



Diesel Engine Generator

Standard Series 5 kW – 2000 kW

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The TECO diesel engine generator delivers outstanding performance and robust construction, designed for long-term continuous operation. Each generator set is equipped with a premium-grade diesel engine from renowned international brands. The generator and diesel engine are directly coupled through a flexible connector and mounted on a reinforced, vibration-resistant steel base frame. The entire unit operates reliably under ambient temperatures of 0°C to 50°C, altitudes up to 1,000 meters, and relative humidity levels between 0%~95%.

Performance & Features

- Complies with CNS standards
- Equipped with comprehensive load testing facilities
- Fully computerized protection and control system for safe operation
- Paralleling capability for higher output power
- Complete on-site design and installation services available
- Eco-friendly engine options meeting U.S. and EU emission standards
- Original imported generator sets available upon request

Certifications

TECO has been honored with the **National Quality Award**, and is certified under:

- ISO 9001
- ISO 14001
- OHSAS 18001
- TOSHMS 2007
- TAF Accredited Testing Laboratory

Diesel Engine

The diesel engine is sourced from leading international manufacturers and features a four-stroke, water-cooled, multi-cylinder configuration, either V-type or in-line, with direct fuel injection, and naturally aspirated or turbocharged options. Its design and operation comply with the latest applicable standards of NEMA, IEEE, ISO, and CNS. The fuel used is commercial-grade super diesel available in Taiwan.

1

Cooling System

The radiator is mounted at the front of the engine, aligned coaxially with the engine and alternator, and securely fixed on the same steel base frame. The cooling system consists of an engine-driven fan and a circulating water pump that deliver coolant to the fan-cooled radiator, forming a closed-loop cooling circuit. A thermostatic control device maintains the coolant at a stable operating temperature, and a high-temperature protection system ensures reliable and safe operation under all conditions.

2

Starting System

The generator set is equipped with a DC 12V or 24V battery starting system, with sufficient capacity to perform more than six consecutive start attempts. Upon receiving a start signal, the control panel automatically starts the engine and delivers power within 10 seconds. The unit includes an automatic adjustable cranking timer; if the engine fails to start, the cranking process will stop automatically and an alarm signal will be activated.

3

Lubrication System

The lubrication system is a forced circulation type, driven by an engine-mounted gear oil pump. It includes an oil sump, inlet filter, lubricating oil cooler, oil pressure gauge, oil temperature gauge, alarm indicator, and oil pressure regulating valve to ensure proper lubrication and monitoring.

4

Intake System

The intake system is either naturally aspirated or turbocharged, and the intake manifold is equipped with a dry-type air filter.

5

Exhaust System

The exhaust system consists of an exhaust manifold, flexible metallic vibration-absorbing hose, and silencer to minimize vibration and noise.

6

Fuel System

The fuel system adopts a direct injection system equipped with a fuel filter and a governor to control fuel delivery. The daily fuel tank includes a fuel filter, fuel-water separator, fuel level gauge, inlet valve, drain valve, level switch, and vent hole to ensure safe and stable operation.

7

Governing System

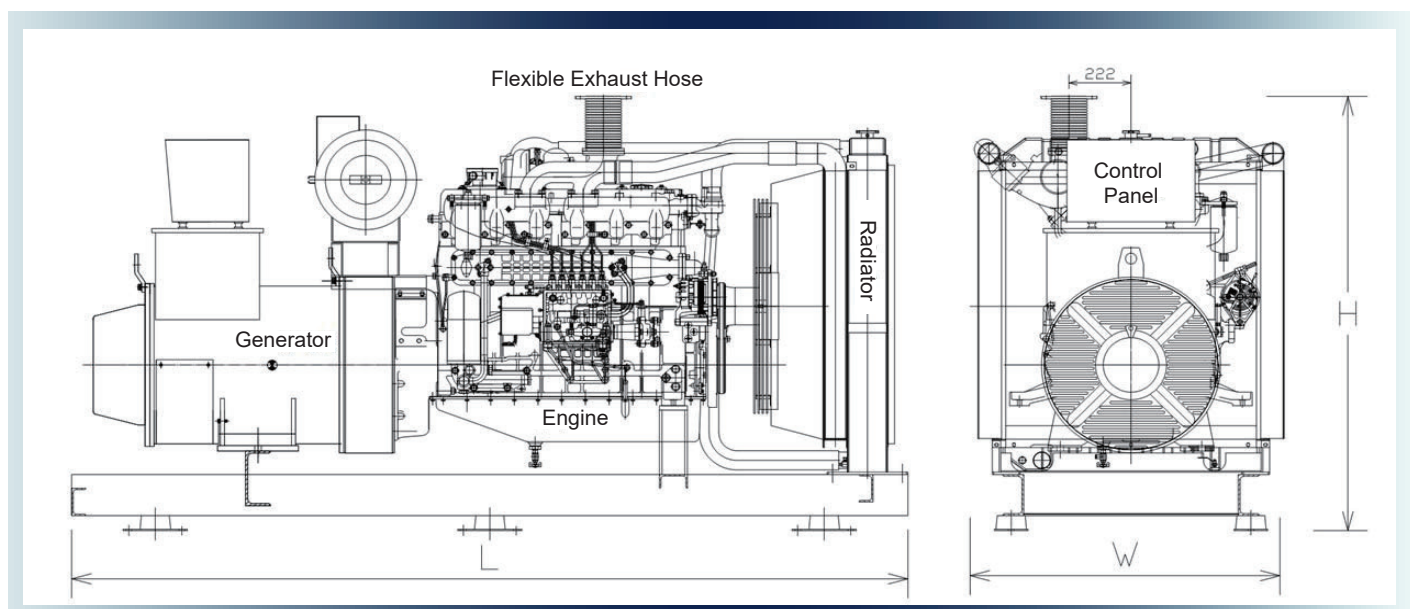
The governor is mechanical, electronic solid-state, or microcomputer-controlled type.

8

Protection System

The generator set is equipped with automatic shutdown protection for low lubricating oil pressure, high coolant temperature, overspeed, overload, overvoltage, and excessive starting duration. Auxiliary fault signal contacts are also provided for remote monitoring or control.

Outline Dimensions of Diesel Generator Set



1

Rugged Construction

The generator is a horizontal-shaft, brushless, self-ventilated, rotating-field synchronous AC type. Its enclosure is drip-proof (IP23) semi-enclosed, designed for natural ventilation and long-term reliable operation.

2

Class H Insulation

Both the stator and rotor windings are made with Class H insulation, coated with a special resin that provides moisture resistance, high-temperature endurance, high dielectric strength, and excellent mechanical durability. The exciter adopts a three-phase full-wave rectification system, maintaining a high residual magnetism voltage, which allows the generator to perform self-excitation during operation.

3

Easy Operation and Maintenance

The generator consists of a main generator section and an exciter section. The exciter is a brushless, rotating-field type, in which the armature winding generates three-phase AC power that is rectified by a three-phase full-wave rotating rectifier mounted on the same shaft. The rectified current is directly supplied to the rotating field of the main generator. A damper winding is also provided to prevent hunting phenomena.

4

Automatic Voltage Regulator (AVR)

The voltage regulator is of solid-state electronic type, providing a $\pm 5\%$ voltage adjustment range. It automatically maintains the output voltage within $\pm 1\%$ from no-load to full-load conditions.

5

High/Low Voltage Connections

The generator stator is provided with 6 or 12 leads, allowing reconnection for high or low voltage configurations to meet customer requirements. A voltage adjustment rheostat is installed on the control panel, enabling fine voltage tuning of $\pm 5\%$ or more of the rated output.

- **Output Voltages :** 3-phase, 4-wire
220V, 380V, 440V, 480V,
3.3kV, 4.16kV, 6.9kV, 11.4kV

Electrical Characteristics

1. Voltage Regulation:

- No-load to full-load variation: within $\pm 1\%$
- Steady-state regulation: within $\pm 0.5\%$

2. Frequency Regulation:

- No-load to full-load variation:
within $\pm 0.5\%$ (electronic/electric governor)
within $\pm 5\%$ (mechanical governor)
- Steady-state regulation: within $\pm 0.25\%$

3. Voltage Waveform Deviation Factor: less than 6%

4. Total Harmonic Distortion (THD): less than 5%

5. Telephone Harmonic Factor (THF): less than 5%

6. Telephone Influence Factor (TIF): less than 150

7. Short-Circuit Current:

capable of withstanding 300% of rated current for 10 seconds.

8. Overspeed:

capable of withstanding 125% of rated speed for 1 minute.

The generator control system is equipped with an LCD digital display, showing the following parameters:

1

LCD Digital Display Functions

- 3-phase line voltage / 3-phase phase voltage / 3-phase current
- Frequency
- Oil pressure
- Coolant temperature
- Battery voltage
- Date and time
- Engine speed (RPM)
- Hour meter
- Utility failure (charger power interruption)
- Power factor (P.F.)*
- Total active energy (kWh)*
- Total active power (kW)* / Total apparent power (kVA)*
- Total reactive power (kVAR)* / Total active energy*

2

Protection and Alarm Functions

(LCD Display)

Over-cranking / Low oil pressure / High coolant temperature / Low coolant level
Overspeed / Low frequency / Overload / Overcurrent / Short circuit / Low voltage
Overvoltage / Low fuel level / Low battery voltage / High battery voltage /
Charging failure / Emergency stop

3

Selectable Protection Modes

Four selectable protection actions — Warning / Alarm / Trip / Shutdown.
The system automatically shuts down when low oil pressure, high coolant temperature, overspeed, over-cranking, or overvoltage occurs.

4

Programmable Features

- Timed start function
- 64 fault records
- 1024 event log entries

5

Automatic Cranking Control

The cranking time is adjustable. If the engine fails to start, the system automatically stops cranking and triggers an alarm.

