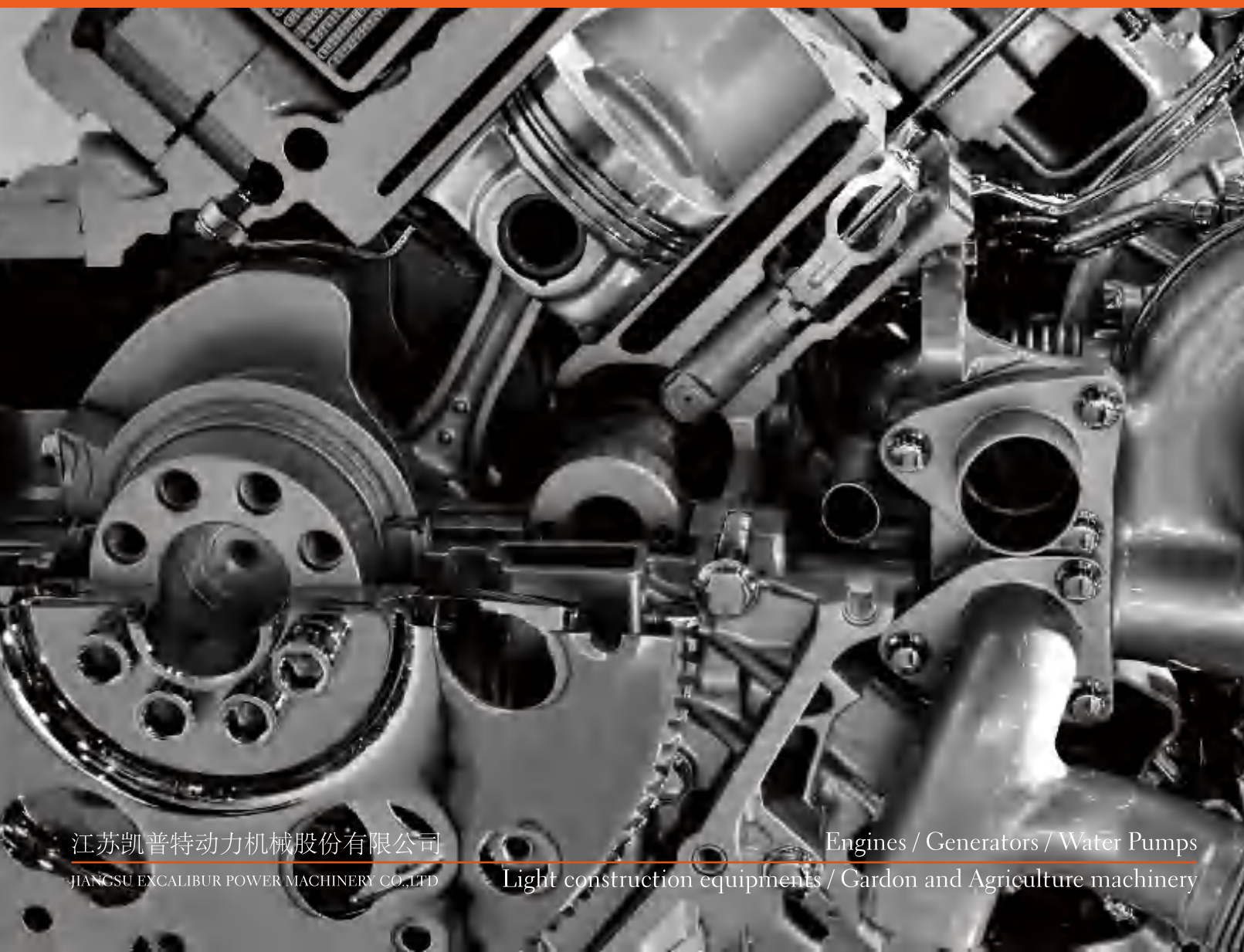




**Excalibur**

# YOUR

POWER  
PASSION  
PARTNERSHIP



江苏凯普特动力机械股份有限公司  
JIANGSU EXCALIBUR POWER MACHINERY CO.,LTD

Engines / Generators / Water Pumps  
Light construction equipments / Garden and Agriculture machinery



## **Power between you and me**

Jiangsu Excalibur Power Machinery Co.,Ltd. was founded in November 18, 2014 (hereinafter to be referred as “Excalibur”), we are an expert specialized in manufacturing:

Engines ,Generators, Water Pumps, Light construction equipments , Gardon and Agriculture machinery.

Excalibur has a modern standard workshop of 27000m<sup>2</sup>, 8 advanced Automated assembly line, which ensures 1250 sets engines daily output. We have 51 units hydraulic dynamometer, 6 units top-ranking domestic Eddy Current detecting platform, and all kinds of common gauges. It is because of these up-to-date equipments that we can ensure the machines are strictly tested one by one. Apart from that, we have various sheet welding equipments and mechanical processing devices for construction machinery production. Excalibur now have the ability for the annual output of 80,000 sets light construction machines, 200,000 sets engines, and 60,000 sets generator sets and 100,000 pump sets.



## Timeline



## Fully Certified Certificates



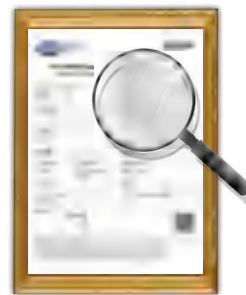
ISO9001



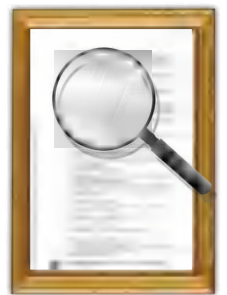
CE



SGS



KEBS



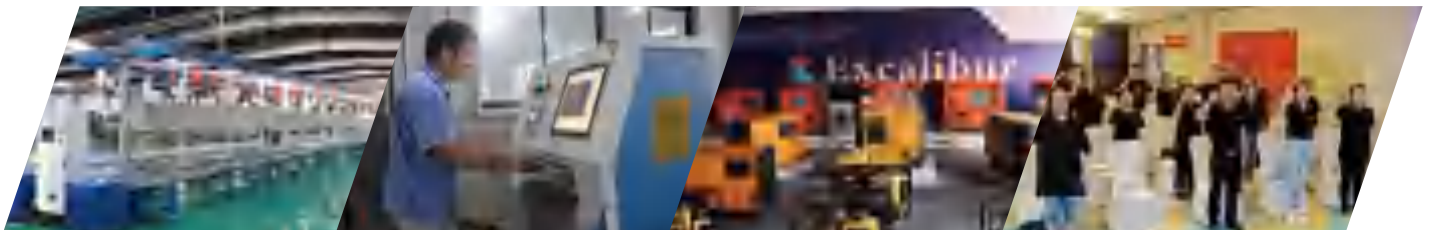
EURO V

Intelligence Manufacturing

Strong R&D Ability

One-Stop Supplier

12 years well-Experienced sales team





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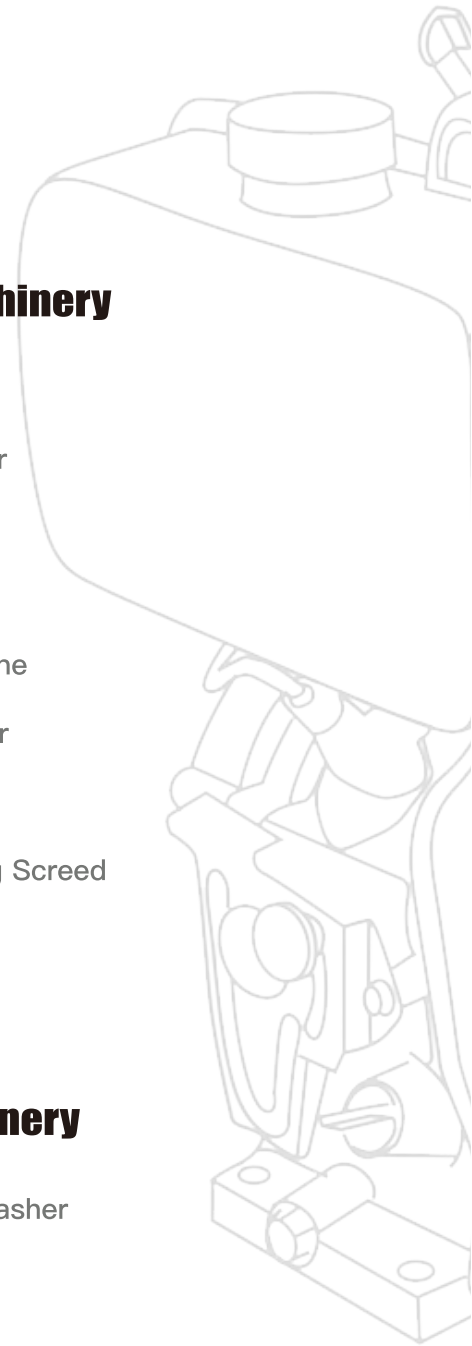
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## EXCALIBUR ENGINES

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**Smooth & Reliable Pulling Rope of Recoil Starter**

**Emboss Customized Logo for Fuel tank**



**Injection Pump "NJ" Brand**

Belongs to BOSCH group



**Starting motor 100% copper core**

Electric Start





EXCALIBUR engine series are widely used in many application such as construction site by powering Road Roller, Tamping Rammer, Scarifying Machine, Concrete Cutter, Power Trowel;  
It also can be used as the power in Diesel&Welder generators, diesel water pumps, diesel power tillers etc.

**003**

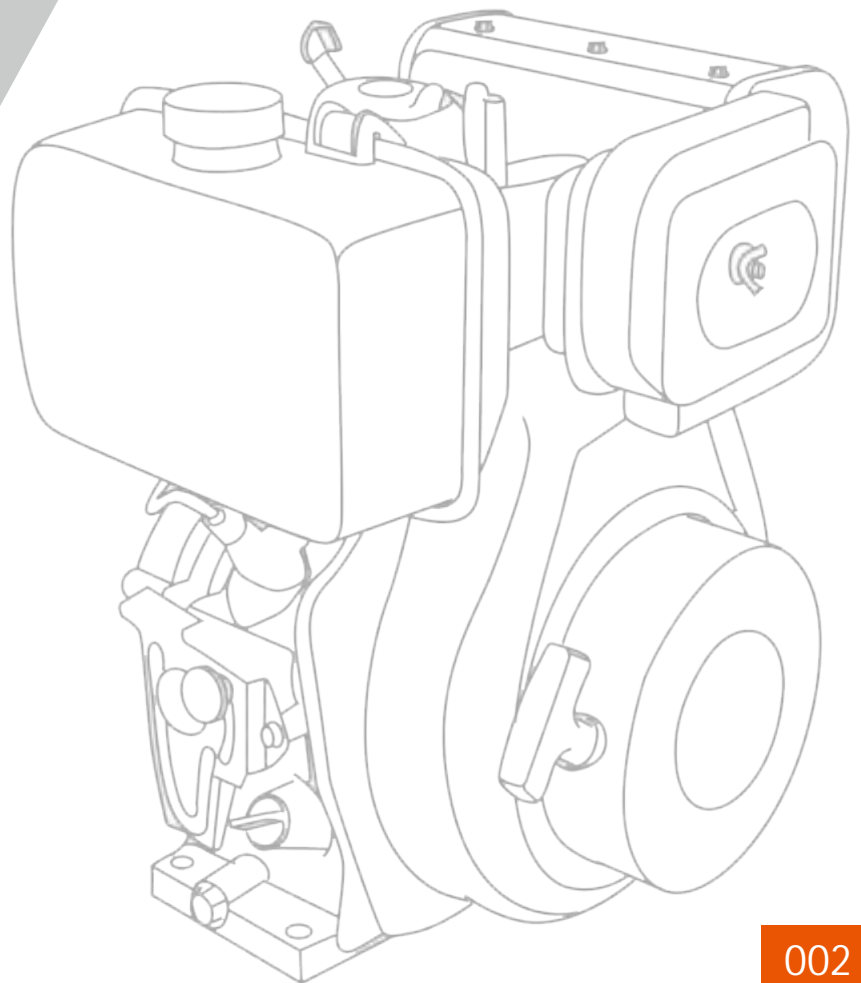
DIESEL ENGINE

**006**

GASOLINE ENGINE

**008**

KEROSENE&LPG ENGINE



# Diesel Engine

- S173F(E)
- S178F(E)
- S178FS(E)
- S186FA(E)
- S186FAS(E)
- S188FB(E)
- S190F(E)
- S192F(E)
- S192FS(E)
- S195F(E)



S186FA(NEW) ●

EXCALIBUR diesel engine series are widely used in many application such as construction site by powering road roller, tamping rammer, scarifying machine, concrete cutter, power trowel. It also can be used as the power in diesel&welder generators, diesel water pumps, diesel power tillers etc.

Model	S173F(E)	S178F(E)	S186FA(E)	S188FB(E)	S190F(E)	S192F(E)	S195F(E)	S178FS(E)	S186FAS(E)	S188FBS(E)	S192FS(E)
Type	Air-cooled, 4-stroke, single cylinder, vertical										
Bore*Stroke (mm)	73*58	78*62	86*72	88*75	90*75	92*75	95*75	78*62	86*72	88*75	92*75
Displacement (cc)	243	296	418	456	477	498	531	296	418	456	498
Combustion system	Direct injection										
Rated output kw (hp)/rpm	3.5(5.2)/3000	3.8(5.1)/3000	5.7(7.8)/3000	6.1(8.2)/3000	7.1(9.7)/3000	7.5(10.2)/3000	8.5(11.6)/3000	3.8(5.1)/1500	5.7(7.8)/1500	6.1(8.2)/1500	7.5(10.2)/1500
	3.8(5.5)/3600	4.4(5.9)/3600	6.6(8.9)/3600	7.3(9.8)/3600	8.4(11.4)/3600	8.5(11.5)/3600	9.0(12.2)/3600	4.4(5.9)/1800	6.6(8.9)/1800	7.3(9.8)/1800	8.5(11.5)/1800
Max output kw (hp)/rpm	3.8(5.5)/3000	4.0(5.36)/3000	6.3(8.6)/3000	6.83(9.2)/3000	7.9(10.8)/3000	8.0(10.9)/3000	9.0(12.2)/3000	4.0(5.36)/1500	6.3(8.6)/1500	6.83(9.2)/1500	8.0(10.9)/1500
	4.05(6.0)/3600	4.9(6.6)/3600	7.3(9.9)/3600	8.2(11.0)/3600	9.0(12.2)/3600	9.3(12.7)/3600	9.5(12.9)/3600	4.9(6.6)/1800	7.3(9.9)/1800	8.2(11.0)/1800	9.0(12.2)/1800
Direction of rotation	Counterclockwise, facing PTO shaft										
Fuel	0#(summer) /-10#(winter)										
Fuel tank capacity (L)	2.5	3.5	5.5	5.5	5.5	5.5	5.5	3.5	5.5	5.5	5.5
Lubricating oil capacity (L)	0.75	1.1	1.65	1.65	1.8	1.8	1.8	1.1	1.65	1.65	1.8
Lubricating system	Pressure splashed										
Starting system	Recoil starter/ Electric starter										
Packing size (mm)	420*380*460	490*440*500			510*460*540			490*440*500		510*460*540	
Net weight	27	35	48	49	50	52	53	35	48	49	52



Model	S1100FE	S1103FE	S1105FE
Borexstroke (mm)	100*84	103*88	105*88
Displacement (cc)	660	720	762
Engine speed (rpm)	3000 3600	3000	3000
Max.output (kW)	9.8 10.5	12	12.5
Continuous output (kW )	9.1 9.8	11.5	12
Fuel type	0#-10#Light Diesel		
Starting system	Electric Starter		
Fuel tank capacity (L)	5.5	5.5	8.5
Lube oil capacity (L)	2.5	2.5	2
Fuel Consumption (100% load)	≤245g/kw.h		
Dimension (mm)	510×500×590	515×455×545	545×620×725
Net weight (kg)	57	60	62



- S1100FE
- S1103FE
- S1105FE



● S170FA

Model	S170FA
Type	Air-cooled, 4-stroke, single cylinder, horizontal
Bore*Stroke (mm)	70*60
Displacement (cc)	231
Combustion system	Direct injection
Rated output kW (hp)/rpm	3.2(4.4)/3000
	3.5(4.8)/3600
Max output kW (hp)/rpm	3.8(4.8)/3000
	4.05(5.2)/3600
Direction of rotation	Counterclockwise, facing PTO shaft
Fuel	0#(summer) /-10#(winter)
Fuel tank capacity (L)	3
Lubricating oil capacity (L)	0.75
Lubricating system	Pressre splashed
Starting system	Recoil starter/ Electric starter
Packing size (mm)	420*380*460
Net weight	23

## OPTIONAL CONFIGURATION



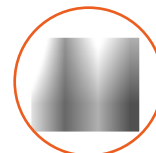
Taper Shaft



Key Shaft



Spline Shaft



Oil Bath Type Air Cleaner

# V-Twin Diesel Engine

## 2 Cylinder



- S2V88FE
- S2V92FE
- S2V95FE



- S2V98FE



- S2V100FE
- S2V105FE

Model	S2V88FE	S2V92FE	S2V95FE	S2V98FE	S2V100FE	S2V105FE
Engine type	Two cylinder, "V", 4-stroke, air-cooled, Direct injection					
Bore*stroke (mm)	88*75	92*75	95*88	98*88	100*88	105*88
Displacement (L)	0.912	0.997	1.247	1.326	1.382	1.523
Compression ratio	20: 1	20: 1	20: 1	20: 1	20: 1	20: 1
Rated output (kW/rpm)	14/3000 15/3600	15/3000 16/3600	19/3000 20/3600	20/3000 21/3600	21/3000 22/3600	23/3000 23.5/3600
Fuel type	0# ( Summer) -10# ( Winter) , -35# ( Very cold) Diesel					
Lubricating oil type	SAE10W30( CD magnitude)			SAE15W40(CF grade above)		
Lube[L(US.gal)]	2.7	3.2	3.2	4	3.2	3.2
Way to work	12 hours of continuous operation					
Fuel Consumption (100% load)	≤250g/kw.h					
Fuel tank capacity (L)	12.5					12
Noise level (7m) db (A)	80	82	85	85	82	
Starting system	Electric start					
Packing size (L*W*H) mm	640*640*845	640*640*845	640*640*845	640*640*845	640*640*845	660*640*845
Net weight (kg)	83	90	91	92	92	93



- SL292FE

Model	SL292FE
Engine type	Inline, 2-cylinder, air-cooled, 4-stroke
Bore*stroke (mm)	2-92*75
Displacement (L)	0.997
Compression ratio	20: 1
Rated output (kW/rpm)	14/3000 15/3600
Fuel type	0# ( Summer) -10# ( Winter) , -35# ( Very cold) Diesel
Lubricating oil type	SAE10W30( CD magnitude)
Lube[L(US.gal)]	4.2
Way to work	12 hours of continuous operation
Fuel Consumption (100% load)	≤250g/kw.h
Fuel tank capacity (L)	6.5
Noise level (7m) db (A)	82
Starting system	Electric start
Packing size (L*W*H) mm	420*480*590
Net weight (kg)	78



● S200



● S200E



● S500

Model	S200	S210	S240	S270	S390	S420	S460	S500
Engine Type	Air-cooled, 4-cycle, single cylinder, side valve							
Bore X Stroke (mm)	68 x 54	70 x 54	73 x 58	77 x 58	88 x 64	90 x 66	92 x 70	94 x 72
Displacement (cc)	196	210	243	270	389	420	459	500
Compression Ratio	8.5 : 1	8.5 : 1	8.2 : 1	8.2 : 1	8 : 1	8 : 1	8 : 1	8.5 : 1
Max. Power Output (HP/rpm)	6.5/3600	7.0/3600	8 /3600	9 /3600	13/3600	15/3600	16/3600	18/3600
Max. Torque (N.m/)	13.2	14	16	19.1	26.5	28	28	31
Ignition System	Ignition System Non-contact transistorized ignition (T.C.I)							
Starting System	Recoil/Electric							
Air Cleaner	Semi-dry oil bath, dual, double silent and cyclone type							
Fuel Tank (L)	3.6	3.6	6	6	6.5	6.5	6.5	6.9
Oil Capacity (L)	0.6	0.6	1.1	1.1	1.1	1.1	1.1	1.2
Fuel Consumption (g/kw-hour)	≤395				≤374			
Dimension (L* W* H)mm	390 x 340 x 365			490 x 395 x 465			475 x 425 x 440	
G.W/NW (Kg)	16/15		26/25	28/26	35/33	36/34	38/35	39/36



# Gasoline Engine



● S20



● S28D



● S32D

Model	S20	S28D	S28B	S32D	S32B
Type	Air-cooled, 4-cycle, single cylinder, side valve				
Bore*stroke (mm)	67*52	75*62	75*62	77*67	77*67
Displacement (cm <sup>3</sup> )	183	273	273	312	312
Rated output kW (HP) / rpm	2.65 (3.5) / 3600	4.2 (5.7) / 3600	4.2 (5.7) / 1800	4.7 (6.4) / 3600	4.7 (6.4) / 1800
Max output kW (HP) / rpm	3.73 (5.0) / 4000	5.91 (8.0) / 4000	5.91 (8.0) / 2000	6.46 (8.8) / 4000	6.46 (8.8) / 2000
Direction of rotation	Counterclockwise, facing PTOshaft				
Fuel	Automobile Gasoline unleaded				
Fuel tank capacity (L)	3.8	5.5	5.5	5.5	5.5
Lubricating oil capacity (L)	0.6	0.85	0.85	0.85	0.85
Spark Plug	E6TC	E6TC	E6TC	E6TC	E6TC
Starting System	Recoil starter				
Packing size (L*W*H) mm	380*370*425	440*380*460	445*380*490	440*380*460	445*380*490
Net weight (kg)	15	21.5	22	22.5	23

## OPTIONAL CONFIGURATION



Key Shaft



Screw Shaft



Thin Recoil Starter



Square Air Cleaner

## Kerosene Engine

Model	S20K
Type	Air-cooled, 4-cycle, single cylinder, side valve
Bore*stroke (mm)	67*52
Displacement (cm <sup>3</sup> )	183
Rated output kW (HP) / rpm	2.3 (3.1) / 3600
Max output kW (HP) / rpm	3.2 (4.3) / 4000
Direction of rotation	Counterclockwise, facing PTO shaft
Fuel	Kerosene (automobile gasoline when starting >90#)
Fuel tank capacity (L)	GASOLINE 0.17 KEROSENE 3.4
Lubricating oil capacity (L)	0.6
Spark Plug	E6TC
Starting System	Recoil starter
Packing size (L*W*H) mm	380*370*425
Net weight (kg)	16



S20K 



 S20G

## LPG Engine

Model	S20G
Type	Air-cooled, 4-cycle, single cylinder, side valve
Bore*stroke (mm)	67*52
Displacement (cm <sup>3</sup> )	183
Rated output kW (HP) / rpm	2.85 (3.8) / 3600
Max output kW (HP) / rpm	4.46 (6.0) / 4000
Direction of rotation	Counterclockwise, facing PTO shaft
Fuel	Liquefied petroleum gas
Lubricating oil capacity (L)	0.6
Spark Plug	E6TC
Starting System	Recoil starter
Packing size (L*W*H) mm	380*370*425
Net weight (kg)	16

## PORTABLE GENERATORS

---

Portable generators are not permanently installed, can be easily moved from place-to-place and must be manually started. They are reliable power source, compact and easy to use, giving you consistent power and performance no matter what the job at hand might be.



# CONTENT



## Variety of uses



POWER OUTAGES



DIY PROJECTS



REMOTE WORK SITE



ARC WELDING

**011**

DIESEL GENERATOR (OPEN)

**013**

GASOLINE GENERATOR (OPEN)

**017**

DIESEL GENERATOR (SILENT)

**020**

GASOLINE GENERATOR (SILENT)

**021**

INVERTER DIESEL GENERATOR (SILENT)

**022**

INVERTER DIESEL GENERATOR (OPEN)

**023**

INVERTER GASOLINE GENERATOR (OPEN)

**025**

INVERTER GASOLINE GENERATOR (SILENT)

**026**

24DC DIESEL GENERATOR

# Diesel Generator (Open)



Different handles optional



DIFFERENT FRAME OPTIONAL

- S2000D (E) / D(E)3
- S4000D (E) / D(E)3
- S5000D (E) / D(E)3
- S6500D (E) / D(E)3
- S7500D (E) / D(E)3
- S8500D (E) / D(E)3
- S9500D (E) / D(E)3

1 The alternator comes from the top brand in China, and generator adopts reliable control panel with better anti-vibrating function and stable frame design. Each generator set is strictly examined and rigorous tested, which assures the perfect performance.

1 Every generator model can be equipped with 8" 9" and 10" wheels, in order to satisfy different user's needs and working environment

1 All the above models can be equipped with:

a: ATS uninterruptible power supplies system, so the user can get stable power supply at any time

b: The remote controller enables easier on and off job, this is particularly convenient for the applications without access

c: Digital multifunctional panel and smart panel, enables the generator's status clear to the user



- S10000D(E)/D(E)3
- S11300D(E)/D(E)3
- S11500D(E)/D(E)3

Model	S2000D(E) /3	S4000D(E) /3	S6500D(E) / 3	S7500D(E) / 3	S8500D(E) / 3	S9500D(E) / 3	S11000DE/3	S11300DE/3	S11500DE/3
Frequency (Hz)	50 / 60	50 / 60	50 / 60	50 / 60	50 / 60	50 / 60	50 / 60	50	50
Rated Voltage (V)	110/115/120/220/230/240/380/400/415								
Rated Output KW	1.8 / 2.0	2.8 / 3.0	4.6 / 5.0	5.0/5.5	6.0/6.5	6.5/7	8/8.5	9	9.5
Max Output KW	2.0 / 2.2	3.0 / 3.3	5.0 / 5.5	5.5/6.0	6.5/7.0	7/7.5	8.5/9	9.5	10
DC Output	12V 8.3A	12V 8.3A	12V 8.3A	12V 8.3A	12V 8.3A	12V 8.3A	12V 8.3A	12V 8.3A	12V 8.3A
Power Factor	1/0.8	1/0.8	1/0.8	1/0.8	1/0.8	1/0.8	1/0.8	1/0.8	1/0.8
Noise Level (7m) db (A)	77	77	77	77	77	85	85	85	86
Engine Model	S173FE	S178FE	S186FAE	S188FBE	S192FE	S195FE	S1100FE	S1103FE	S1105F
Engine Type	Single Cylinder, 4 Stroke, Air-Cooled, Direct Injection								
Bore*Stroke (mm)	73*58	78*62	86*72	88*75	92*75	95*75	100*85	103*88	105*88
Displacement (cc)	243	296	418	456	498	531	667	720	762
Fuel Type	0#Diesel(Summer); -10#Diesel(Winter), -35#Diesel(Very Cold)								
Fuel Ttank Capacity (L)	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
Starting System	Manual Start/ Electric Start						Electric Start	Electric Start	Electric Start
Net Weight (kg)	58	74	102	104	111	130	150	155	160
Packing Size (L*W*H) mm	690*490*560	690*490*560	760*520*610	760*520*610	760*520*610	760*520*610	790*560*660	860*560*720	860*560*720
电机铁芯长度和直径 (mm)	160*85	190*85	190*132	190*140	190*150	190*158	204*158	245*130	245*130
Standard Features	○ Optional, ● Standard Configuration								
Oil Protection	●	●	●	●	●	●	●	●	●
4x4" Wheels	○								
4x8" Wheels		●	●	●	●	●	●	●	●
Handle		●	●	●	●	●	●	●	●
ATS	○	○	○	○	○	○	○	○	○
Digital Meter	○	○	○	○	○	○	○	○	○
Remote Start System	○	○	○	○	○	○	○	○	○
USB Output USB	○	○	○	○	○	○	○	○	○
Lighter Output	○	○	○	○	○	○	○	○	○
Certification	CE/EU5	CE/EU5	CE/EU5	CE/EU5	CE/EU5	CE/EU5	CE/EU5	CE/EU5	CE/EU5





Model	S12000DE/3	S13000DE/3	S15000DE/3	S18000DE/3
Frequency (Hz)	50 / 60	50 / 60	50 / 60	50
Rated Voltage (V)		110/115/120/220/230/240/380/400/415		
Rated Output KW	10/10.5	11/11.5	15/15.5	16
Max OutputKW	10.5/11	11.5/12	16/16.5	16.5
DC Output	12V 8.3A	12V 8.3A	12V 8.3A	12V 8.3A
Power Factor	1/0.8	1/0.8	1/0.8	1/0.8
Noise Level (7m) db (A)	83	84	85	86
Engine Model	SV288FE	SV292FE	SV295FE	S2V98F
Engine Type		V-twin Cylinder, 4 Stroke, Air-Cooled, Direct Injection		
Bore*Stroke (mm)	2-88*75	2-92*75	2-95*88	2-98*88
Displacement (cc)	912	997	1247	1326
Fuel Type		0# (summer) /-10# (winter)		
Fuel Tank Capacity (L)	28	28	28	28
Starting System	Electric Start	Electric Start	Electric Start	Electric Start
Net Weight (kg)	215	215	235	240
Packing Size (L*W*H) mm	1010*630*920	1010*630*920	1010*630*920	1010*630*920
电机铁芯长度和直径	245*130	245*150	270*170	270*170
Standard Features		○ optional, ● Standard configuration		
Oil Protection	●	●	●	●
4x4" Wheels	●	●	●	●
ATS	○	○	○	○
Digital Meter	○	○	○	○
Remote Start System	○	○	○	○
USB Output USB	○	○	○	○
Lighter Output	○	○	○	○
Certification	CE/EU5	CE/EU5	CE/EU5	CE/EU5

# Gasoline Generator (Open)

## SE Series



Model	SE2500CX	SE2800CX	SE3000CX	SE3800CX	SE6500CX	SE7500CX	SE8500CX	SE9500CX
Rated Frequency (Hz)	50/60							
Rated Voltage (V)	110V/220V/230V/240V 380V							
Rated Output (kW)	2.0/2.2	2.2/2.5	2.5/2.8	2.8/3.2	5.0/6.0	6.0/7.0	7.0/8.0	8.0/9.0
Max Output (kW)	2.2/2.5	2.5/2.8	2.8/3.5	3.2/3.8	5.5/6.5	6.5/7.5	7.5/8.5	8.5/9.5
Engine Model	S200	S200	S210	S210	S420	S420	S460	S460
Engine Output	6.5HP	6.5HP	7HP	7HP	15HP	15HP	16HP	16HP
Engine Type	Single Cylinder, Air Cooled, 4-stroke, OHV							
Displacement	196cc	196cc	210cc	210cc	418cc	418cc	458cc	458cc
Ignition System	T.C.I							
Starting System	Manual start/ Electric Start							
Fuel Tank Capacity (L)	15	15	15	15	25	25	25	25
Fuel Consumption	≤395g.kW/h	≤395g.kW/h	≤395g.kW/h	≤395g.kW/h	≤375g.kW/h	≤375g.kW/h	≤375g.kW/h	≤375g.kW/h
Continuous Operating Hour	7h	7h	7h	7h	7h	7h	7h	7h
Dimension (L*W*H) mm	600*440*460	600*440*460	600*440*460	600*440*460	700*530*560	700*530*560	700*530*560	700*530*560
Net Weight (kg)	41.5	43	45	46	80	80	82	85
Wheels & Handles	○	○	○	○	●	●	●	●



Model	SM2500CX	SM2800CX	SM3000CX	SM3800CX	SM6500CX	SM7500CX	SM8500CX	SM9500CX
Rated Frequency (Hz)	50/60							
Rated Voltage (V)	110V/220V/230V/240V 380V							
Rated Output (kW)	2.0/2.2	2.2/2.5	2.5/2.8	2.8/3.2	5.0/6.0	6.0/7.0	7.0/8.0	8.0/9.0
Max Output (kW)	2.2/2.5	2.5/2.8	2.8/3.5	3.2/3.8	5.5/6.5	6.5/7.5	7.5/8.5	8.5/9.5
Engine Model	S200	S200	S210	S210	S420	S420	S460	S460
Engine Output	6.5HP	6.5HP	7HP	7HP	15HP	15HP	16HP	16HP
Engine Type	Single Cylinder, Air Cooled, 4-stroke, OHV							
Displacement	196cc	196cc	210cc	210cc	418cc	418cc	458cc	458cc
Ignition System	T.C.I							
Starting System	Manual start/ Electric Start							
Fuel Tank Capacity (L)	15	15	15	15	25	25	25	25
Fuel Consumption	≤395g.kW/h	≤395g.kW/h	≤395g.kW/h	≤395g.kW/h	≤375g.kW/h	≤375g.kW/h	≤375g.kW/h	≤375g.kW/h
Continuous Operating Hour	7h	7h	7h	7h	7h	7h	7h	7h
Dimension (L*W*H) mm	600*440*460	600*440*460	600*440*460	600*440*460	700*530*560	700*530*560	700*530*560	700*530*560
Net Weight (kg)	41.5	43	45	46	80	80	82	85
Wheels & Handles	○	○	○	○	●	●	●	●

# Gasoline Generator (Open)

## SH Series



● SH3000CX  
SH3500CX



● S3500CX



● SH7500CX  
● SH8000CX  
● SH11000CX



● SH13000CX



● SH23000CX/3

## Open Type Gasoline Generator

Model	机组型号	SH3000CX/3	SH3500CX/3	S3500CX/3	SH7500CX/3	SH8000CX/3	SH11000CX/3	SH13000CX/3	SH15000CX/3	SH23000CX/3
Engine Model		S210-L	S210-L	S210-V	S420	S420-V	S500-V	S670D	S740D	S999D
Displacement (cc)	排量	212cc	212cc	212cc	420cc	420cc	500cc	670CC	740CC	999CC
Start Type	启动方式	Recoil/Electric Start	Recoil/Electric Start	Recoil/Electric Start	Recoil/Electric Start	Recoil/Electric Start	Recoil/Electric Start	Electric Start	Electric Start	Electric Start
Voltage Regulator	调压类型	AVR	AVR	AVR	AVR	AVR	AVR	AVR	AVR	AVR
Tank Capacity (L)	油箱容积	14.5L	14.5L	15.5L	27L	27L	27L	30L	42L	50L
Oil Capacity (L)	机油容量(L)	0.6	0.6	0.6	1.1	1.1	1.1	1.1	1.1	1.1
Noise Level (7m@100%)(dB)	噪声	68	75	76	76	78	78	80	80	84
Running Time (H)	连续运作时间100%	11.5h	8.5h	8h	8.5h	7.5h	6.5h	5.5h	8.5h	7h
Frequency (Hz)	频率	50Hz	50Hz	50Hz	50Hz	50Hz	50Hz	50Hz	50Hz	50Hz
Rated (V)	额定电压	220V	220V	220V	220V	220V	220V/380V(option)	220V/380V(option)	220V/380V(option)	220V/380V(option)
Phase Number	相数	Single phase	Single phase	Single phase	Single phase	Single phase	Single phase	Single phase	Single phase	Single phase
Rated Power (KW)	额定功率	2.0KW	2.7KW	3.0KW	5.0KW	5.5KW	8KW	9.5KW	12KW	17KW
Max Power (KW)	最大功率	2.2KW	3.0KW	3.3KW	5.5KW	6KW	8.5KW	10.5KW	13KW	19KW
Wheels & Handle	轮子和扶手	○	○	○	●	●	●	●	●	●
Compliance	法规符合性			EUV		EUV	EUV	EUV	EUV	EUV
Product Dimension	产品尺寸	590x430x457	590x430x457	593x465x487	690x560x580	690x560x580	690x560x580	823x593x687	825x616x728	940x683x825
Package Dimensions (mm)	包装箱尺寸	610x450x482	610x450x482	613x485x612	710x580x605	710x580x605	710x580x605	843x613x712	845x636x753	960x703x850
Net Weight (kg)	净重	40kg	42kg	44kg	78kg	80kg	93kg	141kg	155kg	246kg

