

EG-C Powered by **CUMMINS** engine



EG-DS Powered by **DOOSAN** engine



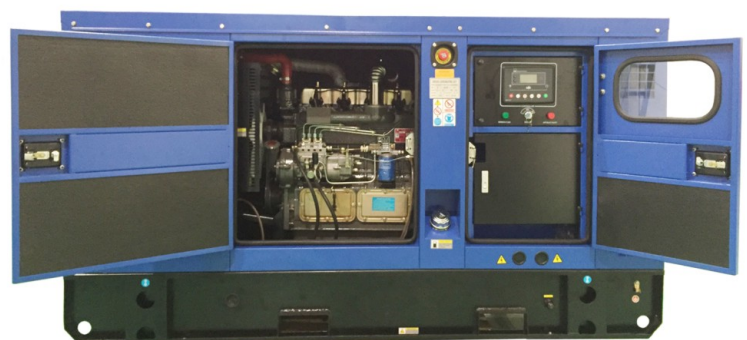
EG-F Powered by **FPT** engine



EG-P Powered by **PERKINS** engine

Introduction & Features

1. The whole generator set includes diesel engine, alternator and control panel. It is mounted on a steel base.
2. The alternator and diesel engine are in direct connection on a mounting frame. It conforms to international standards, such as CNS 、 JIS 、 BS 、 DIN 、 NEMA and so on.
3. It has automatic prevention and warning devices, such as high water temperature, low oil pressure, over speed, starter overrun,...etc.
4. The generator adopts "STAMFORD" type of self-excited, brushless, single bearing alternator. It is simple to operate and easy for maintenance.
5. The alternator stator and rotor winding are made of insulation class H. The IP protection class is IP23. It can provide high thermal conductivity, moisture-resistant, heat -resistant and pressure-resistant features. It also has robust structure and compact design.
6. The generator comes with electronic type automatic voltage regulator(AVR), from no load to full load voltage frequency variation within $\pm 1\%$, maintaining output voltage stability.
7. The generator output voltage is adjustable according to customer demand.
8. The engine brand is selectable upon customer demand.
9. The soundproof type gen. set has lower level of vibration and noise compare with similar products. The engine and alternator are using SAE standard connection which can ensure high concentricity and low vibration.
10. The soundproof type gen. set with its integrated enclosure makes it easy to use and install. It has good durability, reliability and economical power and better in appearance.
11. Spare parts and supporting technical information are available, making it easy and convenient to install and use.



EGS SOUND-PROOF TYPE

▲ Technical Information

◎ Alternator

- 3 phase, 4 pole, synchronous, brushless, single bearing, with fan cooling, self exciting, self regulating, self ventilating alternator. Follows "Stamford" type of alternator structure
- Excitation system is IP23. Alternator enclosure is IP21.
- Insulation class H. ● Mould case circuit breaker

Optional

- Winding temperature sensors
- Anti condensation heater

◎ Engine

- 4-strokes diesel engine
- Mechanical type governor
- Lube. oil circulation pump
- Lube. oil filter

Optional

- Electronic type governor
- Environmental protection class engine(Tier)

◎ Mounting system

- Mounted on steel base frame with vibration isolator rubber pads

Optional

- Mounted on steel base frame with spring type vibration isolators

◎ Exhaust system

- Industrial type muffler(15 dBA)
- Dry exhaust manifolds
- SUS flexible joint

Optional

- Residential type exhaust silencer(20~25dBA)
- Critical type exhaust silencer(25~35dBA)
- Hospital type exhaust silencer(35~42dBA)
- Diesel exhaust purifiers:
 - A. Diesel Engines Emission Purifier (DEEP)
 - B. Diesel Catalyzed Soot Filter(DCSF)=Catalytic diesel particulate filter

◎ Air intake system

- Dry type normal duty air filter

Optional

- Dry type Heavy duty air filter ● Wet type air filter

◎ Enclosures

- Open type

Optional

- Soundproof enclosure
- Weatherproof enclosure
- Trailer

◎ Cooling system

- Coolant circulation pump
- Radiator for jacket water
- Engine mounted fan drive

Optional

- Heat exchanger set(Cooling tower system)
- Remote radiator system(Hot well & circulation pumps)
- Jacket water heater(Cold weather application)