6

Communication Protocols

Supports : MODBUS RTU / RS-485 interface / CANBUS J1939*

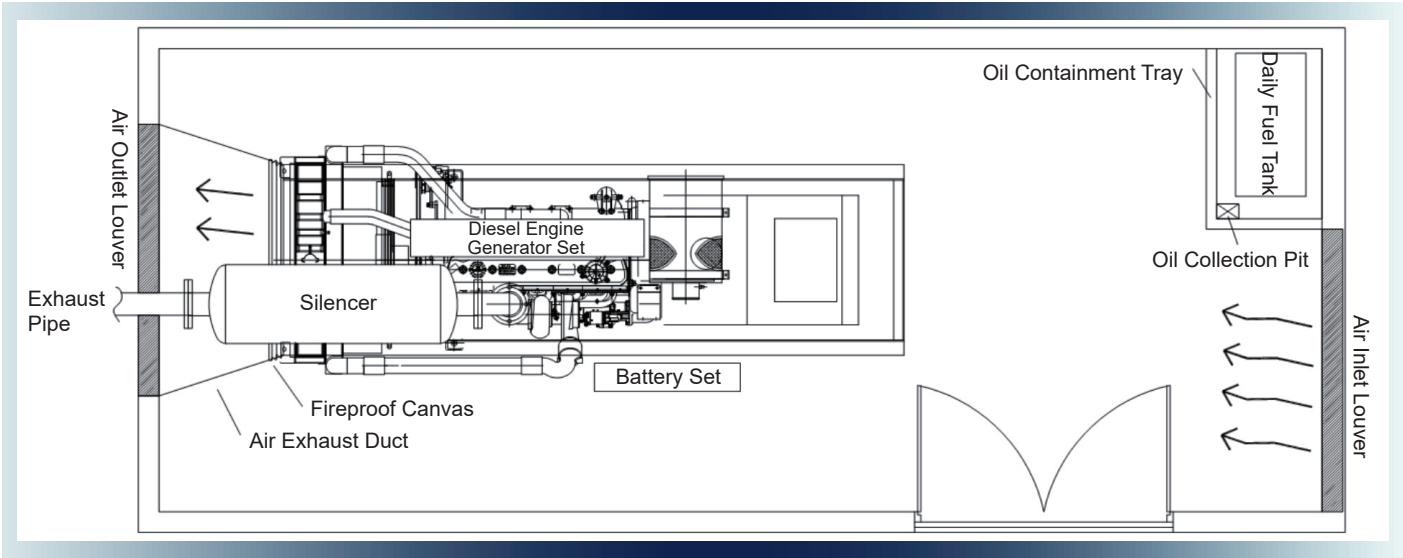
* : Optional feature

• Standard Accessories •

Control panel, starting battery, battery rack, built-in battery charger, flexible metal exhaust hose, silencer, daily fuel tank, rubber vibration isolators, tool kit.

• Optional Accessories •

Automatic paralleling control panel, soundproof enclosure, weatherproof enclosure, main circuit breaker, exhaust purifier, float/equalizing battery charger, spring-type vibration isolators, fuel-water separator, level switch.



Rugged Construction

- 1 The silencer shall be installed by the customer, and its height shall be adjusted and fixed according to the installation site conditions.
- 2 The exhaust system shall be equipped with a silencer and exhaust piping leading outdoors. The indoor section of the exhaust pipe shall be insulated, and the outlet shall be fitted with weatherproof protection to prevent rain and wind from entering the pipe.
- 3 When connecting multiple exhaust lines, a Y-type manifold configuration is recommended.

• Military Type •	• Soundproof Type •	• Paralleling Panel •
• Imported Unit •	• Open Type •	

★ **Note:** All drawing and layouts in this catalog are for reference only.

Diesel Engine Generator Set — Standard Specifications

Model				TEG-80S	TEG-100S	TEG-125S	TEG-150S	TEG-200S	TEG-250S
Product No		STANDBY		EKBTBD 040100	EKBTBD 040125	EKBTBD 040156	EKBTBD 040188	EKBTBD 040250	EKBTBD 040313
		PRIME POWER		EKATBD 040091	EKATBD 040114	EKATBD 040143	EKATBD 040170	EKATBD 040228	EKATBD 040284
Generator	Output	STANDBY	KVA	100	125	156	188	250	313
			KW	80	100	125	150	200	250
		PRIME POWER	KVA	91	114	143	170	228	284
			KW	73	91	114	136	182	227
	Voltage		V	120~480					
	Frequency		HZ	60					
	Rated Speed		RPM	1800					
	Phase			3					
	Power Factor		PF	0.8 Lagging					
Diesel Engine	Engine Brand			BAUDOUIN					
	Engine Type			4M11G83/6	6M11G110/6	6M11G135/6	6M11G160/6	6M16G220/6	6M16G250/6
	Emission Standard			--					
	Combustion System			4-Cycle Unit Injector Direct Injection					
	No. of Cylinders			4	6				
	Bore × Stroke mm			105x130				126 x 130	
	Displacement L			4.5	6.75			9.726	
	Piston Speed m/s			7.8					
	Compression Ratio			18.0:1				17.0:1	
	Output	STANDBY	KW	93	132	158	180	264	288
		PRIME POWER	KW	85	120	144	164	240	262
	Rated Speed RPM			1800					
	Lubricating Oil Capacity			13 L	19 L			30 L	
	Starting System			DC 12V electric starting	DC 24V electric starting				
	Cooling System			Radiator water-cooled type					
	Battery			12V 120AH	12V 120AH x 2			12V 150AH x 2	
Performance	Voltage Regulation			Within ±1%					
	Frequency Regulation			Within 1%					
	Voltage Adjustment Range			±10%					
Dimensions	Length mm			2400	2600	2700	2700	3100	3200
	Width mm			900	1000	1000	1000	1200	1200
	Height mm			1400	1500	1500	1500	1600	1600
	Approx Weight kg			1350	1500	1600	1800	2400	2500
Fuel Tank		Capacity L	150	150	150	200	300	300	

Diesel Engine Generator Set — Standard Specifications

Model				TEG-300S	TEG-350S	TEG-400S	TEG-450S	TEG-500S	TEG-550S	
Product No		STANDBY		EKBTBD 040375	EKBTBD 040438	EKBTBD 040500	EKBTBD 040563	EKBTBD 040625	EKBTBD 040688	
		PRIME POWER			EKATBD 040398		EKATBD 040511	EKATBD 040569	EKATBD 040625	
Generator	Output	STANDBY	KVA	375	438	500	563	625	688	
			KW	300	350	400	450	500	550	
		PRIME POWER	KVA		398		511	569	625	
			KW		318		409	455	500	
	Voltage		V	120~480						
	Frequency		HZ	60						
	Rated Speed		RPM	1800						
	Phase			3						
	Power Factor		PF	0.8 Lagging						
Diesel Engine	Engine Brand			BAUDOUIN						
	Engine Type			6M16G308/6	6M21G390/6	6M21G400/6	6M26G500/6	6M33G575/6		
	Emission Standard			--	--	--	EPA Tier II			
	Combustion System			4-Stroke Unit Injector Direct Injection		4-stroke Unit Injector Direct Injection ECU Governor	4-Stroke Unit Injector Direct Injection			
	No. of Cylinders			6						
	Bore × Stroke		mm	126 x 130	127 x 165		150 x 150	150 x 185		
	Displacement		L	9.726	12.54		15.9	19.6		
	Piston Speed		m/s	7.8	9.9		9.0	11.1		
	Compression Ratio			17.0:1	16.0:1		15.7:1	15.0:1		
	Output	STANDBY	KW	360	448	460	556	633		
		PRIME POWER	KW		407		506	575		
	Rated Speed			RPM	1800					
	Lubricating Oil Capacity				30 L	32 L		55 L	64 L	
	Starting System				DC 24V electric starting					
	Cooling System				Radiator water-cooled type					
Battery				12V 150AH x 2	12V 200AH x 2					
Performance	Voltage Regulation			Within ±1%						
	Frequency Regulation			Within 1%						
	Voltage Adjustment Range			±10%						
Dimensions	Length		mm	3200	3300	3300	3800	3900	4000	
	Width		mm	1200	1300	1300	1600	1750	1750	
	Height		mm	1600	1700	1700	1900	2200	2200	
	Approx Weight		kg	2700	3000	3200	4600	5100	5200	
Fuel Tank		Capacity	L	400	400	500	600	600	700	

Diesel Engine Generator Set — Standard Specifications

Model				TEG-600S	TEG-650S	TEG-800S	TEG-900S	TEG-1000S	TEG-1250S				
Product No		STANDBY		EKBTBD 040750	EKBTBD 040813	EKBTBD 041000	EKBTBD 041125	EKBTBD 041250	EKBTBD 041563				
		PRIME POWER				EKATBD 040909	EKATBD 041023						
Generator	Output	STANDBY	KVA	750	813	1000	1125	1250	1563				
			KW	600	650	800	900	1000	1250				
		PRIME POWER	KVA			909	1023						
			KW			727	818						
	Voltage			V						120~480			
	Frequency			HZ						60			
	Rated Speed			RPM						1800			
	Phase									3			
	Power Factor			PF						0.8 Lagging			
	Diesel Engine	Engine Brand			BAUDOUIN								
Engine Type			6M33G633/6	6M33G660/6	12M26G800/6	12M26G900/6	12M26G1000/6	12M33G1300/6					
Emission Standard			EPA Tier II										
Combustion System			4-Stroke Unit Injector Direct Injection	4-Stroke Unit Injector Direct Injection ECU Governor	4-Stroke Unit Injector Direct Injection								
No. of Cylinders			6		12V								
Bore × Stroke			mm		150 x 185			150 x 150		150 x 185			
Displacement			L		19.6			31.8			39.2		
Piston Speed			m/s		11.1			9.0			11.1		
Compression Ratio			15.0:1		15.7:1			15.0:1					
Output		STANDBY	KW	710	740	902	1012	1115	1420				
		PRIME POWER	KW			820	920						
Rated Speed			RPM						1800				
Lubricating Oil Capacity			64 L		114 L			160 L					
Starting System			DC 24V electric starting										
Cooling System			Radiator water-cooled type										
Battery			12V 200AH x 2						12V 150AH x 4				
Performance		Voltage Regulation			Within ±1%								
	Frequency Regulation			Within 1%									
	Voltage Adjustment Range			±10%									
Dimensions	Length			mm		4000		4000		4500	4600	4600	5100
	Width			mm		1800		1800		2200	2200	2200	2300
	Height			mm		2400		2400		2600	2700	2700	2700
	Approx Weight			kg		5400		5500		7600	7700	7900	10000
Fuel Tank	Capacity			L		700		700		900	950	950	950