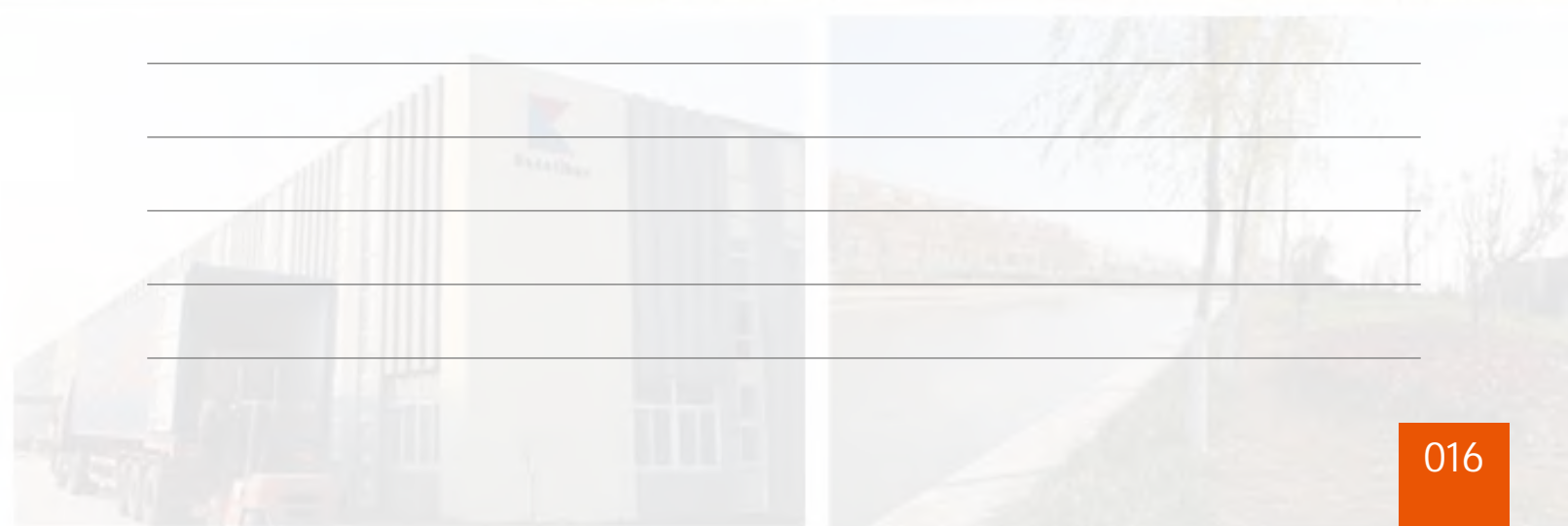
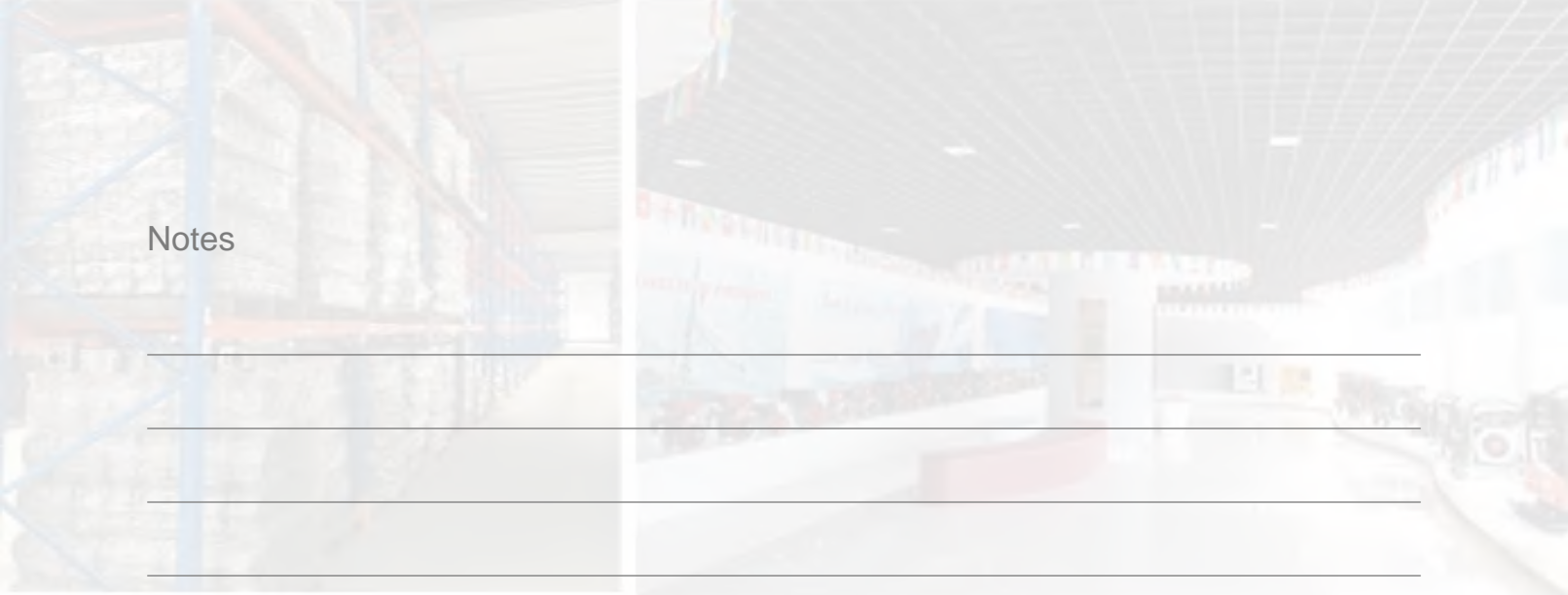
## Open Type Kerosene Generator

Generator Model	机组型号	SK3000CX/3	SK7500CX/3
Engine Model		S210-L	S420
Displacement (cc)	排量	212cc	420cc
Start Type	启动方式	Recoil/Electric Start	Recoil/Electric Start
Voltage Regulator	调压类型	AVR	AVR
Tank Capacity (L)	油箱容积	14.5L	27L
Oil Capacity (L)	机油容量(L)	0.6	1.1
Noise Level (7m@100%)(dB)	噪声	68	76
Running Time (H)	连续运作时间100%	11.5h	8.5h
Frequency (Hz)	频率	50Hz	50Hz
Rated (V)	额定电压	220V	220V
Phase number	相数	Single phase	Single phase
Rated Power (KW)	额定功率	2.0KW	5.0KW
Max Power (KW)	最大功率	2.2KW	5.5KW
Wheels & Handle	轮子和扶手	○	●
Compliance	法规符合性		
Product Dimension	产品尺寸	590x430x457	690x560x580
Package Dimensions (mm)	包装箱尺寸	610x450x482	710x580x605
Net Weight (kg)	净重	40kg	78kg

## Open Type LPG Generator

Generator Model	机组型号	SG3000CX/3	SG7500CX/3
Engine Model		S210-L	S420
Displacement (cc)	排量	212cc	420cc
Start Type	启动方式	Recoil/Electric Start	Recoil/Electric Start
Voltage Regulator	调压类型	AVR	AVR
Tank Capacity (L)	油箱容积	14.5L	27L
Oil Capacity (L)	机油容量(L)	0.6	1.1
Noise Level (7m@100%)(dB)	噪声	68	76
Running Time (H)	连续运作时间100%	11.5h	8.5h
Frequency (Hz)	频率	50Hz	50Hz
Rated (V)	额定电压	220V	220V
Phase Number	相数	Single phase	Single phase
Rated Power (KW)	额定功率	2.0KW	5.0KW
Max Power (KW)	最大功率	2.2KW	5.5KW
Wheels & Handle	轮子和扶手	○	●
Compliance	法规符合性		
Product dimension	产品尺寸	590x430x457	690x560x580
Package Dimensions (mm)	包装箱尺寸	610x450x482	710x580x605
Net Weight (kg)	净重	40kg	78kg

Notes



# Diesel Generator (Silent)



● CLASSIC TYPE



● -1 TYPE



● -3 TYPE

Silent design delivers 72db noise at 7 meter's distance

Customized color provides more choices

Door design ensures easier lubricating oil and battery maintenance

Key start;  
Digital panel optional;  
Customized socket

Removable window ensures convenient air filter maintenance

186FAE diesel engine delivers 5KW max output

4\*4inch wheels ensure easy transportation



Model	S3500DS-1~8/ S3500DS3-1~8	S6500DS-1~8/ S6500DS3-1~8	S7500DS-1~8/ S7500DS3-1~8 SS7500DS/3	S8500DS-1~8/ S8500DS3-1~8 SS8500DS/3	S9500DS-1~8/ S9500DS3-1~8	S11000DS/3 S11000DS/3Pro	S11300DS/3 S11300DS/3Pro	S11500DS/3 S11500DS/3Pro	SW10DES/SW10DES3
Frequency (Hz)	50 / 60	50 / 60	50 / 60	50 / 60	50 / 60	50 / 60	50	50	50 / 60
Rated Voltage (V)	110/115/120/220/230/240/380/400/415/420								
Rated Output KW	2.8 / 3.0	4.5/5.0	5.0/5.5	6.0/6.5	6.5/7	7.5/8	9	9.5	6.5
Max OutputKW	3.0 / 3.3	5.0/5.5	5.5/6.0	6.5/7.0	7/7.5	8/8.5	9.5	10	7
DC Output	12V-8.3A	12V-8.3A	12V-8.3A	12V-8.3A	12V-8.3A	12V-8.3A	12V-8.3A	12V-8.3A	12V-8.3A
Power factor	1/0.8	1/0.8	1/0.8	1/0.8	1/0.8	1/0.8	1/0.8	1/0.8	1/0.8
Noise Level (7m) db (A)	72	72	72	72	72	75	75	78	72
Engine model	S178FE	S186FAE	S188FBE	S192FE	S195FE	S1100FE	S1103F	S1105F	S192FEW
Engine Type	Single Cylinder, 4 Stroke, Air-Cooled, Direct Injection								Single Cylinder Water and Air Cooled 4-stroke
Bore*Stroke (mm)	78*62	86*72	88*75	92*75	95*75	100*85	103*88	105*88	92*75
Displacement (cc)	296	418	456	498	531	667	720	762	498
Fuel Type	0# Diesel (summer) ; -10# Diesel (winter) , -35# Diesel (Very cold)								
Fuel Tank Capacity (L)	20	20	20	20	20	25	25	25	20
Starting System	Electric Start	Electric Start	Electric Start	Electric Start		Electric Start	Electric Start	Electric Start	Electric Start
Net Weight (kg)	122	141	143	151	150	186	210	210	157
Regular Series Packing Size (L*W*H) mm	950*530*700	950*530*700	950*530*700	950*530*700	950*530*700	1065*705*765	1070*720*760	1070*720*760	950*530*700
Pro Series Packing Size (L*W*H) mm	/	/	/	/	/	1070*720*760	1070*720*760	1070*720*760	/
电机铁芯长度和直径 (mm)	190*85	190*132	190*140	204*130	204*148	204*158	245*130	245*130	204*140
Standard Features	○ optional, ● Standard configuration								
Oil Protection	●	●	●	●	●	●	●	●	●
4x4" Wheels	●	●	●	●	●	●	●	●	●
ATS	○	○	○	○	○	○	○	○	○
ATS Suitable Model	EX-ATS -001,EX-ATS -002,EX-ATS -003					EX-ATS -004	EX-ATS -004	EX-ATS -004	EX-ATS -001,EX-ATS -002,EX-ATS -003
Digital Meter	○	○	○	○	○	○	○	○	○
Remote Start System	○	○	○	○	○	○	○	○	○
USB Output USB	○	○	○	○	○	○	○	○	○
Lighter Output	○	○	○	○	○	○	○	○	○



● -4 TYPE



● -5 TYPE



● -6 TYPE

- i** Special inhaust/exhaust sets design, ensuring the generator's internal temperature balance, so the whole genset can work under optimum temperature all along
- i** Bigger fuel tank design makes longer working time
- i** The generator's airtight design and special muffler design enables lower noise and better environment protection
- i** The imported magnetic valve with BOSCH'S fuel injection system makes the engine more stable and durable

- i** Optional parts:
  - a:** 4x4" universal wheel ensures easier movement
  - b:** Digital multifunctional panel and smart panel, enables the generator's status clear to the user
  - c:** ATS uninterruptible power supplies system, so the user can get stable power supply at any time
  - d:** The remote controller enables easier on and off job, this is particularly convenient for the applications without access



- SS6500DS
- SS7500DS
- SS8500DS
- SS9500DS

**OPTIONAL CHOICE FOR GENERATOR**

ATS



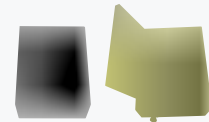
PORTABLE TYPE  
CODE: EX-ATS -001



SIDE ATTACHED TYPE  
CODE: EX-ATS -002



TABLE TYPE  
CODE: EX-ATS -003



SUITCASE TYPE  
CODE: EX-ATS -004

Digital Meter



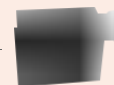
5in1: V,A,F,P,T  
CODE: EX-DM-001



3in1:  
CODE: EX-DM-002



4in1:  
CODE: EX-DM-003

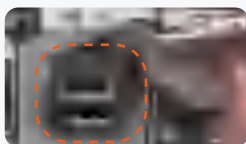


5in1: V,A,P,F,oil alert  
CODE: EX-DM-004

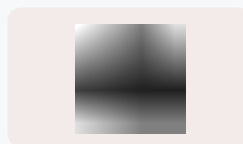


HGM501: Multifunctional Display  
CODE: EX-DM-005

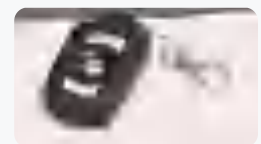
USB Output



Press Button Start/Stop



Remote System



# Diesel Generator (Silent)

- S12000DS/DS3
- S13000DS/DS3



● S15DE



- S12000DS PRO/ DS3 PRO
- S13000DS PRO/ DS3 PRO
- S15000DS/ DS3 PRO
- S18000DS/ DS3 PRO

- i Special inhaust/exhaust sets design, ensuring the generator's internal temperature balance, so the whole genset can work under optimum temperature all along
- i Bigger fuel tank design makes longer working time
- i The generator's airtight design and special muffler design enables lower noise and better environment protection
- i The imported magnetic valve with BOSCH'S fuel injection system makes the engine more stable and durable

Model	S12000DS/DS3 S12000DS PRO/ DS3 PRO	S13000DS/DS3 S13000DS PRO/ DS3 PRO	S15000DS/3Pro	S18000DS/3Pro	S15DE
Frequency (Hz)	50 / 60	50 / 60	50 / 60	50	50 / 60
Rated Voltage (V)		110/115/120/220/230/240/380/400/415			110/120/220/230/240/380/400/415
Rated Output KW	10/10.5	11.5/12	15/15.5	16	8.5/9.5
Max OutputKW	10.5/11	12/12.5	16/16.5	16.5	10/11
DC Output	12V-8.3A	12V-8.3A	12V-8.3A	12V-8.3A	12V-8.3A
Power Factor	1/0.8	1/0.8	1/0.8	1/0.8	1/0.8
Noise Level (7m) db (A)	73	73	75	78	72
Engine Model	SV288FE	SV292FE	SV295FE	S2V98F	EV80
Engine Type		V-Twin Cylinder, 4 Stroke, Air-Cooled, Direct Injection			V-twin, 4-stroke, water cooled, direct injection
Bore*Stroke (mm)	2-88*75	2-92*75	2-95*88	2-98*88	2-80*79
Displacement (cc)	912	997	1247	1326	794
Fuel Type		0 # Diesel (Summer) ; -10# Diesel (Einter) , -35# Diesel (Very cold)			
Fuel Tank Capacity (L)	25	25	25	25	32
Starting System	Electric Start	Electric Start	Electric Start	Electric Start	Electric start
Net Weight (kg)	257	267	297	335	260
Regular Series Packing Size (L*W*H) mm	1125*680*895	1125*680*895	/	/	/
Pro Series : Packing Size (L*W*H) mm	1325*825*940	1325*825*940	1325*825*940	1325*825*940	1380*780*1085
电机铁芯长度和直径 (mm)	245*130	245*150	270*170	270*170	270*170
Standard Features	○ Optional, ● Standard Configuration				
Oil Protection	●	●	●	●	●
4x4" Wheels	●	●	●	●	●
4x3" Wheels	●	●	/	/	/
ATS	○	○	○	○	○
ATS Suitable Model	EX-ATS -004	EX-ATS -004	EX-ATS -004	EX-ATS -004	EX-ATS -004
Digital Meter	○	○	○	○	○
Remote Start System	○	○	○	○	○
USB Output USB	○	○	○	○	○
Lighter Output	○	○	○	○	○
Certification	CE/EU5	CE/EU5	CE/EU5	CE/EU5	CE/EU5



## Features



- S5000CXS-1
- SG5000CXS-1
- S6500CXS-4
- S6500CXS-1
- SG6500CXS-1
- S7500CXS-4
- SG5000CXS-4
- SG6500CXS-4
- S7500CXS-1
- SG7500CXS-1
- SG7500CXS-4



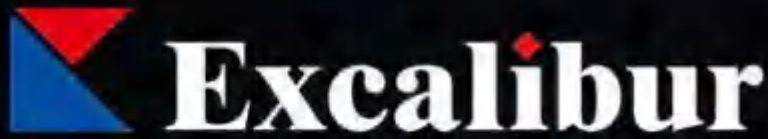
- SS5000CXS
- SSG5000CXS
- SS6500CXS
- SSG6500CXS
- SS7500CXS
- SSG7500CXS

## Silent Gasoline Generator

Model	S5000CXS-1 S5000CXS-4 SS5000CXS	S6500CXS-1 S6500CXS-4 SS6500CXS	S7500CXS-1 S7500CXS-4 SS7500CXS
Rated Power	5kw	6kw	7kw
Max Power	5.5kw	6.5kw	7.5kw
Voltage	110,120,220,230,240		220/380
Frequency	50/60		
Phase	1.0/0.8(three-phase)		
Alternator Winding System	100% Copper Wire		
Noise Level (7m) db(A)	65		
Engine Model	S390F	S420F	S460F
Output Horse Power	13HP	15HP	16HP
Displacement	389cc	420cc	459cc
Engine Type	Single cylinder,4-Stroke, Air-Cooled		
Starting System	Recoil/Electric Start		
Igniting System	T.C.I		
Fuel Tank Capacity	28		
Continuous Operating Time	9.6	7.1	6.4
Lube.Oil Capacity	1.1L	1.1L	1.2L
Dimension (LxWxH)	950*545*710/950*520*710		
Net Weight	132/142	135/145	137/147

## Silent LPG Generator

Model	SG5000CXS-1 SG5000CXS-4 SSG5000CXS	SG6500CXS-1 SG6500CXS-4 SSG6500CXS	SG7500CXS-1 SG7500CXS-4 SSG7500CXS
Rated Power	5kw	6kw	7kw
Max Power	5.5kw	6.5kw	7.5kw
Voltage	110,120,220,230,240		220/380
Frequency	50/60		
Phase	1.0/0.8(three-phase)		
Alternator Winding System	100% Copper Wire		
Noise Level (7m) db (A)	65		
Engine Model	S390F	S420F	S460F
Output Horse Power	13HP	15HP	16HP
Displacement	389cc	420cc	459cc
Engine Type	Single Cylinder, 4-Stroke, Air-cooled		
Starting System	Recoil/Electric Start		
Igniting System	T.C.I		
Fuel Tank Capacity	28		
Continuous Operating Time	9.6	7.1	6.4
Lube.Oil Capacity	1.1L	1.1L	1.2L
Dimension (LxWxH)	950*545*710/ 950*520*710		
Net Weight	132/142	135/145	137/147



JIANGSU EXCALIBUR POWER MACHINERY CO.,LTD.

NO POWER? NO ELECTRICITY?  
**NO PROBLEM!**

# INVERTER

DIESEL GENERATOR

### ADVANTAGE :

- Save up to 40% of the fuel
- Less noise
- Portable in size and weight



MODEL	SD8500i/3
<b>Engine</b>	
Engine type	SD420F1
Displacement L	0.42
Starter system	Recoil starter, electric system
<b>Generator set</b>	
Rated frequency	50 / 60 Hz
Prime power	5kW
Standby power	5.5kW
Rated voltage	230V/380V
DC output	12V-5.0 A
Fuel tank capacity	15 L
Continuous running time(rated output)	9.5 h
Noise(unload-full load)	68-75 dB(A)/7m
Dimension(LxWxH)	840 x 570 x 700 mm
Net weight	135 kg

## Inverter Diesel Generator (Open)



Model	SD6800Ei/ 3	SD7800Ei/ 3	SD8800Ei/ 3	SD9800Ei/ 3	SD11600Ei/3	SD11800Ei/3	SD12800Ei/3	SD13800Ei/3
Frequency (Hz)	50 / 60	50 / 60	50 / 60	50 / 60	50 / 60	50 / 60	50 / 60	50 / 60
Rated Voltage (V)	220/230/240/380/400/415							
Rated Output KW	5.0/5.5	5.5/6.0	6.5/7	7/7.5	8.5	9.5	11	12
Max OutputKW	5.5/6.0	6.0/6.5	7/7.5	7.5/8	9	10	11.5	12.5
DC Output	12V 8.3A	12V 8.3A	12V 8.3A	12V 8.3A	12V 8.3A	12V 8.3A	12V 8.3A	12V 8.3A
Power Factor	1/0.8	1/0.8	1/0.8	1/0.8	1/0.8	1/0.8	1/0.8	1/0.8
Noise Level (7m) db (A)	77	77	77	85	85	86	83	84
Engine Model	S186FAE	S188FBE	S192FE	S195FE	S1100FE	S1105F	SV288FE	SV292FE
Engine Type	Single Cylinder, 4 Stroke, Air-Cooled, Direct Injection						V-Twin Cylinder, 4 Stroke, Air-Cooled, Direct Injection	
Bore*Stroke (mm)	86*72	88*75	92*75	95*75	100*85	105*88	2-88*75	2-92*75
Displacement (cc)	418	456	498	531	667	762	912	997
Fuel Type	0#Diesel(Summer), -10#Diesel (Winter), -35#Diesel(Very cold)							
Fuel Tank Capacity (L)	12.5	12.5	12.5	12.5	12.5	12.5	25	25
Starting System	Electric start							
Net Weight (kg)	82	84	91	92	120	140	180	185
Packing Size (L*W*H) mm	685*510*690			790*560*660		860*560*720	760*660*900	
Alternator Type	Permanent Magnet Alternator							

# Inverter Gasoline Generator (Open)



Generator Model	S4000i	S6000iD	S8000iD
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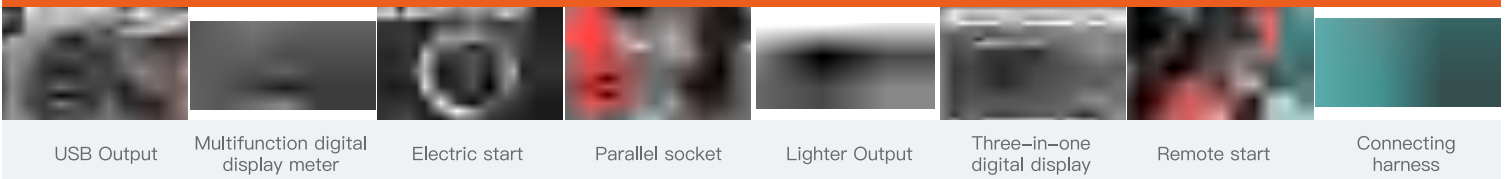
Generator Type	INVERTER GENERATOR		
AC Frequency (Hz)	50	50	50
DC Output (V/A)	12/8.3	12/8.3	12/8.3
AC Output Voltage (V)	230	230	230
Current A	13.9	24	30.4
Cont AC Output (Kw)	3.2	5	7
Max AC Output (Kw)	3.5	5.5	7.5
Phase Number	Single phase	Single phase	Single phase
Engine Model	S210	S300	S420
Engine Type	Single cylinder, Forced Air Cooling, 4- stroke		
Starting System	Recoil start	Recoil start/ Electric start	
Bore*Stroke (mm)	70x55	80x60	90x66
Fuel Tank Capacity (L)	7	16	16
Oil Capacity (L)	0.45	0.8	1.1
Sockets	European socket (Optional)		
Packing Dimensions (mm)	502X350X495	605X514X537	605X514X537
Net Weight (kg)	32	60	65
Displacement (ml)	212CC	300	420
Fuel Consumption (g/kw.h)	500	600	1000
Continuous Running Time (h)	7(50% load)	9.0(50% load)	5(50% load)
Certification			
Oil Protection	●	●	●
Display Meter	○	●	●
USB Output	●	●	●
DC12V Output	●	●	●
Lighter Output	○	○	○
Starting Mode	/	●	●
Remote Start	/	○	○
Parallel Mode	●	●	●
THD (%)	≤3	≤3	≤3

## Open Gasoline Inverter Generator

- S6000iD
- S8000iD



### OPTIONAL CONFIGURATION





## Inverter Gasoline Generator (Open)

### Open Gasoline Inverter Generator

- SX4000i
- SX5000i
- SX6000i

### Features

- i** Using permanent magnet brushless alternator, 100% copper, the conversion rate is upto 90%, saving fuel about 10%
- i** Stable power output, THD < 3%
- i** Multiple machines can be connected in parallel
- i** Compact size and light weight, less than 32kg



Model	SX4000i	SX5000i	SX6000i
Rated Voltage	220V AC	220V AC	220V AC
Rated Frequency	50Hz	50Hz	50Hz
Rated Current	13A	17A	20A
Rated Output	3200W	4000W	4500W
Max. Output	3500W	4200W	5000W
Distortion Rate (THD)	< 3%	< 3%	< 3%

# Inverter Gasoline Generator (Silent)

## S3100iS

### Features

- Small size, light weight, sine wave.
- Intelligent inverter control system can automatically adjust engine speed according to the load situation to reduce fuel consumption.
- Can be freely switched between 50HZ and 60HZ and realize 2 machines parallel, more convenient to use.



## S8100iE

### Features



- Easy to repair, disassemble and maintain.
- Easy to start: can be successfully started in three times under -5 to 40 °C.
- Long service life: using lithium battery and no need supplemental power within 2 years.
- Multiple optional configuration: remote start, one button start, reset, USB, network connection and others.
- Using double stepping motor and carburetor to control, can realize one-button start, remote control and remote APP control.



Generator Model	S1000i	S1000i	S1250iS	S2000iS-C	S2000iS	S2500iS	S3100iS	S3500iE	S8000iE
Generator Type	INVERTER GENERATOR								
AC Frequency (Hz)	50	50	50	50	50	50	50	50	50
DC Output (V/A)	12/8.3	12/8.3	12/8.3	12/8.3	12/8.3	12/8.3	12/8.3	12/8.3	12/8.3
AC Output Voltage (V)	230	230	230	230	230	230	230	230	230
Current A	4.3	4.3	4.3	6.9	7.8	10.0	13.0	13.0	32.6
Cont AC Output (Kw)	0.7	1	1.0	1.6	1.8	2.3	3.0	3.0	7.5
Ma AC Output (Kw)	0.8	1.1	1.2	2.0	2.0	2.5	3.3	3.3	8.0
Phase Number	Single phase	Single phase	Single phase	Single phase	Single phase	Single phase	Single phase	Single phase	Single phase
Engine Model	S56i	S56i	S60i	S80i	S80i	S120i	S185i	S210i	S420i
Noice Level (7m@25%)(dB)	65	65	63	67	67	67	70	66	76
Engine Type	Single cylinder, Forced Air Cooling, 4- stroke								
Starting System	Recoil start	Recoil start	Recoil start	Recoil start	Recoil start	Recoil start	Recoil start	Recoil start/ Electric start /Remote start	
Bore*Stroke (mm)			45x38	48.6x43	64x43	64x46	70x48	70x55	90x66
Fuel Tank Capacity (L)	3.2	3.2	2.6	3.5	4.0	4.5	5.0	8.3	24
Oil Capacity (L)	0.28	0.28	0.3	0.35	0.35	0.5	0.5	0.5	1.1
Sockets	European socket								
Product Dimension	336*327*306	336*327*306	450*240*395	498*290*459	498*290*459	520*320*450	588*415*531	605*432*493	699*641*643
Packing Dimensions (mm)	350*335*315	350*335*315	470*26*420	515*305*480	520*310*485	540*340*475	608*435*555	625*452*520	725*661*670
Net Weight (kg)	12	12	13	22	22	25	29	44.5	76
Displacemen t(ml)	56	56	60	80	80	120	185	210	420
Fuel Consumption (g/kw.h)	530	550	460	580	600	800	660	970	3000
Continuous Running Time (h)	6(50% load)	5.5(50% load)	5.5(50% load)	6(50% load)	6(50% load)	5(50% load)	7.5(50% load)	8.5(50% load)	8(50% load)
Certification	EPA/CARB/CE/EU5								
Oil Protection	●	●	●	●	●	●	●	●	●
Display Meter	/	/	/	/	○	○	○	●	●
USB Output	/	/	●	●	●	●	●	●	●
DC12V Output	/	/	●	●	●	●	●	●	●
Lighter Output	○	○	○	○	○	○	○	○	○
Starting Mode	/	/	/	/	/	/	○	●	●
Remote Start	/	/	/	/	/	/	○	○	●
Parallel Mode	○	○	●	●	●	●	●	●	●
THD (%)	≤3	≤3	≤3	≤3	≤3	≤3	≤3	≤3	≤3

## Features

- i Silent design, safe and fuel efficient
- i Automatic start and stop, oil shortage protection, overload protection
- i Novel appearance design, compact size
- i Permanent magnet motor, 100% copper, stable performance

### Type

### SDC2000DS 24V DC

Engine	Engine Model	170FB
	Starting Method	Electric Start
	Fuel Consumption	0.6L/h
	Oil Capacity (L)	0.8
	Fuel Tank Capacity (L)	5.5
Generator	Voltage (V)	24V
	Rated Output (KVA)	2
	Max Charging Current (A)	75
	Insulation Level	F
	Noise Level (dB)	≤72
	Charging Method	Automatic Charging When The Battery Is Out Of Power
	Packing Size (L*W*H) (mm)	680*420*525
Weight (kg)	65	



## EXCALIBUR WELDER & GENERATOR

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Excalibur Welder & Generator creates power for welding without reliance on mains electricity.

Simply fill up the fuel tank, just as you would for a regular generator, and the welder generator will power your welding equipment wherever you need it.

As a result, welder generators have become essential equipment for onshore, offshore, constructions sites, farms, industry and more, where electric power supply is erratic or non-existent.



**EXCALIBUR GASOLINE /  
DIESEL WELDER AND  
GENERATOR SERIES**





LOW FUEL CONSUMPTION



100% COPPER ALTERNATOR



AC GENERATOR



ARC WELDING

**029** DIESEL WELDER & GENERATOR (OPEN)

**030** GASOLINE WELDER & GENERATOR (OPEN)

**031** DIESEL WELDER & GENERATOR (SILENT)

**032** INVERTER DIESEL WELDER & GENERATOR (OPEN)

**035** INVERTER GASOLINE WELDER & GENERATOR (OPEN)

**036** INVERTER DIESEL WELDER & GENERATOR (SILENT)

**037** 550-600A DIESEL WELDER & GENERATOR

# Classic Type Diesel Welder And Generator (Open Type)



● S6500DEW



## SINGLE PHASE ONLY

- ✓ Max DC welding output of 180A
- ✓ 2000 max starting watts, 1800 running watts
- ✓ Features a powerful, reliable Excalibur 418cc diesel engine
- ✓ 13.8 hours runtime at 50% load
- ✓ Electric start with manual backup, 12v battery included
- ✓ Digital display for fast, easy weld setups (optional)
- ✓ Included 8 in. wheel kit for easy jobsite portability

## Accessories:



Model	S6500D(E)W		S7500D(E)W		S8500D(E)W	
Frequency (HZ)			50 / 60			
Rated Voltage (V)			110, 120, 220, 230, 240			
Rated Output KW	4.6/5.0	1.8/2.0	2.0/2.2	5.0/5.5	2.8/3.0	6.0/6.5
DC Output			12V-8.3A			
Power Factor			1.0			
Welding Voltage(DC)(V)			25-30			
Rated Welding Current DC	50A-180A		50A-190A		50A-230A	
Electrode (mm)			1.6-4.0			
Noise Level (7m) db (A)			69-72			
Engine Model	S186FA(E)		S188FB(E)		S192F(E)	
Fuel Tank Capacity (L)			20			
Continuous Running Time (hr)	5.8		5.3		4	
Starting System			Manual /Electric Start			
Packing Size (L*W*H) mm			950*545*710			
Net Weight (KG)	115		120		126	

Model	S10000DEW
Frequency (HZ)	50Hz or 60Hz
Rated Voltage (V)	110V, 120V, 220V, 230V, 240V
Rated Output KW	3.5 / 4.0
DC Output	12V-8.3A
Power Factor	1.0
Welding Voltage (DC) (V)	25-30
Rated Welding Current DC	50A-300A
Electrode (mm)	1.6-6.0
Noise Level (7m) db (A)	8
Engine Model	S292FE
Fuel Tank Capacity (L)	28
Continuous Running Time (hr)	5.3
Starting System	Electric Start
Packing Size (L*W*H) mm	1010*630*920
Net Weight (KG)	220



● S10000DEW



## SINGLE PHASE ONLY

- ✓ Max DC welding output of 300A
- ✓ 3500 max starting watts, 4000 running watts
- ✓ Features a powerful, reliable Excalibur 997cc twin cylinder diesel engine
- ✓ 14 hours runtime at 50% load
- ✓ Electric start, 12v battery included
- ✓ Digital display for fast, easy weld setups (optional)
- ✓ Included 4 in. universal wheel kit for easy jobsite portability

## Accessories:





● S8500CXW



### SINGLE PHASE ONLY

- ✓ Max DC welding output of 230A
- ✓ 2800 max starting watts, 3000 running watts
- ✓ Features a powerful, reliable Excalibur 465cc gasoline engine
- ✓ 13 hours runtime at 50% load
- ✓ Electric start with manual backup, 12v battery included
- ✓ Digital display for fast, easy weld setups (optional)
- ✓ Included 8 in. wheel kit for easy jobsite portability

### Accessories:



Model	S6500CXW	S7500CXW	S8500CXW
Frequency (HZ)	50Hz or 60Hz	50Hz or 60Hz	50Hz or 60Hz
Rated Voltage (V)		110V, 220V, 230V, 240V	
Rated Output kW	1.8 / 2.0	2.0 / 2.2	2.8 / 3.0
DC Output	12V-8.3A	12V-8.3A	12V-8.3A
Power Factor	1.0	1.0	1.0
Welding Voltage (DC) (V)	50-30	50-30	50-30
Rated Welding Current DC	50A-180A	50A-190A	50A-230A
Electrode (mm)	1.6-4.0	1.6-4.0	1.6-4.0
Noise Level (7m) db (A)	68	68	68
Engine Model	S420	S420	S460
Fuel Tank Capacity (L)	25	25	25
Continuous Running Time (hr)	13h	13h	13h
Starting System		Manual / Electric Start	
Packing Size (L*W*H) mm	750*600*640	750*600*640	750*600*640
Net Weight (KG)	95	97	103

# Classic Type Diesel Welder & Generator (Silent Type)

## ● S6500DSW



### Accessories:



Model	S6500DSW-1	S7500DSW-1	S8500DSW-1
Frequency (HZ)	50 / 60		
Rated Voltage (V)	110, 120, 220, 230, 240		
Rated Output KW	4.6/5.0 1.8/2.0	2.0/2.2 5.0/5.5	2.8/3.0 6.0/6.5
DC Output	12V-8.3A		
Power Factor	1.0		
Welding Voltage(DC)(V)	25-30		
Rated Welding Current DC	50A-180A	50A-190A	50A-230A
Electrode (mm)	1.6-4.0		
Noise Level (7m) db (A)	69-72		
Engine Model	S186FA(E)	S188FB(E)	S192F(E)
Fuel Tank Capacity (L)	20		
Continuous Running Time (hr)	9.1	8.3	6.7
Starting System	Electric Start		
Packing Size (L*W*H) mm	950*545*710		
Net Weight (KG)	153	155	160

Model	SS6500DSW	SS7500DSW	SS8500DSW
Frequency (HZ)	50 / 60		
Rated Voltage (V)	110, 120, 220, 230, 240		
Rated Output KW	4.6/5.0 1.8/2.0	2.0/2.2 5.0/5.5	2.8/3.0 6.0/6.5
DC Output	12V-8.3A		
Power Factor	1.0		
Welding Voltage(DC)(V)	25-30		
Rated Welding current DC	50A-180A	50A-190A	50A-230A
Electrode (mm)	1.6-4.0		
Noise Level (7m) db (A)	69-72		
Engine Model	S186FA(E)	S188FB(E)	S192F(E)
Fuel Tank Capacity (L)	20		
Continuous Running Time (hr)	9.1	8.3	6.7
Starting System	Electric Start		
Packing Size (L*W*H) mm	950*545*710		
Net Weight (KG)	153	155	160

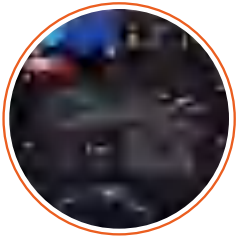
- SS6500DSW
- SS7500DSW
- SS8500DSW





## Inverter Type Diesel Welder And Generator

### Product Features:



#### IGBT technology and smartmodule:

Ensure multiple protections for overheating and undervoltage, avoiding damage to the machine

