500 x 1100 x 1800	2.200
V.130	TAD 532 GE	130	104	27,0	142	114	2200 x 1000 x 1500	1.600	3500 x 1100 x 1800	2.350
V.130	TAD 730 GE	130	104	27,0	142	114	2200 x 1000 x 1600	1.700	4100 x 1250 x 2250	2.800
V.150	TAD 731 GE	152	122	31,5	167	134	2500 x 1000 x 1600	1.800	4100 x 1250 x 2250	2.900
V.180	TAD 732 GE	186	149	38,5	206	165	2600 x 1000 x 1800	2.000	4100 x 1250 x 2250	3.250
V.200	TAD 733 GE	201	161	41,6	224	179	2600 x 1000 x 1800	2.200	4100 x 1250 x 2250	3.300
V.250	TAD 734 GE	250	200	51,7	275	220	2800 x 1100 x 1800	2.600	4200 x 1250 x 2250	3.700
V.300	TAD 1341 GE	315	252	65,1	346	277	2900 x 1100 x 1800	2.950	4500 x 1500 x 2500	4.350
V.350	TAD 1342 GE	352	282	72,9	387	310	3000 x 1100 x 1900	3.150	5000 x 1500 x 2500	4.750
V.375	TAD 1343 GE	378	302	78,0	414	331	3300 x 1100 x 1900	3.250	5000 x 1650 x 2500	4.850
V.400	TAD 1344 GE	412	330	85,2	452	362	3300 x 1100 x 1900	3.300	5000 x 1650 x 2500	4.900
V.450	TAD 1345 GE	451	361	93,3	501	401	3300 x 1100 x 1900	3.500	5000 x 1650 x 2500	5.200
V.460	TAD 1640 GE	461	369	95,3	506	405	3300 x 1200 x 2100	3.500	5200 x 1650 x 2500	5.400
V.500	TAD 1641 GE	505	404	104,4	556	445	3300 x 1200 x 2100	3.600	5200 x 1650 x 2500	5.600
V.590	TAD 1642 GE	591	473	122,2	651	521	3400 x 1200 x 2200	4.000	5200 x 1650 x 2500	5.800
V.630	TWD 1643 GE	630	504	130,2	700	560	3600 x 1300 x 2200	4.500	5700 x 1800 x 2800	6.600
V.650	TWD 1644 GE	650	520	135,0	717	573	3600 x 1300 x 2200	4.600	5700 x 1800 x 2800	6.600
V.700	TWD 1645 GE	700	560	144,7	770	616	3800 x 1300 x 2200	4.700	6500 x 2100 x 2800	8.600

V.500



V.590



V.375



V.500



Services

Spare parts

Compagnia Tecnica Motori offers a full range of services and spare parts to get the most from his Generating Sets. In our 1500 sq.m warehouse, the customer can find genuine spare parts and consumables for Mitsubishi, Hatz, MTU, Waukesha, Volvo Penta, Cummins, Perkins and Ford engines.

In addition to the engine components, we have available a great assortment of components, both mechanical and electrical, for the Generating Sets.



Maintenance services

Thanks to our preventive maintenance and repair plans, we can offer reliable services to our customers to get the best from our Generating Sets. All the preventive scheduled plans are designed according to the customer's needs whilst respecting the engine maintenance requirement; which are specific to every engine.

Our technicians and senior engineers are regularly trained and fully equipped; they are ready to travel all over the world to satisfy the customer's needs.

Turnkey Solution

Compagnia Tecnica Motori has a relevant experience in managing all aspects of Civil, Mechanical and Electrical works, relating to the installation of: Generating Sets, CHP plants, Fire Pumps and Rotary UPSs. All the constructions activities are undertaken according to International construction and quality standards.

The areas of specialisation include:

- Executive Design and construction
- Project Management
- Construction supervision
- Civil works
- Construction and assembly
- Final commissioning and testing



Compagnia Tecnica Motori S.p.A.

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