Diesel Engine Generator Set — Standard Specifications

Model				TEG-1500S	TEG-1650S	TEG-1750S	TEG-2000S
Product No		STANDBY		EKBTBD 041875	EKBTBD 042063	EKBTBD 042188	EKBTBD 042500
		PRIME POWER		EKATBD 041705	EKATBD 041863		EKATBD 042273
Generator	Output	STANDBY	KVA	1875	2063	2188	2500
			KW	1500	1650	1750	2000
		PRIME POWER	KVA	1705	1863		2273
			KW	1364	1490		1818
	Voltage		V	120~480			
	Frequency		HZ	60			
	Rated Speed		RPM	1800			
	Phase			3			
	Power Factor		PF	0.8 Lagging			
Diesel Engine	Engine Brand			BAUDOUIN			
	Engine Type			16M33G1500/6	16M33G1650/6	16M33G1750/6	12M55G2000/6
	Emission Standard			EPA Tier II			--
	Combustion System			4-Stroke Unit Injector Direct Injection ECU Governor			
	No. of Cylinders			16V			12V
	Bore × Stroke			mm 150 x 185			180 x 215
	Displacement			L 52.3			65.65
	Piston Speed			m/s 11.1			12.9
	Compression Ratio			15.0:1			16.5:1
	Output	STANDBY	KW	1680	1785	1920	2230
		PRIME POWER	KW	1530	1625		2050
	Rated Speed			RPM 1800			
	Lubricating Oil Capacity			175 L			560 L
	Starting System			DC 24V electric starting			
	Cooling System			Radiator water-cooled type			
	Battery			12V 150AH x 4			12V 200AH x 4
Performance	Voltage Regulation			Within ±1%			
	Frequency Regulation			Within 1%			
	Voltage Adjustment Range			±10%			
Dimensions	Length			mm 5800	5800	5800	6200
	Width			mm 2400	2400	2400	2900
	Height			mm 3200	3200	3200	3200
	Approx Weight			kg 13200	13200	13800	18500
Fuel Tank		Capacity	L 950	950	950	950	

★ Note:

1. The **Standby** output rating is based on the DIN 6270B standard, applicable for emergency backup generator use.

2. The **Prime Power** output rating is based on the DIN 6270A standard, applicable for continuous main power supply operation.

3. **EKBTBD** represents the 5th and 6th digits of the product code, designated as follows:

BD – Open type
 BW – Weatherproof type
 BS – Soundproof type
 BC – Heat exchanger type
 BX – Remote radiator type
 BY – Soundproof heat exchanger type
 BZ – Soundproof remote radiator type
 BT – Trailer type
 BL – Soundproof trailer type

4. Specifications are subject to change without prior notice.

Diesel Engine Generator Set — Standard Specifications

Model				TEG-20S	TEG-30S	TEG-40S	TEG-50S	TEG-60S	TEG-80S	TEG-100S	TEG-100S
Product No		STANDBY		EKBTEU 040025	EKBTEU 040038	EKBTEU 040050	EKBTEU 040063	EKBTEU 040075	EKBTEU 040100	EKBTEU 040125	EKBTEU 040125
		PRIME POWER		EKATEU 040023	EKATEU 040034	EKATEU 040045	EKATEU 040056	EKATEU 040069	EKATEU 040091	EKATEU 040114	EKATEU 040114
Generator	Output	STANDBY	KVA	25	38	50	63	75	100	125	125
			KW	20	30	40	50	60	80	100	100
		PRIME POWER	KVA	23	34	45	56	69	91	114	114
			KW	18	27	36	45	55	73	91	91
	Voltage		V	120~480							
	Frequency		HZ	60							
	Rated Speed		RPM	1800							
	Phase			3							
Power Factor		PF	0.8 Lagging								
Diesel Engine	Engine Brand			DEUTZ							
	Engine Type			BFM3G1	BFM3G2	BFM3T	BFM3C	BF4M2012	BF4M2012CG2	BF4M1013ECG2	BF4M1013FC
	Emission Standard			EU Stage II							
	Combustion System			4-stroke unit pump direct injection							
	Governor Type			Mechanical					Electronic		ECU
	No. of Cylinders			L4							
	Bore × Stroke		mm	98 × 105				101 × 126		108 × 130	
	Displacement		L	3.168				4.04		4.76	
	Piston Speed		m/s	6.3				7.56		7.8	
	Compression Ratio			18.5:1				19:1	18.1:1	19:1	18.1:1
	Output	STANDBY	KW	28	38	50	60	70	108	125	136
		PRIME POWER	KW	25	34	45	55	63	99	115	124
	Rated Speed		RPM	1800							
	Lubricating Oil Capacity			7.5 L				8.5 L		11 L	
	Starting System			DC 24V electric starting							
	Cooling System			Radiator water-cooled type							
Battery			12V 120AH x 1				12V 120AH x 2				
Performance	Voltage Regulation			Within ±1%							
	Frequency Regulation			Within 5%					Within 1%		
	Voltage Adjustment Range			±10%							
Dimensions	Length		mm	1680	1680	1680	1780	1900	2000	2120	2120
	Width		mm	650	650	650	730	720	850	900	900
	Height		mm	1080	1080	1270	1270	1300	1300	1380	1500
	Approx Weight		kg	750	780	820	850	900	1200	1400	1500
Fuel Tank		Capacity	L	90	90	90	90	150	150	150	150

Diesel Engine Generator Set — Standard Specifications

Model				TEG-125S	TEG-150S	TEG-150S	TEG-175S	TEG-200S	
Product No		STANDBY		EKBTEU 040156	EKATEU 040188	EKBTEU 040188	EKBTEU 040219	EKBTEU 040250	
		PRIME POWER		EKATEU 040143	EKATEU 040170	EKATEU 040170	EKATEU 040199	EKATEU 040228	
Generator	Output	STANDBY	KVA	156	188	188	219	250	
			KW	125	150	150	175	200	
		PRIME POWER	KVA	143	170	170	199	228	
			KW	114	136	136	159	182	
	Voltage			V	120~480				
	Frequency			HZ	60				
	Rated Speed			RPM	1800				
	Phase				3				
	Power Factor			PF	0.8 Lagging				
Diesel Engine	Engine Brand			DEUTZ					
	Engine Type			BF6M1013EC	BF6M1013ECG2	BF6M1013FCG2	BF6M1013FCG2	BF6M1013FCG3	
	Emission Standard			EU Stage II					
	Combustion System			4-stroke unit pump direct injection					
	Governor Type			Mechanical	Electronic	Microcomputer-based Electronic Control			
	No. of Cylinders			L6					
	Bore × Stroke			mm	108 × 130				
	Displacement			L	7.15				
	Piston Speed			m/s	7.8				
	Compression Ratio			19:1					
	Output	STANDBY	KW	163	197	204	204	224.9	
		PRIME POWER	KW	155	181	186	186	204	
	Rated Speed			RPM	1800				
	Lubricating Oil Capacity			20 L		31 L			
	Starting System			DC 24V electric starting					
	Cooling System			Radiator water-cooled type					
	Battery			12V 120AH x 2					
Performance	Voltage Regulation			Within ±1%					
	Frequency Regulation			Within 5%	Within 1%				
	Voltage Adjustment Range			±10%					
Dimensions	Length			mm	2500	2600	2500	2600	2600
	Width			mm	1000	1000	1000	1000	1000
	Height			mm	1520	1520	1580	1580	1580
	Approx Weight			kg	1600	1700	1700	1800	1900
Fuel Tank		Capacity	L	150	200	200	200	300	

★ Note:

1. The **Standby** output rating is based on the DIN 6270B standard, applicable for emergency backup generator use.

2. The **Prime Power** output rating is based on the DIN 6270A standard, applicable for continuous main power supply operation.

3. **EKBTCM** represents the 5th and 6th digits of the product code, designated as follows:

EU – Open type
EW – Weatherproof type
ES – Soundproof type
EC – Heat exchanger type
EX – Remote radiator type
EY – Soundproof heat exchanger type
EZ – Soundproof remote radiator type
ET – Trailer type
EL – Soundproof trailer type

4. Specifications are subject to change without prior notice.

Diesel Engine Generator Set — Standard Specifications

Model				TEG - 700S		TEG - 800S		TEG - 900S			
Product No		STANDBY		EKBTTU 040875		EKBTTU 041000		EKBTTU 041125			
		PRIME POWER		EKATTU 040795		EKATTU 040909		EKATTU 041023			
Generator	Output	STANDBY	KVA	875		1000		1125			
			KW	700		800		900			
		PRIME POWER	KVA	795		909		1023			
			KW	636		727		818			
	Voltage			V	120~480						
	Frequency			HZ	60						
	Rated Speed			RPM	1800						
	Phase				3						
	Power Factor			PF	0.8 Lagging						
	Diesel Engine	Engine Brand			MTU						
Engine Type			12V 2000 G45		12V 2000 G85		16V 2000 G45				
Emission Standard			EPA Tier II								
Combustion System			4-stroke electronically controlled direct injection								
No. of Cylinders			V12		V12		V16				
Bore × Stroke			mm		130 x 150						
Displacement			L		23.88		23.88		31.84		
Piston Speed			m/s		9.0						
Compression Ratio			16:1								
Output		STANDBY	KW	780		890		1010			
		PRIME POWER	KW	710		810		915			
Rated Speed			RPM		1800						
Lubricating Oil Capacity			77 L		77 L		102 L				
Starting System			DC 24V electric starting								
Cooling System			Radiator water-cooled type								
Battery			12V 200AH x 2								
Performance		Voltage Regulation			Within ±1%						
	Frequency Regulation			Within 1%							
	Voltage Adjustment Range			±10%							
Dimensions	Length			mm		4400		4400		4800	
	Width			mm		1500		1500		1800	
	Height			mm		2300		2300		2500	
	Approx Weight			kg		5800		6000		7300	
Fuel Tank		Capacity	L	900		900		1150			