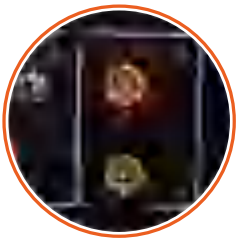


#### Energy saving and higher efficiency:

Saving around 25% fuel than traditional welding machine



#### Fuel injector& pump come from the most famous brand in China--NJ



#### DKJ 35-50 quick welding connector:

Improve working efficiency



#### City power connector:

Ensures welding under city power(optional)



#### 3 in 1 display & welding current display:

Various digital display options

### Accessories:



Standard Accessories: Mask & Welding Clamp

# Inverter Diesel Welder & Generator (Open)



## S6500DEWi

20A – 180A

5000W starting/ 4500W running

Welding current display, 3 in 1 display

IGBT module

Yes

Yes

Output Amp

Generator Power

Digital Display

Rectification Circuit

Simultaneous use of Welding & Generating

Three Phase

## S6500DEW

50A – 180A

2000W starting/ 1800W running

No




2\*3 diodes in parallel

No

No

Model	S6500D(E)Wi / S6500D(E)Wi3	S7500D(E)Wi / S7500D(E)Wi3	S8500D(E)Wi / S8500D(E)Wi3
Frequency (HZ)	50Hz or 60Hz		
Rated Voltage (V)	110V, 120V, 220V, 230V, 240V, 380V, 400V, 415V		
Rated Output KVA	4.6 / 5.0	5.0 / 5.5	6.0 / 6.5
DC Output	12V-8.3A		
Power Factor	1.0 / 0.8 (three-phase)		
Welding Voltage(DC)(V)	20 – 30		
Rated Welding Current DC	20A-180A	20A-190A	20A-230A
Electrode (mm)	1.6 – 4.0		
Noise Level (7m) db (A)	77		
Engine Model	S186FA(E)	S188FB(E)	S192F(E)
Fuel Tank Capacity (L)	12.5		
Continuous Running Time (hr)	5.8	5.3	4.2
Starting System	Manual / Electric Start		
Packing Size (L*W*H) mm	760*540*675		
Net Weight (KG)	115	117	120



-  IGBT Technology
-  Welding and Generating Function
-  Energy Saving and Higher Efficiency



## Specifications:

Model	S10000D(E)Wi / S10000D(E)Wi3
Frequency (HZ)	50Hz or 60Hz
Rated Voltage (V)	110V, 120V, 220V, 230V, 240V, 380V, 400V, 415V
Rated Output kW	11.5/12
DC Output	12V-8.3A
Power Factor	1.0 / 0.8 (three-phase)
Welding Voltage (DC) (V)	20-30
Rated Welding Current DC	20A-300A
Electrode (mm)	1.6 - 6.0
Noise Level (7m) db (A)	83
Engine Model	SV292FE
Fuel Tank Capacity (L)	28
Continuous Running Time (hr)	5.3
Starting System	Electric Start
Packing Size (L*W*H) mm	1010*630*920
Net Weight (KG)	215

# Inverter Gasoline Welder & Generator (Open)



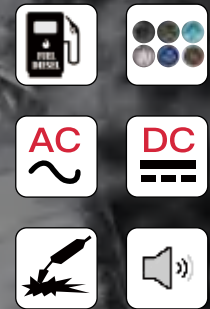
● S8500CXWi



## Specifications:

Model	S6500CXWi / S6500CXWi3	S7500CXWi / S7500CXWi3	S8500CXWi / S8500CXWi3
Frequency (HZ)	50Hz or 60Hz	50Hz or 60Hz	50Hz or 60Hz
Rated Voltage (V)	"110V, 120V, 220V, 230V, 240V 380V, 400V, 415V"	"110V, 120V, 220V, 230V, 240V 380V, 400V, 415V"	"110V, 120V, 220V, 230V, 240V 380V, 400V, 415V"
Rated Output KW	5 / 5.5	6 / 6.5	7.0 / 7.5
DC Output	12V-8.3A	12V-8.3A	12V-8.3A
Power Factor	1.0/0.8 (three-phase)	1.0/0.8 (three-phase)	1.0/0.8 (three-phase)
Welding Voltage (DC) (V)	20-30	20-30	20-30
Rated Welding Current DC	20A-180A	20A-190A	20A-230A
Electrode (mm)	1.6-4.0	1.6-4.0	1.6-4.0
Noise Level (7m) db (A)	68	68	68
Engine Model	S420	S420	S460
Fuel Tank Capacity (L)	25	25	25
Continuous Running Time (hr)	13h	13h	13h
Starting System	Manual / Electric start	Manual / Electric start	Manual / Electric start
Packing Size (L*W*H) mm	750*600*640	750*600*640	750*600*640
Net Weight (KG)	95	97	103





**S6500DEWi**

- 20A – 180A
- 5000W starting/ 4500W running
- Welding current display, 3 in 1 display
- IGBT module
- Yes
- Yes

Output Amp  
 Generator Power  
 Digital Display  
 Rectification Circuit  
 Simultaneous use of Welding & Generating  
 Three Phase

**S6500DEW**

- 50A – 180A
- 2000W starting/ 1800W running
- No
- 2\*3 diodes in parallel
- No
- No

Model	S6500DSWi / S6500DSWi3	S7500DSWi / S7500DSWi3	S8500DSWi / S8500DSWi3
Frequency (HZ)	50Hz or 60Hz	50Hz or 60Hz	50Hz or 60Hz
Rated Voltage (V)	110V, 120V, 220V, 230V, 240V, 380V, 400V, 415V		
Rated Output KW	4.6 / 5.0	5.0 / 5.5	6.0 / 6.5
DC Output	12V-8.3A	12V-8.3A	12V-8.3A
Power Factor	1.0/0.8 (three-phase)	1.0/0.8 (three-phase)	1.0/0.8 (three-phase)
Welding Voltage (DC) (V)	20-30	20-30	20-30
Rated Welding Current DC	20A-180A	20A-190A	20A-230A
Electrode (mm)	1.6-4.0	1.6-4.0	1.6-4.0
Noise Level (7m) db (A)	72	72	72
Engine Model	S186FA(E)	S188FB(E)	S192F(E)
Fuel Tank Capacity (L)	20	20	20
Continuous Running Time (hr)	9.3	8.5	6.7
Starting System	Electric Start	Electric Start	Electric Start
Packing Size (L*W*H) mm	1060*545*700	1060*545*700	1060*545*700
Net Weight (KG)	155	160	165

# 550-600A Diesel Welder & Generator

● S30000DW



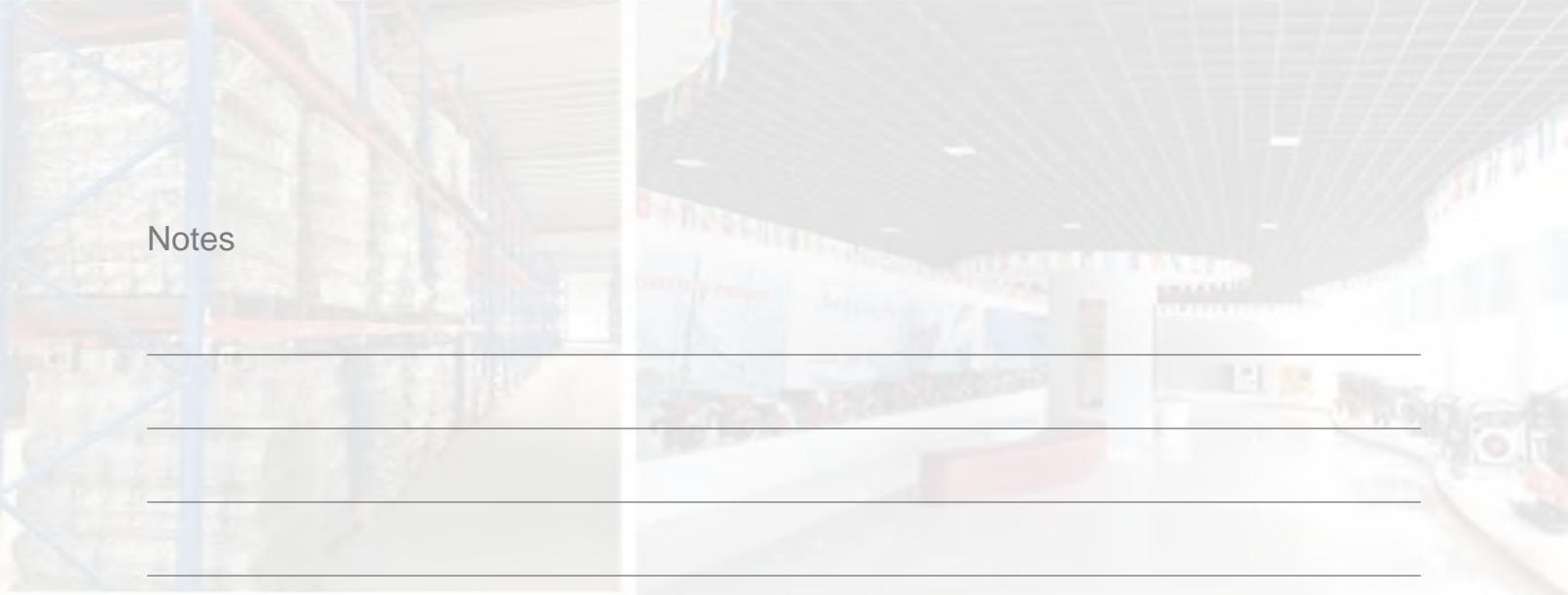
Model		S30000DW
Welder Specs	Rated Welding Current	600A
	Current Range	50–600A
	Rated Welding Voltage	26–30V
	Electrode Diameter	2.0–8.0mm
	No-load Voltage	65V
Generator Specs	Continuous Load	100%
	Rated Output	30kW
	Rated Voltage	220V / 380V
	Phase	Three Phase
	Frequency	50Hz
	Rotation Speed	1500rpm
	Insulation class	H
Engine Specs	Continuous Running Time	8–12h
	Engine Model	4100D
	Rated Output	30.1kW
	No. of Cylinder	4
	Intake method	Natural Inhale
	Type of Fuel	0#/-10# diesel
	Displacement	3.61L
	Fuel Consumption	206g/kw.h
	Lubrication Method	Pressure Splash Lubrication
	Oil Capacity	8L
Genset	Fuel Tank Capacity	60L
	Protective Device	yes
	Dimension (L*W*H)	2400*1100*1200mm
	Net Weight	860kg
	Dimension with Trailer (L*W*H) Net Weight with Trailer	2400*1650*1800mm 1200kg



Two holders can be used simultaneously, each capable is 20–250A current.

Model		S18000DEW/i
Welder and Generator Specs	Frequency (HZ)	50
	Rated Voltage (V)	220
	Rated Output (KW )	15
	Phase	Single Phase
	Welding Voltage(DC)(V)	20–28
	Rated Welding Current DC	20A–500A
Engine Specs	Electrode (mm)	1.6–6.0
	Engine Model	SV298F
	Engine Type	Air cooled, 4–stroke, twin cylinder
	Displacement	1.247L
	Type of Fuel	0 # ( Summer) –10 # (Winter) , –35 # ( Very cold) Diesel
Genset	Lubricate Oil Capacity	4.6L
	Type of Lubricate Oil	SAE10W30
	Noise Level (7m) db (A)	75
	Fuel tank capacity (L)	28
	Continuous running time(hr)	5
	Starting system	Electric start
	Machine size (L*W*H) mm Net weight (KG)	1380*780*1085mm 310kg

Notes





## EXCALIBUR THOR SERIES

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Diesel generators can be used as emergency power where there is a power outage or where there is no connection to the grid.

Excalibur THOR series generators can be used to run power tools or appliances such as alternators, computers, multiple ceiling fans, etc. They are suitable for small offices, stores and homes.



**EXCALIBUR THOR SERIES**  
**2 YEAR WARRANTY**



LOW FUEL CONSUMPTION



100% COPPER ALTERNATOR



AC GENERATOR



ARC WELDING

**041**

ENGINE

**042**

WATER PUMP

**045**

GENERATOR

# Engine

## Excalibur THOR series



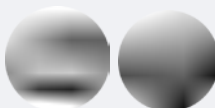
### Fuel System Technology



Cylinder head using low-pressure casting aluminum alloy, intake and exhaust passages reasonable designed, air-tight fully inspected, ensure sufficient burning, providing stable and excellent performance.

### Air Cleaner System

High grade air filter, ensure strong anti-petrol and high filtering effect, also strengthen protection of engine. Unique 52 folding edges filter edge design, providing larger intake area.



Unique diamond-shaped protecting net in both side of filter, protecting filter while ensuring intake air inflow, enhance filter service time.

### Advanced Noise-reduce Design

Unique wholly-wrap type silencer, improve noise reduction effect and control engine temperature rise, in order to meet high-end market requirement.



**BOSCH brand pump nozzle**, ensure excellent atomization effect, highly improve the engine's power and fuel economy of engine, adapt to higher emission standard.



**Schaeffler bearing**, ensure engine high precision running, lower noise, longer service time.



**ATG piston ring**, labyrinth air leakage circuit, increasing air leakage resistance, reduce air leakage, ensure stable engine performance.

Engine Model	EM170F	EM178F	EM186F	EM188F
Type	Single-cylinder, Vertical, Air-cooled, 4-stroke, Direct injection	Single-cylinder, Vertical, Air-cooled, 4-stroke, Direct injection	Single-cylinder, Vertical, Air-cooled, 4-stroke, Direct injection	Single-cylinder, Vertical, Air-cooled, 4-stroke, Direct injection
Bore x Stroke	70 x 55 mm	78 x 62 mm	86 x 72 mm	88 x 75 mm
Displacement	0.211 L	0.296 L	0.418 L	0.456 L
Compression Ratio	20:1	20:1	19:01	19:01
Rated Power/ Rated Speed	2.5 kW/3000 r/min, 2.8 kW/3600 r/min	3.68 kW/3000 r/min, 4 kW/3600 r/min	5.7 kW/3000 r/min, 6.3 kW/3600 r/min	6.7113 kW/3000 r/min, 7.457 kW/3600 r/min
Lowest Rotation Speed At Zero Load	≤1300 r/min	≤1300 r/min	≤1300 r/min	≤1300 r/min
Lubricating System	Pressure Splashed	Pressure Splashed	Pressure Splashed	Pressure Splashed
Starting System	Recoil Starter/Electric Starter	Recoil Starter/Electric Starter	Recoil Starter/Electric Starter	Recoil Starter/Electric Starter
Rotation Direction	Anticlockwise	Anticlockwise	Anticlockwise	Anticlockwise
Fuel Type	0#, -10#, -20# diesel	0#, -10#, -20# diesel	0#, -10#, -20# diesel	0#, -10#, -20# diesel
Fuel Tank Capacity	2.5 L	3.5 L	5.5 L	5.5 L
Fuel Consumption/Related Rotation Speed	280.2 g/kW.h/3000 r/min, 288.3 g/kW.h/3600 r/min	276.1 g/kW.h/3000 r/min, 285.6 g/kW.h/3600 r/min	275.1 g/kW.h/3000 r/min, 281.5 g/kW.h/3600 r/min	276.1 g/kW.h/3000 r/min, 285.6 g/kW.h/3600 r/min
Lube Oil Type	CD grade or SAE 10W-30, 15W-40	CD grade or SAE 10W-30, 15W-40	CD grade or SAE 10W-30, 15W-40	CD grade or SAE 10W-30, 15W-40
Lube Oil Capacity	0.75 L	1.1 L	1.65 L	1.65 L
Starting Motor Capacity	12 V 0.8 kW	12 V 0.8 kW	12 V 0.8 kW	12 V 0.8 kW
Charging Generator Capacity	12 V 3 A	12 V 3 A	12 V 3 A	12 V 3 A
Battery Capacity	12 V 24 Ah - 36 Ah	Above 12 V 36 Ah	Above 12 V 36 Ah	Above 12 V 36 Ah
Overall Dimension	335 x 380 x 415 mm	385 x 420 x 450 mm	420 x 440 x 495 mm	500 x 460 x 555 mm
Dry Weight	≤27 kg (Recoil Starter)	≤38 kg (Electric Starter)	52 kg (Electric Starter)	≤47 kg (Eecoil Starter) ≤53 kg (Electric Starter)



# Clear Water Pump

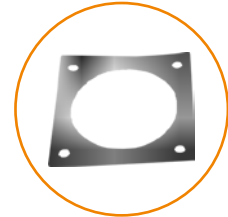
Excalibur THOR series



Excalibur THOR Series water pump models are for a wide variety of applications in agriculture, industry, residential, rental, etc. From our clean water pumps to our trash pumps, each of our pumps offers outstanding performance. Excalibur THOR Series diesel engines are the heart of our pump line. They start easily and provide sufficient and stable power for the job at hand.



● EDP30



## Clear Water Pump

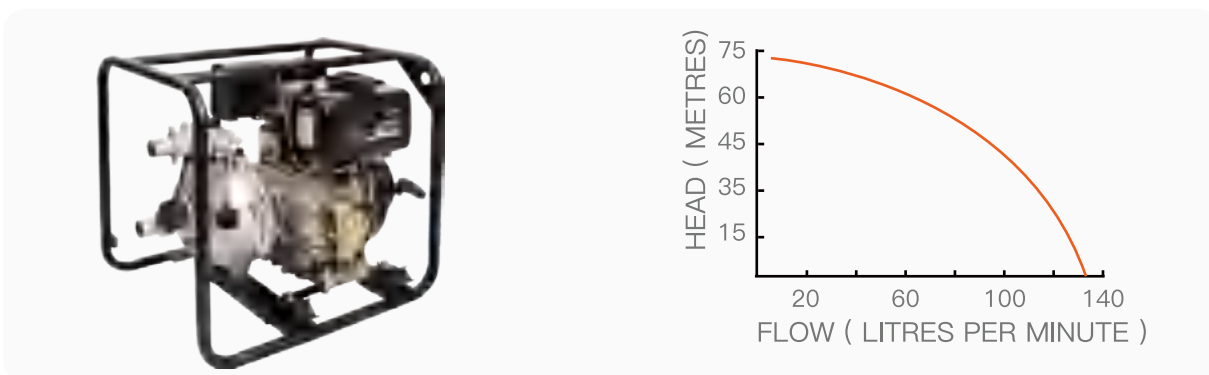
Model	EDP20	EDP30	EDP40
Type	Diesel Pump	Diesel Pump	Diesel Pump
Suction & Discharge Port Diameter (mm)(in)	50(2")	80(3")	100(4")
Rated Capacity (m³/h)	36	60	80
Rated Total head (m)	46	32	25
Max.Suction Head (m)	8	8	8
Self-priming Time (s/4m)	80	120	180
Rotation Speed (r/min)	3600	3600	3600
Noise Level [dB(A)/7m]	74	76	79
Engine Type	170F	178F	186F
Rated Power (kW)	2.8	4	6.3
Fuel Consumption (g/kW.h)	288	285	281
Displacement (cm³)	211	296	406
Starter System	Recoil Starter	Recoil Starter	Recoil Starter

# High Pressure Water Pump

Excalibur THOR series

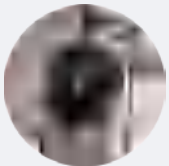
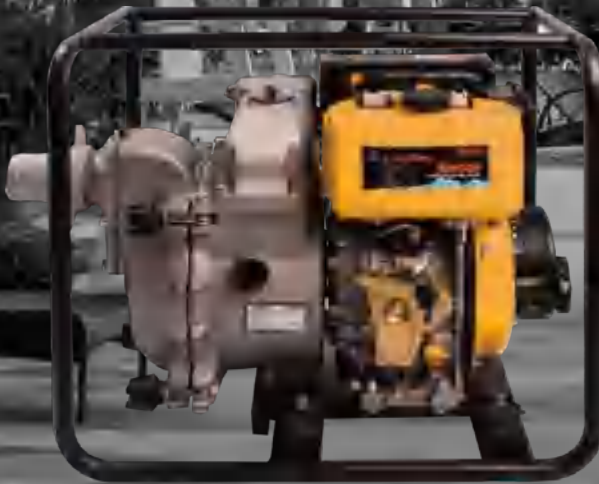


● EDP15H



	Model	EDP15H
Water Pump	Suction, Discharge Port Diameter [mm(in)]	40 (1.5")
	Cont. Head (m)	42
	Self-priming Time (s/4m)	40
	Max Suction Head (m)	8
	Cont. Capacity (m <sup>3</sup> /hr)	10
	Fuel Tank Capacity: L	3.5
Engine	Engine Model	178F
	Type	Single-cylinder, Vertical, 4-Stroke Air-cooled Diesel Engine
	Bore X Stroke (mm)	78*62
	Fuel	Summer: 0# Winter: -10#
	Lubrication Oil Model	SAE10W-30 (Above CD Grade)
	Lubrication Oil Volume (L)	1.1
	Fule Oil Consumption Rate (g. kw/h)	285
	Displacement: L	0.296
	Power/ Speed: KW, r/min	4/3600
	Compression Ratio	20:1
Dimensions	Combustion System	Direct Injection
	Starting System	Recoil Starter
	Dimension	605*470*582mm
	Dry Weight	50kg
	20FT	120

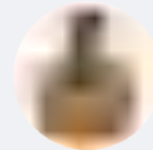




Unique horseshoe-shaped quick lock design, attractive appearance, durable, also easy to quickly clean water pump cavity.



Impeller and turbine conical design, unique flow channel design, ensure the smooth transmission of large flow and large particulate matter.



Inlet filter screen made of iron sheet stamping and welding, the surface is galvanized. The maximum particle size is 25\*25mm.

## Trash Water Pump

Model	EDP20T	EDP30T	EDP40T
Type	Diesel Pump	Diesel Pump	Diesel Pump
Suction & Discharge Port Diameter (mm)(in)	50(2")	80(3")	100(4")
Rated Capacity (m <sup>3</sup> /h)	42	72	96
Rated Total Head (m)	26	25	26
Max.Suction Head (m)	8	8	8
Self-priming Time (s/4m)	60	90	150
Rotation Speed (r/min)	3600	3600	3600
Engine Type	170F	178F	186F
Max. Power (kW/ rpm)	2.8 (3600)	4.0 (3600)	6.3 (3600)
Displacement (cm <sup>3</sup> )	211	296	406
Fuel Consumption(g/kW.h)	288	285	281
Noise Level [dB(A)/7m]	74	76	79
Starter System	Recoil Starter	Recoil Starter	Recoil Starter
Dimension (L*W*H)	655*435*565mm	675*445*575mm	780*485*605mm
Net Weight (kg)	48	60	89



● **EDE6500E**



**MODEL EDE6500E**

<b>Generator Set</b>	
Rated Frequency	50 Hz or 60 Hz
Prime Power	50 Hz: 4.5 kW (4.5 kVA) 60 Hz: 5 kW (5 kVA)
Standby Power	50 Hz: 5 kW (5 kVA) 60 Hz: 5.5 kW (5.5 kVA)
Rated Voltage	115/230 V or 120/240 V

<b>Engine</b>	
Engine Type	EM186FAE
Displacement	0.418 L
Starter System	12V Electric System

<b>Genset</b>	
Noise Level (7m)	78 dB(A)
Fuel Tank Capacity	12.5 L
Overall Dimensions	760 x 520 x 640 mm
Net Weight	100 kg

**DOUBLE MUFFLER**  
REDUCES EXHAUSE  
RESISTANCE ENSURES  
LOW RUNNING NOISE

**BREAKER SYSTEM**  
PREVENTS MACHINE  
FROM MOVING ON  
AN INCLINED PLACE  
ENSURES SAFTY

12V 36Ah 280A  
MAINTENANCE FREE  
**BATTERY**  
LARGER CAPACITY &  
LONGER SERVICE LIFE

**OVERCURRENT  
PROTECTION SYSTEM**  
**AVR**  
PROVIDES PROTECTION FOR  
ALTERNATOR & ENGINE  
EXTENDS SERVICE LIFE



● EDE7000STA



● EDE6500T



● EDE7000T



● EDE6700T

Model	EDE6500T	EDE6700T	EDE7000STA	EDE7000T
<b>Generator Set</b>				
Rated Frequency	50 Hz or 60 Hz			
Prime Power	50 Hz: 4.4 kW (5.5 kVA) 60 Hz: 5 kW (6.3 kVA)		50 Hz: 4.5 kW (4.5 kVA) 60 Hz: 5 kW (5 kVA)	
Standby Power	50 Hz: 4.8 kW (6 kVA) 60 Hz: 5.6 kW (7 kVA)		50 Hz: 5 kW (5 kVA) 60 Hz: 5.5 kW (5.5 kVA)	
Rated Voltage	400/230 V or 416/240 V		115/230 V or 120/240 V	
<b>Engine</b>				
Engine Type	EM186FAE		EM186FAE	
Displacement	0.418 L	0.418 L	0.418 L	0.418 L
Starter System	12V Electric System	12V Electric System	12V Electric System	12V Electric System
<b>Genset</b>				
Noise Level (7m)	72 dB(A)	72 dB(A)	68 dB(A)	72 dB(A)
Fuel Tank Capacity	15 L	15 L	15 L	15 L
Overall Dimensions	950x530x740 mm		950 x 530 x 740 mm	
Net Weight	171 kg		145 kg	



# *Power Solutions*



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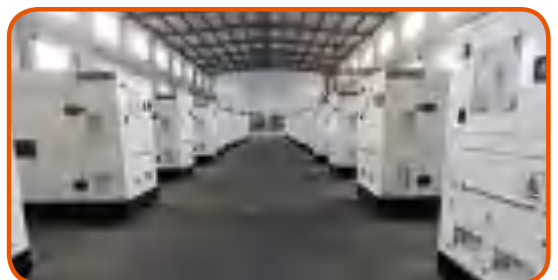
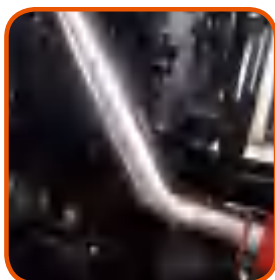
YTO Series 50HZ

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CUMMINS Series 50HZ

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PERKINS Series 50HZ 1Phase



**50Hz Single Phase YTO Series Diesel Genset Specifications**

Model		SDG8KS	SDG10KS	SDG12KS	SDG16KS	SDG20KS	SDG25KS
Reference Model(Open type)		SDG8K/50/1/F/C	SDG10K/50/1/F/C	SDG12K/50/1/F/C	SDG16K/50/1/F/C	SDG20K/50/1/F/C	SDG25K/50/1/F/C
Reference Model(Silent type)		SDG8KS/50/1/F/C	SDG10KS/50/1/F/C	SDG12KS/50/1/F/C	SDG16KS/50/1/F/C	SDG20KS/50/1/F/C	SDG25KS/50/1/F/C
Prime Power	KVA	8	10	12	16	20	25
	KW	8	10	12	16	20	25
Standby Power	KVA	8.8	11	13.2	17.6	22	27.5
	KW	8.8	11	13.2	17.6	22	27.5
Power Factor		1.0	1.0	1.0	1.0	1.0	1.0
Frequency	HZ	50	50	50	50	50	50
Rate Voltage	V	230	230	230	230	230	230
Rate Current	A	34.8	43.5	52.2	69.6	87	108.7
Controlller		ComAp IL9	ComAp IL9	ComAp IL9	ComAp IL9	ComAp IL9	ComAp IL9
Control Voltage	V	12	12	12	12	12	12
Battery Capacity	AH	45	45	45	45	45	80
Coolant Capacity	L	5.8	6	6	10.2	10.2	10.2
Base Fueltank Capacity	L	42	77.5	77.5	77.5	93	93
Fuel Consumption	L/Hours	3.5	4.5	5	6.3	7.8	9.5
Running Time	Hours	12	17	16	12	12	10
Sound @ 7 meter	Db	68	70	70	70	70	71
Open Type product size	L*W*H(mm)	1150×780×910	1560×900×980	1560×900×980	1560×900×980	1810×950×1020	1810×950×1020
Open Type Weight net	KG	365	480	490	505	650	690
Canopy Type product size	L*W*H(mm)	1680×760×1050	1800×800×1140	1900×800×1140	1900×800×1140	1960×800×1140	2200×1000×1320
Canopy Type Weight net	KG	580	665	730	760	820	1000

**Engine Specifications**

Engine model		YD380D	YD480D	YND485D	YSD490D	Y495D	Y4102D
Prime power	KW	11	14	17	21	27	32
Structure		3 cylinder inline	4 cylinder inline	4 cylinder inline	4	4	4
Fuel type		Diesel	Diesel	Diesel	Diesel	Diesel	Diesel
Fuel consumption	L/Hour	3.5	4.5	5	6.3	7.8	9.5
Lubricant consumption	L/Hour	0.0175	0.0225	0.025	0.0315	0.039	0.0475
Governer		Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical
Coolling		Water	Water	Water	Water	Water	Water
Lubricant capacity	L	3.5	5	6	6	7.5	7.5
Air intake flow	m³/min	1.6	2	2	2.3	1.72	2.1
Exhaust gas flow	m³/min	4.5	5.8	6	6.5	1.71	2.2
Exhaust gas temperature	°C	400	400	400	400	400	400
Exhaust gas back pressure	Kpa	5	5	5	5	5	5
Compression ratio		18	18	18	17.5	17.5	18
Aspiration		Natural	Natural	Natural	Natural	Natural	Natural
Bore	mm	80	80	85	90	95	102
Stroke	mm	90	90	95	100	100	105
Displacement	L	1.36	1.8	2.2	2.5	3.3	3.8
SAE		4/7.5	4/7.5	4/7.5	4/7.5	3/10.0	3/11.5
Dimension	L*W*H(mm)	608×490×578	687×494×627	692×492×675	734×530×682	892×618×718	892×622×730
Net weight	KG	155	195	205	230	300	320

**Alternator Specification**

Model(FARRAND)		164C	164D	184ES	184E	184F	184H
Prime power	KVA	9	11	13	16	20	25
Structure		1 bearing	1 bearing	1 bearing	1 bearing	1 bearing	1 bearing
Excitation model		Self-excitation	Self-excitation	Self-excitation	Self-excitation	Self-excitation	Self-excitation
Insulation class		H	H	H	H	H	H
Protection class		IP23	IP23	IP23	IP23	IP23	IP23
TIF		<50	<50	<50	<50	<50	<50
THF		<2%	<2%	<2%	<2%	<2%	<2%
Air flow	m³/s	0.071AS440	0.071AS440	0.071AS440	0.095AS440	0.095AS440	0.095AS440
AVR Model		AS460	AS460	AS460	AS460	AS460	AS460

# YTO Series 50HZ 1Phase 8~64KVA



50Hz Single Phase YTO Series Diesel Genset Specifications							
Model		SDG25KS	SDG38KS	SDG45KS	SDG45KS	SDG50KS	SDG64KS
Reference Model(Open type)		SDG25K/50/1/F/C	SDG30K/50/1/F/C	SDG40K/50/1/F/C	SDG45K/50/1/F/C	SDG50K/50/1/F/C	SDG64K/50/1/F/C
Reference Model(Silent type)		SDG25KS/50/1/F/C	SDG30KS/50/1/F/C	SDG40KS/50/1/F/C	SDG45KS/50/1/F/C	SDG50KS/50/1/F/C	SDG64KS/50/1/F/C
Prime Power	KVA	25	30	40	45	50	64
	KW	25	30	40	45	50	64
Standby Power	KVA	27.5	33	44	49.5	55	70
	KW	27.5	33	44	49.5	55	70
Power Factor		1.0	1.0	1.0	1.0	1.0	1.0
Frequency	HZ	50	50	50	50	50	50
Rate Voltage	V	230	230	230	230	230	230
Rate Current	A	108.7	130.4	174	195.7	217.4	278.3
Controlller		ComAp IL9	ComAp IL9	ComAp IL9	ComAp IL9	ComAp IL9	ComAp IL9
Control Voltage	V	12	12	12	12	12	12
Battery Capacity	AH	80	80	80	80	80	80
Coolant Capacity	L	10.2	10.2	13	13	13	20
Base Fueltank Capacity	L	93	93	180	180	180	220
Fuel Consumption	L/Hours	9.5	10.8	14.2	16.1	17.6	19.6
Running Time	Hours	10	9	12	11	10	11
Sound @ 7 meter	Db	71	71	72	72	72	72
Open Type product size	L*W*H(mm)	1810x950x1020	1810x950x1020	1955x950x1360	1955x950x1360	1955x950x1360	2395x1000x1410
Open Type Weight net	KG	690	770	945	995	1035	1140
Canopy Type product size	L*W*H(mm)	2200x1000x1320	2200x1000x1320	2360x1000x1500	2360x1000x1500	2360x1000x1500	2460x1000x1500
Canopy Type Weight net	KG	1000	1045	1200	1250	1290	1530
Engine Specifications							
Engine model		Y4102D	Y4105D	Y4102ZLD	Y4105ZLD	Y4EZLD	Y4110ZLD
Prime power	KW	32	38	48	55	63	80
Structure		4	4	4	4	4	4
Fuel type		Diesel	Diesel	Diesel	Diesel	Diesel	Diesel
Fuel consumption	L/Hour	9.5	10.8	16.1	16.1	16.1	19.6
Lubricant consumption	L/Hour	0.0475	0.054	0.0805	0.0805	0.0805	0.098
Governer		Mechanical	Mechanical	Electrical	Electrical	Electrical	Electrical
Cooling		Water	Water	Water	Water	Water	Water
Lubricant capacity	L	7.5	8.3	11	11	11	11
Air intake flow	m <sup>3</sup> /min	2.1	2.4	6.3	6.3	6.3	6.8
Exhaust gas flow	m <sup>3</sup> /min	2.2	2.5	16	16	16	18.5
Exhaust gas temperature	°C	400	450	480	480	480	485
Exhaust gas back pressure	Kpa	5	5	9	9	9	10
Compression ratio		18	18	17	17	17	17
Aspiration		Natural	Natural	Turbochargingintercooled			
Bore	mm	102	105	102	105	105	110
Stroke	mm	105	105	105	105	105	125
Displacement	L	3.8	4.1	4.2	4.4	4.4	4.75
SAE		3/11.5	3/11.5	3/11.5	3/11.5	3/11.5	3/11.5
Dimension	L*W*H(mm)	892x622x730	900x650x750	900x650x870	900x650x870	900x650x870	960x670x910
Net weight	KG	320	350	420	420	420	560
Alternator Specification							
Model(FARRAND)		184H	184J	224E	224F	224F	274C
Prime power	KVA	25	30	40	50	50	66
Structure		1 bearing	1 bearing	1 bearing	1 bearing	1 bearing	1 bearing
Excitation model		Self-excitation	Self-excitation	Self-excitation	Self-excitation	Self-excitation	Self-excitation
Insulation class		H	H	H	H	H	H
Protection class		IP23	IP23	IP23	IP23	IP23	IP23
TIF		<50	<50	<50	<50	<50	<50
THF		<2%	<2%	<2%	<2%	<2%	<2%
Air flow	m <sup>3</sup> /s	0.095AS440	0.095AS440	0.216AS440	0.216AS440	0.216AS440	0.216AS440
AVR Model		AS460	AS460	AS460	AS460	AS460	AS440

**50Hz Three Phase YTO Series Diesel Genset Specifications**

Model		SDG10K/KS	SDG13K/KS	SDG15K/KS	SDG20K/KS	SDG25K/KS	SDG31K/KS	SDG38K/KS
Reference Model(Open type)		SDG10K/50/3/F/C	SDG13K/50/3/F/C	SDG15K/50/3/F/C	SDG20K/50/3/F/C	SDG25K/50/3/F/C	SDG31K/50/3/F/C	SDG38K/50/3/F/C
Reference Model(Silent type)		SDG10KS/50/3/F/C	SDG13KS/50/3/F/C	SDG15KS/50/3/F/C	SDG20KS/50/3/F/C	SDG25KS/50/3/F/C	SDG31KS/50/3/F/C	SDG38KS/50/3/F/C
Prime Power	KVA	10	13.0	15	20	25	31.0	38
	KW	8	10	12	16	20	25	30
Standby Power	KVA	11	13.8	16.5	22	27.5	34.4	41
	KW	8.8	11	13.2	17.6	22	27.5	33
Power Factor		0.8	0.8	0.8	0.8	0.8	0.8	0.8
Frequency	HZ	50	50	50	50	50	50	50
Rate Voltage	V	400/230	400/230	400/230	400/230	400/230	400/230	400/230
Rate Current	A	14.4	18.0	21.7	28.9	36.1	45.2	57.7
Controlller		ComAp IL9	ComAp IL9	ComAp IL9	ComAp IL9	ComAp IL9	ComAp IL9	ComAp IL9
Control Voltage	V	12	12	12	12	12	12	12
Battery Capacity	AH	30	55	55	55	55	55	55
Coolant Capacity	L	5.8	6	6	10.2	10.2	10.2	10.2
Base Fueltank Capacity	L	42	77.5	77.5	77.5	93	93	93
Fuel Consumption	L/Hours	3.5	4.5	5	6.3	7.8	9.5	10.8
Running Time	Hours	12	17	16	12	12	10	9
Sound @ 7 meter	Db	68	70	70	70	70	71	71
Open Type product size	L*W*H(mm)	1150x780x910	1560x900x980	1560x900x980	1560x900x980	1810x950x1020	1810x950x1020	1810x950x1020
Open Type Weight net	KG	365	480	490	505	650	690	770
Canopy Type product size	L*W*H(mm)	1680x760x1050	1800x800x1140	1900x800x1140	1900x800x1140	2200x950x1250	2200x1000x1320	2200x1000x1320
Canopy Type Weight net	KG	580	665	760	786	870	1000	1045