◎ Starting/Charging system

- 12V or 24V electric system
- Battery charger
- Standard type batteries

Optional

- Battery disconnecter(For continuous application)
- Pre-heating resistance(Cold weather application)
- Maintenance free batteries
- Ni-Cd batteries

◎ Fuel system

- Direct fuel injection system
- Steel made fuel tank(Includes drain valve & vent hole)
- Fuel filter

Optional

- Integrated base fuel tank(Includes level sensor & drain cap)
- Stainless steel fuel tank ● Flame arrester
- Water oil separator

◎ Control panel & electrical parts

- Standard type control panel

Optional

- Digital type control panel(Deep sea controllers)
 - RS232/485 Digital communication
 - Remote Internet monitoring expansion modules
- Control for Parallel operation system
 - Control for synchronizing a single gen-set with main power
- ATS(Automatic Transfer Switch)

◎ Documentation

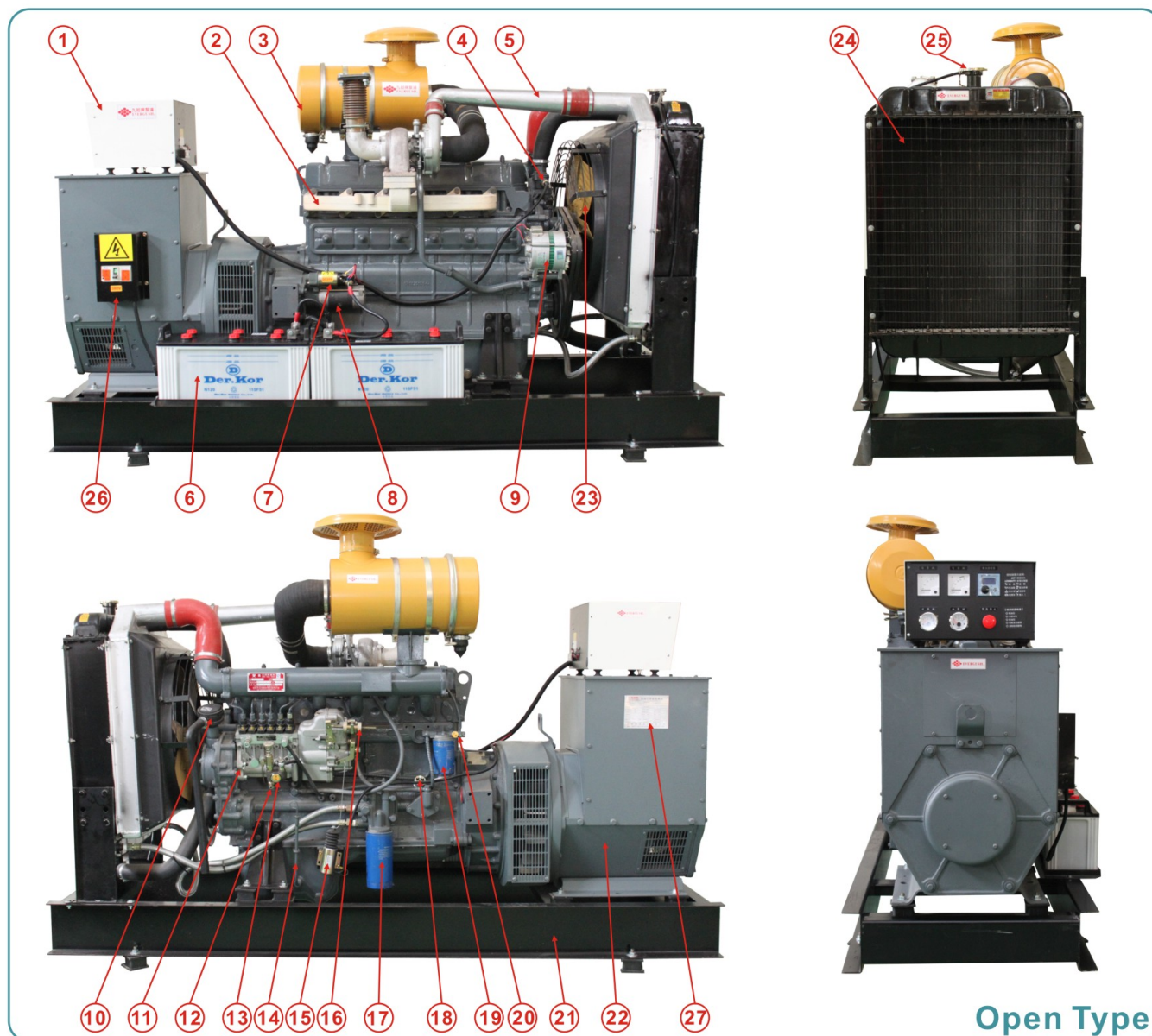
- Installation & maintenance manual

Optional

- TAF(ilac-MRA) laboratory test report



Standard Structure



Open Type

NO.	NAME	NO.	NAME	NO.	NAME
1	Control Panel	10	Lubrication Hole	19	Fuel Filter
2	Exhaust manifolds	11	Fuel Injection Pump	20	Fuel Return Hole
3	Dry type normal duty Air Filter	12	Fuel Inlet Hole	21	Base
4	Water Temp. Sensor	13	Fuel Feed Pump	22	Alternator
5	Intake Pipe	14	Oil Gauge	23	Cooling Fan
6	Battery	15	Solenoid Valve (For stop)	24	Radiator
7	Starter Motor Sets	16	RPM Adjusting Button	25	Radiator cap
8		17	Lubricant Filter	26	Molded Case Circuit Breaker
9	Alternator for Battery	18	Lubricant Pressure Sensor	27	EVERGUSH Nameplate

Model Code

EGS-30-F-A

- A Tier 2 engine
- X Tier 3 engine
- Standard engine Without emission
- P England-Perkins engine
- DS Korea-Doosan engine
- F Italy-FPT engine
- C America-Cummins engine
- DI China-Dilate engine
- DF China-Dongfanghong engine
- China-Huatian engine
- Prime Output(KW)
- Soundproof type
- EVERGUSH Gen-set Model