Diesel Engine Generator Set — Standard Specifications

Model				TEG - 1000S		TEG - 1200S	
Product No		STANDBY		EKBTTU 041250		EKBTTU 041500	
		PRIME POWER		EKATTU 041136		EKATTU 041364	
Generator	Output	STANDBY	KVA	1250		1500	
			KW	1000		1200	
		PRIME POWER	KVA	1136		1364	
			KW	909		1091	
	Voltage		V	120~480			
	Frequency		HZ	60			
	Rated Speed		RPM	1800			
	Phase			3			
	Power Factor		PF	0.8 Lagging			
Diesel Engine	Engine Brand			MTU			
	Engine Type			16V 2000 G85		18V 2000 G85	
	Emission Standard			EPA Tier II			
	Combustion System			4-Stroke ECU direct injection			
	No. of Cylinders			V16		V18	
	Bore × Stroke		mm	130 x 150			
	Displacement		L	31.84		35.82	
	Piston Speed		m/s	9.0			
	Compression Ratio			16:1			
	Output	STANDBY	KW	1115		1310	
		PRIME POWER	KW	1010		1191	
	Rated Speed		RPM	1800			
	Lubricating Oil Capacity			102 L		130 L	
	Starting System			DC 24V electric starting			
	Cooling System			Radiator water-cooled type			
	Battery			12V 200AH x 2			
Performance	Voltage Regulation			Within ±1%			
	Frequency Regulation			Within 1%			
	Voltage Adjustment Range			±10%			
Dimensions	Length		mm	5000		5400	
	Width		mm	1800		1800	
	Height		mm	2500		2500	
	Approx Weight		kg	7700		8500	
Fuel Tank		Capacity	L	1200		1400	

★ Note:

1.The **Standby** output rating is based on the DIN 6270B standard, applicable for emergency backup generator use.

2.The **Prime Power** output rating is based on the DIN 6270A standard, applicable for continuous main power supply operation.

3.**EKBTCM** represents the 5th and 6th digits of the product code, designated as follows:

TU – Open type
TW – Weatherproof type
TS – Soundproof type
TC – Heat exchanger type
TX – Remote radiator type
TY – Soundproof heat exchanger type
TZ – Soundproof remote radiator type
TT – Trailer type
TL – Soundproof trailer type

4.Specifications are subject to change without prior notice.

Diesel Engine Generator Set — Standard Specifications

Model				TEG-250S	TEG-275S	TEG-300S	TEG-350S	TEG-400S	TEG-450S	TEG-500S	TEG-600S
Product No		STANDBY		EKBTCM 040313	EKBTCM 040344	EKBTCM 040375	EKBTCM 040438	EKBTCM 040500	EKBTCM 040563	EKBTCM 040625	EKBTCM 040750
		PRIME POWER		EKATCM 040284	EKATCM 040313	EKATCM 040341	EKATCM 040398	EKATCM 040455	EKATCM 040511	EKATCM 040569	EKATCM 040681
Generator	Output	STANDBY	KVA	313	344	375	438	500	563	625	750
			KW	250	275	300	350	400	450	500	600
		PRIME POWER	KVA	284	313	341	398	455	511	569	681
			KW	227	250	273	318	364	409	455	545
	Voltage		V	120~480							
	Frequency		HZ	60							
	Rated Speed		RPM	1800							
	Phase			3							
	Power Factor		PF	0.8 Lagging							
	Diesel Engine	Engine Brand			CUMMINS						
Engine Type			NTA855-G1		NTA855-G2	NTA855-G3	KTA19-G2	KTA19-G3	KTA19-G4	KTAA19-G7	
Combustion System			4-Stroke direct injection								
No. of Cylinders			6 cylinders								
Bore × Stroke		mm	140x152				159x159				
Displacement		L	14				18.9				
Piston Speed		m/s	9.12				9.54				
Compression Ratio			14.5:1		14.0:1		13.9:1			13.0:1	
Output		STANDBY	KW	317	317	347	399	448	511	563	664
		PRIME POWER	KW	287	287	313	358	392	463	507	597
Rated Speed		RPM	1800								
Lubricating Oil Capacity			38.6 L				50 L				
Starting System			DC 24V electric starting								
Cooling System			Radiator water-cooled type								
Battery			12V 150AH x 2								
Performance	Voltage Regulation			Within ±1%							
	Frequency Regulation			Within 1%							
	Voltage Adjustment Range			±10%							
Dimensions	Length		mm	3200	3200	3200	3200	3500	3500	3600	3800
	Width		mm	1300	1300	1300	1300	1500	1500	1500	2000
	Height		mm	2000	2000	2000	2000	2200	2200	2200	2500
	Approx Weight		kg	3100	3100	3200	3300	4300	4500	4600	4900
Fuel Tank		Capacity	L	300	300	400	400	500	600	600	800

Diesel Engine Generator Set — Standard Specifications

Model				TEG-660S	TEG-750S	TEG-800S	TEG-900S	TEG-1000S
Product No		STANDBY		EKBTCM 040825	EKBTCM 040938	EKBTCM 041000	EKBTCM 041125	EKBTCM 041250
		PRIME POWER		EKATCM 040750	EKATCM 040853	EKATCM 040909	EKATCM 041023	EKATCM 041136
Generator	Output	STANDBY	KVA	825	938	1000	1125	1250
			KW	660	750	800	900	1000
		PRIME POWER	KVA	750	853	909	1023	1136
			KW	600	682	727	818	909
	Voltage		V	120~480				
	Frequency		HZ	60				
	Rated Speed		RPM	1800				
	Phase			3				
	Power Factor		PF	0.8 Lagging				
Diesel Engine	Engine Brand			CUMMINS				
	Engine Type			KT38-G	KTA38-G	KTA38-G2	KTA38-G2A	KTA38-G4
	Combustion System			4-Stroke direct injection				
	No. of Cylinders			V12				
	Bore × Stroke		mm	159x159				
	Displacement		L	37.8			38	37.8
	Piston Speed		m/s	9.54				
	Compression Ratio			15.5:1	15.5:1	14.5:1	14.5:1	13.9:1
	Output	STANDBY	KW	747	835	895	1007	1112
		PRIME POWER	KW	679	759	809	916	1007
	Rated Speed		RPM	1800				
	Lubricating Oil Capacity			135 L			129.5 L	135 L
	Starting System			DC 24V electric starting				
	Cooling System			Radiator water-cooled type				
	Battery			12V 200AH x 2				
Performance	Voltage Regulation			Within ±1%				
	Frequency Regulation			Within 1%				
	Voltage Adjustment Range			±10%				
Dimensions	Length		mm	4600	4600	4600	4700	4700
	Width		mm	1900	1900	1900	2000	2200
	Height		mm	2800	2800	2800	2800	2800
	Approx Weight		kg	7500	7500	7800	8300	8700
Fuel Tank		Capacity	L	800	900	900	950	950

★ Note:

1. The **Standby** output rating is based on the DIN 6270B standard, applicable for emergency backup generator use.

2. The **Prime Power** output rating is based on the DIN 6270A standard, applicable for continuous main power supply operation.

3. **EKBTCM** represents the 5th and 6th digits of the product code, designated as follows:

- CM – Open type
- CW – Weatherproof type
- CS – Soundproof type
- CC – Heat exchanger type
- CX – Remote radiator type
- CY – Soundproof heat exchanger type
- CZ – Soundproof remote radiator type
- CT – Trailer type
- CL – Soundproof trailer type

4. Specifications are subject to change without prior notice.

Diesel Engine Generator Set — Standard Specifications

Model				TEG-60S	TEG-80S	TEG-100S	TEG-125S	TEG-150S	TEG-175S	TEG-200S	TEG-250S	TEG-285S
Product No		STANDBY		EKBTCM 040075	EKBTCM 040100	EKBTCM 040125	EKBTCM 040156	EKBTCM 040188	EKBTCM 040219	EKBTCM 040250	EKBTCM 040313	EKBTCM 040356
		PRIME POWER		EKATCM 040069	EKATCM 040091	EKATCM 040114	EKATCM 040143	EKATCM 040170	EKATCM 040199	EKATCM 040228	EKATCM 040284	EKATCM 040324
Generator	Output	STANDBY	KVA	75	100	125	156	188	219	250	313	356
			KW	60	80	100	125	150	175	200	250	285
		PRIME POWER	KVA	69	91	114	143	170	199	228	284	324
			KW	55	73	91	114	136	159	182	227	259
	Voltage		V	120~480								
	Frequency		HZ	60								
	Rated Speed		RPM	1800								
	Phase			3								
	Power Factor		PF	0.8 Lagging								
Diesel Engine	Engine Brand			CUMMINS								
	Engine Type			QSB5-G1	QSB5-G3	QSB5-G5	QSB5-G6	QSB7-G3	QSB7-G4	QSB7-G5	QSL9-G3	NT855-G6
	Emission Standard			EPA Tier III								--
	Combustion System			4-Stroke ECU Direct Injection								4-Cycle Direct Injection
	No. of Cylinders			4				6				
	Bore × Stroke			mm 107x124							114x145	140x152
	Displacement			L 4.5 L				6.69 L			8.8 L	14 L
	Piston Speed			m/s 7.44							8.7	9.12
	Compression Ratio			17.3:1				17.2:1			17.8:1	14.0:1
	Output	STANDBY	KW	88	108	131	155	186	214	242	297	325
		PRIME POWER	KW	74	94	113	136	163	184	208	262	295
	Rated Speed			RPM 1800								
	Lubricating Oil Capacity			12.2 L			12.1 L	18.9 L			26.5 L	38.6 L
	Starting System			DC 24V electric starting								
	Cooling System			Radiator water-cooled type								
	Battery			12V 120AH x 2					12V 150AH x 2			
Performance	Voltage Regulation			Within ±1%								
	Frequency Regulation			Within 1%								
	Voltage Adjustment Range			±10%								
Dimensions	Length			mm 2400	2400	2500	2500	2600	2700	2800	3000	3150
	Width			mm 1200	1200	1200	1200	1200	1200	1200	1300	1300
	Height			mm 1600	1600	1600	1600	1600	1600	1600	2000	2250
	Approx Weight			kg 1050	1050	1150	1300	1500	1600	1700	2300	3000
Fuel Tank		Capacity	L 150	150	150	150	200	200	300	300	300	