**Engine Specifications**

		YD380D	YD480D	YND485D	YSD490D	Y495D	Y4102D	Y4105D
Prime power	KW	11	14	17	21	27	32	38
Structure		3	4	4	4	4	4	4
Fuel type		Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel
Fuel consumption	L/Hour	3.5	4.5	5	6.3	7.8	9.5	10.8
Lubricant consumption	L/Hour	0.0175	0.0225	0.025	0.0315	0.039	0.0475	0.054
Governer		Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical
Cooling		Water	Water	Water	Water	Water	Water	Water
Lubricant capacity	L	3.5	5	6	6	7.5	7.5	8.3
Air intake flow	m³/min	1.6	2	2	2.3	1.72	2.1	2.4
Exhaust gas flow	m³/min	4.5	5.8	6	6.5	1.71	2.2	2.5
Exhaust gas temperature	°C	400	400	400	400	400	400	400
Exhaust gas back pressure	Kpa	5	5	5	5	5	5	5
Compression ratio		18	18	18	17.5	17.5	18	18
Aspiration		Natural	Natural	Natural	Natural	Natural	Natural	Natural
Bore	mm	80	80	85	90	95	102	105
Stroke	mm	90	90	95	100	100	105	105
Displacement	L	1.36	1.8	2.2	2.5	3.3	3.8	4.1
SAE		4/7.5	4/7.5	4/7.5	4/7.5	3/10.0	3/11.5	3/11.5
Dimension	L*W*H(mm)	608x490x578	687x494x627	692x492x675	734x530x682	892x618x718	892x622x730	900x650x750
Net weight	KG	155	195	205	230	300	320	350

**Alternator Specification**

Model(FARRAND)		164B	164C	184ES	184E	184F	184G	184J
Prime power	KVA	11	14	18	22	28	31	43
Structure		1 bearing	1 bearing	1 bearing	1 bearing	1 bearing	1 bearing	1 bearing
Excitation model		Self-excitation	Self-excitation	Self-excitation	Self-excitation	Self-excitation	Self-excitation	Self-excitation
Insulation class		H	H	H	H	H	H	H
Protection class		IP23	IP23	IP23	IP23	IP23	IP23	IP23
TIF		<50	<50	<50	<50	<50	<50	<50
THF		<2%	<2%	<2%	<2%	<2%	<2%	<2%
Air flow	m³/s	0.071	0.071	0.071	0.095	0.095	0.095	0.095
AVR Model		AS460	AS460	AS460	AS460	AS460	AS460	AS460



# YTO Series 50HZ 3Phase 10~228KVA



50Hz Three Phase YTO Series Diesel Genset Specifications

Model		SDG50K/KS	SDG56K/KS	SDG63K/KS	SDG80K/KS	SDG109KS	SDG145KS	SDG181KS	SDG228K/KS
Reference Model(Open type)		SDG50K/50/3/F/C	SDG56K/50/3/F/C	SDG63K/50/3/F/C	SDG80K/50/3/F/C	SDG109K/50/3/F/C	SDG145K/50/3/F/C	SDG181K/50/3/F/C	SDG228K/50/3/F/C
Reference Model(Silent type)		SDG50KS/50/3/F/C	SDG56KS/50/3/F/C	SDG63KS/50/3/F/C	SDG80KS/50/3/F/C	SDG109KS/50/3/F/C	SDG145KS/50/3/F/C	SDG181KS/50/3/F/C	SDG228KS/50/3/F/C
Prime Power	KVA	50	56	63	80	109	145	181	228
	KW	40	45	50	64	87	116	146	182
Standby Power	KVA	55	61.6	70	88	120	160	200	250
	KW	44	49.5	55	70	96	128	160.2	200
Power Factor		0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
Frequency	HZ	50	50	50	50	50	50	50	50
Rate Voltage	V	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230
Rate Current	A	86.6	86.6	86.6	118.4	157.3	209.3	262.7	327.7
Controlller		ComAp IL9	ComAp IL9	ComAp IL9	ComAp IL9	ComAp IL9	ComAp IL9	ComAp IL9	ComAp IL9
Control Voltage	V	12	12	12	24	24	24	24	24
Battery Capacity	AH	55	55	55	110	160	160	240	240
Coolant Capacity	L	13	13	13	13	27.7	27.7	37.2	37.2
Base Fueltank Capacity	L	180	180	180.0	220	375	375	505	505
Fuel Consumption	L/Hours	14.2	16.1	17.6	19.6	31.8	37.1	50.6	56.3
Running Time	Hours	12	11	10	11	12	10	10	9
Sound @ 7 meter	Db	72	72	72	72	72	72	72	72
Open Type product size	L*W*H(mm)	1955x950x1360	1955x950x1360	1955x950x1360	2395x1000x1410	2550x1150x1560	2550x1150x1560	2900x1300x1600	2900x1300x1600
Open Type Weight net	KG	945	995	1035	1140	1455	1570	2000	2150
Canopy Type product size	L*W*H(mm)	2360x1000x1420	2360x1000x1420	2360x1000x1420	2460x1000x1500	3000x1100x1700	3300x1100x1700	3800x1500x2020	3800x1500x2020
Canopy Type Weight net	KG	1200	1250	1290	1530	2020	2135	2650	2800

Engine Specifications

		Y4102ZLD	Y4105ZLD	Y4EZLD	Y4110ZLD	LR6A3L-DA	LR6M3L-DA	YM6H4L-DA	YM6S4L-DA
Prime power	KW	48	55	63	80	113	132	180	220
Structure		4	4	4	4	6	6	6	6
Fuel type		Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel
Fuel consumption	L/Hour	16.1	16.1	16.1	19.6	31.8	37.1	50.6	56.3
Lubricant consumption	L/Hour	0.0805	0.0805	0.0805	0.098	0.159	0.1855	0.253	0.2815
Governer		Mechanical	Electrical	Electrical	Electrical	Electrical	Electrical	Electrical	Electrical
Cooling		Water	Water	Water	Water	Water	Water	Water	Water
Lubricant capacity	L	11	11	11	11	11	16.1	24	24
Air intake flow	m³/min	6.3	6.3	6.316	6.8	9.8	10.4	14.5	14.5
Exhaust gas flow	m³/min	16	16		18.5	26.7	28.7	40	40
Exhaust gas temperature	°C	480	480		480	480	450	450	450
Exhaust gas back pressure	Kpa	9	9		9	10	6	6	6
Compression ratio		17	17	17	17	17	17	16.5	16.5
Aspiration		Turbochargingintercooled							
Bore	mm	102	105	105	110	105	108	120	126
Stroke	mm	105	105	105	125	125	125	130	130
Displacement	L	4.2	4.4	4.5	4.75	6.49	7.127	9.73	9.73
SAE		3/11.5	3/11.5	3/11.5	3/11.5	3/11.5	3/11.5	1/14.0	1/14.0
Dimension	L*W*H(mm)	900x650x870	900x650x870	900x650x870	875x590x870	1691x858x1777	1691x858x1700	1927x950x1345	1927x950x1345
Net weight	KG	420	420	420	560	650	650	720	720

Alternator Specification

Model(FARRAND)		224D	224E	224E	224G	274D	274EL	274H	274J
Prime power	KVA	50	60	60	85	114	150	200	225
Structure		1 bearing	1 bearing	1 bearing	1 bearing	1 bearing	1 bearing	1 bearing	1 bearing
Excitation model		Self-excitation	Self-excitation	Self-excitation	Self-excitation	Self-excitation	Self-excitation	Self-excitation	Self-excitation
Insulation class		H	H	H	H	H	H	H	H
Protection class		IP23	IP23	IP23	IP23	IP23	IP23	IP23	IP23
TIF		<50	<50	<50	<50	<50	<50	<50	<50
THF		<2%	<2%	<2%	<2%	<2%	<2%	<2%	<2%
Air flow	m³/s	0.216	0.216	0.216	0.216	0.514	0.514	0.514	0.514
AVR Model		AS460	AS460	AS460	AS460	AS440	AS440	AS440	AS440



50Hz Single Phase Cummins Series Diesel Genset Specifications											
Model		SDG10DC/DCS	SDG12DC/DCS	SDG16DC/DCS	SDG20DC/DCS	SDG20DC/DCS	SDG32DC/DCS	SDG32DC/DCS	SDG40DC/DCS	SDG48DC/DCS	SDG64DC/DCS
Reference Model (Open type)		SDG10DC/50/1/F/C	SDG12DCS/50/1/F/C	SDG16DCS/50/1/F/C	SDG20DCS/50/1/F/C	SDG20DCS/50/1/F/C	SDG32DCS/50/1/F/C	SDG32DCS/50/1/F/C	SDG40DCS/50/1/F/C	SDG48DCS/50/1/F/C	SDG64DCS/50/1/F/C
Reference Model (Silent type)		SDG10DCS/50/1/F/C	SDG12DCS/50/1/F/C	SDG16DCS/50/1/F/C	SDG20DCS/50/1/F/C	SDG20DCS/50/1/F/C	SDG32DCS/50/1/F/C	SDG32DCS/50/1/F/C	SDG40DCS/50/1/F/C	SDG48DCS/50/1/F/C	SDG64DCS/50/1/F/C
Reference Model (Open type)		SDG10DC/50/1/S/C	SDG12DCS/50/1/S/C	SDG16DCS/50/1/S/C	SDG20DCS/50/1/S/C	SDG20DCS/50/1/S/C	SDG32DCS/50/1/S/C	SDG32DCS/50/1/S/C	SDG40DCS/50/1/S/C	SDG48DCS/50/1/S/C	SDG64DCS/50/1/S/C
Reference Model (Silent type)		SDG10DCS/50/1/S/C	SDG12DCS/50/1/S/C	SDG16DCS/50/1/S/C	SDG20DCS/50/1/S/C	SDG20DCS/50/1/S/C	SDG32DCS/50/1/S/C	SDG32DCS/50/1/S/C	SDG40DCS/50/1/S/C	SDG48DCS/50/1/S/C	SDG64DCS/50/1/S/C
Prime Power	KVA	10	12	16	20	20	32	32	40	48	64
	KW	10	12	16	20	20	32	32	40	48	64
Standby Power	KVA	11	13	18	22	22	35	35	44	53	70
	KW	11	13	18	22	22	35	35	44	53	70
Power Factor		1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Frequency	HZ	50	50	50	50	50	50	50	50	50	50
Rate Voltage	V	230	230	230	230	230	230	230	230	230	230
Rate Current	A	43.5	52.2	69.6	87.0	87.0	139.1	139.1	173.9	208.7	278.3
Controlller		ComAp IL9	ComAp IL9	ComAp IL9	ComAp IL9	ComAp IL9	ComAp IL9	ComAp IL9	ComAp IL9	ComAp IL9	ComAp IL9
Control Voltage	V	DC24V	DC24V	DC24V	DC24V	DC24V	DC24V	DC24V	DC24V	DC24V	DC24V
Battery Capacity	AH	110	110	110	110	110	110	110	110	110	110
Coolant Capacity	L	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	32.9
Base Fueltank Capacity	L	180	180	180	180	180	180	180	180	180	245
Fuel Consumption	L/Hours	6.4	6.4	6.4	6.4	6.4	9.3	9.3	9.3	9.3	22
Running Time	Hours	28	28	28	28	28	19	19	19	19	11
Sound @ 7 meter	Db	70	70	70	70	70	70	70	71	71	72
Open Type product size	L*W*H(mm)	1850x900x1331	1850x900x1331	1850x900x1331	1850x900x1331	1850x900x1331	1850x900x1331	1850x900x1331	1850x900x1331	1850x900x1331	2350x1000x1480
Open Type Weight net	KG	840	840	840	840	840	860	860	860	860	1300
Canopy Type product size	L*W*H(mm)	2500x950x1500	2500x950x1500	2500x950x1500	2500x950x1500	2500x950x1500	2500x950x1500	2500x950x1500	2500x950x1500	2500x950x1500	3400x1000x1700
Canopy Type Weight net	KG	1320	1320	1320	1320	1320	1340	1340	1340	1340	1820
Engine Specifications											
Engine Model		4B3.9-G1	4B3.9-G1	4B3.9-G1	4B3.9-G1	4B3.9-G2	4BT3.9-G1	4BT3.9-G2	4BTA3.9-G2	4BTA3.9-G2	6BT5.9-G1
Prime power	KW	24	24	24	24	24	36	36	50	50	92
Structure		4 Cylinders,inline									6 Cylinders,inline
Fuel type		Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel
Fuel consumption	L/Hour	6.4	6.4	6.4	6.4	6.4	9.3	9.3	9.3	9.3	22
Lubricant consumption	L/Hour	0.032	0.032	0.032	0.032	0.032	0.0465	0.0465	0.0465	0.0465	0.11
Governer		Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Electrical
Cooling		Water	Water	Water	Water	Water	Water	Water	Water	Water	Water
Lubricant capacity	L	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	16.4
Air intake flow	m3/min	1.96	1.96	1.96	1.96	1.96	2.6	2.6	2.6	2.6	6
Exhaust gas flow	m <sup>3</sup> /min	4.05	4.05	4.05	4.05	4.05	6	6	6	6	15
Exhaust gas temperature	OC	550	550	550	550	550	550	550	550	550	591
Exhaust gas back pressure	Kpa	10	10	10	10	10	10	10	10	10	10
Compression ratio		16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	17.5
Aspiration		Natural	Natural	Natural	Natural	Natural	Turbocharging				
Bore	mm	102	102	102	102	102	102	102	102	102	102
Stroke	mm	120	120	120	120	120	120	120	120	120	120
Displacement	L	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	5.9
SAE		3/11.5	3/11.5	3/11.5	3/11.5	3/11.5	3/11.5	3/11.5	3/11.5	3/11.5	3/11.5
Dimension	L*W*H(mm)	765x582x908	765x582x908	765x582x908	765x582x908	765x582x908	765x582x908	765x582x908	765x582x908	765x582x908	996x711x992
Net weight	KG	308	308	308	308	308	308	308	308	308	399
Alternator Specification											
Model (STAMFORD)		PI044F	PI044G	PI144D	PI144E	PI144F	PI144J	PI144J	UCI224	UCI224E	UCI224F
Prime power	KVA	10	12	16	20	22	32	32	D40	48	58
Model(FARRAND)		164C	164D	184ES	184E	184F	184J	184J	224D	224E	224G
Prime power	KVA	10.8	12.8	16	20	22	30	30	40	48	58
Structure		1 Bearing	1 Bearing	1 Bearing	1 Bearing	1 Bearing	1 Bearing	1 Bearing	1 Bearing	1 Bearing	1 Bearing
Excitation model		Self-excitation	Self-excitation	Self-excitation	Self-excitation	Self-excitation	Self-excitation	Self-excitation	Self-excitation	Self-excitation	Self-excitation
Insulation class		H	H	H	H	H	H	H	H	H	H
Protection class		IP23	IP23	IP23	IP23	IP23	IP23	IP23	IP23	IP23	IP23
TIF		<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
THF		<2%	<2%	<2%	<2%	<2%	<2%	<2%	<2%	<2%	<2%
Air flow	m3/s	0.095	0.095	0.095	0.095	0.095	0.095	0.095	0.216	0.216	0.216
AVR Model		AS440	AS440	AS440	AS440	AS440	AS440	AS440	AS440	AS440	AS440

# CUMMINS Series 50HZ 1Phase 13~1523KVA

50Hz Single Phase Cummins Series Diesel Genset Specifications

Model	SDG64DC /DCS	SDG67DC /DCS	SDG67DC /DCS	SDG80DC /DCS	SDG80DC /DCS	SDG91DC /DCS	SDG106DC/DCS	SDG127DC/DCS	SDG146DC /DCS	SDG160DC/DCS	
Reference Model (Open type)	SDG64DCS /50/1/F/C	SDG67DCS /50/1/F/C	SDG67DCS /50/1/F/C	SDG80DCS /50/1/F/C	SDG80DCS /50/1/F/C	SDG91DCS /50/1/F/C	SDG106DCS /50/1/F/C	SDG127DCS /50/1/F/C	SDG146DCS /50/1/F/C	SDG160DCS /50/1/F/C	
Reference Model (Silent type)	SDG64DCS /50/1/F/C	SDG67DCS /50/1/F/C	SDG67DCS /50/1/F/C	SDG80DCS /50/1/F/C	SDG80DCS /50/1/F/C	SDG91DCS /50/1/F/C	SDG106DCS /50/1/F/C	SDG127DCS /50/1/F/C	SDG146DCS /50/1/F/C	SDG160DCS /50/1/F/C	
Reference Model (Open type)	SDG64DCS /50/1/S/C	SDG67DCS /50/1/S/C	SDG67DCS /50/1/S/C	SDG80DCS /50/1/S/C	SDG80DCS /50/1/S/C	SDG91DCS /50/1/S/C	SDG106DCS /50/1/S/C	SDG127DCS /50/1/S/C	SDG146DCS /50/1/S/C	SDG160DCS /50/1/S/C	
Reference Model (Silent type)	SDG64DCS /50/1/S/C	SDG67DCS /50/1/S/C	SDG67DCS /50/1/S/C	SDG80DCS /50/1/S/C	SDG80DCS /50/1/S/C	SDG91DCS /50/1/S/C	SDG106DCS /50/1/S/C	SDG127DCS /50/1/S/C	SDG146DCS /50/1/S/C	SDG160DCS /50/1/S/C	
Prime Power	KVA	64	67	67	80	80	91	106	127	146	160
	KW	64	67	67	80	80	91	106	127	146	160
Standby Power	KVA	70	74	74	88	88	100	116	140	160	176
	KW	70	74	74	88	88	100	116	140	160	176
Power Factor		1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Frequency	HZ	50	50	50	50	50	50	50	50	50	50
Rate Voltage	V	230	230	230	230	230	230	230	230	230	230
Rate Current	A	278.3	291.3	291.3	347.8	347.8	395.7	460.9	552.2	634.8	695.7
Controlller		ComAp IL9	ComAp IL9	ComAp IL9	ComAp IL9	ComAp IL9	ComAp IL9	ComAp IL9	II-NT MRS 10	II-NT MRS 10	II-NT MRS 10
Control Voltage	V	DC24V	DC24V	DC24V	DC24V	DC24V	DC24V	DC24V	DC24V	DC24V	DC24V
Battery Capacity	AH	110	110	110	110	110	110	110	160	160	160
Coolant Capacity	L	32.9	32.9	32.9	32.9	32.9	34.4	34.4	41.3	41.3	41.3
Base Fueltank Capacity	L	245	245	245	245	245	245	245	375	375	375
Fuel Consumption	L/Hours	22	22	22	22	22	22	30	40	40	51.4
Running Time	Hours	11	11	11	11	11	11	8	9	9	7
Sound @ 7 meter	Db	72	72	72	72	72	72	72	72	72	72
Open Type product size	L*W*H(mm)	2350x1000x1480	2350x1000x1480	2350x1000x1480	2350x1000x1480	2350x1000x1480	2350x1000x1480	2395x1000x1442	2550x1150x1560	2550x1150x1560	2550x1150x1560
Open Type Weight net	KG	1300	1300	1300	1300	1300	1450	1550	1820	1820	1860
Canopy Type product size	L*W*H(mm)	3400x1000x1700	3400x1000x1700	3400x1000x1700	3400x1000x1700	3400x1000x1700	3400x1000x1700	3400x1000x1700	3650x1150x1920	3650x1150x1920	3650x1150x1920
Canopy Type Weight net	KG	1820	1820	1820	1820	1820	1970	2080	2450	2450	2480
Engine Specifications											
Engine Model		6BT5.9-G2	6BT5.9-G1	6BT5.9-G2	6BT5.9-G1	6BT5.9-G2	6BTA5.9-G2	6BTA5.9-G2	6CTA8.3-G2	6CTA8.3-G2	6CTAA8.3-G2
Prime power	KW	92	92	92	92	92	110	120	163	163	183
Structure		6 Cylinders, inline									
Fuel type		Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel
Fuel consumption	L/Hour	22	22	22	22	22	22	30	40	40	51.4
Lubricant consumption	L/Hour	0.11	0.11	0.11	0.11	0.11	0.11	0.15	0.2	0.2	0.257
Governer		Electrical	Electrical	Electrical	Electrical	Electrical	Electrical	Electrical	Electrical	Electrical	Electrical
Cooling		Water	Water	Water	Water	Water	Water	Water	Water	Water	Water
Lubricant capacity	L	16.4	16.4	16.4	16.4	16.4	16.4	16.4	23.8	23.8	23.8
Air intake flow	m <sup>3</sup> /min	6	6	6	6	6	8	8	11	11	11
Exhaust gas flow	m <sup>3</sup> /min	15	15	15	15	15	17	17	31	31	31
Exhaust gas temperature	OC	591	591	591	591	591	591	591	591	591	591
Exhaust gas back pressure	Kpa	10	10	10	10	10	10	10	10	10	10
Compression ratio		17.5	17.5	17.5	17.5	17.5	17.5	16	17	17	17.1
Aspiration		Turbocharging									
Bore	mm	102	102	102	102	102	102	102	114	114	114
Stroke	mm	120	120	120	120	120	120	120	135	135	135
Displacement	L	5.9	5.9	5.9	5.9	5.9	5.9	5.9	8.3	8.3	8.3
SAE		3/11.5	3/11.5	3/11.5	3/11.5	3/11.5	3/11.5	3/11.5	2/11.5	2/11.5	2/11.5
Dimension	L*W*H(mm)	996x711x992	996x711x992	996x711x992	996x711x992	996x711x992	996x711x992	996x711x992	1128x740x1084	1128x740x1084	1128x740x1084
Net weight	KG	399	399	399	399	399	399	399	587	587	587
Alternator Specification											
Model (STAMFORD)		UCI224F	UCI224G	UCI224G	UCI274C	UCI274C	UCI274D	UCI274E	UCI274F	UCI274G	UCI274H
Prime power	KVA	58	68	68	80	80	96	112	145.6	145.6	160
Model(FARRAND)		224G	224G	224G	274C	274C	274D	DG274E	274F	274H	274H
Prime power	KVA	58	68	68	80	80	100	112	128	160	160
Structure		1 Bearing	1 Bearing	1 Bearing	1 Bearing	1 Bearing	1 Bearing	1 Bearing	1 Bearing	1 Bearing	1 Bearing
Excitation model		Self-excitation	Self-excitation	Self-excitation	Self-excitation	Self-excitation	Self-excitation	Self-excitation	Self-excitation	Self-excitation	Self-excitation
Insulation class		H	H	H	H	H	H	H	H	H	H
Protection class		IP23	IP23	IP23	IP23	IP23	IP23	IP23	IP23	IP23	IP23
TIF		<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
THF		<2%	<2%	<2%	<2%	<2%	<2%	<2%	<2%	<2%	<2%
Air flow	m <sup>3</sup> /s	0.216	0.216	0.216	0.514	0.514	0.514	0.514	0.514	0.514	0.514
AVR Model		AS440	AS440	AS440	AS440	AS440	AS440	AS440	AS440	AS440	AS440

**50Hz Three Phase Cummins Series Diesel Genset Specifications**

Model		SDG13DC /DCS	SDG15DC /DCS	SDG20DC /DCS	SDG25DC /DCS	SDG25DC /DCS	SDG40DC /DCS	SDG40DC /DCS
Reference Model (Open type)		SDG13DC /50/3/F/C	SDG15DC /50/3/F/C	SDG20DC /50/3/F/C	SDG25DC /50/3/F/C	SDG25DC /50/3/F/C	SDG40DC /50/3/F/C	SDG40DC /50/3/F/C
Reference Model (Silent type)		SDG13DCS /50/3/F/C	SDG15DCS /50/3/F/C	SDG20DCS /50/3/F/C	SDG25DCS /50/3/F/C	SDG25DCS /50/3/F/C	SDG40DCS /50/3/F/C	SDG40DCS /50/3/F/C
Reference Model (Open type)		SDG13DC /50/3/S/C	SDG15DC /50/3/S/C	SDG20DC /50/3/S/C	SDG25DC /50/3/S/C	SDG25DC /50/3/S/C	SDG40DC /50/3/S/C	SDG40DC /50/3/S/C
Reference Model (Silent type)		SDG13DCS /50/3/S/C	SDG15DCS /50/3/S/C	SDG20DCS /50/3/S/C	SDG25DCS /50/3/S/C	SDG25DCS /50/3/S/C	SDG40DCS /50/3/S/C	SDG40DCS /50/3/S/C
Prime Power	KVA	13	15	20	25	25	40	40
	KW	10	12	16	20	20	32	32
Standby Power	KVA	14	16	23	28	28	44	44
	KW	11	13	18	22	22	35	35
Power Factor		0.8	0.8	0.8	0.8	0.8	0.8	0.8
Frequency	HZ	50	50	50	50	50	50	50
Rate Voltage	V	400/230	400/230	400/230	400/230	400/230	400/230	400/230
Rate Current	A	18.8	21.7	28.9	36.1	36.1	57.7	57.7
Controlller		ComAp IL9	ComAp IL9	ComAp IL9	ComAp IL9	ComAp IL9	ComAp IL9	ComAp IL9
Control Voltage	V	DC24V	DC24V	DC24V	DC24V	DC24V	DC24V	DC24V
Battery Capacity	AH	110	110	110	110	110	110	110
Coolant Capacity	L	19.2	19.2	19.2	19.2	19.2	19.2	19.2
Base Fueltank Capacity	L	180	180	180	180	180	180	180
Fuel Consumption	L/Hours	6.4	6.4	6.4	6.4	6.4	9.3	9.3
Running Time	Hours	28	28	28	28	28	19	19
Sound @ 7 meter	Db	70	70	70	70	70	70	70
Open Type product size	L*W*H(mm)	1850x900x1331	1850x900x1331	1850x900x1331	1850x900x1331	1850x900x1331	1850x900x1331	1850x900x1331
Open Type Weight net	KG	840	840	840	840	840	860	860
Canopy Type product size	L*W*H(mm)	2500x950x1500	2500x950x1500	2500x950x1500	2500x950x1500	2500x950x1500	2500x950x1500	2500x950x1500
Canopy Type Weight net	KG	1320	1320	1320	1320	1320	1340	1340

**Engine Specifications**

Engine Model		4B3.9-G1	4B3.9-G1	4B3.9-G1	4B3.9-G1	4B3.9-G2	4BT3.9-G1	4BT3.9-G2
Prime power	KW	24	24	24	24	24	36	36
Structure		4 Cylinders,inline	4 Cylinders,inline	4 Cylinders,inline	4 Cylinders,inline	4 Cylinders,inline	4 Cylinders,inline	4 Cylinders,inline
Fuel type		Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel
Fuel consumption	L/Hour	6.4	6.4	6.4	6.4	6.4	9.3	9.3
Lubricant consumption	L/Hour	0.032	0.032	0.032	0.032	0.032	0.0465	0.0465
Governer		Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical
Cooling		Water	Water	Water	Water	Water	Water	Water
Lubricant capacity	L	10.9	10.9	10.9	10.9	10.9	10.9	10.9
Air intake flow	m <sup>3</sup> /min	1.96	1.96	1.96	1.96	1.96	2.6	2.6
Exhaust gas flow	m <sup>3</sup> /min	4.05	4.05	4.05	4.05	4.05	6	6
Exhaust gas temperature	OC	550	550	550	550	550	550	550
Exhaust gas back pressure	Kpa	10	10	10	10	10	10	10
Compression ratio		16.5	16.5	16.5	16.5	16.5	16.5	16.5
Aspiration		Natural	Natural	Natural	Natural	Natural	Turbocharging	Turbocharging
Bore	mm	102	102	102	102	102	102	102
Stroke	mm	120	120	120	120	120	120	120
Displacement	L	3.9	3.9	3.9	3.9	3.9	3.9	3.9
SAE		3/11.5	3/11.5	3/11.5	3/11.5	3/11.5	3/11.5	3/11.5
Dimension	L*W*H(mm)	765x582x908	765x582x908	765x582x908	765x582x908	765x582x908	765x582x908	765x582x908
Net weight	KG	308	308	308	308	308	308	308

**Alternator Specification**

Model (STAMFORD)		S0L1-L	S0L1-P	S0L2-G	S0L2-M	S0L2-M	S1L2-K	S1L2-K
Prime power	KW	10	12	16	20	20	32	32
Model(FARRAND)		164C	164D	184ES	184E	184E	184J	184J
Prime power	KW	10.8	12.8	16	20	20	30	30
Structure		1 Bearing	1 Bearing	1 Bearing	1 Bearing	1 Bearing	1 Bearing	1 Bearing
Excitation model		Self-excitation	Self-excitation	Self-excitation	Self-excitation	Self-excitation	Self-excitation	Self-excitation
Insulation class		H	H	H	H	H	H	H
Protection class		IP23	IP23	IP23	IP23	IP23	IP23	IP23
TIF		<50	<50	<50	<50	<50	<50	<50
THF		<2%	<2%	<2%	<2%	<2%	<2%	<2%
Air flow	m <sup>3</sup> /s	0.095	0.095	0.095	0.095	0.095	0.095	0.095
AVR Model		AS460	AS460	AS460	AS460	AS460	AS460	AS460

# CUMMINS Series 50HZ 3Phase 25~1523KVA

50Hz Three Phase Cummins Series Diesel Genset Specifications

Model		SDG50DC /DCS	SDG60DC /DCS	SDG80DC /DCS	SDG80DC /DCS	SDG83.75DC /DCS	SDG83.75DC /DCS	SDG100DC /DCS
Reference Model (Open type)		SDG50DC /50/3/F/C	SDG60DC /50/3/F/C	SDG80DC /50/3/F/C	SDG80DC /50/3/F/C	SDG83.75DC /50/3/F/C	SDG83.75DC /50/3/F/C	SDG100DC /50/3/F/C
Reference Model (Silent type)		SDG50DCS /50/3/F/C	SDG60DCS /50/3/F/C	SDG80DCS /50/3/F/C	SDG80DCS /50/3/F/C	SDG83.75DCS /50/3/F/C	SDG83.75DCS /50/3/F/C	SDG100DCS /50/3/F/C
Reference Model (Open type)		SDG50DC /50/3/S/C	SDG60DC /50/3/S/C	SDG80DC /50/3/S/C	SDG80DC /50/3/S/C	SDG83.75DC /50/3/S/C	SDG83.75DC /50/3/S/C	SDG100DC /50/3/S/C
Reference Model (Silent type)		SDG50DCS /50/3/S/C	SDG60DCS /50/3/S/C	SDG80DCS /50/3/S/C	SDG80DCS /50/3/S/C	SDG83.75DCS /50/3/S/C	SDG83.75DCS /50/3/S/C	SDG100DCS /50/3/S/C
Prime Power	KVA	50	60	80	80	84	84	100
	KW	40	48	64	64	67	67	80
Standby Power	KVA	55	66	88	88	93	93	110
	KW	44	53	70	70	74	74	88
Power Factor		0.8	0.8	0.8	0.8	0.8	0.8	0.8
Frequency	HZ	50	50	50	50	50	50	50
Rate Voltage	V	400/230	400/230	400/230	400/230	400/230	400/230	400/230
Rate Current	A	72.2	86.6	115.5	115.5	121.2	121.2	144.3
Controlller		ComAp IL9	ComAp IL9	ComAp IL9	ComAp IL9	ComAp IL9	ComAp IL9	ComAp IL9
Control Voltage	V	DC24V	DC24V	DC24V	DC24V	DC24V	DC24V	DC24V
Battery Capacity	AH	110	110	110	110	110	110	110
Coolant Capacity	L	19.2	19.2	32.9	32.9	32.9	32.9	32.9
Base Fueltank Capacity	L	180	180	245	245	245	245	245
Fuel Consumption	L/Hours	9.3	9.3	22	22	22	22	22
Running Time	Hours	19	19	11	11	11	11	11
Sound @ 7 meter	Db	71	71	72	72	72	72	72
Open Type product size	L*W*H(mm)	1850x900x1331	1850x900x1331	2350x1000x1480	2350x1000x1480	2350x1000x1480	2350x1000x1480	2350x1000x1480
Open Type Weight net	KG	860	860	1300	1300	1300	1300	1300
Canopy Type product size	L*W*H(mm)	2500x950x1500	2500x950x1500	3400x1000x1700	3400x1000x1700	3400x1000x1700	3400x1000x1700	3400x1000x1700
Canopy Type Weight net	KG	1340	1340	1820	1820	1820	1820	1820
Engine Specifications								
Engine Model		4BTA3.9-G2	4BTA3.9-G2	6BT5.9-G1	6BT5.9-G2	6BT5.9-G1	6BT5.9-G2	6BT5.9-G1
Prime power	KW	50	50	92	92	92	92	92
Structure		4 Cylinders,inline	4 Cylinders,inline	6 Cylinders,inline	6 Cylinders,inline	6 Cylinders,inline	6 Cylinders,inline	6 Cylinders,inline
Fuel type		Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel
Fuel consumption	L/Hour	9.3	9.3	22	22	22	22	22
Lubricant consumption	L/Hour	0.0465	0.0465	0.11	0.11	0.11	0.11	0.11
Governer		Mechanical	Mechanical	Electrical	Electrical	Electrical	Electrical	Electrical
Cooling		Water	Water	Water	Water	Water	Water	Water
Lubricant capacity	L	10.9	10.9	16.4	16.4	16.4	16.4	16.4
Air intake flow	m <sup>3</sup> /min	2.6	2.6	6	6	6	6	6
Exhaust gas flow	m <sup>3</sup> /min	6	6	15	15	15	15	15
Exhaust gas temperature	OC	550	550	591	591	591	591	591
Exhaust gas back pressure	Kpa	10	10	10	10	10	10	10
Compression ratio		16.5	16.5	17.5	17.5	17.5	17.5	17.5
Aspiration		Turbocharging	Turbocharging	Turbocharging	Turbocharging	Turbocharging	Turbocharging	Turbocharging
Bore	mm	102	102	102	102	102	102	102
Stroke	mm	120	120	120	120	120	120	120
Displacement	L	3.9	3.9	5.9	5.9	5.9	5.9	5.9
SAE		3/11.5	3/11.5	3/11.5	3/11.5	3/11.5	3/11.5	3/11.5
Dimension	L*W*H(mm)	765x582x908	765x582x908	996x711x992	996x711x992	996x711x992	996x711x992	996x711x992
Net weight	KG	308	308	399	399	399	399	399
Alternator Specification								
Model (STAMFORD)		S1L2-R	S1L2-Y	UCI224F	UCI224F	UCI224G	UCI224G	UCI274C
Prime power	KW	40	50	58	58	68	68	80
Model(FARRAND)		224D	224E	224G	224G	224G	224G	274C
Prime power	KW	40	48	58	58	68	68	80
Structure		1 Bearing	1 Bearing	1 Bearing	1 Bearing	1 Bearing	1 Bearing	1 Bearing
Excitation model		Self-excitation	Self-excitation	Self-excitation	Self-excitation	Self-excitation	Self-excitation	Self-excitation
Insulation class		H	H	H	H	H	H	H
Protection class		IP23	IP23	IP23	IP23	IP23	IP23	IP23
TIF		<50	<50	<50	<50	<50	<50	<50
THF		<2%	<2%	<2%	<2%	<2%	<2%	<2%
Air flow	m <sup>3</sup> /s	0.216	0.216	0.216	0.216	0.514	0.514	0.514
AVR Model		AS460	AS460	AS460	AS460	AS460	AS460	AS440