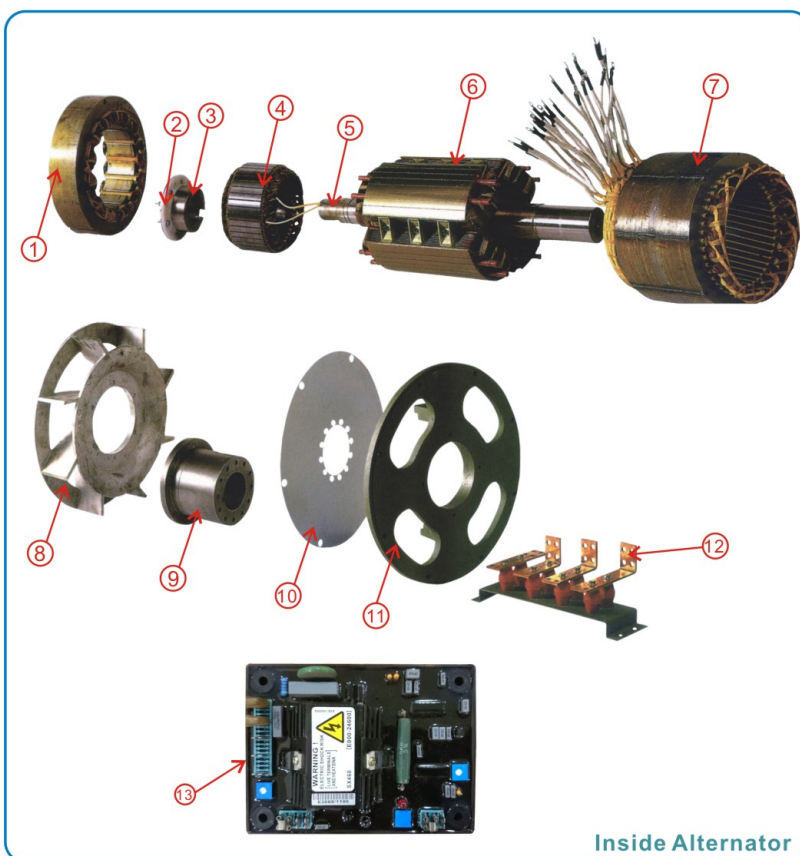
Standard Control Panel



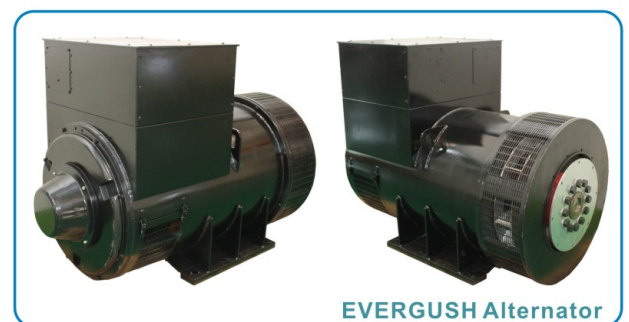
1	Voltmeter
2	Ammeter
3	Digital Controller Manu. Auto. Stop Selector Switch (Auto is ATS)
4	Water Temp. Gauge
5	Oil Gauge
6	Emergency Stop

● Customized panel is available upon speical request.

Exploded View of Alternator



Inside Alternator



EVERGUSH Alternator

No.	Name	No.	Name
1	Stator Excitation	8	Fan
2	Diode	9	Connection Joint
3	Diode retaining bracket	10	Transmission Plate
4	Rotor Excitation	11	Magnetic field retaining bracket
5	Bearing	12	Terminal Plate
6	Rotor	13	Automatic Voltage Regulator (AVR)
7	Stator		

Specifications

EG-C Series

Main specifications of generator sets (powered by CUMMINS engine)															50Hz
Model	Open type	EG-20-C	EG-30-C	EG-45-C	EG-68-C	EG-80-C	EG-91-C	EG-104-C	EG-140-C	EG-160-C	EG-200-C	EG-250-C	EG-250I-C	EG-260-C	EG-280-C
Model	Soundproof type	EGS-20-C	EGS-30-C	EGS-45-C	EGS-68-C	EGS-80-C	EGS-91-C	EGS-104-C	EGS-140-C	EGS-160-C	EGS-200-C	EGS-250-C	EGS-250I-C	EGS-260-C	EGS-280-C
Prime output(kw/kva)		20/25	30/37.5	45/56	68/85	80/100	91/114	104/130	140/175	160/200	200/250	250/313	250/313	260/325	280/350
Standby output(kw/kva)		22/27.5	33/42	50/63	75/94	88/110	100/125	114/143	154/193	176/220	220/275	275/344	275/344	286/358	308/385
Specifications															
Engine model		4B3.9-G2	4BT3.9-G2	4BTA3.9-G2	6BT5.9-G2	6BT5.9-G2	6BTA5.9-G2	6BTAA5.9-G2	6CTA8.3-G2	6CTAA8.3-G2	6LTAA8.9-G2	MTAA11-G3	NTA855-G1B	QSM11-G2	NTA855-G2A
Engine Characteristics		4 stroke 、 water cooled 、 in-line 、 direct injection 、 wet cylinder liner 、 1500rpm													
Prime output(kw/kva)		24/30	36/45	50/63	92/115		110/138	120/150	163/204	183/229	220/275	282/353	284/355	292/365	310/388
Standby output(kw/kva)		27/34	40/50	55/69	100/125		120/150	132/165	180/225	203/254	240/300	310/388	321/401	321/401	343/429
No. of Cylinder		L-4				L-6									
Aspiration		Natural	Turbo-charged	Turbo & intercooler	Turbocharged		Turbo & intercooler	Turbocharged air to air aftercooled	Turbo & intercooler	Turbocharged air to air aftercooled			Turbo & intercooler		
Governor		Mechanical speed governing ratio 5%, Electronic speed governing ratio 1%													