Diesel Engine Generator Set — Standard Specifications

Model				TEG-300S	TEG-350S	TEG-400S	TEG-500S	TEG-550S	TEG-600S
Product No		STANDBY		EKBTCM 040375	EKBTCM 040438	EKBTCM 040500	EKBTCM 040625	EKBTCM 040688	EKBTCM 040750
		PRIME POWER		EKATCM 040341	EKATCM 040398	EKATCM 040455	EKATCM 040569	EKATCM 040625	EKATCM 040681
Generator	Output	STANDBY	KVA	375	438	500	625	688	750
			KW	300	350	400	500	550	600
		PRIME POWER	KVA	341	398	455	569	625	681
			KW	273	318	364	455	500	545
	Voltage		V	120 ~ 480					
	Frequency		HZ	60					
	Rated Speed		RPM	1800					
	Phase			3					
Power Factor		PF	0.8 Lagging						
Diesel Engine	Engine Brand			CUMMINS					
	Engine Type			QSL9-G7	NTA855-G3	QSX15-G8	QSX15-G9	QSK19-G4	QSK19-G5
	Emission Standard			EPA Tier III	-	EPA Tier II			
	Combustion System			4-Stroke ECU Direct Injection	4-Stroke Direct Injection	4-Stroke ECU Direct Injection			
	No. of Cylinders			6					
	Bore × Stroke		mm	114x145	140x152	137x169		159x159	
	Displacement		L	8.9	14	15		18.9	
	Piston Speed		m/s	8.7	9.12	10.14		9.54	
	Compression Ratio			16.1:1	14.0:1	17.0:1		15.0:1	
	Output	STANDBY	KW	346	399	455	563	634	669
		PRIME POWER	KW	312	358	414	507	559	608
	Rated Speed		RPM	1800					
	Lubricating Oil Capacity			34 L	38.6 L	91 L	91 L	84.4 L	
	Starting System			DC 24V electric starting					
	Cooling System			Radiator water-cooled type					
Battery			12V 150AH x 2						
Performance	Voltage Regulation			Within ±1%					
	Frequency Regulation			Within 1%					
	Voltage Adjustment Range			±10%					
Dimensions	Length		mm	3150	3200	3500	3500	3800	3800
	Width		mm	1300	1300	1500	1500	1700	1700
	Height		mm	2000	2300	2400	2400	2500	2500
	Approx Weight		kg	2500	3300	3500	3700	4600	4600
Fuel Tank		Capacity	L	400	400	500	600	700	700

★ Note:

1. The **Standby** output rating is based on the DIN 6270B standard, applicable for emergency backup generator use.

2. The **Prime Power** output rating is based on the DIN 6270A standard, applicable for continuous main power supply operation.

3. **EKBTCM** represents the 5th and 6th digits of the product code, designated as follows:

CM – Open type
 CW – Weatherproof type
 CS – Soundproof type
 CC – Heat exchanger type
 CX – Remote radiator type
 CY – Soundproof heat exchanger type
 CZ – Soundproof remote radiator type
 CT – Trailer type
 CL – Soundproof trailer type

4. Specifications are subject to change without prior notice.

Diesel Engine Generator Set — Standard Specifications

Model				TEG-600S	TEG-750S	TEG-800S	TEG-900S	TEG-1000S	TEG-1250S	TEG-1250S	TEG-1500S	
Product No		STANDBY	EKATCM 040750	EKBTM 040938	EKBTM 041000	EKBTM 041125	EKBTM 041250	EKBTM 041563	EKBTM 041563	EKBTM 041875		
		PRIME POWER	EKATCM 040681	EKATCM 040853	EKATCM 040909	EKATCM 041023	EKATCM 041136	EKATCM 041420	EKATCM 041420	EKATCM 041705		
Generator	Output	STANDBY	KVA	750	938	1000	1125	1250	1563	1563	1875	
			KW	600	750	800	900	1000	1250	1250	1500	
		PRIME POWER	KVA	681	853	909	1023	1136	1420	1420	1705	
			KW	545	682	727	818	909	1136	1136	1364	
	Voltage		V	120~480								
	Frequency		HZ	60								
	Rated Speed		RPM	1800								
	Phase			3								
	Power Factor		PF	0.8 Lagging								
	Diesel Engine	Engine Brand			CUMMINS							
Engine Type			VTA28-G5	QSK23-G6	QSK23-G7	QST30-G3	QST30-G5	QSK38-G4	KTA50-G3	KTA50-G9		
Emission Standard			-	EPA Tier II		-	EPA Tier II		-	EPA Tier I		
Combustion System			4-Stroke Direct Injection	4-Stroke ECU Direct Injection					4-Cycle Direct Injection			
No. of Cylinders			12	6		12			16			
Bore × Stroke			mm	140x152	170x170		140x165		159x159			
Displacement			L	28	23.15		30.48		37.7	50.3		
Piston Speed			m/s	9.12	10.2		9.9		9.54	9.54		
Compression Ratio				13.0:1	16.0:1		14.0:1	14.7:1	15.0:1	13.9:1	13.9:1	
Output		STANDBY	KW	671	854	910	1007	1112	1376	1380	1655	
		PRIME POWER	KW	608	768	809	910	1007	1231	1220	1383	
Rated Speed			RPM	1800								
Lubricating Oil Capacity				83 L	143 L		154 L		170.3 L	177 L	204 L	
Starting System				DC 24V electric starting								
Cooling System				Radiator water-cooled type								
Battery				12V 150AH x 2	12V 200AH x 2			12V150AH x 4				
Performance	Voltage Regulation			Within ±1%								
	Frequency Regulation			Within 1%								
	Voltage Adjustment Range			±10%								
Dimensions	Length			mm	3900	4500	4500	4500	4500	5100	5200	5500
	Width			mm	1800	1800	1800	2100	2100	2300	2100	2300
	Height			mm	2500	2500	2500	2700	2700	3000	2650	2700
	Approx Weight			kg	5800	6400	6400	7000	7200	10500	11000	11500
Fuel Tank		Capacity	L	700	900	900	950	950	950	950	950	

Diesel Engine Generator Set — Standard Specifications

Model				TEG-1500S	TEG-1600S	TEG-1875S	TEG-2000S	TEG-2000S	TEG-2500S	TEG-2750S	
Product No		STANDBY		EKBTCM 041875	EKBTCM 042000	EKBTCM 042344	EKBTCM 042500	EKBTCM 042500	EKBTCM 043125	EKBTCM 043438	
		PRIME POWER		EKBTCM 041705	EKATCM 041819	EKATCM 042131	EKATCM 042273	EKATCM 042273	EKATCM 042841	EKATCM 043125	
Generator	Output	STANDBY	KVA	1875	2000	2344	2500	2500	3125	3438	
			KW	1500	1600	1875	2000	2000	2500	2750	
		PRIME POWER	KVA	1705	1819	2131	2273	2273	2841	3125	
			KW	1364	1455	1705	1818	1818	2273	2500	
	Voltage		V	120~480							
	Frequency		HZ	60							
	Rated Speed		RPM	1800							
	Phase			3							
	Power Factor		PF	0.8 Lagging							
Diesel Engine	Engine Brand			CUMMINS							
	Engine Type			QSK50G4	QSK50-G6	QSK60-G10	QSK60-G6	QSK60-G6	QSK78-G7	QSK78-G8	
	Emission Standard			EPA Tier II				-	EPA Tier I		
	Combustion System			4-Stroke ECU Direct Injection							
	No. of Cylinders			16						18	
	Bore × Stroke		mm	159x159		159x190			170x190		
	Displacement		L	50.3		60.2			77.6		
	Piston Speed		m/s	9.54		11.4			11.4		
	Compression Ratio			15.0:1		14.5:1			15.3:1	15.5:1	
	Output	STANDBY	KW	1656	1750	2032	2180	2179	2763	3028	
		PRIME POWER	KW	1470	1575	1830	1975	1975	2502	2737	
	Rated Speed		RPM	1800							
	Lubricating Oil Capacity			234.7 L		280 L		261 L	465.6 L		
	Starting System			DC 24V electric starting							
	Cooling System			Radiator water-cooled type							
	Battery			12V150AH x 4	12V200AH x 4						
Performance	Voltage Regulation			Within ±1%							
	Frequency Regulation			Within 1%							
	Voltage Adjustment Range			±10%							
Dimensions	Length		mm	5800	6200	6000	6000	6000	6800	6800	
	Width		mm	2300	2600	2400	2400	2400	2800	2800	
	Height		mm	2900	3300	3100	3100	3100	3650	3650	
	Approx Weight		kg	12000	13000	17000	17000	17000	21000	21000	
Fuel Tank		Capacity	L	950	950	950	950	950	950	950	