**50Hz Three Phase Cummins Series Diesel Genset Specifications**

Model		SDG100DC /DCS	SDG115DC /DCS	SDG133DC /DCS	SDG150DC /DCS	SDG183DC /DCS	SDG200DC /DCS	SDG228DC /DCS
Reference Model (Open type)		SDG100DC /50/3/F/C	SDG115DC /50/3/F/C	SDG133DC /50/3/F/C	SDG150DC /50/3/F/C	SDG183DC /50/3/F/C	SDG200DC /50/3/F/C	SDG228DC /50/3/F/C
Reference Model (Silent type)		SDG100DCS /50/3/F/C	SDG115DCS /50/3/F/C	SDG133DCS /50/3/F/C	SDG150DCS /50/3/F/C	SDG183DCS /50/3/F/C	SDG200DCS /50/3/F/C	SDG228DCS /50/3/F/C
Reference Model (Open type)		SDG100DC /50/3/S/C	SDG115DC /50/3/S/C	SDG133DC /50/3/S/C	SDG150DC /50/3/S/C	SDG183DC /50/3/S/C	SDG200DC /50/3/S/C	SDG228DC /50/3/S/C
Reference Model (Silent type)		SDG100DCS /50/3/S/C	SDG115DCS /50/3/S/C	SDG133DCS /50/3/S/C	SDG150DCS /50/3/S/C	SDG183DCS /50/3/S/C	SDG200DCS /50/3/S/C	SDG228DCS /50/3/S/C
Prime Power	KVA	100	115	133	150	183	200	228
	KW	80	91	106	127	146	160	182
Standby Power	KVA	110	125	145	175	200	220	251
	KW	88	100	116	140	160	176	201
Power Factor		0.8	0.8	0.8	0.8	0.8	0.8	0.8
Frequency	HZ	50	50	50	50	50	50	50
Rate Voltage	V	400/230	400/230	400/230	400/230	400/230	400/230	400/230
Rate Current	A	144.3	164.5	190.5	229.5	262.7	288.7	329.1
Controlller		ComAp IL9	ComAp IL9	ComAp IL9	II-NT MRS 10	II-NT MRS 10	II-NT MRS 10	ComAp IL9
Control Voltage	V	DC24V	DC24V	DC24V	DC24V	DC24V	DC24V	DC24V
Battery Capacity	AH	110	110	110	160	160	160	240
Coolant Capacity	L	32.9	34.4	34.4	41.3	41.3	41.3	41.1
Base Fueltank Capacity	L	245	245	245	375	375	375	505
Fuel Consumption	L/Hours	22	22	30	40	40	51.4	53
Running Time	Hours	11	11	8	9	9	7	10
Sound @ 7 meter	Db	72	72	72	72	72	72	
Open Type product size	L*W*H(mm)	2350x1000x1480	2350x1000x1480	2395x1000x1442	2550x1150x1560	2550x1150x1560	2550x1150x1560	2550x1150x1708
Open Type Weight net	KG	1300	1450	1550	1820	1820	1860	2150
Canopy Type product size	L*W*H(mm)	3400x1000x1700	3400x1000x1700	3400x1000x1700	3650x1150x1920	3650x1150x1920	3650x1150x1920	3900x1300x2020
Canopy Type Weight net	KG	1820	1970	2080	2450	2450	2480	2810

**Engine Specifications**

Engine Model		6BT5.9-G2	6BTA5.9-G2	6BTAA5.9-G2	6CTA8.3-G2	6CTA8.3-G2	6CTAA8.3-G2	6LTAA8. -G2
Prime power	KW	92	110	120	163	163	183	220
Structure		6 Cylinders,inline	6 Cylinders,inline	6 Cylinders,inline	6 Cylinders,inline	6 Cylinders,inline	6 Cylinders,inline	6 Cylinders,inline
Fuel type		Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel
Fuel consumption	L/Hour	22	22	30	40	40	51.4	53
Lubricant consumption	L/Hour	0.11	0.11	0.15	0.2	0.2	0.257	0.265
Governor		Electrical	Electrical	Electrical	Electrical	Electrical	Electrical	Electrical
Cooling		Water	Water	Water	Water	Water	Water	Water
Lubricant capacity	L	16.4	16.4	16.4	23.8	23.8	23.8	27.6
Air intake flow	m <sup>3</sup> /min	6	8	8	11	11	11	23
Exhaust gas flow	m <sup>3</sup> /min <sup>3</sup>	15	17	17	31	31	31	52
Exhaust gas temperature	OC	591	591	591	591	591	591	591
Exhaust gas back pressure	Kpa	10	10	10	10	10	10	10
Compression ratio		17.5	17.5	16	17	17	17.1	18.1
Aspiration		Turbocharging	Turbocharging	Turbocharging	Turbocharging	Turbocharging	Turbocharging	Turbocharging
Bore	mm	102	102	102	114	114	114	114
Stroke	mm	120	120	120	135	135	135	135
Displacement	L	5.9	5.9	5.9	8.3	8.3	8.3	8.9
SAE		3/11.5	3/11.5	3/11.5	2/11.5	2/11.5	2/11.5	2/11.5
Dimension	L*W*H(mm)	996x711x992	996x711x992	996x711x992	1128x740x1084	1128x740x1084	1128x740x1084	1129x743x1171
Net weight	KG	399	399	399	587	587	587	702

**Alternator Specification**

Model (STAMFORD)		UCI274C	UCI274D	UCI274E	UCI274F	UCI274G	UCI274H	UCDI274J
Prime power	KW	80	96	112	145.6	145.6	160	180
Model(FARRAND)		274C	274D	DG274E	274F	274H	274H	DG274J
Prime power	KW	80	100	112	128	160	160	180
Structure		1 Bearing	1 Bearing	1 Bearing	1 Bearing	1 Bearing	1 Bearing	1 Bearing
Excitation model		Self-excitation	Self-excitation	Self-excitation	Self-excitation	Self-excitation	Self-excitation	Self-excitation
Insulation class		H	H	H	H	H	H	H
Protection class		IP23	IP23	IP23	IP23	IP23	IP23	IP23
TIF		<50	<50	<50	<50	<50	<50	<50
THF		<2%	<2%	<2%	<2%	<2%	<2%	<2%
Air flow	m <sup>3</sup> /s	0.514	0.514	0.514	0.514	0.514	0.514	0.514
AVR Model		AS440	AS440	AS440	AS440	AS440	AS440	AS440

# CUMMINS Series 50HZ 3Phase 25~1523KVA

50Hz Three Phase Cummins Series Diesel Genset Specifications

50Hz Three Phase Cummins Series Diesel Genset Specifications								
Model		SDG250DC /DCS	SDG295DC /DCS	SDG328DC /DCS	SDG350DC /DCS	SDG375DC /DCS	SDG410DC /DCS	SDG455DC /DCS
Reference Model (Open type)		SDG250DC /50/3/F/C	SDG295DC /50/3/F/C	SDG328DC /50/3/F/C	SDG350DC /50/3/F/C	SDG375DC /50/3/F/C	SDG410DC /50/3/F/C	SDG455DC /50/3/F/C
Reference Model (Silent type)		SDG250DCS /50/3/F/C	SDG295DCS /50/3/F/C	SDG328DCS /50/3/F/C	SDG350DCS /50/3/F/C	SDG375DCS /50/3/F/C	SDG410DCS /50/3/F/C	SDG455DCS /50/3/F/C
Reference Model (Open type)		SDG250DC /50/3/S/C	SDG295DC /50/3/S/C	SDG328DC /50/3/S/C	SDG350DC /50/3/S/C	SDG375DC /50/3/S/C	SDG410DC /50/3/S/C	SDG455DC /50/3/S/C
Reference Model (Silent type)		SDG250DCS /50/3/S/C	SDG295DCS /50/3/S/C	SDG328DCS /50/3/S/C	SDG350DCS /50/3/S/C	SDG375DCS /50/3/S/C	SDG410DCS /50/3/S/C	SDG455DCS /50/3/S/C
Prime Power	KVA	250	295	328	350	375	410	455
	KW	200	236	262	280	300	327	364
Standby Power	KVA	275	325	360	385	413	450	500
	KW	220	260	288	308	330	360	400
Power Factor		0.8	0.8	0.8	0.8	0.8	0.8	0.8
Frequency	HZ	50	50	50	50	50	50	50
Rate Voltage	V	400/230	400/230	400/230	400/230	400/230	400/230	400/230
Rate Current	A	360.9	425.8	472.0	505.2	541.3	590.4	656.8
Controlller		ComAp IL9	ComAp IL9	ComAp IL9	ComAp IL9	ComAp IL9	ComAp IL9	ComAp IL9
Control Voltage	V	DC24V	DC24V	DC24V	DC24V	DC24V	DC24V	DC24V
Battery Capacity	AH	240	240	240	240	240	240	240
Coolant Capacity	L	41.1	50	50	60.6	60.6	60.6	75
Base Fueltank Capacity	L	505	505	505	700	700	700	850
Fuel Consumption	L/Hours	53	56	69	72	86	108	97
Running Time	Hours	10	9	7	10	8	6	9
Sound @ 7 meter	Db							
Open Type product size	L*W*H(mm)	2550x1150x1708	2550x1150x1560	2550x1150x1560	2967x1150x1978	2967x1150x1978	2967x1150x1978	3400x1680x2055
Open Type Weight net	KG	2150	2550	2650	3250	3310	3450	3750
Canopy Type product size	L*W*H(mm)	3900x1300x2020	3900x1300x2020	3900x1300x2020	4500x1463x2165	4500x1463x2165	4500x1463x2165	5050x1650x2475
Canopy Type Weight net	KG	2810	3150	3250	4130	4330	4530	4880
Engine Specifications								
Engine Model		6LTA A8. -G2	QSM11-G2	QSM11-G2	NTA855-G2A	NTA855-G7	NTA855-G7A	KTA19-G3
Prime power	KW	220	292	292	313	343	366	403
Structure		6 Cylinders,inline	6 Cylinders,inline	6 Cylinders,inline	6 Cylinders,inline	6 Cylinders,inline	6 Cylinders,inline	6 Cylinders,inline
Fuel type		Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel
Fuel consumption	L/Hour	53	56	69	72	86	108	97
Lubricant consumption	L/Hour	0.265	0.28	0.345	0.36	0.43	0.54	0.485
Governer		Electrical	Electrical	Electrical	Electrical	Electrical	Electrical	Electrical
Cooling		Water	Water	Water	Water	Water	Water	Water
Lubricant capacity	L	27.6	36.7	36.7	38.6	38.6	38.6	50
Air intake flow	m <sup>3</sup> /min	23	20	20	22	28	30	29
Exhaust gas flow	m <sup>3</sup> /min <sup>3</sup>	52	48	48	50	59	60	81
Exhaust gas temperature	OC	591	525	525	485	485	485	524
Exhaust gas back pressure	Kpa	10	10	10	10	10	10	10
Compression ratio		18.1	16.3	16.3	15	14	14.5	13.9
Aspiration		Turbocharging	Turbocharging	Turbocharging	Turbocharging	Turbocharging	Turbocharging	Turbocharging
Bore	mm	114	125	125	140	140	140	159
Stroke	mm	135	147	147	152	152	152	159
Displacement	L	8.9	10.8	10.8	14	14	14	18.9
SAE		2/11.5	114	114	114	114	114	14
Dimension	L*W*H(mm)	1129x743x1171	1429x877x1149	1429x877x1149	1981x933x1597	1981x933x1597	1981x933x1597	2141x1067x1733
Net weight	KG	702	973	973	1315	1345	1410	1855
Alternator Specification								
Model (STAMFORD)		UCDI274K	S4L1S-D	S4L1S-E	S4L1S-E	S4L1S-F	HCI544C	HCI554C
Prime power	KW	200	240	280	280	320	400	400
Model(FARRAND)		274K	444D	444EL	444EL	444F	544C	544C
Prime power	KW	200	240	260	280	304	400	360
Structure		1 Bearing	1 Bearing	1 Bearing	1 Bearing	1 Bearing	1 Bearing	1 Bearing
Excitation model		Self-excitation	Self-excitation	Self-excitation	Self-excitation	Self-excitation	Self-excitation	Self-excitation
Insulation class		H	H	H	H	H	H	H
Protection class		IP23	IP23	IP23	IP23	IP23	IP23	IP23
TIF		<50	<50	<50	<50	<50	<50	<50
THF		<2%	<2%	<2%	<2%	<2%	<2%	<2%
Air flow	m <sup>3</sup> /s	0.514	0.8	0.8	0.8	0.8	1.035	1.035
AVR Model		AS440	AS440	AS440	AS440	AS440	AS440	AS440

**50Hz Single Phase Perkins Series Diesel Genset Specifications**

Model		SDG7P/PS	SDG10P/PS	SDG10P/PS	SDG12P/PS	SDG16P/PS	SDG16P/PS	SDG22P/PS
Reference Model (Open type)		SDG7P/50/1/F/C	SDG10P/50/1/F/C	SDG10P/50/1/F/C	SDG12P/50/1/F/C	SDG16P/50/1/F/C	SDG16P/50/1/F/C	SDG22P/50/1/F/C
Reference Model (Silent type)		SDG7PS/50/1/F/C	SDG10PS/50/1/F/C	SDG10PS/50/1/F/C	SDG12PS/50/1/F/C	SDG16PS/50/1/F/C	SDG16PS/50/1/F/C	SDG22PS/50/1/F/C
Reference Model (Open type)		SDG7P/50/1/S/C	SDG10P/50/1/S/C	SDG10P/50/1/S/C	SDG12P/50/1/S/C	SDG16P/50/1/S/C	SDG16P/50/1/S/C	SDG22P/50/1/S/C
Reference Model (Silent type)		SDG7PS/50/1/S/C	SDG10PS/50/1/S/C	SDG10PS/50/1/S/C	SDG12PS/50/1/S/C	SDG16PS/50/1/S/C	SDG16PS/50/1/S/C	SDG22PS/50/1/S/C
Prime Power	KVA	7	10	10	12	16	16	22
	KW	7	10	10	12	16	16	22
Standby Power	KVA	8	11	11	13	18	18	24
	KW	8	11	11	13	18	18	24
Power Factor		1.0	1.0	1.0	1.0	1.0	1.0	1.0
Frequency	HZ	50	50	50	50	50	50	50
Rate Voltage	V	230	230	230	230	230	230	230
Rate Current	A	30.4	43.5	43.5	52.2	69.6	69.6	95.7
Controlller		ComAp IL9	ComAp IL9	ComAp IL9	ComAp IL9	ComAp IL9	ComAp IL9	ComAp IL9
Control Voltage	V	DC12V	DC12V	DC12V	DC12V	DC12V	DC12V	DC12V
Battery Capacity	AH	36x1	50x1	50x1	50x1	50x1	50x1	50x1
Coolant Capacity	L	5.2	6.0	6.0	6.0	7.0	7.0	7.0
Base Fueltank Capacity	L	78	78	78	78	78	78	78
Fuel Consumption	L/Hours	2.6	6.8	6.8	6.8	5.4	5.4	7.1
Running Time	Hours	30	11	11	11	14	14	11
Sound @ 7 meter	Db	68	68	68	68	69	69	70
Open Type product size	L*W*H(mm)	1560x900x980	1560x900x980	1560x900x980	1560x900x980	1560x900x980	1560x900x980	1560x900x980
Open Type Weight net	KG	305	400	400	420	530	530	530
Canopy Type product size	L*W*H(mm)	1950x900x1120	1950x900x1120	1950x900x1120	1950x900x1120	1950x900x1120	1950x900x1120	1950x900x1120
Canopy Type Weight net	KG	430	650	650	670	750	750	750

**Engine Specifications**

		403D-11G	403D-15G	403A-15G1	403A-15G2	404D-22G	404A-22G1	404D-22TG
Prime power	KW	10	14	14	15	21	21	28
Structure		3 Cylinders,inline	3 Cylinders,inline	3 Cylinders,inline	3 Cylinders,inline	4 Cylinders,inline	4 Cylinders,inline	4 Cylinders,inline
Fuel type		Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel
Fuel consumption	L/Hour	2.6	6.8	6.8	6.8	5.4	5.4	7.1
Lubricant consumption	L/Hour	0.013	0.034	0.034	0.034	0.027	0.0270	0.0355
Governer		Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical
Cooling		Water	Water	Water	Water	Water	Water	Water
Lubricant capacity	L	4.9	6.0	6.0	6.0	10.6	10.6	10.6
Air intake flow	m <sup>3</sup> /min	0.70	1.10	1.10	1.10	1.50	1.5	1.5
Exhaust gas flow	m <sup>3</sup> /min	1.60	2.70	2.70	3.60	5.70	6	6
Exhaust gas temperature	OC	368	445	445	445	445	445	445
Exhaust gas back pressure	Kpa	10	10	10	10	10	10	10
Compression ratio		23.0	23.0	23.0	23.0	23.0	23.0	23.0
Aspiration		Natural	Natural	Natural	Natural	Natural	Natural	Turbocharging
Bore	mm	77	84	84	84	84	84	84
Stroke	mm	81	90	90	90	100	100	100
Displacement	L	1.1	1.5	1.5	1.5	2.2	2.2	2.2
SAE		5/6.5	4/7.5	4/7.5	4/7.5	4/7.5	4/7.5	4/7.5
Dimension	L*W*H(mm)	770x450x450	770x450x450	770x450x450	770x450x450	915x480x840	915x480x840	915x480x840
Net weight	KG	129	129	129	129	240	240	240

**Alternator Specification**

Model (STAMFORD)		S0L1-J	S0L1-S	S0L1-S	PI044G	S0L2-K	S0L2-K	PI144F
Prime power	KW	8	10.8	10.8	12	16	16	22
Model (FARRAND)		164C	164D	164D	184ES	184E	184E	184F
Prime power	KW	9.0	10.0	10	14	16	16	22
Structure		1 Bearing	1 Bearing	1 Bearing	1 Bearing	1 Bearing	1 Bearing	1 Bearing
Excitation model		Self-excitation	Self-excitation	Self-excitation	Self-excitation	Self-excitation	Self-excitation	Self-excitation
Insulation class		H	H	H	H	H	H	H
Protection class		IP23	IP23	IP23	IP23	IP23	IP23	IP23
TIF		<50	<50	<50	<50	<50	<50	<50
THF		<2%	<2%	<2%	<2%	<2%	<2%	<2%
Air flow	m <sup>3</sup> /s	0.071	0.071	0.071	0.071	0.071	0.071	0.071
AVR Model		AS440	AS440	AS440	AS440	AS440	AS440	AS440



50Hz Single Phase Perkins Series Diesel Genset Specifications								
Model		SDG24P/PS	SDG36P/PS	SDG48P/PS	SDG52P/PS	SDG64P/PS	SDG80P/PS	SDG108P/PS
Reference Model (Open type)		SDG24P/50/1/F/C	SDG36P/50/1/F/C	SDG48P/50/1/F/C	SDG52P/50/1/F/C	SDG64P/50/1/F/C	SDG80P/50/1/F/C	SDG108P/50/1/F/C
Reference Model (Silent type)		SDG24PS/50/1/F/C	SDG36PS/50/1/F/C	SDG48PS/50/1/F/C	SDG52PS/50/1/F/C	SDG64PS/50/1/F/C	SDG80PS/50/1/F/C	SDG108PS/50/1/F/C
Reference Model (Open type)		SDG24P/50/1/S/C	SDG36P/50/1/S/C	SDG48P/50/1/S/C	SDG52P/50/1/S/C	SDG64P/50/1/S/C	SDG80P/50/1/S/C	SDG108P/50/1/S/C
Reference Model (Silent type)		SDG24PS/50/1/S/C	SDG36PS/50/1/S/C	SDG48PS/50/1/S/C	SDG52PS/50/1/S/C	SDG64PS/50/1/S/C	SDG80PS/50/1/S/C	SDG108PS/50/1/S/C
Prime Power	KVA	24	36	48	52	64	80	108
	KW	24	36	48	52	64	80	108
Standby Power	KVA	26	40	53	57	70	88	119
	KW	26	40	53	57	70	88	119
Power Factor		1.0	1.0	1.0	1.0	1.0	1.0	1.0
Frequency	HZ	50	50	50	50	50	50	50
Rate Voltage	V	230	230	230	230	230	230	230
Rate Current	A	104.3	156.5	208.7	226.1	278.3	347.8	469.6
Controlller		ComAp IL9	ComAp IL9	ComAp IL9	ComAp IL9	ComAp IL9	ComAp IL9	ComAp IL9
Control Voltage	V	DC12V	DC12V	DC12V	DC12V	DC12V	DC12V	DC24V
Battery Capacity	AH	50x1	50x1	50x1	50x1	50x1	80x1	80x2
Coolant Capacity	L	10.2	10.2	10.2	13.0	13.0	27.0	37.0
Base Fueltank Capacity	L	78	93	93	180	180	245	375
Fuel Consumption	L/Hours	7.1	10.7	14	15	19	20	30
Running Time	Hours	11	9	7	12	10	12	13
Sound @ 7 meter	Db	72	72	72	72	72	72	72
Open Type product size	L*W*H(mm)	1560x900x980	1810x950x1020	1810x950x1020	1995x950x1360	1995x950x1360	2395x1000x1410	2550x1150x1560
Open Type Weight net	KG	610	650	650	820	820	1040	1455
Canopy Type product size	L*W*H(mm)	1950x900x1120	2200x950x1250	2200x950x1250	2500x950x1520	2500x950x1520	3400x1000x1700	3650x1150x1920
Canopy Type Weight net	KG	820	890	890	1250	1250	1500	2020
Engine Specifications								
		1103A-33G	1103A-33TG1	1103A-33TG2	1104A-44TG1	1104A-44TG2	1104C-44TAG2	1106A-70TG1
Prime power	KW	31	47	60	66	72	103	140
Structure		3 Cylinders,inline	3 Cylinders,inline	3 Cylinders,inline	4 Cylinders,inline	4 Cylinders,inline	4 Cylinders,inline	6 Cylinders,inline
Fuel type		Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel
Fuel consumption	L/Hour	7.1	10.7	14	15	19	19	41
Lubricant consumption	L/Hour	0.0355	0.0535	0.07	0.07	0.09	0.09	0.21
Governer		Electrical	Mechanical	Electrical	Mechanical	Mechanical	Mechanical	Electrical
Cooling		Water	Water	Water	Water	Water	Water	Water
Lubricant capacity	L	8.3	7.0	7.0	8.0	8.0	8.0	16.5
Air intake flow	m /min3	2.1	2.9	4	4	5	5	12
Exhaust gas flow	m /min3	6	6	6	10	10	10	29
Exhaust gas temperature	OC	500	492	557	515	555	555	580
Exhaust gas back pressure	Kpa	8	8	8	8	8	8	8
Compression ratio		19.0	19.0	19.0	19.0	19.0	19.0	16.0
Aspiration		Natural	Turbocharging	Turbocharging	Turbocharging	Turbocharging	Turbocharging intercooled	Turbo charging intercooled
Bore	mm	105	105	105	105	105	105	105
Stroke	mm	127	127	227	127	127	127	135
Displacement	L	3.3	3.3	3.3	4.4	4.4	4.4	7.0
SAE		3/11.5	3/11.5	3/11.5	3/11.5	3/11.5	3/11.5	2/11.5
Dimension	L*W*H(mm)	1029x630x950	1029x630x950	1029x630x950	1240x630x950	1240x630x950	1240x630x950	1680x770x1065
Net weight	KG	430	430	430	485	485	485	630
Alternator Specification								
Model (STAMFORD)		S1L2-K	UCI224E	UCI224F	UCI224G	UCI274C	UCI274E	UCI274E
Prime power	KW	27	40	50	60	66	94	112
Model (FARRAND)		184G	224E	224F	224G	274C	274E	274E
Prime power	KW	24	40	50	60	66	94	112
Structure		1 Bearing	1 Bearing	1 Bearing	1 Bearing	1 Bearing	1 Bearing	1 Bearing
Excitation model		Self-excitation	Self-excitation	Self-excitation	Self-excitation	Self-excitation	Self-excitation	Self-excitation
Insulation class		H	H	H	H	H	H	H
Protection class		IP23	IP23	IP23	IP23	IP23	IP23	IP23
TIF		<50	<50	<50	<50	<50	<50	<50
THF		<2%	<2%	<2%	<2%	<2%	<2%	<2%
Air flow	m3/s	0.071	0.071	0.071	0.071	0.071	0.071	0.071
AVR Model		AS440	AS440	AS440	AS440	AS440	AS440	AS440

**50Hz Three Phase Perkins Series Diesel Genset Specifications**

Model	SDG10P/PS	SDG10P/PS	SDG13P/PS	SDG13P/PS	SDG15P/PS	SDG20P/PS	SDG20P/PS	SDG28P/PS	SDG30P/PS	SDG45P/PS	
Reference Model (Open type)	SDG10P /50/3/F/C	SDG10P /50/3/F/C	SDG13P /50/3/F/C	SDG13P /50/3/F/C	SDG15P /50/3/F/C	SDG20P /50/3/F/C	SDG20P /50/3/F/C	SDG28P /50/3/F/C	SDG30P /50/3/F/C	SDG45P /50/3/F/C	
Reference Model (Silent type)	SDG10PS /50/3/F/C	SDG10PS /50/3/F/C	SDG13PS /50/3/F/C	SDG13PS /50/3/F/C	SDG15PS /50/3/F/C	SDG20PS /50/3/F/C	SDG20PS /50/3/F/C	SDG28PS /50/3/F/C	SDG30PS /50/3/F/C	SDG45PS /50/3/F/C	
Reference Model (Open type)	SDG10P /50/3/S/C	SDG10P /50/3/S/C	SDG13P /50/3/S/C	SDG13P /50/3/S/C	SDG15P /50/3/S/C	SDG20P /50/3/S/C	SDG20P /50/3/S/C	SDG28P /50/3/S/C	SDG30P /50/3/S/C	SDG45P /50/3/S/C	
Reference Model (Silent type)	SDG10PS /50/3/S/C	SDG10PS /50/3/S/C	SDG13PS /50/3/S/C	SDG13PS /50/3/S/C	SDG15PS /50/3/S/C	SDG20PS /50/3/S/C	SDG20PS /50/3/S/C	SDG28PS /50/3/S/C	SDG30PS /50/3/S/C	SDG45PS /50/3/S/C	
Prime Power	KVA	10	10	13	13	15	20	20	28	30	45
	KW	8	8	10	10	12	16	16	22	24	36
Standby Power	KVA	9	9	11	11	13	18	18	24	26	40
	KW	9	9	11	11	13	18	18	24	26	40
Power Factor		0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
Frequency	HZ	50	50	50	50	50	50	50	50	50	50
Rate Voltage	V	400230	400230	400230	400230	400230	400230	400230	400230	400230	400230
Rate Current	A	14.4	14.4	18.0	18.0	21.7	28.9	28.9	39.7	43.3	65.0
Controlller		ComAp IL9	ComAp IL9	ComAp IL9	ComAp IL9	ComAp IL9	ComAp IL9	ComAp IL9	ComAp IL9	ComAp IL9	ComAp IL9
Control Voltage	V	DC12V	DC12V	DC12V	DC12V	DC12V	DC12V	DC12V	DC12V	DC12V	DC12V
Battery Capacity	AH	36x1	36x1	50x1	50x1	50x1	50x1	50x1	50x1	50x1	50x1
Coolant Capacity	L	5.2	5.2	6.0	6.0	6.0	7.0	7.0	7.0	10.2	10.2
Base Fueltank Capacity	L	78	78	78	78	78	78	78	78	78	93
Fuel Consumption	L/Hours	2.6	2.6	6.8	6.8	6.8	5.4	5.4	7.1	7.1	11
Running Time	Hours	30	30	11	11	11	14	14	11	11	9
Sound @ 7 meter	Db	68	68	68	68	68	68	68	70	72	72
Open Type product size	L*W*H(mm)	1560x900x980	1560x900x980	1560x900x980	1560x900x980	1560x900x980	1560x900x980	1560x900x980	1560x900x980	1560x900x980	1810x950x1020
Open Type Weight net	KG	305	305	400	400	420	530	530	530	610	650
Canopy Type product size	L*W*H(mm)	1950x900x1120	1950x900x1120	1950x900x1120	1950x900x1120	1950x900x1120	1950x900x1120	1950x900x1120	1950x900x1120	1950x900x1120	2200x950x1250
Canopy Type Weight net	KG	430	430	650	650	670	750	750	750	820	890
<b>Engine Specifications</b>											
		403D-11G	403A-11G1	403D-15G	403A-15G1	403A-15G2	404D-22G	404A-22G1	404D-22TG	1103A-33G	1103A-33TG1
Prime power	KW	8	8	12	12	14	18	18	25	28	41
Structure		3 Cylinders,inline									
Fuel type		Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel
Fuel consumption	L/Hour	2.6	2.6	6.8	6.8	6.8	5.4	5.4	7.1	7.1	11
Lubricant consumption	L/Hour	0.013	0.013	0.034	0.034	0.034	0.0270	0.0270	0.0355	0.0355	0.05
Governer		Mechanical						Mechanical		Electrical	Mechanical
Cooling		Water	Water	Water	Water	Water	Water	Water	Water	Water	Water
Lubricant capacity	L	4.9	4.9	6.0	6.0	6.0	10.6	10.6	10.6	8.3	7.0
Air intake flow	m /min3	0.70	0.70	1.10	1.10	1.10	1.5	1.5	1.5	2.1	3
Exhaust gas flow	m /min3	1.60	1.60	2.70	2.70	3.60	6	6	6	6	6
Exhaust gas temperature	OC	368	368	445	445	445	445	445	445	500	492
Exhaust gas back pressure	Kpa	10	10	10	10	10	10	10	10	8	8
Compression ratio		23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	19.0	19.0
Aspiration		Natural	Natural	Natural	Natural	Natural	Natural	Natural	Turbocharging	Natural	Turbocharging
Bore	mm	77	77	84	84	84	84	84	84	105	105
Stroke	mm	81	81	90	90	90	100	100	100	127	127
Displacement	L	1.1	1.1	1.5	1.5	1.5	2.2	2.2	2.2	3.3	3.3
SAE		5/6.5	5/6.5	4/7.5	4/7.5	4/7.5	4/7.5	4/7.5	4/7.5	3/11.5	3/11.5
Dimension	L*W*H(mm)	770x450x450	770x450x450	770x450x450	770x450x450	770x450x450	915x480x840	915x480x840	915x480x840	1029x630x950	1029x630x950
Net weight	KG	129	129	129	129	129	240	240	240	430	430
<b>Alternator Specification</b>											
Model (STAMFORD)		SOL1-H	SOL1-H	SOL1-L	SOL1-L	SOL1-P	SOL2-G	SOL2-G	PI144F	SOL2-P	S1L2-R
Prime power	KW	8	8	10	10	12	16	16	22	24	40
Model (FARRAND)		164B	164B	164C	164C	164D	184ES	184ES	184F	184G	224D
Prime power	KW	8.8	8.8	11	11	13	16	16	22	24	40
Structure		1 Bearing	1 Bearing	1 Bearing	1 Bearing	1 Bearing	1 Bearing	1 Bearing	1 Bearing	1 Bearing	1 Bearing
Excitation model		Self-excitation									
Insulation class		H	H	H	H	H	H	H	H	H	H
Protection class		IP23	IP23	IP23	IP23	IP23	IP23	IP23	IP23	IP23	IP23
TIF		<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
THF		<2%	<2%	<2%	<2%	<2%	<2%	<2%	<2%	<2%	<2%
Air flow	m3/s	0.071	0.071	0.071	0.071	0.071	0.071	0.071	0.071	0.071	0.071
AVR Model		AS440	AS440	AS440	AS440	AS440	AS440	AS440	AS440	AS440	AS440

## 50Hz Three Phase Perkins Series Diesel Genset Specifications

Model	SDG60P/PS	SDG65P/PS	SDG80P/PS	SDG100P/PS	SDG135P/PS	SDG150P/PS	SDG180P/PS	SDG200P/PS	SDG230P/PS	SDG250P/PS	
Reference Model (Open type)	SDG60P /50/3/F/C	SDG65P /50/3/F/C	SDG80P /50/3/F/C	SDG100P /50/3/F/C	SDG135P /50/3/F/C	SDG150P /50/3/F/C	SDG180P /50/3/F/C	SDG200P /50/3/F/C	SDG230P /50/3/F/C	SDG250P /50/3/F/C	
Reference Model (Silent type)	SDG60PS /50/3/S/C	SDG65PS /50/3/S/C	SDG80PS /50/3/S/C	SDG100PS /50/3/S/C	SDG135PS /50/3/S/C	SDG150PS /50/3/S/C	SDG180PS /50/3/S/C	SDG200PS /50/3/S/C	SDG230PS /50/3/S/C	SDG250PS /50/3/S/C	
Reference Model (Open type)	SDG60P /50/3/S/C	SDG65P /50/3/S/C	SDG80P /50/3/S/C	SDG100P /50/3/S/C	SDG135P /50/3/S/C	SDG150P /50/3/S/C	SDG180P /50/3/S/C	SDG200P /50/3/S/C	SDG230P /50/3/S/C	SDG250P /50/3/S/C	
Reference Model (Silent type)	SDG60PS /50/3/S/C	SDG65PS /50/3/S/C	SDG80PS /50/3/S/C	SDG100PS /50/3/S/C	SDG135PS /50/3/S/C	SDG150PS /50/3/S/C	SDG180PS /50/3/S/C	SDG200PS /50/3/S/C	SDG230PS /50/3/S/C	SDG250PS /50/3/S/C	
Prime Power	KVA	60	65	80	100	135	150	180	200	230	250
	KW	48	52	64	80	108	120	144	160	184	200
Standby Power	KVA	53	57	70	88	119	132	158	176	253	275
	KW	53	57	70	88	119	132	158	176	202	220
Power Factor		0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
Frequency	HZ	50	50	50	50	50	50	50	50	50	50
Rate Voltage	V	400230	400230	400230	400230	400230	400230	400230	400230	400230	400230
Rate Current	A	86.6	93.8	115.5	144.3	194.9	216.5	259.8	288.7	324.8	360.9
Controllor		ComAp IL9	ComAp IL9	ComAp IL9	ComAp IL9	ComAp IL9	ComAp IL9	ComAp IL9	ComAp IL9	ComAp IL9	ComAp IL9
Control Voltage	V	DC12V	DC12V	DC12V	DC12V	DC24V	DC24V	DC24V	DC24V	DC24V	DC24V
Battery Capacity	AH	50x1	50x1	50x1	80x1	80x2	80x2	120x2	120x2	120x2	120x2
Coolant Capacity	L	10.2	13.0	13.0	27.0	37.0	37.0	21.0	21.0	37.0	37.0
Base Fueltank Capacity	L	93	180	180	245	375	375	375	375	505	505
Fuel Consumption	L/Hours	14	15	19	20	30	41	41	45	53	55.6
Running Time	Hours	7	12	10	12	13	9	9	8	10	9
Sound @ 7 meter	Db	72	72	72	72	72	72	72	72	72	72
Open Type product size	L*W*H(mm)	1810x950x1020	1995x950x1360	1995x950x1360	2395x1000x1410	2550x1150x1560	2550x1150x1560	2550x1150x1560	2550x1150x1560	2900x1300x1600	2900x1300x1600
Open Type Weight net	KG	650	820	820	1040	1455	1455	1820	1910	2200	2250
Canopy Type product size	L*W*H(mm)	2200x950x1250	2500x950x1520	2500x950x1520	3400x1000x1700	3650x1150x1920	3650x1150x1920	3650x1150x1920	3650x1150x1920	3900x1300x2020	3900x1300x2020
Canopy Type Weight net	KG	890	1250	1250	1500	2020	2020	2350	2380	2780	2810

## Engine Specifications

		1103A-33TG2	1104A-44TG1	1104A-44TG2	1104C-44TAG2	1106A-70TG1	1106A-70TAG2	1106A-70TAG3	1106A-70TAG4	1206A-E70TTAG2	1206A-E70TTAG3
Prime power	KW	54	58	72	94	127	140	169	183	206	226
Structure		3 Cylinders, inline	4 Cylinders, inline	4 Cylinders, inline	4 Cylinders, inline	6 Cylinders, inline	6 Cylinders, inline	6 Cylinders, inline	6 Cylinders, inline	6 Cylinders, inline	6 Cylinders, inline
Fuel type		Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel
Fuel consumption	L/Hour	14	15	19	19	41	41	41	45	53	55.6
Lubricant consumption	L/Hour	0.07	0.07	0.09	0.09	0.21	0.21	0.21	0.2	0.3	0.278
Governer		Electrical	Mechanical	Mechanical	Mechanical	Electrical	Electrical	Electrical	Electrical	EFI pump	EFI pump
Cooling		Water	Water	Water	Water	Water	Water	Water	Water	Water	Water
Lubricant capacity	L	7.0	8.0	8.0	8.0	16.5	16.5	16.5	16.5	28.3	28.3
Air intake flow	m <sup>3</sup> /min	4	4	5	5	12	12	12	12	15	15
Exhaust gas flow	m <sup>3</sup> /min	6	10	10	10	29	29	29	29	40	40
Exhaust gas temperature	OC	557	515	555	555	580	580	580	580	526	526
Exhaust gas back pressure	Kpa	8	8	8	8	8	8	8	8	10	10
Compression ratio		19.0	19.0	19.0	19.0	16.0	16.0	16	16	16	16.0
Aspiration		Turbocharging					Turbo charging intercooled				
Bore	mm	105	105	105	105	105	105	105	105	116	116
Stroke	mm	227	127	127	127	135	135	135	135	136	136
Displacement	L	3.3	4.4	4.4	4.4	7.0	7.0	7.0	7.0	8.7	8.7
SAE		3/11.5	3/11.5	3/11.5	3/11.5	2/11.5	2/11.5	2/11.5	2/11.5	2/11.5	2/11.5
Dimension	L*W*H(mm)	1029x630x950	1240x630x950	1240x630x950	1240x630x950	1680x770x1065	1680x770x1065	1680x770x1065	1680x770x1065	1820x870x1370	1820x870x1370
Net weight	KG	430	485	485	485	630	630	630	630	690	690