Cooling		Radiator cooling													
BorexStroke(mm)		102x120							114x135		114x145	125x147	140x152	125x147	140x152
Compression Ratio		16.5: 1			17.5: 1			16.5: 1	16.5: 1	16.0: 1	16.6: 1	15:1	14.0:1	16.3:1	14.0:1
Displacement(L/CC)		3.9/3900			5.9/5900				8.3		8.9	10.8	14	10.8	14
Exhaust gas temperature(C)		380	463	460	520	526	540	481	536	500	430	435	485	525	553
Fuel consumption(100% load)(L/h)/(g/kw.h)		6.7/275	9.3/254	13.1/239	20/241	22/226	27/243	30/237	40/234	45.4/233	53/217	61/200	71.4/234	69/218	72/211
Fuel consumption(75% load)(L/h)/(g/kw.h)		5.2/213	7.3/200	9.8/179	15/181	17/174	20/180	23/181	30/176	34/174	39/160	48/157	54.3/178	52/164	55/161
Fuel consumption(50% load)(L/h)/(g/kw.h)		4.0/164	5.3/145	6.7/122	10/121	11/113	14/126	16/126	20/117	23.3/119	27/111	31/102	38.2/125	34/107	39/114
Lub. Consumption(g/kw.h)		<1 with 100h of operation, <0.4 after 100h of operation													
Lub. Oil capacity(L)		11			16.4				24		27.6	39	38.6	36.7	38.6
Genset water coolant capacity		18			22				24.5		28	54	66	54	66
Alternator Model		SLG184F	SLG184H	SLG224E	SLG224G	SLG274C	SLG274D	SLG274E	SLG274G	SLG274H	SLG274K	SLG314E	SLG314E	SLG314E	SLG314EL
Prime output(kw/kva)		22/27.5	30/37.5	48/60	68/85	80/100	91/114	112/140	140/175	160/200	200/250	260/325			280/350
Power Efficiency		85.80%	90.00%	88.60%	90.20%	90.40%	90.80%	91.70%	92.50%	93.30%	92.00%	93.00%			92.60%
Characteristics		4 Pole, Rotating Field, Brushless, Self excited, H class insulation, IP21, AVR 440,12 winding leads													
Waveform Distortion		No load <1.5% and non-distorting balanced linear load<5%													
THF/TIF		<2% / <50													
Soundproof type dimension(mm)		1700x850x1250	1800x850x1320	1900x850x1400	2350x900x1450	2250x940x 1450		2350x950x1450	2400x950x1620	2550x1050x1640	2600x1050x1680	3000x1150x 1750			3350x1200x 1900
Weight(kg)		876	893	930	1450	1460	1500	1550	1950	2050	2200	2650	3150		3250
Open type dimension(mm)		2300x1100x1210			2800x1100x1470				2800x1100x1800	3000x1200x1800	3300x1300x2000	3900x1600x 2270			
Weight(kg)		1280	1300	1480	1900	2300		2350	3000		3350	3900	4000		4100
Fuel tank capacity(L)		160			250				300	360	450	800			