Diesel Engine Generator Set — Standard Specifications

Model				TEG-88S	TEG-100S	TEG-125S	TEG-150S	TEG-175S	TEG-200S	TEG-250S	TEG-300S	TEG-350S
Product No			STANDBY	EKBDTH 040110	EKBDTH 040125	EKBDTH 040156	EKBDTH 040188	EKBDTH 040219	EKBDTH 040250	EKBDTH 040313	EKBDTH 040375	EKBDTH 040438
			PRIME POWER	EKATDH 040100	EKATDH 040114	EKATDH 040143	EKATDH 040170	EKATDH 040199	EKATDH 040228	EKATDH 040284	EKATDH 040341	EKATDH 040398
Generator	Output	STANDBY	KVA	110	125	156	188	219	250	313	375	438
			KW	88	100	125	150	175	200	250	300	350
		PRIME POWER	KVA	100	114	143	170	199	228	284	341	398
			KW	80	91	114	136	159	182	227	273	318
	Voltage			V	120~480							
	Frequency			HZ	60							
	Rated Speed			RPM	1800							
	Phase				3							
	Power Factor			PF	0.8 Lagging							
	Diesel Engine	Engine Brand			HYUNDAI							
Engine Type			D1146	D1146T	D1146T	P086TI-1	P086TI	DP086LA	P126TI	P126TI-II	DP126LB	
Emission Standard			--				EC-II	--	EC-II	--		
Combustion System			4-Stroke Direct Injection									
No. of Cylinders			6									
Bore × Stroke			mm 111x139						123x155			
Displacement			L 8.071						11.051			
Piston Speed			m/s 8.34						9.3			
Compression Ratio			17.5:1	16.7:1	16.7:1	16.4:1	16.4:1	16.7:1	17.1:1		17.2:1	
Output		STANDBY	KW	105	149	149	191	223	253	298	342	402
		PRIME POWER	KW	96	125	125	174	205	228	278	307	366
Rated Speed			RPM 1800									
Lubricating Oil Capacity			15.5 L						23 L		44 L	
Starting System			DC 24V electric starting									
Cooling System			Radiator water-cooled type									
Battery			12V 120AH x 2				12V 150AH x 2					12V 200AH x 2
Performance	Voltage Regulation			Within ±1%								
	Frequency Regulation			Within 5%		Within 1%						
	Voltage Adjustment Range			±10%								
Dimensions	Length			mm 2400 2400 2500 2700 2700 2700 3000 3000 3300								
	Width			mm 850 900 900 1000 1000 1000 1150 1150 1300								
	Height			mm 1450 1500 1500 1600 1600 1600 1600 1600 1800								
	Approx Weight			kg 1450 1700 1800 1900 2000 2000 2500 2600 3000								
Fuel Tank		Capacity	L	150	150	150	200	200	300	300	400	400

Diesel Engine Generator Set — Standard Specifications

Model				TEG-400S	TEG-450S	TEG-500S	TEG-550S	TEG-600S	TEG-650S	TEG-700S	TEG-750S
Product No		STANDBY		EKBTDH 040500	EKBTDH 040563	EKBTDH 040625	EKBTDH 040688	EKBTDH 040750	EKBTDH 040813	EKBTDH 040875	EKBTDH 040938
		PRIME POWER		EKATDH 040455	EKATDH 040511	EKATDH 040569	EKATDH 040625	EKATDH 040681	EKATDH 040739	EKATDH 040795	EKATDH 040853
Generator	Output	STANDBY	KVA	500	563	625	688	750	813	875	938
			KW	400	450	500	550	600	650	700	750
		PRIME POWER	KVA	455	511	569	625	681	739	795	853
			KW	364	409	455	500	545	591	636	682
	Voltage		V	120~480							
	Frequency		HZ	60							
	Rated Speed		RPM	1800							
	Phase			3							
Power Factor		PF	0.8 Lagging								
Diesel Engine	Engine Brand			HYUNDAI							
	Engine Type			P158LE	DP158LC	DP158LD	DP180LA	DP180LB	DP222LA	DP222LB	DP222LC
	Emission Standard			-							
	Combustion System			4-Stroke Direct Injection							
	No. of Cylinders			8			10		12		
	Bore × Stroke mm			128x142							
	Displacement L			14.618			18.273		21.927		
	Piston Speed m/s			8.52							
	Compression Ratio			15.0:1							
	Output	STANDBY	KW	458	513	556	615	661	737	782	828
		PRIME POWER	KW	402	466	505	559	601	670	711	753
	Rated Speed RPM			1800							
	Lubricating Oil Capacity			21 L	22 L		34 L		40 L		
	Starting System			DC 24V electric starting							
	Cooling System			Radiator water-cooled type							
	Battery			12V 200AH x 2							
Performance	Voltage Regulation			Within ±1%							
	Frequency Regulation			Within 1%							
	Voltage Adjustment Range			±10%							
Dimensions	Length mm			3100	3100	3200	3400	3400	3700	3700	3700
	Width mm			1450	1450	1450	1450	1450	1650	1650	1650
	Height mm			1900	1900	1900	2100	2100	2400	2400	2400
	Approx Weight kg			3100	3300	3400	3800	3800	4300	4500	4600
Fuel Tank		Capacity L	500	600	600	700	700	700	800	900	

★ Note:

1. The **Standby** output rating is based on the DIN 6270B standard, applicable for emergency backup generator use.

2. The **Prime Power** output rating is based on the DIN 6270A standard, applicable for continuous main power supply operation.

3. **EKBTDH** represents the 5th and 6th digits of the product code, designated as follows:

DH – Open type

DW – Weatherproof type

DS – Soundproof type

DC – Heat exchanger type

DX – Remote radiator type

DY – Soundproof heat exchanger type

DZ – Soundproof remote radiator type

DT – Trailer type

DL – Soundproof trailer type

4. Specifications are subject to change without prior notice.

Diesel Engine Generator Set — Standard Specifications

Model				TEG-50S	TEG-80S	TEG-100S	TEG-125S	TEG-150S	TEG-175S	TEG-200S	TEG-250S	TEG-275S	TEG-300S	
Product No		STANDBY		EKBTFF 040063	EKBTFF 040100	EKBTFF 040125	EKBTFF 040156	EKBTFF 040188	EKBTFF 040219	EKBTFF 040250	EKBTFF 040313	EKBTFF 040344	EKBTFF 040375	
		PRIME POWER		EKATFF 040056	EKATFF 040091	EKATFF 040114	EKATFF 040143	EKATFF 040170	EKATFF 040199	EKATFF 040228	EKATFF 040284	EKATFF 040313	EKATFF 040341	
Generator	Output	STANDBY	KVA	63	100	125	156	188	219	250	313	344	375	
			KW	50	80	100	125	150	175	200	250	275	300	
		PRIME POWER	KVA	56	91	114	143	170	199	228	284	313	341	
			KW	45	73	91	114	136	159	182	227	250	273	
	Voltage		V	120~480										
	Frequency		HZ	60										
	Rated Speed		RPM	1800										
	Phase			3										
Power Factor		PF	0.8 Lagging											
Diesel Engine	Engine Brand			FPT										
	Engine Type			N45 SM2X	N45 TM2X	N67 TM1X		N67 TE1X	N67 TE3PV	C87 TE3F		C87 TE4F	C13 TE3X	
	Emission Standard			EPA Tier III										
	Combustion System			4-Stroke Direct Injection					4-Stroke ECU Direct Injection					
	No. of Cylinders			6										
	Bore × Stroke		mm	104 x 132						117 x 135			135 x 150	
	Displacement		L	4.5		6.7				8.7			12.9	
	Piston Speed		m/s	7.9		7.9			7.92	8.1			9.0	
	Compression Ratio			17.5:1					16.5:1					
	Output	STANDBY	KW	69	98	148		172	220	290		330	395	
		PRIME POWER	KW	62.8	89	135		156	200	261		297	359	
	Rated Speed		RPM	1800										
	Lubricating Oil Capacity			12.8 L		17 L				28 L			35 L	
	Starting System			DC 12V electric starting						DC 24V electric starting				
	Cooling System			Radiator water-cooled type										
	Battery			12V 120AH x 1					12V 200AH x 1		12V 200AH x 2			
Performance	Voltage Regulation			Within ±1%										
	Frequency Regulation			Within 5%					Within 1%					
	Voltage Adjustment Range			±10%										
Dimensions	Length		mm	1850	2100	2500	2500	2600	2600	2750	2800	3000	3100	
	Width		mm	800	850	900	900	900	900	1200	1200	1200	1400	
	Height		mm	1300	1350	1500	1500	1600	1600	1700	1700	1800	1800	
	Approx Weight		kg	1050	1250	1500	1550	1650	1700	2400	2500	2550	2800	
Fuel Tank		Capacity	L	90	150	150	150	200	200	300	300	300	400	

Diesel Engine Generator Set — Standard Specifications

Model				TEG-30S	TEG-40S	TEG-50S	TEG-80S	TEG-125S	TEG-150S	TEG-300S	TEG-350S
Product No		STANDBY		EKBTFF 040038	EKBTFF 040050	EKBTFF 040063	EKBTFF 040100	EKBTFF 040156	EKBTFF 040188	EKBTFF 040375	EKBTFF 040438
		PRIME POWER		EKATFF 040034	EKATFF 040045	EKATFF 040056	EKATFF 040091	EKATFF 040143	EKATFF 040170	EKATFF 040341	EKATFF 040398
Generator	Output	STANDBY	KVA	38	50	63	100	156	188	375	438
			KW	30	40	50	80	125	150	300	350
		PRIME POWER	KVA	34	45	56	91	143	170	341	398
			KW	27	36	45	73	114	136	273	318
	Voltage		V	120 ~ 480							
	Frequency		HZ	60							
	Rated Speed		RPM	1800							
	Phase			3							
	Power Factor		PF	0.8 Lagging							
Diesel Engine	Engine Brand			FPT							
	Engine Type			N45 AM1A		N45 SM1A	N45 TM2A	N67 TM3A		C13 TE2A	C13 TE3A
	Emission Standard			EU Stage II							
	Combustion System			4-Stroke Direct Injection						4-Stroke ECU Direct Injection	
	No. of Cylinders			4				6			
	Bore × Stroke			mm		104 x 132				135 x 150	
	Displacement			L		4.5		6.7		12.88	
	Piston Speed			m/s		7.9				9.0	
	Compression Ratio			17.5:1						16.5:1	
	Output	STANDBY	KW	52		67	110	172.5		385	423
		PRIME POWER	KW	47.3		61	100.3	156.8		352.2	384.5
	Rated Speed			RPM		1800					
	Lubricating Oil Capacity			12.8 L				17.2 L		35 L	
	Starting System			DC 12V electric starting						DC 24V electric starting	
	Cooling System			Radiator water-cooled type							
	Battery			12V 200AHx1						12V 200AHx2	
Performance	Voltage Regulation			Within ±1%							
	Frequency Regulation			Within 5%						Within 1%	
	Voltage Adjustment Range			± 10%							
Dimensions	Length		mm	1850	1850	1850	2000	2500	2600	3100	3300
	Width		mm	800	800	800	850	900	900	1200	1300
	Height		mm	1250	1250	1300	1350	1500	1500	1800	1800
	Approx Weight		kg	1000	1000	1050	1250	1550	1650	2800	3000
Fuel Tank		Capacity	L	90	90	90	150	150	200	400	400

★ Note:

1. The **Standby** output rating is based on the DIN 6270B standard, applicable for emergency backup generator use.

2. The **Prime Power** output rating is based on the DIN 6270A standard, applicable for continuous main power supply operation.