## Alternator Specification

Model (STAMFORD)	S1L2-Y	UCI224F	UCI224G	UCI274C	UCI274E	UCI274F	UCI274G	UCI274H	UCDI 274J	UCDI 274K	
Prime power	KW	50	58	68	80	112	128	146	160	200	
Model (FARRAND)		224E	224F	224G	274C	274E	274F	274G	274H	274J	274K
Prime power	KW	48	58	68	80	112	128	146	160	184	200
Structure		1 Bearing	1 Bearing	1 Bearing	1 Bearing	1 Bearing	1 Bearing	1 Bearing	1 Bearing	1 Bearing	1 Bearing
Excitation model		Self-excitation									
Insulation class		H	H	H	H	H	H	H	H	H	H
Protection class		IP23	IP23	IP23	IP23	IP23	IP23	IP23	IP23	IP23	IP23
TIF		<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
THF		<2%	<2%	<2%	<2%	<2%	<2%	<2%	<2%	<2%	<2%
Air flow	m <sup>3</sup> /s	0.071	0.071	0.071	0.071	0.071	0.071	0.071	0.071	0.071	0.071
AVR Model		AS440	AS440	AS440	AS440	AS440	AS440	AS440	AS440	AS440	AS440

50Hz Three Phase Perkins Series Diesel Genset Specifications

Model	SDG300P/PS	SDG350P/PS	SDG400P/PS	SDG455P/PS	SDG500P/PS	SDG591.25P/PS	SDG650P/PS	SDG750P/PS	SDG800P/PS	
Reference Model (Open type)	SDG300P/50/3/F/C	SDG350P/50/3/F/C	SDG400P/50/3/F/C	SDG455P/50/3/F/C	SDG500P/50/3/F/C	SDG591.25P/50/3/F/C	SDG650P/50/3/F/C	SDG750P/50/3/F/C	SDG800P/50/3/F/C	
Reference Model (Silent type)	SDG300PS/50/3/F/C	SDG350PS/50/3/F/C	SDG400PS/50/3/F/C	SDG455PS/50/3/F/C	SDG500PS/50/3/F/C	SDG591.25PS/50/3/F/C	SDG650PS/50/3/F/C	SDG750PS/50/3/F/C	SDG800PS/50/3/F/C	
Reference Model (Open type)	SDG300P/50/3/S/C	SDG350P/50/3/S/C	SDG400P/50/3/S/C	SDG455P/50/3/S/C	SDG500P/50/3/S/C	SDG591.25P/50/3/S/C	SDG650P/50/3/S/C	SDG750P/50/3/S/C	SDG800P/50/3/S/C	
Reference Model (Silent type)	SDG300PS/50/3/S/C	SDG350PS/50/3/S/C	SDG400PS/50/3/S/C	SDG455PS/50/3/S/C	SDG500PS/50/3/S/C	SDG591.25PS/50/3/S/C	SDG650PS/50/3/S/C	SDG750PS/50/3/S/C	SDG800PS/50/3/S/C	
Prime Power	KVA	300	350	400	455	500	591	650	750	800
	KW	240	280	320	364	400	473	520	600	640
Standby Power	KVA	330	385	440	501	550	650	715	825	880
	KW	264	308	352	400	440	520	572	660	704
Power Factor		0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
Frequency	HZ	50	50	50	50	50	50	50	50	50
Rate Voltage	V	400230	400230	400230	400230	400230	400230	400230	400230	400230
Rate Current	A	433.0	505.2	577.4	656.8	721.7	866.1	938.2	1082.6	1154.7
Controlller		ComAp IL9	ComAp IL9	ComAp IL9	ComAp IL9	ComAp IL9	ComAp IL9	ComAp IL9	ComAp IL9	ComAp IL9
Control Voltage	V	DC24V	DC24V	DC24V	DC24V	DC24V	DC24V	DC24V	DC24V	DC24V
Battery Capacity	AH	120x2	120x2	120x2	120x2	120x2	120x2	120x2	120x2	120x4
Coolant Capacity	L	37.0	51.0	51	58	58.0	61.0	61.0	105	105
Base Fueltank Capacity	L	750	750	750	900	900	900	900	NA	NA
Fuel Consumption	L/Hours	58	77	80	99	95	123	140	159	165
Running Time	Hours	13	10	9	9	10	7	6	NA	NA
Sound @ 7 meter	Db	72	72	72	72	72	72	72	72	72
Open Type product size	L*W*H(mm)	3257x1150x2124	3257x1150x2124	3257x1150x2124	3430x1540x2187	3430x1540x2187	3430x1540x2187	3430x1540x2187	4000x1800x2300	4000x1800x2300
Open Type Weight net	KG	3200	3200	3200	3750	3980	4200	4500	4750	5100
Canopy Type product size	L*W*H(mm)	4500x1463x2150	4500x1463x2150	4500x1463x2150	5022x1652x2475	5022x1652x2475	5022x1652x2475	5022x1652x2475	ISO 20ft	ISO 20ft
Canopy Type Weight net	KG	3900	3900	3900	4760	4980	5380	5700	NA	NA

Engine Specifications

		1706A-E93TAG1	2206C-E13TAG2	2206C-E13TAG3	2506C-E15TAG1	2506C-E15TAG2	2806C-E18TAG1A	2806C-E18TAG2	4006-23TAG2A	4006-23TAG3A
Prime power	KW	295	305	349	396	451	522	565	632	679
Structure		6 Cylinders,inline	6 Cylinders,inline	6 Cylinders,inline	6 Cylinders,inline	6 Cylinders,inline	6 Cylinders,inline	6 Cylinders,inline	6 Cylinders,inline	6 Cylinders,inline
Fuel type		Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel
Fuel consumption	L/Hour	58	77	80	99	95	123	140	159	165
Lubricant consumption	L/Hour	0.290	0.385	0.40	0.495	0.48	0.62	0.70	0.795	0.825
Governer		EFI pump	EFI pump	EFI pump	EFI pump	EFI pump	EFI pump	EFI pump	Electrical	Electrical
Coolling		Water	Water	Water	Water	Water	Water	Water	Water	Water
Lubricant capacity	L	36.0	40.0	40.0	62.0	62.0	62.0	62.0	80	74
Air intake flow	m /min3	32	32	32	38	38	38	38	64	42
Exhaust gas flow	m /min3	79	79	79	87	94	94	94	180	180
Exhaust gas temperature	OC	526	526	526	550	550	500	500	430	480
Exhaust gas back pressure	Kpa	10	10	10	10	10	10	10	5	5
Compression ratio		16.0	16.0	16.0	15.0	16	15	14.5	13.6	13.6
Aspiration		Turbo charging intercooled								
Bore	mm	117	130	130	137	137	145	145	160	160
Stroke	mm	146	157	157	171	171	183	183	190	190
Displacement	L	9.3	12.5	12.5	15.2	15	18	18	22.9	22.9
SAE		2/11.5	114	114	0.5/14	0.5/14	18	18	18	18
Dimension	L*W*H(mm)	1960x1060x1350	1960x1060x1350	1960x1060x1350	2657x1120x1718	2657x1120x1718	2657x1120x1718	2657x1120x1718	3027x1706x1964	3027x1706x1964
Net weight	KG	800	800	800	1714	1714	1714	1714	2663	2663

Alternator Specification

Model (STAMFORD)	S4L1S-D	S4L1S-E	S4L1S-F	HCI544C	HCI544C	HCI544E	HCI544F	HCI634G	HCI634G	
Prime power	KW	240	280	320	400	400	488	536	648	648
Model (FARRAND)		444D	444E	444F	544C	544C	544E	544F	634B	634C
Prime power	KW	240	280	320	400	400	488	536	600	640
Structure		1 Bearing	1 Bearing	1 Bearing	1 Bearing	1 Bearing	1 Bearing	1 Bearing	1 Bearing	1 Bearing
Excitation model		Self-excitation	Self-excitation	Self-excitation	Self-excitation	Self-excitation	Self-excitation	Self-excitation	Self-excitation	Self-excitation
Insulation class		H	H	H	H	H	H	H	H	H
Protection class		IP23	IP23	IP23	IP23	IP23	IP23	IP23	IP23	IP23
TIF		<50	<50	<50	<50	<50	<50	<50	<50	<50
THF		<2%	<2%	<2%	<2%	<2%	<2%	<2%	<2%	<2%
Air flow	m3/s	0.071	0.071	0.1	0.1	0.1	0.1	0.071	0.071	0.071
AVR Model		AS440	AS440	AS440	AS440	AS440	AS440	AS440	AS440	AS440

## 50Hz Three Phase Perkins Series Diesel Genset Specifications

Model	SDG900P/PS	SDG1022.5P/PS	SDG1250P/PS	SDG1350P/PS	SDG1500P/PS	SDG1710P/PS	SDG1850P/PS	SDG2000P/PS	SDG2250P/PS	
Reference Model (Open type)	SDG900P /50/3/F/C	SDG1022.5P /50/3/F/C	SDG1250P /50/3/F/C	SDG1350P /50/3/F/C	SDG1500P /50/3/F/C	SDG1710P /50/3/F/C	SDG1850P /50/3/F/C	SDG2000P /50/3/F/C	SDG2250P /50/3/F/C	
Reference Model (Silent type)	SDG900PS /50/3/S/C	SDG1022.5PS /50/3/S/C	SDG1250PS /50/3/S/C	SDG1350PS /50/3/S/C	SDG1500PS /50/3/S/C	SDG1710PS /50/3/S/C	SDG1850PS /50/3/S/C	SDG2000PS /50/3/S/C	SDG2250PS /50/3/S/C	
Reference Model (Open type)	SDG900P /50/3/S/C	SDG1022.5P /50/3/S/C	SDG1250P /50/3/S/C	SDG1350P /50/3/S/C	SDG1500P /50/3/S/C	SDG1710P /50/3/S/C	SDG1850P /50/3/S/C	SDG2000P /50/3/S/C	SDG2250P /50/3/S/C	
Reference Model (Silent type)	SDG900PS /50/3/S/C	SDG1022.5PS /50/3/S/C	SDG1250PS /50/3/S/C	SDG1350PS /50/3/S/C	SDG1500PS /50/3/S/C	SDG1710PS /50/3/S/C	SDG1850PS /50/3/S/C	SDG2000PS /50/3/S/C	SDG2250PS /50/3/S/C	
Prime Power	KVA	900	1023	1250	1350	1500	1710	1850	2000	2250
	KW	720	818	1000	1080	1200	1368	1480	1600	1800
Standby Power	KVA	990	1125	1375	1485	1650	1881	2035	2200	2475
	KW	792	900	1100	1188	1320	1505	1628	1760	1980
Power Factor		0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
Frequency	HZ	50	50	50	50	50	50	50	50	50
Rate Voltage	V	400230	400230	400230	400230	400230	400230	400230	400230	400230
Rate Current	A	1299.1	1475.9	1804.3	1948.6	2165.1	2468.2	2670.3	2886.8	3247.7
Controlller		ComAp IL9	ComAp IL9	ComAp IL9	ComAp IL9	ComAp IL9	ComAp IL9	ComAp IL9	ComAp IL9	ComAp IL9
Control Voltage	V	DC24V	DC24V	DC24V	DC24V	DC24V	DC24V	DC24V	DC24V	DC24V
Battery Capacity	AH	120x4	120x4	200x4	200x4	200x4	200x4	200x4	200x4	200x4
Coolant Capacity	L	105	105	240	240	240	240	316	316	316
Base Fueltank Capacity	L	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fuel Consumption	L/Hours	194	221.0	262	258	306	306	258	306	473
Running Time	Hours	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sound @ 7 meter	Db	72	72	72	72	72	72	72	72	72
Open Type product size	L*W*H(mm)	4655x2050x2300	4655x2050x2300	4800x1700x2550	4800x1700x2550	4800x1700x2550	4800x1700x2550	5650x2250x2900	5650x2250x2900	5650x2250x2900
Open Type Weight net	KG	7700	7900	9000	9000	9000	9000	12000	12000	15000
Canopy Type product size	L*W*H(mm)	ISO 20ft	ISO 20ft	ISO 40ft	ISO 40ft	ISO 40ft	ISO 40ft	ISO 40ft	ISO 40ft	ISO 40ft
Canopy Type Weight net	KG	NA	NA	NA	NA	NA	NA	NA	NA	NA

## Engine Specifications

		4008TAG1A	4008TAG2A	4012-46TWG2A	4012-46TWG3A	4012-46TAG2A	4012-46TAG3A	4016TAG1A	4016TAG2A	4016-61TRG3
Prime power	KW	767	861	1053	1149	1267	1450	1558	1684	1875
Structure		8 Cylinders,inline	8 Cylinders,inline	12 Cylinders,V type	12 Cylinders,V type	12 Cylinders,V type	12 Cylinders,V type	16 Cylinders,V type	1 Cylinders,V type	16 Cylinders,V type
Fuel type		Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel
Fuel consumption	L/Hour	194	221.0	262	258	306	306	258	306	473
Lubricant consumption	L/Hour	0.970	1.1050	1.31	1.290	1.53	1.530	1.290	1.530	2.365
Governer		Electrical	Electrical	Electrical	Electrical	Electrical	Electrical	Electrical	Electrical	Electrical
Cooling		Water	Water	Water	Water	Water	Water	Water	Water	Water
Lubricant capacity	L	166	166	NA	178	178	178	178	178	214
Air intake flow	m <sup>3</sup> /min	70	70	120	103	100	100	100	100	175
Exhaust gas flow	m <sup>3</sup> /min	183	200	315	350	350	350	343	387	490
Exhaust gas temperature	OC	480	480	422	474	500	500	500	500	500
Exhaust gas back pressure	Kpa	5	5	5	5	5	5	5	5	5
Compression ratio		13.6	13.6	13.0	13.0	13.0	13.0	13.0	13.0	13.0
Aspiration										
Bore	mm	160	160	160	160	160	160	160	160	160
Stroke	mm	190	190	190	190	190	190	190	190	190
Displacement	L	31	30.6	45	45.8	45.8	46	45.8	45.8	61.0
SAE		18	18	18	18	18	18	18	18	18
Dimension	L*W*H(mm)	3852x2046x2067	3852x2046x2067	3714x1978x2255	3714x1978x2255	3714x1978x2255	3714x1978x2255	3300x1723x2128	3300x1723x2128	3300x1723x2128
Net weight	KG	4320	4320	5615	5615	5615	5615	5847	5847	5847

## Alternator Specification

Model (STAMFORD)		HCI634H	HCI634J	HCI634K	PI734B	PI734C	PI734E	PI734E	PI734F	PI734H
Prime power	KW	752	824	1008	1120	1240	1368	1520	1664	1860
Model (FARRAND)		634D	634J	634G	734B	734C	734E	734E	734F	734H
Prime power	KW	720	818	1000	1120	1240	1368	1520	1664	1860
Structure		1 Bearing	1 Bearing	1 Bearing	1 Bearing	1 Bearing	1 Bearing	1 Bearing	1 Bearing	1 Bearing
Excitation model		Self-excitation	Self-excitation	Self-excitation	Self-excitation	Self-excitation	Self-excitation	Self-excitation	Self-excitation	Self-excitation
Insulation class		H	H	H	H	H	H	H	H	H
Protection class		IP23	IP23	IP23	IP23	IP23	IP23	IP23	IP23	IP23
TIF		<50	<50	<50	<50	<50	<50	<50	<50	<50
THF		<2%	<2%	<2%	<2%	<2%	<2%	<2%	<2%	<2%
Air flow	m <sup>3</sup> /s	0.071	0.071	0.071	0.07	0.07	0.07	0.07	0.07	0.07
AVR Model		AS440	AS440	AS440	AS440	AS440	AS440	AS440	AS440	AS440

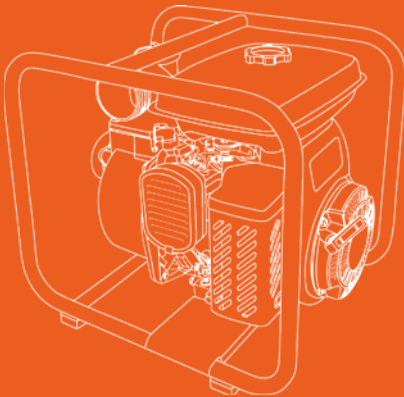


**067** GASOLINE CLEAR WATER PUMP

**067** KEROSENE CLEAR WATER PUMP

**067** FLEXIBLE SHAFT WATER PUMP

**069** DIESEL CLEAR WATER PUMP



## EXCALIBUR WATER PUMP

---

The clear water pump is used to provide continuous supply of water to industrial commercial establishments, houses, hospitals, aquariums, and agriculture.

-  SPRINKLER
-  WASHING
-  20-55m+  
HIGHLIFT
-  FIRE FIGHTING
-  IRRIGATION
-  SHALLOW WELL



**070** HIGH PRESSURE WATER PUMP

**071** HIGH PRESSURE CAST IRON WATER PUMP

**073** SEMI-TRASH WATER PUMP

**073** CHEMICAL WATER PUMP

## Clear Water Pump



## Gasoline Water Pump

Model	SP-205	SP-305	SP-405	SP-405-1
Type	Self-priming centrifugal pump			
Suction*delivery (mm) (inch)	50*50 / 2*2	80*80 / 3*3	100*100 / 4*4	
Total Head (m)	46	32	28	28
Suction Head (m)	8	8	8	8
Max delivery volume (m³/h)	36	60	80	80
Mechanical seal	Ceramic Carbon			
Engine model	S20	S20	S28D	S28D
Fuel tank capacity (L)	3.8	3.8L	5.5L	12.5L
Starting system	Manual			
Packing size (L*W*H) mm	495*380*440		590*460*535	590*465*660
Net weight (KG)	26	28	40	42

## Kerosene Water Pump

Model	SP-205K	SP-305K
Type	Self-priming centrifugal pump	
Suction*delivery (mm) (inch)	50*50 / 2*2	80*80 / 3*3
Total Head (m)	46	32
Suction Head (m)	7	7
Max delivery volume (m³/h)	36	60
Mechanical seal	Ceramic Carbon	
Engine model	S20K	
Fuel tank capacity (L)	3.4L	
Starting system	Manual	
Packing size (L*W*H) mm	495*380*440	
Net weight (KG)	27	28



● SFP50

● SFP80

## Flexible Shaft Water Pump

Model	SFP50	SFP80
Discharge diameter (mm)	50	80
Flexible shaft (m)	6	6
Join type	PIN TYPE ; BUTTERFLY TYPE	
Max lift (m)	16	12
Max delivery volume (m³/h)	25	40
Engine model	S20	
Fuel tank capacity (L)	3.8	3.8
Starting system	Recoil starter	
Packing size (L*W*H) mm	515*380*515	
Net weight (kg)	22	24





## Clear Water Pump

## Gasoline Water Pump

Model	SP-205B (E)	SP-305B (E)	SP-405B (E)	SP-805BE-1
Type	Self-priming centrifugal pump			
Suction*delivery (mm) (inch)	50*50/2*2	80*80/3*3	100*100/4*4	200*200/8*8
Total Head (m)	46	32	28	25
Suction Head (m)	8	8	8	5
Max delivery volume (m <sup>3</sup> /h)	36	60	80	242
Mechanical seal	Ceramic Carbon			
Engine model	S200	S200	S390(E)	S2V80FE
Fuel tank capacity (L)	3.6	3.6	6.5	15
Starting system	Manual Start/Electric Start			Electric Start
Packing size (L*W*H) mm	470*380*450	510*380*450	635*455*545	1020*780*870
Net weight (KG)	24	28	47	170



## Kerosene Water Pump

Model	SP-205BK	SP-305BK
Type	Self-priming centrifugal pump	
Suction*delivery (mm) (inch)	50*50/2*2	80*80/3*3
Total Head (m)	46	32
Suction Head (m)	8	8
Max delivery volume (m <sup>3</sup> /h)	36	60
Mechanical seal	Ceramic Carbon	
Engine model	S200FK	S200FK
Fuel tank capacity (L)	3.6	3.6
Starting system	Manual start	
Packing size (L*W*H) mm	470*380*450	510*380*450
Net weight (kg)	24	28

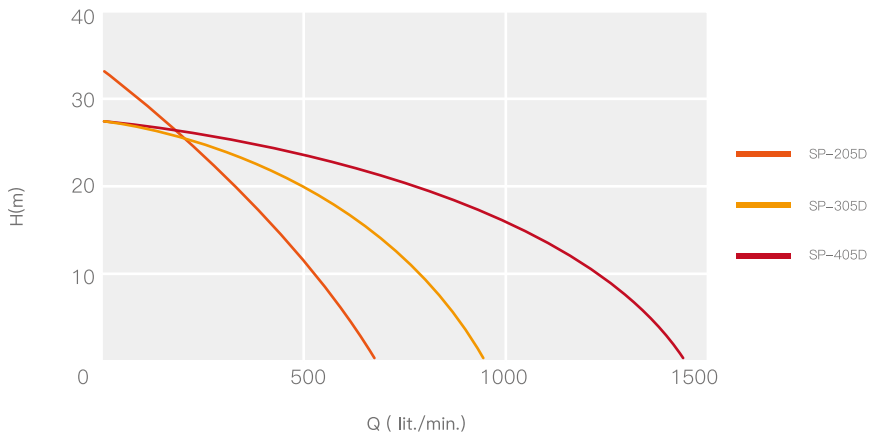
# Diesel Clear Water Pump



● SP205D



SP605DE-1 ●



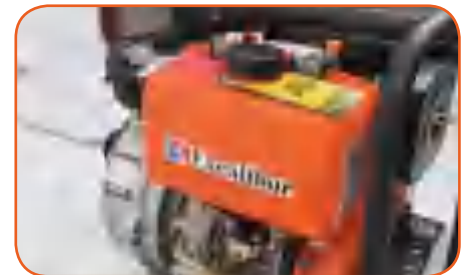
# Diesel Clear Water Pump

Model	SP205D(E)	SP205D(E)-1	SP305D(E)	SP305D(E)-1	SP405D(E)	SP405D(E)-1	SP605DE-1	SP805DE-1
Type	Self-priming centrifugal pump							
Suction*delivery (mm) (inch)	50*50/2*2		80*80/3*3		100*100/4*4		155*155/6*6	200*200 / 8*8
Total Head (m)	46		32		25		15	25
Suction Head (m)	8		8		8		8	5
Max delivery volume (m <sup>3</sup> /h)	36		60		80		200	242
Mechanical seal	Ceramic Carbon							
Engine model	S173F(E)		S178F(E)		S186FA(E)		S192F(E)	SV292FE
Fuel tank capacity (L)	2.5	12.5	3.5	12.5	5.5	12.5	12.5	25
Starting system	Manual Start /electric start						electric start	Electric start
Packing size (L*W*H) mm	520*420*380	535*465*615	570*465*560	590*465*660	690*535*560	690*510*720	785*600*790	1045*715*980
Net weight (KG)	32	38	45	50	64	70	130	180



● SHP20D

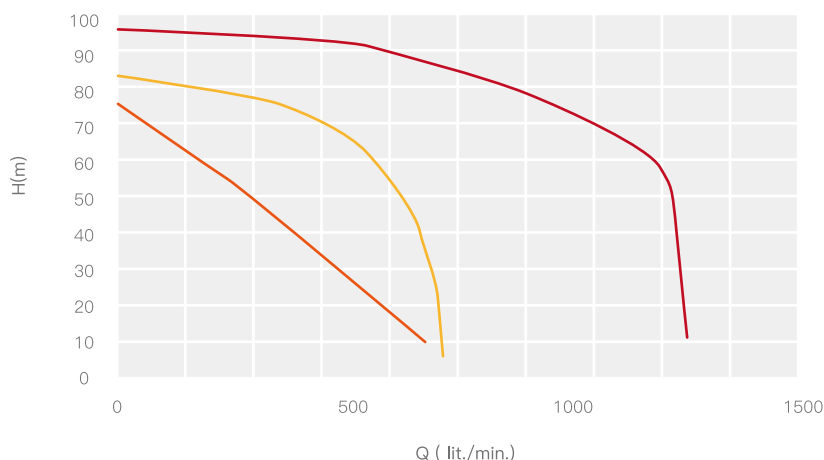
The high pressure water pump is designed to push water long-distance or great high, making it ideal for sprinkler systems, remote area firefighting and washing down equipment.



## High Pressure Water Pump

Model	GASOLINE TYPE			DIESEL TYPE		
	SHP-15B	SHP-20B	SHP-30B	SHP-15D	SHP-20D	SHP-30D
Type	Self-priming centrifugal pump					
Suction (inch)	1*1.5	1*2	1*3	1*1.5	1*2	1*3
Delivery (inch)	1*1.5 inch+2*1 inch	1*2inch+2*1.5 inch	1*3 inch	1*1.5 inch+2*1 inch	1*2inch+2*1.5 inch	1*3 inch
Total Head (m)	55	65	80	55	65	80
Suction Head (m)	7	7	7	7	7	7
Max delivery volume (m <sup>3</sup> /h)	20	30	40	20	30	40
Mechanical seal	Ceramiccarbon					
Engine model	S200F 6.5hp		S390F 13hp	S173F(E)	S178F(E)	S186FA(E)
Fuel tank capacity (L)	3.6	3.6	6.5	2.5	3.5	5.5
Starting system	Manual start			Manual start Or electric start		
Packing size (L*W*H) mm	535*490*465	510*380*450	620*535*545	520*420*380	570*465*560	690*535*560
Net weight (kg)	30	28	50	32	45	64

# High Pressure Water Pump



- SHP50DEI
- SHP80DEI
- SHP100DEI

SHP80DEI

## High Pressure Cast Iron Water Pump

Model	Diesel Type			Gasoline Type			Two Cylinders Diesel Type	
	SHP50DEI	SHP80DEI	SHP100DEI	SHP50BI	SHP80BI	SHP100BI	SHP80DEI	SHP100DEI
Type	Self-priming centrifugal pump						Self-priming centrifugal pump	
Suction*delivery (mm) (inch)	50*50/2*2	80*80/3*3	100*100/4*4	50*50/2*2	80*80/3*3	100*100/4*4	80*80	100*100
Total Head (m)	85	75	55	85	75	55	95	85
Suction Head (m)	6	6	6	6	6	6	6	6
Max delivery volume (m <sup>3</sup> /h)	35	42	120	35	42	120	101	120
Mechanical seal	Ceramic Carbon						Ceramiccarbon	
Engine model	S178F(E)	S186FA(E)	S192F(E)	S210F	S210F	S420F	SV292FE	
Fuel tank capacity (L)	3.5	5.5	5.5	3.6	3.6	6.5	12.5	
Starting system	Manual Start /electric start						Electric start	
Packing size (L*W*H) mm	580*490*570	580*490*630	585*490*635	470*380*450	510*38*450	620*535*545		
Net weight (KG)	50	68	75	35	42	55		

### OPTIONAL CONFIGURATION



Bottom valve



Quick Connector



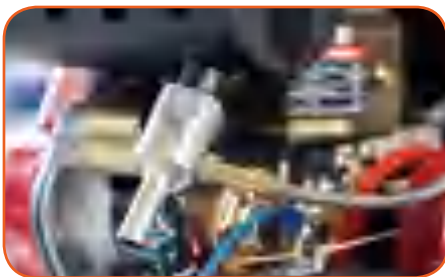
PIPE connector



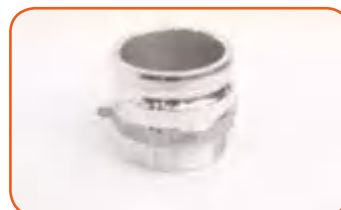
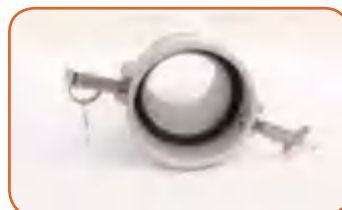
● SHP25D(E)i

## High Pressure Cast Iron Self Priming Diesel Water Pump

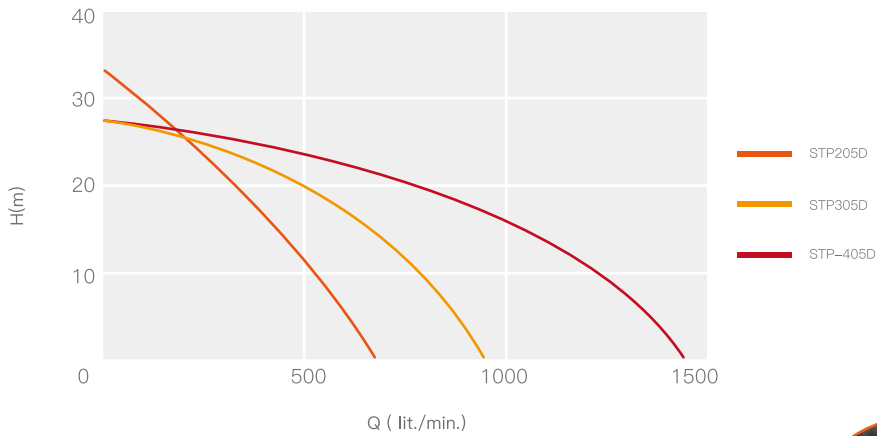
	Model	SHP25D(E)-I	SHP30D(E)-I
Pump	Suction*delivery (mm) (inch)	65*65 / 2.5*2.5	80*80/3*3
	Total Head (m)	80	83
	Max. suction head (m)	8	8
	Max capacity (m <sup>3</sup> /h)	40	48
	Self-priming time (s/4m)	15	15
Engine	Model	S188F(E)	S192F(E)
	Bore*stroke (mm)	88*75	92*75
	Max output kW (hp)	8.2 (11)	9 (13)
	Engine Type	Single cylinder, 4-stroke , air-cooled, vertical , diesel engine	
	Starting System	Manual/ Electric start	
Pump Set	Fuel tank (L)	3.5	5.5
	N.W /G.W (kg)	72/79	77/84
	Packing Size L*W*H (mm)	620x520x580	620x520x580



## FITTINGS OF A MACHINE



# Water Pump



SWP205D ●

THE TRASH WATER PUMP IS ESPECIALLY SUITABLE FOR HEAVY-DUTY APPLICATIONS LIKE CONSTRUCTION SITES, SWIMMING POOL, WATER WAGONS, FLOOD CONTROL AND MANHOLE DEWATERING.

## Semi-Trash Water Pump

Model	GASOLINE TYPE			DIESEL TYPE		
	STP205B	STP305B	STP405B	STP205D	STP305D	STP405D
Suction*delivery (mm) inch	2" / 50	3" / 75	4" / 100	2" / 50	3" / 75	4" / 100
Total Head (m)	46	32	28	46	32	28
Suction Head (m)	8	8	8	8	8	8
Max delivery volume (m <sup>3</sup> /h)	36	60	80	36	60	80
Mechanical seal	Ceramic Carbon					
Engine model	S200	S200	S390	S173F	S178F	S186FA
Fuel tank capacity (L)	3.5	6.5	6.5	2.5	3.5	5.5
Starting system	Manual Start or Electric start					
Packing size (mm)	485*385*380	510*385*425	635*455*545	520*420*380	590*500*535	690*535*560
Net weight (kg)	26	28	47	32	46	64



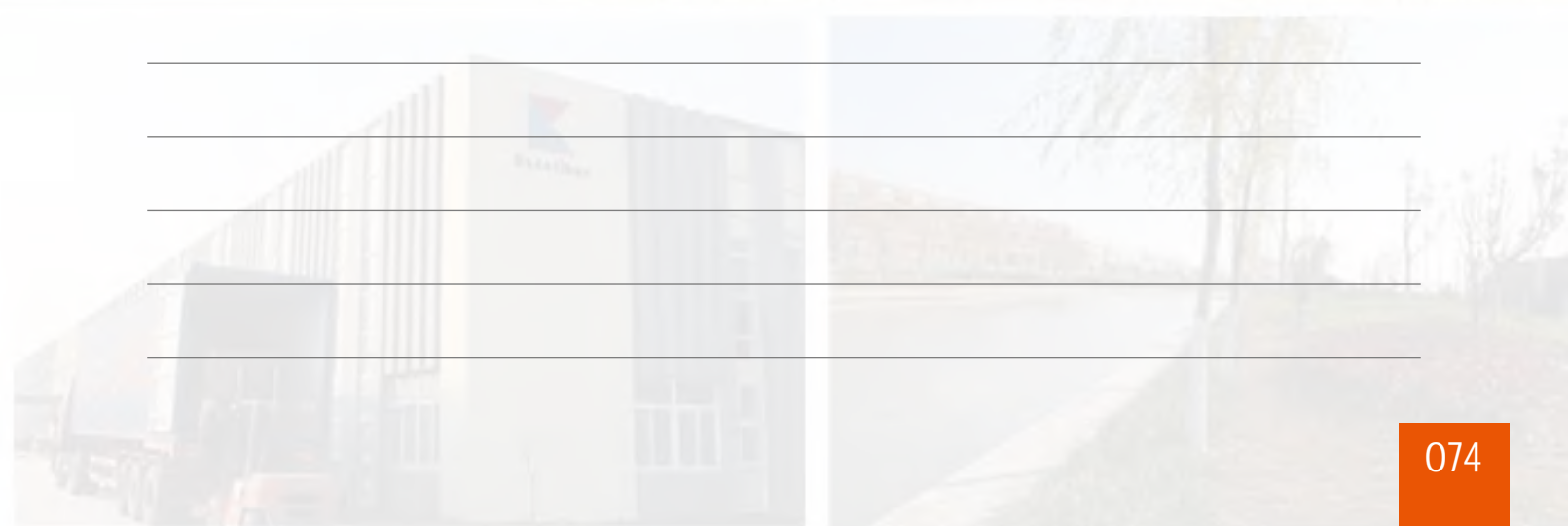
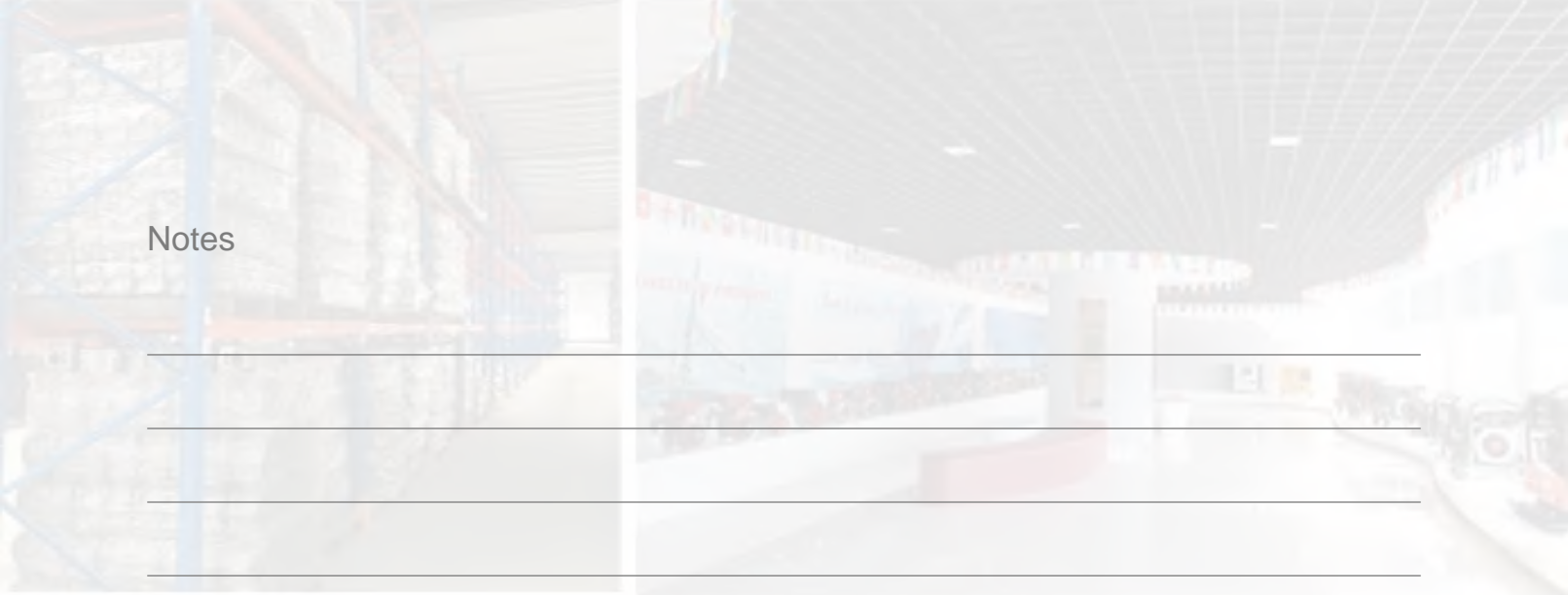
● SP50DC



## Chemical Water Pump

Model		SP50DC	SP80DC
Pump	Suction*delivery (mm)/ (inch)	50*50/ 2*2	80*80/ 3*3
	Rated Head (m)	36	26
	Max. suction head (m)	8	8
	Max Delivery Volume (m <sup>3</sup> /h)	36	65
Engine	Model	S173F(E)	S178F(E)
	Engine Power	6HP	7HP
	Engine Type	Single cylinder, 4-stroke, air-cooled, vertical, diesel engine	
	Starting System	Manual/ Electric start	
	Fuel tank (L)	2.5	3.5
Pump Set	Continuous running time (h)	2	2.5
	N.W /G.W (kg)	34 / 37	50 / 53
	Packing Size L*W*H (mm)	570*420*530	610*460*560

Notes





Compaction job is almost always required at a building site or construction project. Excalibur manufactures a variety of compaction equipment, such as plate compactor, tamping rammer, road roller, etc., to help get the job done easily.