Specifications

EG-C Series

Main specifications of generator sets (powered by CUMMINS engine)														50Hz	
Model	Open type	EG-300-C	EG-360-C	EG-360I-C	EG-400-C	EG-400I-C	EG-500-C	EG-520-C	EG-600-C	EG-640-C	EG-720-C	EG-800-C	EG-900-C	EG-1000-C	EG-1200-C
Model	Soundproof type	EGS-300-C	EGS-360-C	EGS-360I-C	EGS-400-C	EGS-400I-C	EGS-500-C	EGS-520-C	EGS-600-C	EGS-640-C	EGS-720-C	EGS-800-C	EGS-900-C	EGS-1000-C	EGS-1200-C
Prime output(kw/kva)		300/375	360/450	360/450	400/500	400/500	N/A	520/650	600/750	640/800	720/900	800/1000	N/A	1000/1250	1200/1500
Standby output(kw/kva)		330/412	400/500	400/500	440/550	440/550	550/687	572/715	660/825	720/900	800/1000	880/1100	1000/1250	1100/1375	1320/1650
Specifications															
Engine model	NTAA855-G7	KTA19-G3	QSZ13-G2	KTA19-G4 KTA19-G3A	QSZ13-G3	KTAA19-G6A	QSK19-G3	KTA38-G2	KTA38-G2B	KTA38-G2A	KTA38-G5	KTA38-G9	KTA50-G3	KTA50-GS8	
Engine Characteristics	4 stroke 、 water cooled 、 in-line 、 direct injection 、 wet cylinder liner 、 1500rpm														
Prime output(kw/kva)	343/429	403/504	400/500	448/560	450/563	N/A	574/718	664/830	710/888	813/1016	880/1100	N/A	1097/1371	1287/1609	
Standby output(kw/kva)	377/471	448/560	440/550	504/630	495/619	610/763	634/793	731/913	789/986	895/1119	970/1213	1089/1361	1227/1534	1429/1786	
No. of Cylinder	L-6							L-12					L-16		
Aspiration	Turbo-charged air to air aftercooled	Turbo & Intercooler				Turbocharged air to air aftercooled		Turbo & Intercooler							
Governor	Mechanical speed governing ratio 5%, Electronic speed governing ratio 1%														
Cooling	Radiator cooling														
BorexStroke(mm)	140x152	159x159	130x163	159x159	130x163	159x159									
Compression Ratio	14.0: 1	13.9: 1	17.0: 1	13.9: 1	17.0: 1	13.0: 1	15.0: 1	14.5: 1			13.9: 1		13.9: 1	14.9: 1	
Displacement(L/CC)	14/1400	18.9/1890	13/1300	18.9/1890	13/1300	18.9/1890	19/1900	37.8/3780					50.3/5030		
Exhaust gas temperature(C)	451	524	560	538	560	584	505	541	500	527	499	529	583	510	
Fuel consumption(100% load)(L/h)/(g/kw.h)	85.4/233	97/221	70.4/160	107/219	101/207	149.5/223	143/226	167/228	174/223	191/218	209/214	256/210	254/208	309/211	
Fuel consumption(75% load)(L/h)/(g/kw.h)	64.7/177	73/166	54/123	82/168	77/158	N/A	109/172	128/175	136/174	147/167	161/165	196/161	195/160	238/163	
Fuel consumption(50% load)(L/h)/(g/kw.h)	44.6/122	51/116	37/84	57/117	53/109	N/A	77/121	90/123	96/123	98/112	113/116	137/112	138/113	167/114	
Lub. Consumption(g/kw.h)	<1 with 100h of operation, <0.4 after 100h of operation														
Lub. Oil capacity(L)	38.6	50	45.4	50	45.4	50	84.4	135					177	204	
Genset water coolant capacity	66	120				128		312				326	351	315	
Alternator Model	SLG314F	SLG354C	SLG354C	SLG354D	SLG354D	SLG354FS	SLG354F	SLG404A	SLG404G	SLG404H	SLG404J	SLG404K	SLG454A	SLG454C	
Prime output(kw/kva)	304/380	360/450	360/450	400/500	400/500	500/625	536/670	600/750	648/810	752/940	824/1030	908/1135	1008/1260	1240/1550	
Power Efficiency	92.60%	93.80%		94.10%		94.90%		93.70%	93.40%	94.00%	94.70%	94.90%	95.20%	95.50%	
Characteristics	4 Pole, Rotating Field, Brushless, Self excited, H class insulation, IP21, AVR 440,12 winding leads														
Waveform Distortion	No load <1.5% and non-distorting balanced linear load<5%														
THF/TIF	<2% / <50														
Soundproof type dimension(mm)	3350x1200x 1900	3400x1360x 2090				3750x1750x 2450		4400x2060x 2550				4550x2100x 2200		5560x2100x 2300	
Weight(kg)	3450	4200		4300		4650	5000	6900	7050	7200	7500	10000	11000	13500	
Open type dimension(mm)	3900x1600x 2270	4350x2100x 2270				4950x2100x 2500	4350x2100x 2270	5800x2250x 2580				5850x2350x 2350		7000x2300x 2800	
Weight(kg)	4200	5400		5500		6500	6100	8500	8700	8800	8900	14000	15000	20000	
Fuel tank capacity(L)	800	1000				1500									