3. **EKBTFF** represents the 5th and 6th digits of the product code, designated as follows:

FH – Open type
FW – Weatherproof type
FS – Soundproof type
FC – Heat exchanger type
FX – Remote radiator type
FY – Soundproof heat exchanger type
FZ – Soundproof remote radiator type
FT – Trailer type
FL – Soundproof trailer type

4. Specifications are subject to change without prior notice.

Diesel Engine Generator Set — Standard Specifications

Model				TEG-250S	TEG-300S	TEG-350S	TEG-400S	TEG-450S	
Product No		STANDBY		EKBTSN 040313	EKBTSN 040375	EKBTSN 040438	EKBTSN 040500	EKBTSN 040563	
		PRIME POWER		EKATSN 040284	EKATSN 040341	EKATSN 040398	EKATSN 040455	EKATSN 040511	
Generator	Output	STANDBY	KVA	313	375	438	500	563	
			KW	250	300	350	400	450	
		PRIME POWER	KVA	284	341	398	455	511	
			KW	227	273	318	364	409	
	Voltage		V	120~480					
	Frequency		HZ	60					
	Rated Speed		RPM	1800					
	Phase			3					
	Power Factor		PF	0.8 Lagging					
	Diesel Engine	Engine Brand			SCANIA				
Engine Type			DC09 072A 02-12	DC09 072A 02-14	DC13 072A 02-11	DC13 072A 02-12	DC13 093A 02-73		
Emission Standard			EU Stage II						
Combustion System			4-Stroke Unit Injector Direct Injection						
Governor Type			Microcomputer-based electronic control						
No. of Cylinders			L5		L6				
Bore × Stroke		mm	130 × 140		130 × 160				
Displacement		L	9.3	9.3	12.7	12.7	12.7		
Piston Speed		m/s	8.4	8.4	9.6	9.6	9.6		
Compression Ratio			16:1	16:1	16.3:1	16.3:1	16.3:1		
Output		STANDBY	KW	300	358	406	449	534	
		PRIME POWER	KW	273	325	372	410	485	
Rated Speed		RPM	1800						
Lubricating Oil Capacity			36 L						
Starting System			DC 24V electric starting						
Cooling System			Radiator water-cooled type						
Battery			12V 150AH × 2						
Performance		Voltage Regulation			Within ±1%				
		Frequency Regulation			Within 1%				
	Voltage Adjustment Range			±10%					
Dimensions	Length		mm	3000	3000	3300	3300	3300	
	Width		mm	960	960	1130	1130	1130	
	Height		mm	1130	1130	1820	1820	1820	
	Approx Weight		kg	2500	2700	2800	2900	3000	
Fuel Tank		Capacity	L	300	300	400	400	500	

Diesel Engine Generator Set — Standard Specifications

Model				TEG-500S	TEG-550S	TEG-600S
Product No		STANDBY		EKBTSN 040625	EKBTSN 040688	EKBTSN 040750
		PRIME POWER		EKATSN 040569	EKATSN 040625	EKBTSN 040681
Generator	Output	STANDBY	KVA	625	688	750
			KW	500	550	600
		PRIME POWER	KVA	569	625	681
			KW	455	500	545
	Voltage		V	120~480		
	Frequency		HZ	60		
	Rated Speed		RPM	1800		
	Phase			3		
	Power Factor		PF	0.8 Lagging		
Diesel Engine	Engine Brand			SCANIA		
	Engine Type			DC13 093A 02-74	DC16 093A 02-54	DC16 072A 02-12
	Emission Standard			EU Stage II		
	Combustion System			4-Stroke Unit Injector Direct Injection		
	Governor Type			Microcomputer-based electronic control		
	No. of Cylinders			L6	V8	
	Bore × Stroke		mm	130 × 160	130 × 154	
	Displacement		L	12.7	16.4	16.4
	Piston Speed		m/s	9.6	9.24	9.24
	Compression Ratio			16.3:1	16.7:1	16.7:1
	Output	STANDBY	KW	549	634	678
		PRIME POWER	KW	499	576	619
	Rated Speed		RPM	1800		
	Lubricating Oil Capacity			36 L	48 L	
	Starting System			DC 24V electric starting		
	Cooling System			Radiator water-cooled type		
	Battery			12V 150AH × 2	12V 200AH × 2	
Performance	Voltage Regulation			Within ±1%		
	Frequency Regulation			Within 1%		
	Voltage Adjustment Range			± 10%		
Dimensions	Length		mm	3300	3260	3260
	Width		mm	1130	1320	1320
	Height		mm	1820	1840	1840
	Approx Weight		kg	3200	3500	3600
Fuel Tank		Capacity	L	500	600	800

★ Note:

1. The **Standby** output rating is based on the DIN 6270B standard, applicable for emergency backup generator use.

2. The **Prime Power** output rating is based on the DIN 6270A standard, applicable for continuous main power supply operation.

3. **EKBTCM** represents the 5th and 6th digits of the product code, designated as follows:

SN – Open type
SW – Weatherproof type
SS – Soundproof type
SC – Heat exchanger type
SX – Remote radiator type
SY – Soundproof heat exchanger type
SZ – Soundproof remote radiator type
ST – Trailer type
SL – Soundproof trailer type

4. Specifications are subject to change without prior notice.

Diesel Engine Generator Set — Standard Specifications

Model				TEG-250S		TEG-300S		TEG-350		
Product No		STANDBY		EKBTSN 040313		EKBTSN 040375		EKBTSN 040438		
		PRIME POWER		EKATSN 040284		EKATSN 040341		EKATSN 040398		
Generator	Output	STANDBY	KVA	313		375		438		
			KW	250		300		350		
		PRIME POWER	KVA	284		341		398		
			KW	227		273		318		
	Voltage			V	120~480					
	Frequency			HZ	60					
	Rated Speed			RPM	1800					
	Phase				3					
	Power Factor			PF	0.8 Lagging					
	Diesel Engine	Engine Brand			SCANIA					
Engine Type			DC09 071A 02-02		DC09 071A 02-04		DC13 071A 02-01			
Emission Standard			EU Stage III							
Combustion System			4-Stroke Unit Injector Direct Injection							
Governor Type			Microcomputer-based electronic control							
No. of Cylinders			L5				L6			
Bore × Stroke			mm		130 × 140		130 × 160			
Displacement			L	9.3		9.3		12.7		
Piston Speed			m/s	8.4		8.4		9.6		
Compression Ratio				16:1		16:1		17.3:1		
Output		STANDBY	KW	300		344		408		
		PRIME POWER	KW	273		313		371		
Rated Speed			RPM	1800						
Lubricating Oil Capacity				36 L						
Starting System				DC 24V electric starting						
Cooling System				Radiator water-cooled type						
Battery				12V 150AH × 2						
Performance		Voltage Regulation			Within ±1%					
		Frequency Regulation			Within 1%					
	Voltage Adjustment Range			±10%						
Dimensions	Length			mm	3000		3000		3300	
	Width			mm	960		960		1130	
	Height			mm	1600		1600		1820	
	Approx Weight			kg	2500		2700		2800	
Fuel Tank		Capacity	L					400		

Diesel Engine Generator Set — Standard Specifications

Model				TEG-400S		TEG-450S	
Product No		STANDBY		EKBTSN 040500		EKBTSN 040563	
		PRIME POWER		EKATSN 040455		EKBTSN 040511	
Generator	Output	STANDBY	KVA	500		563	
			KW	400		450	
		PRIME POWER	KVA	455		511	
			KW	364		409	
	Voltage			V	120~480		
	Frequency			HZ	60		
	Rated Speed			RPM	1800		
	Phase			3			
	Power Factor			PF	0.8 Lagging		
	Diesel Engine	Engine Brand			SCANIA		
Engine Type			DC16 071A 02-01		DC16 071A 02-01		
Emission Standard			EU Stage III				
Combustion System			4-Stroke Unit Injector Direct Injection				
Governor Type			Microcomputer-based electronic control				
No. of Cylinders			V8				
Bore × Stroke		mm	130 × 154		130 × 154		
Displacement		L	16.4		16.4		
Piston Speed		m/s	9.24		9.24		
Compression Ratio			16.7:1		16.7:1		
Output		STANDBY	KW	538		538	
		PRIME POWER	KW	483		483	
Rated Speed			RPM	1800			
Lubricating Oil Capacity			48 L				
Starting System			DC 24V electric starting				
Cooling System			Radiator water-cooled type				
Battery			12V 200AH × 2				
Performance	Voltage Regulation			Within ±1%			
	Frequency Regulation			Within 1%			
	Voltage Adjustment Range			±10%			
Dimensions	Length		mm	3260		3260	
	Width		mm	1320		1320	
	Height		mm	1840		1840	
	Approx Weight		kg	3300		3400	
Fuel Tank		Capacity	L	500		500	

★ Note:

1. The **Standby** output rating is based on the DIN 6270B standard, applicable for emergency backup generator use.

2. The **Prime Power** output rating is based on the DIN 6270A standard, applicable for continuous main power supply operation.