Concrete equipment, such as concrete cutter, concrete vibrator, concrete mixer (also known as cement mixer), surface finishing screed, power trowel, etc. are also required in large contractor projects.

Choosing a right tool will help save labor, time and energy by more than half.





078 Plate Compactor

091 Concrete Vibrator

082 Tamping Rammer

093 Cement Mixer

084 Power Trowel

095 Surface Finishing Screed

088 Concrete Cutter

097 Road Roller

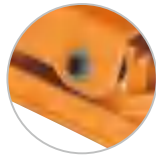
090 Scarifying Machine



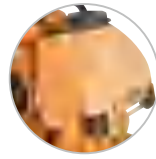
# Plate Compactor



Fordable handle with anti-vibration design



High Strength Steel, bottom plate with curved edges



Water Tank as optional device for asphalt use



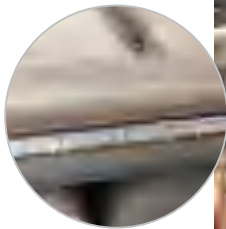
Built-in Easy Trasport Wheels

## Features:

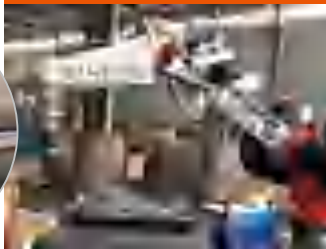
- ◆ The Plate Compactor is made of high strength steel, the bottom plate with curved edges guarantees the stable operation
- ◆ Hardened and enclosed pulley cover design protects the clutch and belt
- ◆ The strong protecting framework not only prevents the engine frame from impact, but also makes easier carry
- ◆ The foldable handle with unique design saves more storage space. The humanization design of the shock pad dramatically reduces the vibration of the handle, which increases the comfort of operation

## Optional Device:

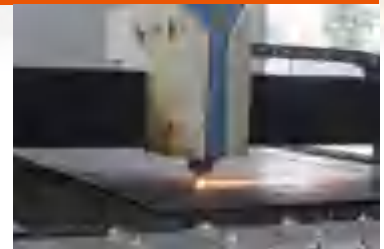
- ◆ The optional all-in-one moving wheels makes the plate compactor easier transport.
- ◆ Can be fitted with the water tank for the asphalt woking area
- ◆ Can be fitted with polyurethane rubber pad for brick paving



## Welding Robot



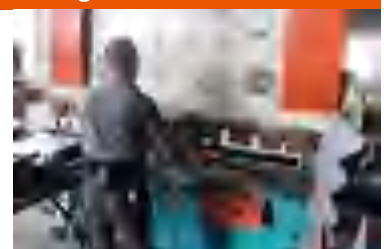
## Laser Cutting



## Bar Bending



## Sheet Cutting



# Plate Compactor

Model	SC-50
Plate size L*W (mm)	515*300
travel speed (m/min)	15-20
Limited grade ability	20
Vibration Frequency vpm(Hz)	5600
Centrifugal force (KN)	10
Engine model Option	Lifan 154F
Starting system	Recoil starter
Packing size (L*W*H) mm	740*360*550
Net weight (KG)	51



SC-50

Model	SC-60
Plate size L*W (mm)	560*370
travel speed (m/min)	20-25
Limited grade ability	20
Vibration Frequency vpm(Hz)	5600(90)
Centrifugal force (KN)	10
Engine model Option	Honda GX160/ Robin EY20/ Lifan 168F Diesel engine S173F/ Electric motor 2.2kw
Starting system	Recoil starter
Packing size (L*W*H) mm	870*420*650
Net weight (KG)	69



SC-60



SC-77

Model	SC-77
Plate size L*W (mm)	560*370
travel speed (m/min)	15-20
Limited grade ability	20
Vibration Frequency vpm(Hz)	5600
Centrifugal force (KN)	10.5
Engine model Option	Honda GX160/ Robin EY20/ Lifan 168F Diesel engine S173F/ Electric motor 2.2kw
Starting system	Recoil starter
Packing size (L*W*H) mm	850*530*670
Net weight (KG)	75



SC-77W

Model	SC-77W
Plate size L*W (mm)	560*475
travel speed (m/min)	15-20
Limited grade ability	20
Vibration Frequency vpm(Hz)	5600
Centrifugal force (KN)	13.5
Engine model Option	Honda GX160/ Robin EY20/ Lifan 168F Diesel engine S173F/ Electric motor 2.2kw
Starting system	Recoil starter
Packing size (L*W*H) mm	880*510*640
Net weight (KG)	80

# Plate Compactor



Model	SC-90
Plate size L*W (mm)	560*450
travel speed (m/min)	15-20
Limited grade ability	20
Vibration Frequency vpm(Hz)	5600
Centrifugal force (KN)	13
Engine model Option	Honda GX160/ Robin EY20/ Lifan 168F Diesel engine S173F/ Electric motor 2.2kw
Starting system	Recoil starter
Packing size (L*W*H) mm	580*470*650
Net weight (KG)	80

Model	SC-100
Plate size L*W (mm)	700*450
travel speed (m/min)	15-20
Limited grade ability	20
Vibration Frequency vpm(Hz)	5600
Centrifugal force (KN)	20
Engine model Option	Honda GX160/ Robin EY20/ Lifan 168F Diesel engine S173F/ Electric motor 2.2kw
Starting system	Recoil starter
Packing size (L*W*H) mm	700*480*580
Net weight (KG)	97

Model	SC-120
Plate size L*W (mm)	635*480
travel speed (m/min)	15-20
Limited grade ability	20
Vibration Frequency vpm(Hz)	5600
Centrifugal force (KN)	20
Engine model Option	Honda GX160/ Robin EY20/ Lifan 168F Diesel engine S173F/ Electric motor 2.2kw
Starting system	Recoil starter
Packing size (L*W*H) mm	650*510*665
Net weight (KG)	90

Model	SC-140
Plate size L*W (mm)	620*500
travel speed (m/min)	15-20
Limited grade ability	20
Vibration Frequency vpm(Hz)	5600
Centrifugal force (KN)	30
Engine model Option	Honda GX160/ Robin EY20/ Lifan 168F Diesel engine S173F/ Electric motor 2.2kw
Starting system	Recoil starter
Packing size (L*W*H) mm	670*500*800
Net weight (KG)	110

Water Tank



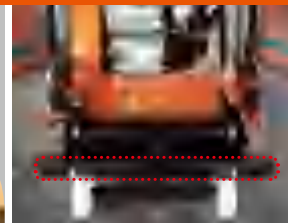
Wheels



Engine Protecting Frame



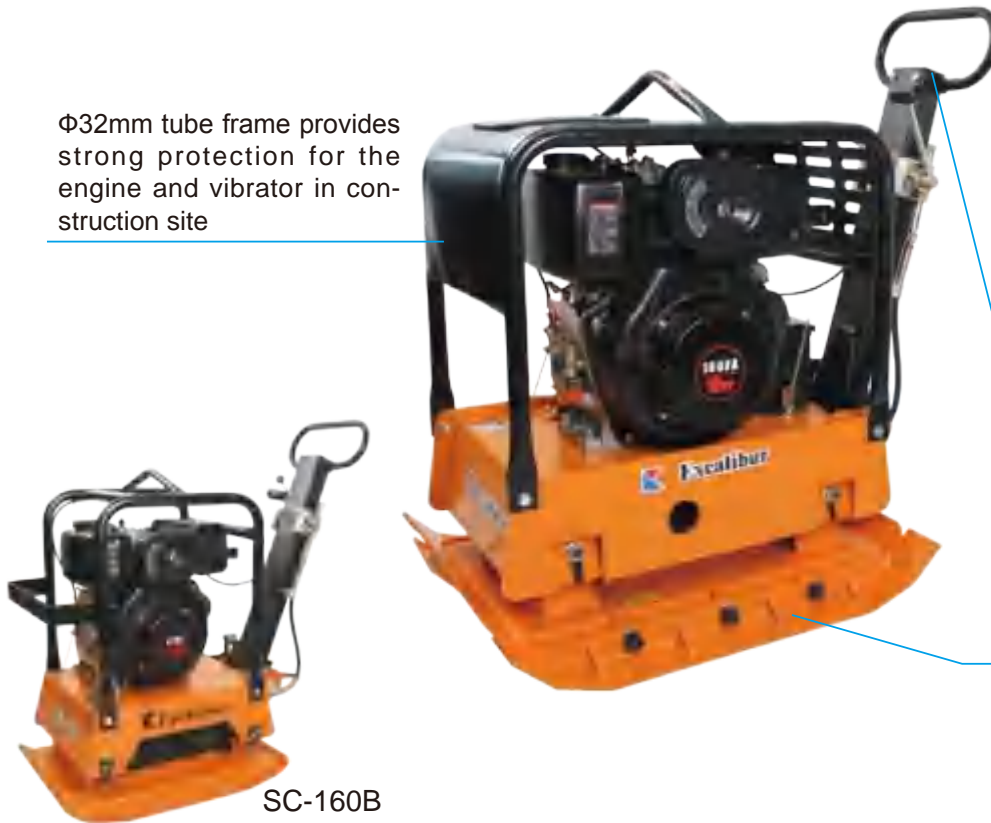
Rubber Mat



Φ32mm tube frame provides strong protection for the engine and vibrator in construction site

Fordable handle with anti-vibration design, easy gear shifting because of rack and gear structure adopted

Rubber Mat availalbe and optional extension plates can be mounted



SC-160B

### Features:

- ◆ The bearings are C&U brand,high precision, high reliable roller bearing
- ◆ We use rack and gear structure for gear shifting, ensuring easy operation
- ◆ The imported rubber is used for the anti-vibration system,which guarantees the damping effect
- ◆ Rubber Mat availalbe and optional extension plates can be mounted for high efficiency compaction result

### Optional Device:

- ◆ The optional all-in-one moving wheels makes the plate compactor easier transport.
- ◆ Can be fitted with the water tank for the asphalt woking area
- ◆ Can be fitted with polyurethane rubber pad for brick paving

Model	SC-160B
Plate size L*W (mm)	702*497
travel speed (m/min)	20-25
Limited grade ability	20
Vibration Frequency vpm(Hz)	3840
Centrifugal force (KN)	35
Engine model Option	Honda GX200/ GX270/ Robin EY28D/ Lifan 168F/177F S178F/ Electric motor 3kw
Starting system	Manual / Electric start
Packing size (L*W*H) mm	700*500*900
Net weight (KG)	160

Model	SC-330B
Plate size L*W (mm)	880*650
travel speed (m/min)	20-25
Limited grade ability	20
Vibration Frequency vpm(Hz)	3600
Centrifugal force (KN)	50
Engine model Option	Honda GX390/ Lifan 420F Diesel engine S186FA/ Electric motor 3kw
Starting system	Manual / Electric start
Packing size (L*W*H) mm	1030*535*1010
Net weight (KG)	305

# Tamping Rammer

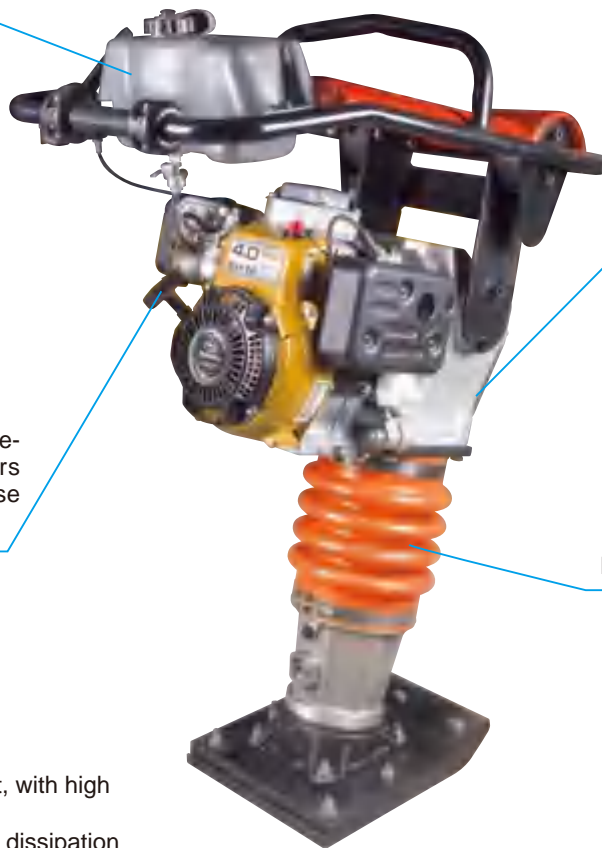


Throttle Lever ensures smooth operation

4-stroke gasoline engine specially designed for rammers with easy starting, low noise operation

Adopted by cast aluminum case, easy for heat dissipation

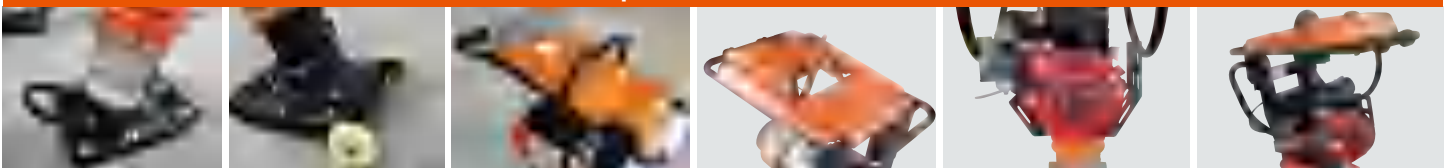
Polyurethane ribbed rammer bellow ensures longer life



## Features:

- ◆ The whole rammer is light in weight, with high impact force
- ◆ The design enables it easy for heat dissipation
- ◆ We use C&U bearings, and the key components of the rammers are of alloy steel material and heat treatment, making it longer life, and resistance for abrasion
- ◆ The rammers are tested by 500hours durable experiment to ensure their reliability

## Optional Choice



Bottom Plate Handle

Rammer Wheels

Rammer Protecting Cover Type A

Rammer Protecting Cover Type B

Engine Protecting Frame A

Engine Guard Frame B



5HP Excalibur diesel engine 173F



Excalibur Robin engine EY20



Subaru Robin EH12-2D



Honda GXR120



6.5HP LONCIN Gasoline Engine G200F



2.2KW Electric motor



Model	SR80		
Bottom plate size(mm)	300*280	300*280	300*280
Impact Frequency t/min	600-700	600-700	600-700
Jump Stroke	40-65	40-65	40-65
Impact force(KN)	12	12	12
Fuel tank capacity	2.8	2.8	2.8
Starting System	Recoil starter	Recoil starter	Recoil starter
Packing Size(L*W*H)mm	775X550X1120	775X550X1120	775X540X1120
Net weight(KG)	80	80	80
Engine Model	Honda GX160(5.5HP)	Excalibur S20(5HP)	Loncin G200F(6.5HP)



# Tamping Rammer



5HP Excalibur diesel engine 173F



Excalibur Robin engine EY20



Honda GXR120



6.5HP LONCIN Gasoline Engine G200F



5.5HP Honda Gasoline Engine GX160



2.2kW electric motor

Model	SR75				
Bottom plate size(mm)	300*280	300*280	300*280	300*280	300*280
Impact Frequency t/min	640-680	640-680	600-700	600-700	600-700
Jump Stroke	55-85	55-85	40-65	40-65	40-65
Impact force(KN)	12	12	12	12	12
Fuel tank capacity	2.8	2.8	2.8	2.8	2.8
Starting System	Recoil starter	Recoil starter	Recoil starter	Recoil starter	Recoil starter
Packing Size(L*W*H)mm	760*540*1120	760*540*1120	760*540*1120	760*540*1120	760*540*1120
Net weight(KG)	75	75	80	80	80
Engine Model	Robin EH12-2D(4HP)	Loncin 149cc(4HP)	Honda GX100(3HP) GXR120(4HP)	Electric Motor 2.2kW	Diesel Engine S173F(5HP)





Height adjustable handle assures comfort control

Ingenius designed handle for easy accessible for the operator from the driving position

Easy lifting hook

Cast aluminum gearbox

Guard ring with safety design



### Features:

- ◆ Height adjustable handle assures comfort control
- ◆ Ingenius designed handle for easy accessible for the operator from the driving position
- ◆ Cast aluminum gearbox makes the lifetime longer
- ◆ Guard ring with safety design with two optional types, and can also be customized

### Optional Choice:

- ◆ Guard Ring Type
- ◆ Trolley Wheel
- ◆ Emergency Stop Switch



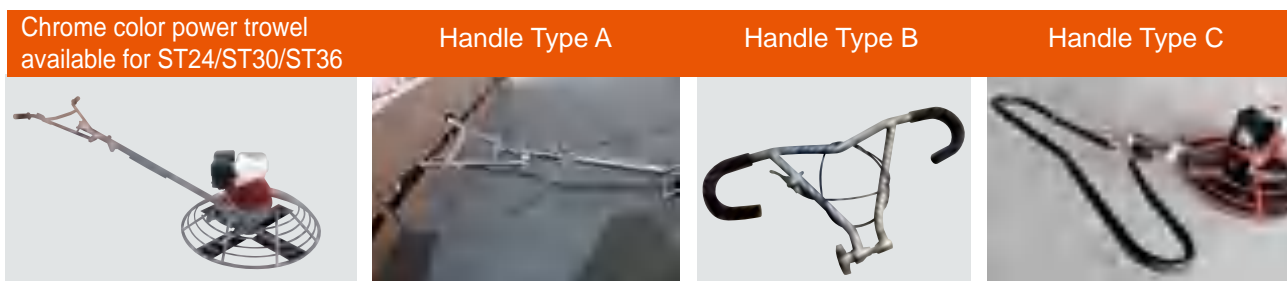
# Power Trowel



Model	ST-24	ST-30	ST-36	ST-48
Trowel diameter (mm)	600	800	1000	1200
Number of blades	4	4	4	4
Driving Speed(rpm)	50-100	50-100	50-130	70-145
Blade Dimension (mm)	220*130	265*150	350X150	405X150
Packing size (L*W*H) mm	600*600*660	1000*1000*660	1000*1000*660	1200X1200X880
Net weight (KG)	60	75	75	80
Engine model	ROBIN EY20 HONDA GX160 LIFAN 200F ELECTRIC MOTOR	ROBIN EY20 HONDA GX160 LIFAN 200F ELECTRIC MOTOR	ROBIN EY20 HONDA GX160 LIFAN 200F ELECTRIC MOTOR	HONDA GX270 LIFAN G270F ELECTRIC MOTOR

## Option:

- ◆ Chrome Power Trowel available, all color can be customized
- ◆ Handle Type A,B,C for choice
- ◆ Electric Motor as power source





Model	VS830
Dimension (mm)	1600*850*1080
Total Weight	280Kg
Blade Speed	150 rpm/min
Engine	B & S XR2100
Working diameter	1600mm
Fuel tank volume	8L
Control mode	Mechanical drive



Model	VS836
Dimension (mm)	2000(L)x1000(W)x1350(H)
Total Weight	360Kg
Blade Speed (max.)	150rpm ± 10rpm (when engine is 3600rpm)
Engine	HONDA GX690
Fuel type	High than 90# gasoline
engine lubricating oil	SAE30
Reduction box oil	Vanse special synthetic oil
Water tank & Fuel tank	20L
Control mode	Mechanical drive



TYPE	VS1046
MOTOR TYPE	BRIGGS & STRATTON
POWER	34HP
START MODE	ELECTRIC START
FUEL TYPE	HIGHER THAN 90# GASOLINE
FUEL TANK	40L
WANTER TANK	40L
DRIVE MODE	MECHANICAL DRIVE
WORKING DIAMETER	120CM*2
WORKING SPEED	140-170RPM
BLADE QUANTITY	5*2
BLADE MATERIAL	65Mn
BLADE SIZE	450MM(L)X200MM(W)
OUTLINE DIMENTION	2.54M*1.30M*1.52M
PACKING SIZE	2.65M*1.4,*1.6M
NETWEIGHT	480KGS
PACKING WEIGHT	550KGS



TYPE	VS1046H
MOTOR TYPE	BRIGGS & STRATTON
POWER	25.4KW
STARTMODE	ELECTRIC START
FUEL TYPE	HIGHER THAN 90# GASOLINE
FUEL TANK	25L
WANTER TANK	25L
DRIVE MODE	HYDRAULIC DRIVE
WORKING DIAMETER	120CM*2
WORKING SPEED	150RPM MAX
BLADE QUANTITY	5*2
BLADE MATERIAL	65Mn
BLADE SIZE	450MM(L)X200MM(W)
OUTLINE DIMENTION	2.54M*1.30M*1.52M
PACKING SIZE	2.65M*1.4,*1.6M
NETWEIGHT	580KGS
PACKING WEIGHT	680KGS

# Concrete Cutter



Rotating handle adjusts cutting depth, ensures 17cm max cutting depth

13HP Honda GX390 engine is powerful and reliable

Spanners make installation work easier

350mm~500mm diameter blade can be accepted

40L water tank supplies water to cool both sides of the blade

3600rpm blade speed efficiently cuts concrete and asphalt



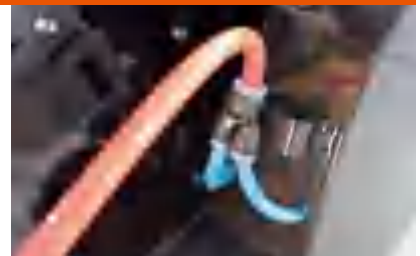
## Features:

- ◆ The concrete cutter is well designed in structure for easy maintenance
- ◆ C&U bearings are adopted, and the key components are of alloy steel material and heat treatment, which prolongs the lifetime, making it anti-abrasion
- ◆ OEM design available, the water tank can be changed to plastic type
- ◆ Self propelling type available as an option choice
- ◆ High Intensity belt for stable cutting performance

Cutting depth can be adjusted by crank raising and lowering

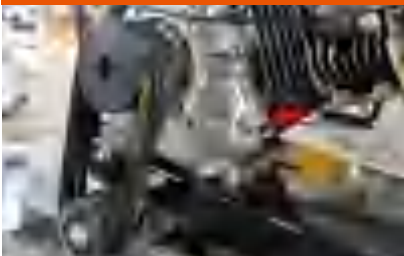


Two water pipes



High Intensity belt for stable cutting performance

Optional: Timer Meter equipped for usage time





SCT-1

Model	SCT-1
Max cutting depth (cm)	9
Blade speed rpm	3600
Blade size cm (in)	30-35(12-14)
Depth adjustment	Handle rotation
Driving	Manual push
Water tank capacity	14L
Starting system	Recoil starter
Packing size (L*W*H) mm	910*480*810
Net weight (KG)	62
Engine model	Robin EY20 Gasoline Engine(5HP) Loncin G200F Gasoline Engine(6.5HP)



SCT-2

Model	SCT-2
Max cutting depth (cm)	17
Blade speed rpm	3600
Blade size cm (in)	40-50(16-20)
Depth adjustment	Handle rotation
Driving	Manual push
Water tank capacity	40L
Starting system	Manual / Electric start
Packing size (L*W*H) mm	1000*630*1050
Net weight (KG)	130
Engine model	Robin EY28D Gasoline Engine(8HP) Honda Engine GX390(13HP) Diesel Engine S186FAE(10HP)



SCT-3



Removable water tank

Model	SCT-3
Max cutting depth (cm)	17
Blade speed rpm	3600
Blade size cm (in)	40-50(16-20)
Depth adjustment	Handle rotation
Driving	Manual push
Water tank capacity	40L
Starting system	Manual / Electric start
Packing size (L*W*H) mm	1000*630*1050
Net weight (KG)	140
Engine model	Robin EY28D Gasoline Engine(8HP) Honda Engine GX390(13HP) Diesel Engine S186FAE(10HP)

# Concrete Cutter

Model	SCT-4
Max cutting depth (cm)	17
Blade speed rpm	3600
Blade size cm (in)	40-50(16-20)
Depth adjustment	Handle rotation
Driving	Manual push
Water tank capacity	40L
Starting system	Manual / Electric start
Packing size (L*W*H) mm	1250*540*1050
Net weight (KG)	160
Engine model	Robin EY28D Gasoline Engine(8HP) Honda Engine GX390(13HP) Diesel Engine S186FAE(10HP)



SCT-4



SCT-5

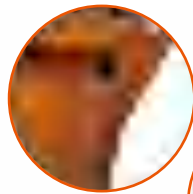
Model	SCT-5
Max cutting depth(cm)	17
Blade size cm (in)	40-50(16-20)
Depth adjustment	Handle rotation
Driving	Manual push
Water tank capacity	40L
Starting system	Recoil starter/ Electric starter
Net weight(kg)	150
Packing size (L*W*H) mm	1800*550*1050
Engine model	Diesel 186FA (10HP) Gasoline GX390(13HP)

Model	SCT-6
Max cutting depth(cm)	17
Blade size cm (in)	60(24)
Depth adjustment	Handle rotation
Driving	Manual push
Water tank capacity	40L
Starting system	Electric starter
Net weight(kg)	170
Packing size (L*W*H) mm	1800*550*1050
Engine model	V-twin Diesel Engine S292FE



SCT-6

# Scarifying Machine



The main structure is made of 10 mm steel plate which is finished by laser-cut



Bearings are made by C&U, top bearing supplier in China, with longer service life



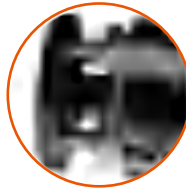
All the screws for key places are with Grade 10.9



The front wheel design and the pressure spring design above back wheels make the machine work more steadily



Cutting depth adjustment



The blade shaft is processed by thermal refining, to increase the hardness

The machine is a special multi-functional light pavement construction machinery, which is suitable for the concrete&asphalt ground. It can be used for renovation and reinforcement of bridge, repaving of old concrete pavement, local trimming of municipal road, working on high-speed rail and clearing traffic marking.

Model	SCF200	SCF250
Motor	Gasoline engine 6.5HP Diesel engine 7HP Electric motor	Gasoline engine 7-13HP Diesel engine 7-10HP Electric motor
Working Width	200MM	250MM
Net weight	60	70

Cage Assembly (A) for Concrete surfaces



Cage Assembly (B) for Asphalt surfaces



# Concrete Vibrator



Model	SV
Engine Model	Robin engine EY20 (5HP)
	Honda engine GX160 (5.5HP)
	Diesel Engine S173F (6HP)
Coupling Type	Pin Type
	Malaysia Type
	Turkish Type
Fuel tank capacity (L)	3.8L
Starting system	Recoil Starter
Packing size(mm)	515*380*515mm
Net weight (KG)	22

## Engine Options



## Frame Options



## Coupling Type Options






## Vibrator Hose Options



Shaft Head Size	28mm	32mm	38mm	45mm	50mm	60mm
Shaft Length Options (m)	4M/ 6M/ 8M					
Vibration Head (mm)	28*470	32*470	38*470	45*470	50*470	60*470
Vibration/min	9800-12000					
Shaft roate speed	3000-3600					
Amplitude (m/min)	0.8	0.9	1.2	1.3	1.6	2
Weight of hose	14	16	18	19	20	21
Packing size of hose (mm)	870*660*80					



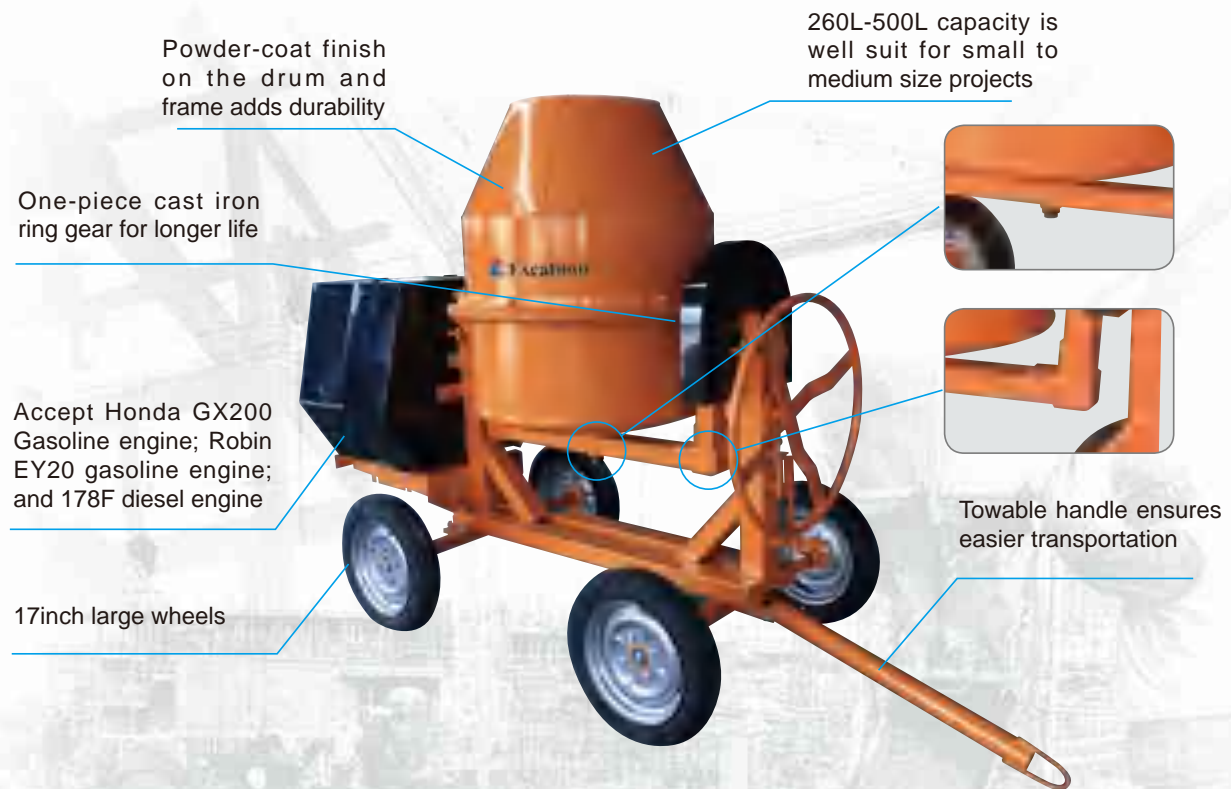
Model	Voltage	Power	Motor
 SZNA-1	220V	800W	Stator and rotor height: 35mm
	220V	900W	Stator and rotor height: 40mm
	220V	1000W	Stator and rotor height: 45mm
	220V	1200W	Stator and rotor height: 50mm
 SZNA-2	220V	800W	Stator and rotor height: 35mm
	220V	900W	Stator and rotor height: 40mm
	220V	1000W	Stator and rotor height: 45mm
	220V	1200W	Stator and rotor height: 50mm
 SZNA-3	220V	800W	Stator and rotor height: 35mm, Aluminum case
	220V	900W	Stator and rotor height: 35mm, Aluminum case
	220V	1000W	Stator and rotor height: 45mm, Aluminum case
	220V	1200W	Stator and rotor height: 50mm, Aluminum case



### Vibrator Hose Options

Shaft Head Size	25mm	25mm	35mm	35mm	35mm	35mm
Shaft Length Options (m)	1M	2M	1M	1.5M	2M	3M
Packing Method	5pcs/ctn	5pcs/ctn	5pcs/ctn	5pcs/ctn	5pcs/ctn	1pc/ctn

# Cement Mixer



More quantity can be loaded if separating the mixer into spare parts.



Model	SM260/SM350			SM400/SM450			SM500
Engine model	S178F	GX200	Electric Motor	S178F	GX200	Electric Motor	S186FA
Rated output KW (HP)	4.9 (6.6)	4.9(6.5)	2.2(3)	4.9 (6.6)	4.9(6.5)	2.2(3)	7.3(9.9)500
Drum Volume (L)	260/350			400/450			500
Productivity (m <sup>3</sup> /h)	6-10/10-14			14-18/16-20			18-22
No. of wheels	2/4			2/4			2/4
Speed of Mixing Drum (r/min)	30			30			30
Starting system	Manual/Electric start						
Driving	Manual push			Manual push			Manual push
Packing size (L*W*H) mm	1950*880*1125			1950*880*1225			1950*880*1225
Net weight (KG)	280/330			350/370			390

# Cement Mixer



6.5HP Gasoline Engine (optional)



## Classic Type

Model	SM80	SM100	SM120	SM130	SM140	SM160	SM180	SM200
Drum Volume (L)	80	100	120	130	140	160	180	200
Drum Speed (r/min)	33	33	33	30	30	28	28	28
Voltage(V)	110, 230, 380							
Motor Power(W)	550	550	550	550	550	650	850	850
Motor Speed(r/min)	2800	2800	2800	2800	2800	2800	2800	2800
Shape Size(mm)	1048*735*1202	1048*735*1227	1048*735*1266	1102*735*1249	1102*735*1284	1145*735*1342	1145*735*1367	1145*735*1396
Packing Size(mm)	740*580*330	740*580*380	740*580*430	790*640*380	790*640*440	830*680*430	830*680*440	830*680*470
Net Weight(kg)	41	42	43	47	48	53	55	57



## Barrow Type

SMT125  
SMT140  
SMT160  
SMT180



## Rack Type

Model	SMT100	SMT125	SMT140	SMT160	SMT180
Drum Volume (L)	100	125	140	160	180
Drum Speed (r/min)	26.6	30	30	30	30
Voltage(V)	110, 230, 380				
Motor Power(W)	370	550	550	650	850
Motor Speed(r/min)	2800	2800	2800	2800	2800
Shape Size(mm)	1280*620*880		1280*620*910		
Packing Size(mm)	740*580*380	760*640*380	760*640*430	800*680*430	800*680*440
Net Weight(kg)	42	46	49	51	53

# Surface Finishing Screed



- ① Non-slip rubber handle
- ② Stainless steel handrail
- ③ Handle length can be flexible adjsut 1.2m-2m
- ④ 360° rotation of the handle
- ⑤ Scraper made of stanless steel

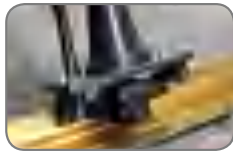
BLADE LENGTH	BLADE MATERIAL	BLADE WIDTH	G.W
80CM	Stainless steel	10CM	2.6KGS



Throttle Controlling:  
manually control the  
vibrating pace



Gasoline S35 and GX35 en-  
gine for option



Throttle Controlling:  
manually control the  
vibrating pace



**SFS-1**

**Features:**

- ◆ High-performance screed is a reliable, durable choice for your concrete application
- ◆ Features a dependable 1.6 HP Honda GX35 4-cycle gas-powered engine and an aluminum alloy blade for durability
- ◆ Delivers 7,000 vibrations per minute
- ◆ Design allows for single-person operation
- ◆ Works with 8-, 10-, 12- and 14-ft. screed boards

Model	SFS-1
Engine	Air-cooled, 4-cycle
Engine Type	Honda GX35 or Chinese Engine
Power kW(HP)	1.2(1.6)
Net Weight kg(lb)	12.7(28.0)



Blade Size	m(ft)	1.2(4)	1.8(6)	2.4(8)	3.0(10)	3.7(12)	4.3(14)	4.9(16)
Net Weight	kg(lb)	2.9(6.4)	4.36(9.6)	5.81(12.8)	7.27(16)	8.72(19.2)	10.16(22.4)	11.61(25.6)

# Road Roller



Honda Engine



Excalibur Engine



Flat Gear Adjustment Mechanism



JAPAN FYH SEIKO BEARINGS



## Features:

- ◆ Authentic famous power, brand quality assurance, excellent performance more, start easy;
- ◆ Small operating radius, can work within a very narrow area;
- ◆ The use of domestic famous hydraulic pumps, motors, traveling around, easy to operate;
- ◆ Armrest the plane gear adjusting mechanism, flexible, adaptable without with height-person operation;
- ◆ Japan fyh seiko bearing transmission and japan mitsubishi(samsung) belt to ensure that the workperformance of the machine;
- ◆ Surface spray, beautiful appearance, rust corrosion resistance.