Specifications

EG-P Series

Main specifications of generator sets (powered by PERKINS engine)															50Hz
Model	Open type	EG-7-P	EG-10-P	EG-16-P	EG-24-P	EG-36-P	EG-48-P	EG-52-P	EG-64-P	EG-80-P	EG-108-P	EG-120-P	EG-140-P	EG-160-P	EG-200-P
Model	Soundproof type	EGS-7-P	EGS-10-P	EGS-16-P	EGS-24-P	EGS-36-P	EGS-48-P	EGS-52-P	EGS-64-P	EGS-80-P	EGS-108-P	EGS-120-P	EGS-140-P	EGS-160-P	EGS-200-P
Prime output(kw/kva)		7/9	10/13	16/20	24/30	36/45	48/60	52/65	64/80	80/100	108/135	120/150	140/175	160/200	200/250
Standby output(kw/kva)		8/10	11/14	18/22	26/33	40/50	52.8/66	57/71.5	70/88	88/110	118/148	132/165	154/192	176/220	220/275
Specifications															
Engine model		403A-11G1	403A-15G1	404A-22G1	1103A-33G	1103A-33TG1	1103A-33TG2	1104A-44TG1	1104A-44TG2	1104C-44TG2	1006-6TAG	1006-6TAG2 /1106A-70TAG2	1006C-E66TAG4 /1106A-70TAG3	1106A-70TAG4	1306C-E87TAG6
Engine Characteristics		4 stroke · water cooled · in-line · direct injection · wet cylinder liner · 1500rpm													
No. of Cylinder		3		4	3			4			6				
Cooling		Radiator cooling													
Displacement(L/CC)		1.131/1131	1.496/1496	2.216/2216	3.3/3300			4.4/4400			5.99/5990		6.6/6600		8.7/8700
Fuel consumption(100% load)(L/h)/(g/kw.h)		2.15/252	3.22/264	4.74/243	6.15/210	9.31/212	12.35/211	13.13/207	16.62/213	22.05/226	27/205	40.2/206			54.39/223
Alternator Model		SLG164B	SLG164C	SLG184E	SLG184G	SLG224D	SLG224E	SLG224F	SLG224G	SLG274C	SLG274E	SLG274F	SLG274G	SLG274H	SLG274K
Prime output(kw/kva)		8.8/11	10.8/13.5	18/22.5	25/31.3	40/50	48/60	58/72.5	68/85	80/100	112/140	128/160	144/180	160/200	200/250
Characteristics		4 Pole, Rotating Field, Brushless, Self excited, H class insulation, IP21, AVR 440,12 winding leads													
Waveform Distortion		No load <1.5% and non-distorting balanced linear load<5%													
Soundproof type dimension(mm)		1580x810x930	1580x810x930	1580x810x930	1580x810x1165	1595x810x1150	1580x810x1165	1760x810x1165	1760x810x1165	2240x960x1315	2240x960x1315	2240x960x1315	2345x810x1365	2345x810x1365	2430x960x1590
Weight(kg)		359	450	467	667	730	780	800	820	905	1099	1110	1300	1350	2170
Fuel tank capacity(L)		50	100	100	100	100	100	150	200	200	300	400	400	400	600

Main specifications of generator sets (powered by PERKINS engine)															50Hz	