3. **EKBTCM** represents the 5th and 6th digits of the product code, designated as follows:

SN – Open type
SW – Weatherproof type
SS – Soundproof type
SC – Heat exchanger type
SX – Remote radiator type
SY – Soundproof heat exchanger type
SZ – Soundproof remote radiator type
ST – Trailer type
SL – Soundproof trailer type

4. Specifications are subject to change without prior notice.

Diesel Engine Generator Set — Standard Specifications

Model				TEG-30S	TEG-40S	TEG-50S	TEG-60S	TEG-80S	TEG-100S
Product No		STANDBY		EKBTWT 040038	EKBTWT 040050	EKBTWT 040063	EKBTWT 040075	EKBTWT 040100	EKBTWT 040125
		PRIME POWER		EKATWT 040034	EKATWT 040045	EKATWT 040056	EKATWT 040069	EKATWT 040091	EKATWT 040114
Generator	Output	STANDBY	KVA	38	50	63	75	100	125
			KW	30	40	50	60	80	100
		PRIME POWER	KVA	34	45	56	69	91	114
			KW	27	36	45	55	73	91
	Voltage		V	120~480					
	Frequency		HZ	60					
	Rated Speed		RPM	1800					
	Phase			3					
Power Factor		PF	0.8 Lagging						
Diesel Engine	Engine Brand			WEIFANG TIANHE					
	Engine Type			K4100D	K4100ZD	K4102ZD	R4105ZD	R6105ZD	R6105AZLD
	Combustion System			4-Stroke Direct Injection					
	No. of Cylinders			4				6	
	Bore × Stroke		mm	100x115		102x115	105x125		105x130
	Displacement		L	3.61	3.61	3.68	4.33	6.49	6.75
	Piston Speed		m/s	6.9	6.9	6.9	7.5	7.5	7.8
	Compression Ratio			19:1	19:1	19:1	16:1	16:1	16:1
	Output	STANDBY	KW	39.6	51.7	63.8	73.7	107.6	137.5
		PRIME POWER	KW	34	46	50	62	88	121
	Rated Speed		RPM	1800					
	Lubricating Oil Capacity			13 L				16 L	16 L
	Starting System			DC 12V electric starting				DC 24V electric starting	
	Cooling System			Radiator water-cooled type					
	Battery			12V 120AH*1			12V 120AH	12V 120AHx2	
Performance	Voltage Regulation			Within ±1%					
	Frequency Regulation			Within 5%					
	Voltage Adjustment Range			±10%					
Dimensions	Length		mm	1700	1700	1850	1850	2350	2350
	Width		mm	750	750	750	750	800	800
	Height		mm	1200	1200	1200	1200	1350	1350
	Approx Weight		kg	720	750	800	950	1130	1250
Fuel Tank		Capacity	L	70	90	90	160	160	160

Diesel Engine Generator Set — Standard Specifications

Model				TEG-125S	TEG-150S	TEG-200S	TEG-250S
Product No		STANDBY		EKBTWT 040156	EKBTWT 040188	EKBTWT 040250	EKBTWT 040313
		PRIME POWER		EKATWT 040143	EKATWT 040170	EKATWT 040228	EKATWT 040284
Generator	Output	STANDBY	KVA	156	188	250	313
			KW	125	150	200	250
		PRIME POWER	KVA	143	170	228	284
			KW	114	136	182	227
	Voltage		V	120~480			
	Frequency		HZ	60			
	Rated Speed		RPM	1800			
	Phase			3			
	Power Factor		PF	0.8 Lagging			
	Diesel Engine	Engine Brand			WEIFANG TIANHE		
Engine Type			R6105IZLD	6126ZLD	6126AZLD	618IZLD	
Combustion System			4-Stroke Direct Injection				
No. of Cylinders			6				
Bore × Stroke		mm	105x135	126x130	126x135	126x155	
Displacement		L	7.01	9.726	10.1	11.6	
Piston Speed		m/s	8.1	7.8	8.1	9.3	
Compression Ratio			16:1	17:1	17:1	17:1	
Output		STANDBY	KW	159.5	242.5	286	363
		PRIME POWER	KW	145	234	260	308
Rated Speed		RPM	1800				
Lubricating Oil Capacity			16 L	19 L	19 L	24 L	
Starting System			DC 24V electric starting				
Cooling System			Radiator water-cooled type				
Battery			12V 120AHx2				
Performance	Voltage Regulation		Within ± 1%				
	Frequency Regulation		Within 5%	Within1%			
	Voltage Adjustment Range		± 10%				
Dimensions	Length		mm	2350	3000	3000	3100
	Width		mm	800	1000	1000	1050
	Height		mm	1350	1700	1700	1750
	Approx Weight		kg	1350	2050	2350	2650
Fuel Tank		Capacity	L	160	300	300	400

★ Note:

1. The **Standby** output rating is based on the DIN 6270B standard, applicable for emergency backup generator use.

2. The **Prime Power** output rating is based on the DIN 6270A standard, applicable for continuous main power supply operation.

3. **EKBT** represents the 5th and 6th digits of the product code, designated as follows:

WT – Open type

WW – Weatherproof type

WS – Soundproof type

WC – Heat exchanger type

WX – Remote radiator type

WY – Soundproof heat exchanger type

WZ – Soundproof remote radiator type

WT – Trailer type

WL – Soundproof trailer type

4. Specifications are subject to change without prior notice.

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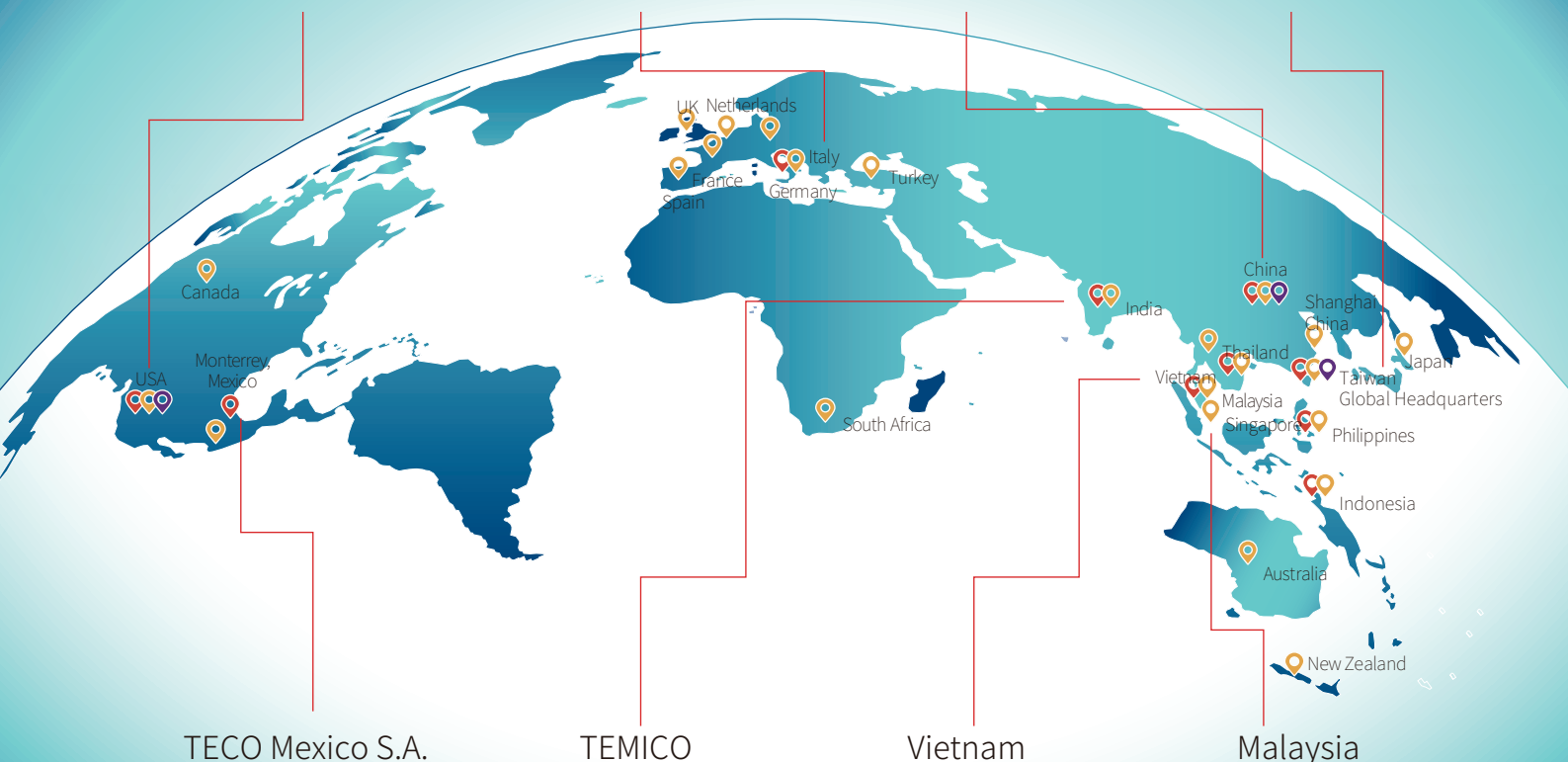


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TECO Electric & Machinery Co., Ltd.

5F, No. 19-9, San Chong Rd., Nan-Gang, Taipei 11501, Taiwan (R.O.C.)
Tel 886-2-26553333 ext 3257