Model	Open type	EG-280-P	EG-320-P	EG-360-P	EG-400-P	EG-480-P	EG-520-P	EG-584-P	EG-640-P	EG-720-P	EG-800-P	EG-1000-P	EG-1200-P	EG-1460-P	EG-1600-P	EG-1760-P
Model	Soundproof type	EGS-280-P	EGS-320-P	EGS-360-P	EGS-400-P	EGS-480-P	EGS-520-P	EGS-584-P	EGS-640-P	EGS-720-P	EGS-800-P	EGS-1000-P	EGS-1200-P	EGS-1460-P	EGS-1600-P	EGS-1760-P
Prime output(kw/kva)		280/350	320/400	360/450	400/500	480/600	520/650	584/730	640/800	720/900	800/1000	1000/1250	1200/1500	1460/1825	1600/2000	1760/2200
Standby output(kw/kva)		308/385	352/440	396/495	440/550	528/660	572/715	642/800	704/880	792/990	880/1100	1100/1375	1320/1650	1606/2007.5	1760/2200	1936/2420
Specifications																
Engine model		2206A-E13TAG2	2206A-E13TAG3	2506A-E15TAG1	2506A-E15TAG2	2806A-E18TAG1A	2806A-E18TAG2	4006-23TAG2A	4006-23TAG3A	4008TAG1A	4008TAG2A	4012-46TWG2A	4012-46TAG2A	4016TAG1A	4016TAG2A	4016-61TRG3
Engine Characteristics		4 stroke 、 water cooled 、 in-line 、 direct injection 、 wet cylinder liner 、 1500rpm														
No. of Cylinder		6								8		12		16		
Cooling		Radiator cooling														
Displacement(L/CC)		14.6/1460		15.8/1580		18.13/1813		22.92/2292		30.561/3056		45.8/4580		61.1/6110		
Fuel consumption(100% load)(L/h)/(g/kw.h)		74.44/218	78.44/201	94.83/216	102.93/211	118.83/203		148.85/209		180.88/206	202.93/208	258.54/212	305.85/209	365/205	448.59/209	
Alternator Model		SLG314F	SLG314G	SLG354C	SLG354D	SLG354E	SLG354F	SLG404A	SLG404G	SLG404H	SLG404J	SLG454A	SLG454C	SLG454E	SLG454F	SLG454G
Prime output(kw/kva)		304/380	320/400	360/450	400/500	480/600	536/670	600/750	640/800	728/910	800/1000	980/1250	1204/1505	1476/1845	1616/2020	1708/2135
Characteristics		4 Pole, Rotating Field, Brushless, Self excited, H class insulation, IP21, AVR 440,12 winding leads														
Waveform Distortion		No load <1.5% and non-distorting balanced linear load<5%														
Soundproof type dimension(mm)		3280x1130 x1950	3280x1130 x1950	3420x1120 x1900	3420x1120 x1900	3380x1500 x2100	3380x1500 x 2100	3770x1700 x 2130	3770x1700 x 2130	4760x1995 x2330	4760x1995 x2330	4900x1860 x2350	4805x2180 x2350	6000x2775 x3660	6000x2775 x3660	6000x2775 x3660
Weight(kg)		3300	3400	3800	3840	3940	4706	4750	4800	7590	7611	9154	11580	15500	15500	155080
Fuel tank capacity(L)		700	800	1000	1000	1000	1000	1200	1200	1200	1500	1500	1500	1500	1500	1500

Special Spec.Table

Customized specifications are available (50Hz)		
Gen.Set Model	Open type Model	
	Soundproof Model	
Stand-by Output (KW/KVA)		
Prime Output (KW/KVA)		
Continuous Output (KW/KVA)		
Technical Data		
Diesel engine model		
Engine characteristics		
Prime output (KW/KVA)		
Stand-by output (KW/KVA)		
Cylinders		
Aspiration		
Bore x Stroke (mm)		
Governor		
Cooling		
Displacement (L/C.C)		
Gen.Set fuel consumption(Full load) (L/h) (g/kw.h)		
Lubricant oil consumption(g/kw.h)		
Starting Voltage		
Battery Type		
Fuel Tank(L)		
Open Type Size L X W X H (CM)		
Soundproof Type Size L X W X H (CM)		
Approx. Weight(Kg)		

● Specifications of DOOSAN, FPT or other brand engine Generators are available upon request.
● Specifications of Soundproof Generators are available upon request.

Notes

- Electrical output is based on assumed alternator efficiency and is for guidance only. KVA figures are calculated using a typical power factor of 0.8.
- Prime power (PRP) = Unlimited hours usage with an average load factor of 70% of the published Prime Power over each 24 hours period. A 10% overload is available for 1 hour in every 12 hours operation.
- Standby Power = Limited to 500 hours annual usage with an average load factor of 80% of the published Standby Power rating over each 24 hour period. Up to 300 hours of annual usage may be run continuously. No overload is permitted on Standby Power.
- Emergency Standby Power (ESP) = Power available in the event of a main power network failure, which may be run continuously. Load factor may be up to 100% of the ESP rating. No overload is permitted. Under ISO8528 the maximum number of hours of running per year is 200 hours for combined ESP and maintenance.
- All ratings are based on the following reference conditions: Ambient temperature: 25 C, Altitude above sea level: 110 meters, Relative humidity: 30%.
- If you use China Petroleum Corporation, Taiwan made of super diesel oil, the proportion should be 0.8. Consumption rate formula:

$$\frac{\text{Fuel consumption(g/kw.h)} \times \text{Output power(kw)}}{1000 \times 0.8 (\text{Diesel oil proportion})} = \text{Gen. set diesel oil consumption(L/h)}$$

Conversion Formula

$$\begin{aligned} \text{PS} &= \text{KW} \times 1.3596 & \text{KW} &= \text{Kcal/sec} \times 0.239 \\ \text{KW} &= \text{PS} \times 0.736 & \text{HP} &= 0.746 / \text{KW} \\ \text{U.S. gal} &= \text{lit.} \times 0.264 & \text{KW} &= 0.746 \times \text{HP} \\ \text{Lit} &= \text{gal} \times 3.785 & \text{KVA} &= \text{KW} / 0.8 \\ \text{KW} &= \text{KVA} \times 0.8 \end{aligned}$$

EVERGUSH DIESEL GEN. SET TESTING ZONE & LAB.