Model	SVR600H	SVR600D
Engine Brand	HONDA GX160	S173F
Engine Model	Gasoline & Single cylinder & Vertical & Four stroke & Overhead valves	Diesel & Single cylinder & Vertical & Four stroke & Air & Direct injection
Power	4.1kw	3.1kw
Rotating Speed	3600rpm	3600rpm
Fuel Capacity	3.6L	2.5L
Lubricating Oil	0.6L	0.75L
Start Up	Hand recoil / electric start	
Static Load	45n/cm	
Vibration Frequency	70hz	
Nominal Amplitude	0.6mm	
Exciting Force	15kn	
Walking Way	Two-way hydraulic chain drive	
Walking Speed	3.8km/h	
Theoretical Climbing Ability	30%	
Hydraulic Tank Capacity	15L	10L
Water Tank Capacity	22L	
Watering System	Gravity watering	
Wheel Size	Φ426*600mm	
Full Width	780mm	
Machine Length (Protective Frame Dumping)	1600mm	
Machine Height (Protective Stand Erect)	1060mm	
Package Size	1050*850*1200mm	
Weight	330kg	



DVR600H



DVR600D

### Features:

- ◆ Equipped with brand-name power, superior performance, easy to start;
- ◆ Operating radius is small, in an extremely narrow area operations;
- ◆ Use of domestic brand-name hydraulic pumps, motors, before and after working, easy to operate;
- ◆ Lengthened armrest, steering convenience;
- ◆ Transmission system adopts Japan FYH seiko bearing and Japan MITSUBOSHI (three stars) V-belt, to ensure the performance of the whole machine;
- ◆ Surface spray, beautiful appearance, rust and corrosion resistance.

Model	DVR600H	DVR600D
Engine Brand	HONDA GX270	S178
Engine Model	Gasoline & Single Cylinder & Vertical & Four Stroke & Overhead valves	Diesel & Single Cylinder & Vertical & Four Stroke & Air & Direct Injection
Power	6.7kw	4.4kw
Rotating Speed	3600rpm	3600rpm
Fuel Capacity	5.9L	3.5L
Lubricating Oil	1.1L	1.1L
Start Up	Hand recoil / electric start	
Static Load	45n/cm	
Vibration Frequency	70hz	
Nominal Amplitude	0.6mm	
Exciting Force	20kn	
Walking Way	Two-way hydraulic chain drive	
Walking Speed	0-3.8km/h	
Theoretical Climbing Ability	30%	
Hydraulic Tank Capacity	18L	
Water Tank Capacity	20L	20L
Watering System	Gravity watering	Gravity watering
Wheel Size	Φ426*600mm*2	
Full Width	780mm	
Machine Length (Protective Frame Dumping)	2480mm	
Machine Height (Protective Stand Erect)	1820mm	
Package Size	1600*850*1900mm	
Weight	540kg	540kg

# Road Roller



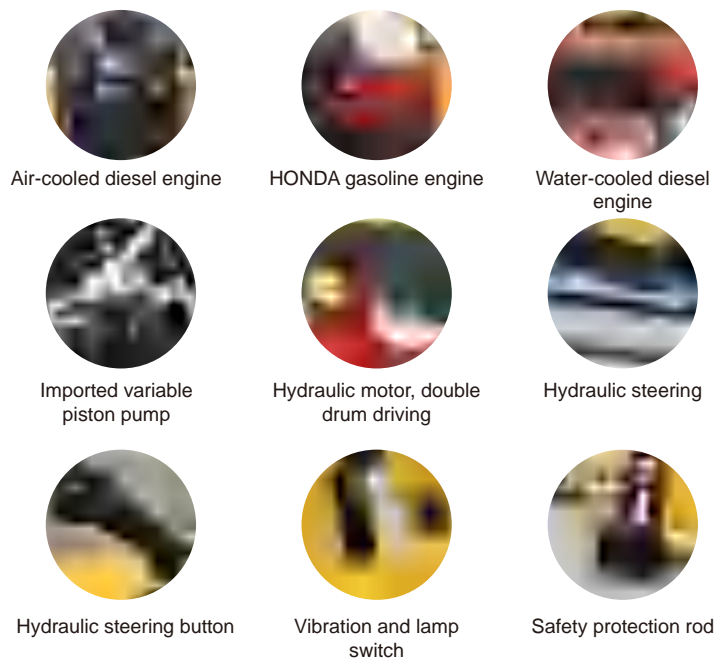
## Features:

- ◆ Equipped with brand-name power, superior performance, easy to start;
- ◆ Operating radius is small, in an extremely narrow area operations;
- ◆ Use of domestic brand-name hydraulic pumps, motors, before and after working, easy to operate;
- ◆ Lengthened armrest, steering convenience;
- ◆ Transmission system adopts Japan FYH seiko bearing and Japan MITSUBOSH(three stars) V-belt, to ensure the performance of the whole machine;
- ◆ Surface spray, beautiful appearance, rust and corrosion resistance.

Model	SVR700H	SVR700D
Engine Brand	HONDA GX390 / GX270	
Engine Model	Gasoline & Single cylinder & Vertical & Four stroke & Overhead valves	Diesel & Single cylinder & Vertical & Four stroke & Air & Direct injection
Power	9.7kw	4.4kw
Rotating Speed	3600rpm	3600rpm
Fuel Capacity	6.5L	3.5L
Lubricating Oil	1.1L	1.1L
Start Up	Hand recoil / electric start	
Static Load	45n/cm	
Vibration Frequency	70hz	
Nominal Amplitude	0.6mm	
Exciting Force	20kn	
Walking Way	Two-way hydraulic chain drive	
Walking Speed	4.5km/h	
Theoretical Climbing Ability	30%	
Hydraulic Tank Capacity	15L	15L
Water Tank Capacity	20L	
Watering System	Gravity watering	
Wheel Size	Φ530*700mm	
Full Width	880mm	
Machine Length (Protective Frame Dumping)	2150mm	
Machine Height (Protective Stand Erect)	1870mm	
Package Size	1200*920*1920mm	
Weight	550kg	



## Hydraulic Transmission



Model	SHR-800	SHR-800C
Walk Speed	0-4km/h	
Gradeability	30%	
Drive Type	Hydraulic Transmission	
Vibration Type	Electromagnetic Clutch	
Static Linear Load	75N/cm	
Nominal Amplitude	0.5mm	
Vibration Frequency	70Hz	
Exciting Force	20kN	
Water Tank	26L	
Hydraulic Oil Tank	20L	
Engine Model	Honda GX390	S186FA
Power	13.0HP	10.0HP
Steel Wheel Size	Ø350X636mmX2	
Package Size	1510X870X1920mm	
Working Weight	780kg	800kg
Starting Mode	Hand and Electric	

# Road Roller



Model	SHR-860	SHR-855
Walk Speed	0-5km/h	
Gradeability	30%	
Drive Type	Full Hydrostatic Drive	
Vibration Type	Electromagnetic Clutch	
Static Linear Load	55N/cm	
Nominal Amplitude	0.5mm	
Vibration Frequency	70Hz	
Exciting Force	20kN	
Water Tank	20L	15L
Hydraulic Oil Tank	19L	5L
Engine Model	S186FA	HONDA GX270 / S178F
Power	10.0HP	9.0HP / 7.0HP
Steel Wheel Size	Ø540X740mm Ø425X675mm	Ø560X700mm Ø425X500mm
Package Size	1720X860X1400mm	1900X1100X1300mm
Working Weight	800kg	700kg
Starting Mode	Hand and Electric	

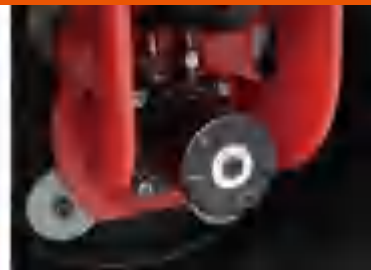
Air-cooled Diesel Engine



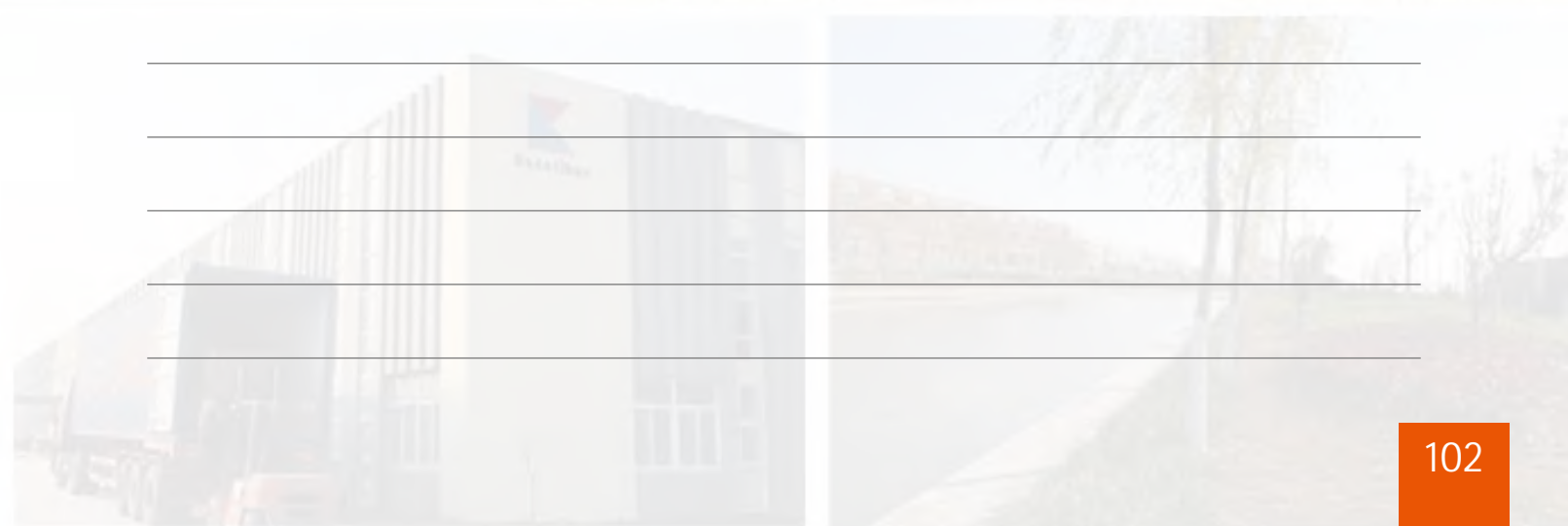
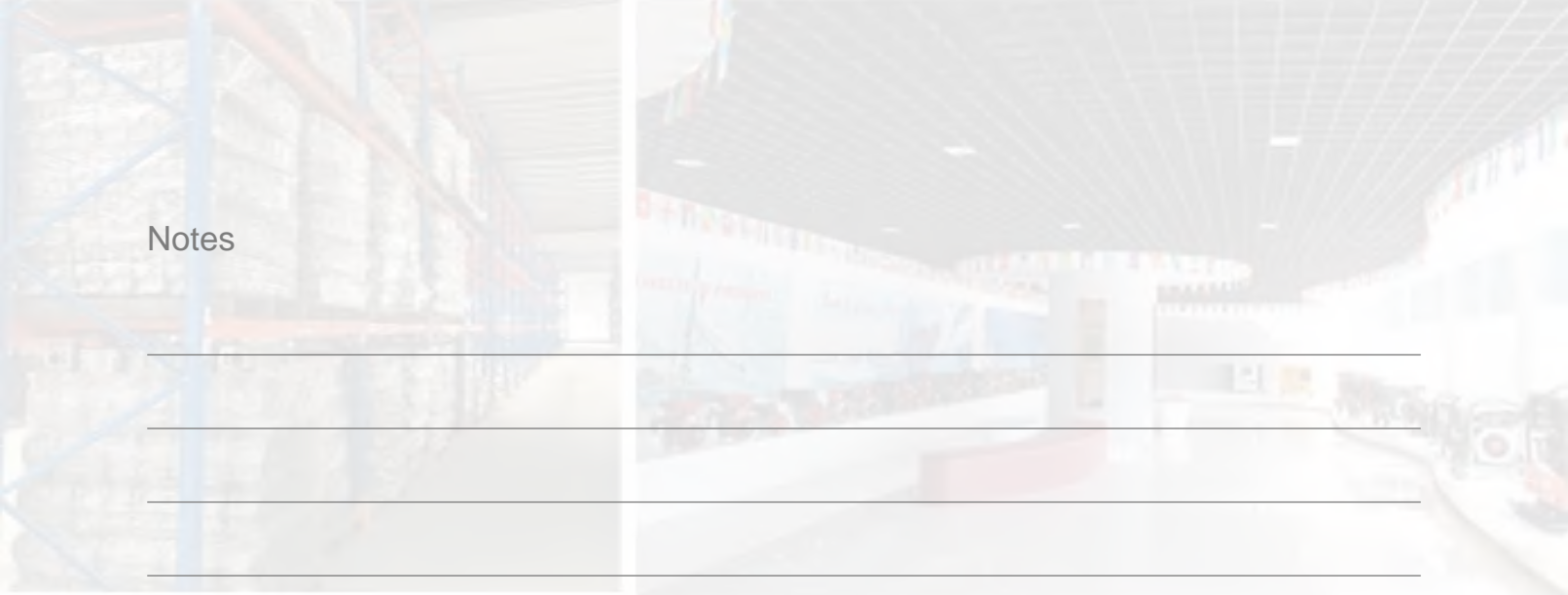
Imported Danfoss Pump, Variable Speed



Hydraulic Drive Motor



Notes





**105**

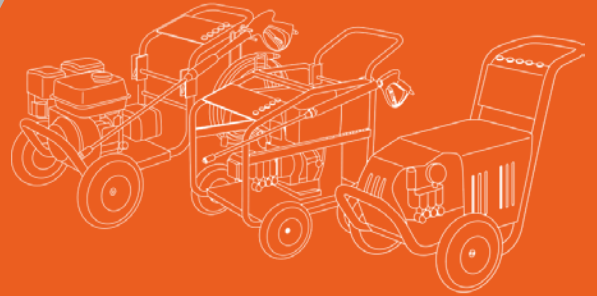
HIGH PRESSURE WASHER

**107**

POWER SPRAYER

**108**

TILLER



## EXCALIBUR AGRICULTURE MACHINERY

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Excalibur agriculture and garden machinery, including high pressure washer, power sprayer, power tiller (also known as cultivator), are built for power washing tasks, fertilizer spraying task and farming.

# High Pressure Washer



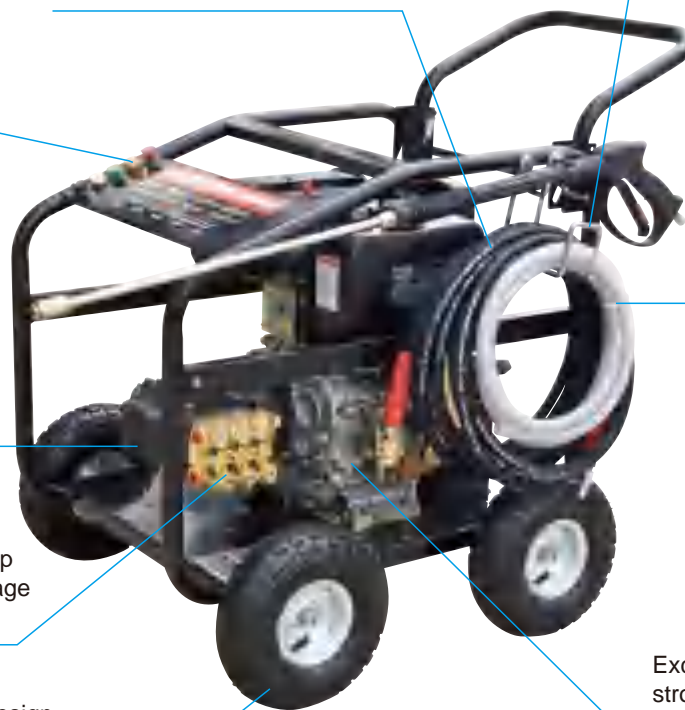
10m high-pressure steel pipe adopts explosion-proof material to increase safety. Explosion-proof pressure is up to 500 kgf.

Stainless steel hook- store all accessories conveniently.

5 different nozzels can satisfy various usages.

We use stainless steel inner tube to prevent bursting and water leakage. Explosion-proof pressure is up to 300 kg.

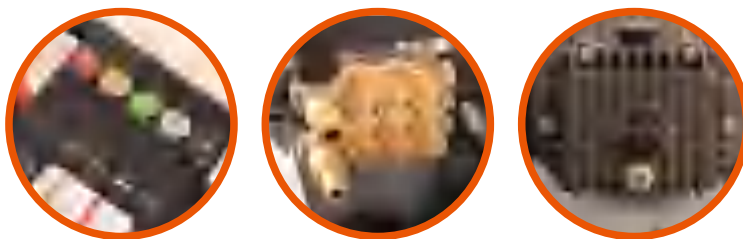
We adopt industrial grade ceramic plunger and imported water seal which can resist abrasion and corrosion to extend service life.



Thickened copper pump ensures no water leakage and large flow.

Excalibur diesel engine provides strong power to ensure washing machine high performance.

4 wheels design makes it move easily.



## Different options of pump



Triplex Pump



Axial Pump



SW2200  
SW2200B  
SW2200D



SW2700B  
SW2700D



SW2900



SW3600B  
SW3600D

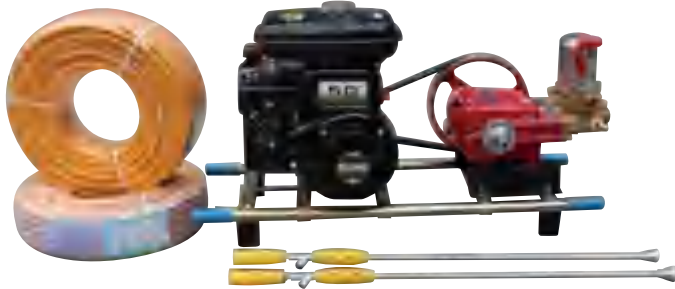
Model	SW2200	SW2200B	SW2200D	SW2700B	SW2700D	SW2900	SW3600B	SW3600D
Engine model	S20	S200	S178F	S200(E)	S178F(E)	S200	S390	S186FA(E)
Power (HP)	5.0	6.5	7	6.5	7	6.5	13	10.0
Max Pressure (bar/psi)		150 (2200)		186 (2700)	186 (2700)	200(2900)	248 (3600)	248 (3600)
Water Flow (L/h)		380		756	756	756	1092	1092
Driving	Manual push							
Starting system	Manual / Electric start							
Packing size (L*W*H) mm		700*450*480		710*400*485		700x450x480		820*500*640
Net weight (KG)	30	30	45	48	63	31	82	97



SW5000

Model	SW5000
Max Pressure (bar/psi)	345(5000)
Water Flow(L/h)	1500
Engine model	Honda GX630
Engine Displacement(cc)	688
Pump	Heavy Duty Triplex Pump
Gun(LPM)	40
Nozzel Type	Quick-connect
Cart	Steel cart
Fuel Capacity(L)	15.2
Fuel Type	Gasoline
Engine oil type	SAE30
Pump oil Type	SAE30
Packing Dimmension (L*W*H mm)	1100*750*1180

# Power Sprayer



Stretcher frame



SS22  
SS22B  
SS22D  
SS30

Trolley frame



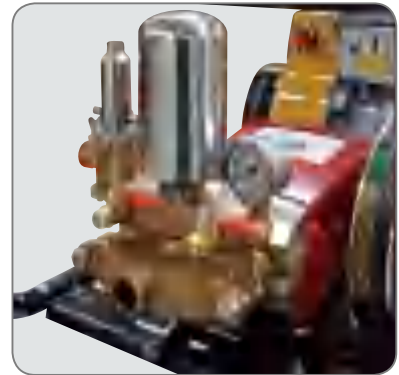
QFG-1  
轴流喷枪  
Axial flow gun

QFG-2  
塑料弯头喷枪  
Plastic bend gun

QFG-3  
弯头喷枪  
Bend gun

QFG-4  
直喷枪  
Straight-head gun

QFG-5  
塑料直喷枪  
Plastic straight-head gun



Length Options:

30cm / 35cm / 40cm / 45cm / 60cm / 90cm / 120cm / 150cm

Model	SS22	SS30
Pressure(kg/cm <sup>2</sup> )	20-35	20-35
Plunger NO*DIA*Stroke	3*22*16	3*30*20
Suction volume (L/min)	14-22	30-40
Speed (P.R.M.)	800-1200	800-1200
Driving	Manual Push	Manual Push
Starting System	Recoil Start	Recoil Start
Packing Size(L*W*H)mm	715*370*460	845*430*545
Net Weight(KG)	26	38
Engine	Robin EY20(5HP)	Robin EY28(7.5HP)
	Honda GX160 (5.5HP)	Honda GX270 (9HP)
	Excalibur Diesel Engine S178F (7HP)	Excalibur Diesel Engine S186FA(10HP)



## Gasoline Type

**Gear Type**  
SG610G

**Belt Type**  
SG610B

## Diesel Type


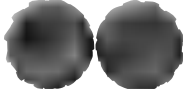



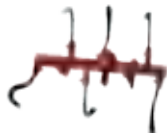




SD610  
SD910



LAMP COVER OPTION

Model	Description	SG610G	SG610B	SD610	SD910
Engine	Engine Model	Gasoline Engine 7HP		Diesel Engine 178F(E)	Diesel Engine 186FA(E)
	Max Power(kW/rpm)	4.2kW/ 3600		4.9kW/ 3600	6.6kW/ 3600
	Fuel Tank Capacity	3.6L		3.5L	5.5L
	Displacement	207cc		296cc	418cc
	Starting System	Recoil start		Recoil start/ Electric start	
Tiller	Tilling Width	950-1050mm		1050mm	1350mm
	Tilling Depth	100-200mm		120-360mm	150-380mm
	Transmission	Gear Drive	Belt + Chain	Gear Drive	
	Speeds	2Fwd+1Rev		2Fwd+1Rev	
	Handle Bar	Adjustable		Adjustable	
Standard Equipment	350-6		350-6	400-8	400-8
Dimension	920*475*750mm		1030*580*870		1030*580*870

### Optional Equipment

400-10	500-12	Anti-wrap blade	Paddy field wheel	Dry land blade
				
Deep tillage balde	Furrow opener	Potato/Garlic harvester	Single-side plough	Spiral blade
				



## Light Tower

It suitable for outdoor lighting in power, fire, railway, municipal and other industries, as well as all kinds of outdoor construction operations, accident treatment, emergency rescue and relief, maintenance and emergency repair and so on for mobile lighting and emergency lighting.





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Light Tower

# Light Tower



Model	SFW6110B
The type of light	Halogen lamps
Rated power	4x500W
Luminous flow	9500Lm
Irradiation range	The lighting coverage radius can reach 50-150 meters
Light source life	Tungsten halogen lamp: ≥ 1 year
Angle of rotation of the lamp head	Horizontal 360° adjustable Vertical 90° adjustable
Light tray size	410x330x300mm (4x500W Lamp panel)
Light plate weight	8kg
<b>LIFTING MAST</b>	
Lifting method	Pneumatic adjustable
Lifting height	4.5M/6M(OPTINAL)
Storage height	1.5m/1.8m
Rise time	45S
Descent time	35S
Lift bar weight	6kg/12kg
<b>GENERATOR</b>	
ENGINE TYPE	Gasoline generator/ diesel generator
VOLTAGE	AC220V/50Hz
RATED POWER	2KW/3KW/5KW/8KW/10KW
STARTING SYSTEM	Manual/electric start
FUEL TANK CAPACITY	10L~20L
CONTINUOUS OPERATING TIME	≥13h
<b>FULL LAMP CAR</b>	
OPERATION CONTROL MODE	Remote and manual control
SHIPPING DIMENSION	760mmx450mmx1900mm
LAMP PROTECTION LEVEL	IP65
WIND RESISTANCE	6
BODY PROTECTION LEVEL	IP54
OPERATING WEIGHT	60Kg~150Kg

◎ SFW6110B  
All - directional automatic  
lifting working light



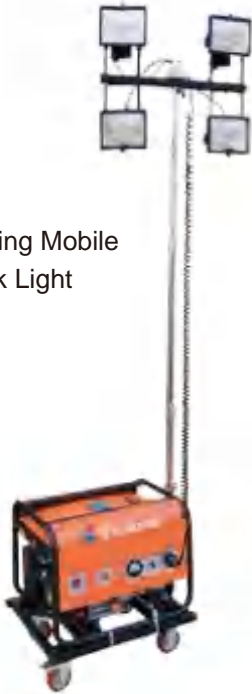
Model		MF961
The type of light	Halogen lamps	
Rated power	4x500W	
Luminous flow	9500Lm	
Irradiation range	The lighting coverage radius can reach 50~150 meters	
Light source life	Tungsten halogen lamp: ≥ 1 year	
Angle of rotation of the lamp head	Horizontal 360° adjustable Vertical 90° adjustable	
Light tray size	660×120×550mm (4x500W Lamp panel) 800×300×280mm (4x1000WLamp panel)	
Light plate weight	6kg/8kg	
LIFTING MAST		
Lifting method	Pneumatic adjustable	
Lifting height	4.5M/6M(OPTINAL)	
Storage height	1.5m/1.8m	
Rise time	45S	
Descent time	35S	
Lift bar weight	6kg/12kg	
GENERATOR		
ENGINE TYPE	Gasoline generator/ diesel generator	
VOLTAGE	AC220V/50Hz	
RATED POWER	2KW/3KW/5KW/8KW/10KW	
STARTING SYSTEM	Manual/electric start	
FUEL TANK CAPACITY	10L~20L	
CONTINUOUS OPERATING TIME	≥13h	
FULL LAMP CAR		
OPERATION CONTROL MODE	Remote and manual control	
SHIPPING DIMENSION	760mm×450mm×1900mm	
LAMP PROTECTION LEVEL	IP65	
WIND RESISTANCE	6	
BODY PROTECTION LEVEL	IP54	
OPERATING WEIGHT	60Kg~150Kg	

- ◎ SMF961  
Remote control lifting  
mobile lighting vehicle



# Light Tower

◎ SMF962A  
Manual Lifting Mobile  
Lifting Work Light



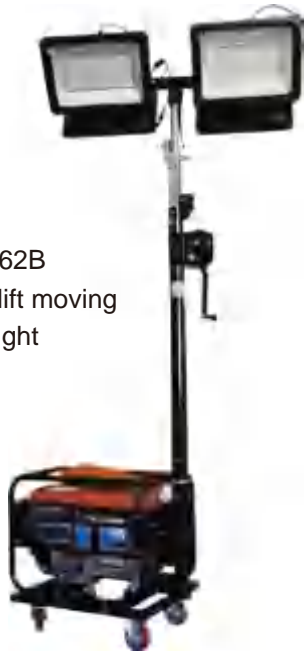
MODEL	SMF962A
LIGHT TYPE	Halogen lamp 4x500W
LUMINOUS FLUX	9500Lm
RADIATION RANGE	The coverage radius can reach 50 ~ 150 meters
LIGHT OPERATION LIFE	GOLD HALOGEN LAMP:≥1 YEAR
ROTATION ANGLE OF LIGHT	HORIZONTAL 360°/VERTICAL 90°ADJUSTABLE
LIGHT PLATE SIZE	660x120x550mm (4x500W Lamp panel)
WEIGHT OF LAMP PANEL	6kg/8kg
LIFTING MAST	
LIFTING METHOD	Pneumatic adjustable
LIGHTHOUSE TELESCOPIC	3M
CLOSED LENGTH	1.2m
LIFTING ROD MATERIAL	stainless steel
LIFTING ROD WEIGHT	3kg
GENERATOR	
ENGINE TYPE	Gasoline generator/ diesel generator
VOLTAGE	AC220V/50Hz
RATED POWER	2KW/3KW/5KW/8KW/10KW
STARTING SYSTEM	Manual/electric start
FUEL TANK CAPACITY	10L~20L
CONTINUOUS OPERATING TIME	≥13h
FULL LAMP CAR	
OPERATION CONTROL MODE	manual control
SHIPPING DIMENSION	640mmx450mmx1500mm
LAMP PROTECTION LEVEL	IP65
WIND RESISTANCE	6
BODY PROTECTION LEVEL	IP54
OPERATING WEIGHT	60Kg~150Kg

MODEL	SMF962 LED
LIGHT TYPE	LED 4x100W
LUMINOUS FLUX	12000Lm
RADIATION RANGE	The coverage radius can reach 50 ~ 150 meters
LIGHT OPERATION LIFE	≥1 YEAR
ROTATION ANGLE OF LIGHT	HORIZONTAL 360°/VERTICAL 90°ADJUSTABLE
LIGHT PLATE SIZE	540x460x60mm (4x100W Lamp panel)
WEIGHT OF LAMP PANEL	6kg/8kg
LIFTING MAST	
LIFTING METHOD	Pneumatic adjustable
LIGHTHOUSE TELESCOPIC	3M
CLOSED LENGTH	1.2m
LIFTING ROD MATERIAL	stainless steel
LIFTING ROD WEIGHT	3kg
GENERATOR	
ENGINE TYPE	Gasoline generator/ diesel generator
VOLTAGE	AC220V/50Hz
RATED POWER	2KW/3KW/5KW/8KW/10KW
STARTING SYSTEM	Manual/electric start
FUEL TANK CAPACITY	10L~20L
CONTINUOUS OPERATING TIME	≥13h
FULL LAMP CAR	
OPERATION CONTROL MODE	manual control
SHIPPING DIMENSION	640mmx450mmx1500mm
LAMP PROTECTION LEVEL	IP65
WIND RESISTANCE	6
BODY PROTECTION LEVEL	IP54
OPERATING WEIGHT	60Kg~150Kg



◎ SMF962 LED  
LEDManual lift mobile  
work light

© SMF962B  
Hand lift moving work light



MODEL		SMF962B
LIGHT TYPE 1	Halogen lamp 4x500W/4x1000W	
LIGHT TYPE 2	LED 4x100W 4x100W/4x200W	
RADIATION RANGE	The coverage radius can reach 50 ~ 150 meters	
LIGHT OPERATION LIFE	≥1 YEAR	
ROTATION ANGLE OF LIGHT	HORIZONTAL 360°/VERTICAL 90°ADJUSTABLE	
LIGHT PLATE SIZE	660x120x550mm (4x500W Lamp panel) 800x300x280mm (4x1000W Lamp panel)	
WEIGHT OF LAMP PANEL	6kg/8kg	
LIFTING MAST		
LIFTING METHOD	Pneumatic adjustable	
LIGHTHOUSE TELESCOPIC	4.5M	
CLOSED LENGTH	1.65m	
LIFTING ROD WEIGHT	6kg	
GENERATOR		
ENGINE TYPE	Gasoline generator/ diesel generator	
VOLTAGE	AC220V/50Hz	
RATED POWER	2KW/3KW/5KW/8KW/10KW	
STARTING SYSTEM	Manual/electric start	
FUEL TANK CAPACITY	10L~20L	
CONTINUOUS OPERATING TIME	≥13h	
FULL LAMP CAR		
OPERATION CONTROL MODE	manual control	
SHIPPING DIMENSION	640mmx450mmx1900mm	
LAMP PROTECTION LEVEL	IP65	
WIND RESISTANCE	6	
BODY PROTECTION LEVEL	IP54	
OPERATING WEIGHT	60Kg~150Kg	

MODEL		SMF963
LIGHT TYPE	Metal halide lamps	
RATED POWER	2x400W/2x1000W	
LUMINOUS FLUX	2x36000Lm/2x105000Lm	
RADIATION RANGE	The coverage radius can reach100~200meters	
LIGHT OPERATION LIFE	≥1 YEAR	
ROTATION ANGLE OF LIGHT	HORIZONTAL 360°/VERTICAL 90°ADJUSTABLE	
LIGHT PLATE SIZE	800x430x370mm (2x400WLamp panel) 800x650x550mm (2x1000WLamp panel)	
WEIGHT OF LAMP PANEL	8kg/12kg	
LIFTING MAST		
LIFTING METHOD	Pneumatic adjustable	
LIGHTHOUSE TELESCOPIC	4.5M/6M(OPTINAL)	
CLOSED LENGTH	1.5m/1.8m	
RISE TIME	45S	
FALL TIME	35S	
LIFTING ROD WEIGHT	6kg/12kg	
GENERATOR		
ENGINE TYPE	Gasoline generator/ diesel generator	
VOLTAGE	AC220V/50Hz	
RATED POWER	2KW/3KW/5KW/8KW/10KW	
STARTING SYSTEM	Manual/electric start	
FUEL TANK CAPACITY	10L~20L	
CONTINUOUS OPERATING TIME	≥13h	
FULL LAMP CAR		
OPERATION CONTROL MODE	Remote and manual control	
SHIPPING DIMENSION	760mmx450mmx1900mm	
LAMP PROTECTION LEVEL	IP65	
WIND RESISTANCE	6	
BODY PROTECTION LEVEL	IP54	
OPERATING WEIGHT	60Kg~150Kg	



© SMF963  
Remote lift mobile lighting car

# Light Tower

● SMF963B  
Hand lift moving  
lift work light



MODEL	SMF963B
LIGHT TYPE	Metal halide lamps
RATED POWER	2x400W/2x1000W
LUMINOUS FLUX	2x36000Lm/2x105000Lm
RADIATION RANGE	The coverage radius can reach100~200meters
LIGHT OPERATION LIFE	≥1 YEAR
ROTATION ANGLE OF LIGHT	HORIZONTAL 360°/VERTICAL 90°ADJUSTABLE
LIGHT PLATE SIZE	800x430x370mm (2x400WLamp panel) 800x650x550mm (2x1000WLamp panel)
WEIGHT OF LAMP PANEL	8kg/12kg
LIFTING MAST	
LIFTING METHOD	Pneumatic adjustable
LIGHTHOUSE TELESCOPIC	4.5M/6M(OPTINAL)
CLOSED LENGTH	1.5m/1.8m
LIFTING ROD WEIGHT	6kg/12kg
GENERATOR	
ENGINE TYPE	Gasoline generator/ diesel generator
VOLTAGE	AC220V/50Hz
RATED POWER	2KW/3KW/5KW/8KW/10KW
STARTING SYSTEM	Manual/electric start
FUEL TANK CAPACITY	10L~20L
CONTINUOUS OPERATING TIME	≥13h
FULL LAMP CAR	
OPERATION CONTROL MODE	manual control
SHIPPING DIMENSION	640mmx450mmx1900mm
LAMP PROTECTION LEVEL	IP65
WIND RESISTANCE	6
BODY PROTECTION LEVEL	IP54
OPERATING WEIGHT	60Kg~150Kg

MODEL	SMF965
LIGHT TYPE	LED
RATED POWER	4x100W/4x200W
LUMINOUS FLUX	4x10000Lm/4x20000Lm
RADIATION RANGE	The coverage radius can reach50~150meters
LIGHT OPERATION LIFE	LED:≥3YEAR
ROTATION ANGLE OF LIGHT	HORIZONTAL 360°/VERTICAL 90°ADJUSTABLE
LIGHT PLATE SIZE	660x70x550mm(4x100WLamp panel) 800x80x820mm (4x200WLamp panel)
WEIGHT OF LAMP PANEL	7kg/10kg
LIFTING MAST	
LIFTING METHOD	Pneumatic adjustable
LIGHTHOUSE TELESCOPIC	4.5M/6M(OPTINAL)
CLOSED LENGTH	1.5m/1.8m
RISE TIME	45S
FALL TIME	35S
LIFTING ROD WEIGHT	6kg/12kg
GENERATOR	
ENGINE TYPE	Gasoline generator/ diesel generator
VOLTAGE	AC220V/50Hz
RATED POWER	2KW/3KW/5KW/8KW/10KW
STARTING SYSTEM	Manual/electric start
FUEL TANK CAPACITY	10L~20L
CONTINUOUS OPERATING TIME	≥13h
FULL LAMP CAR	
OPERATION CONTROL MODE	Remote and manual control
SHIPPING DIMENSION	760mmx450mmx1900mm
LAMP PROTECTION LEVEL	IP65
WIND RESISTANCE	6
BODY PROTECTION LEVEL	IP54
OPERATING WEIGHT	65Kg~150Kg

● SMF965  
LED mobile lift  
lighting car





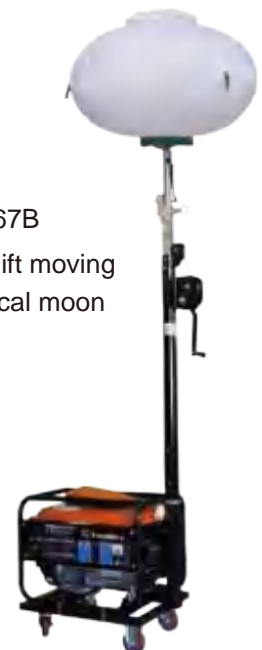


◎ SMF967  
Moving spherical  
moon lights

MODEL	SMF967
LIGHT TYPE	Metal halide lamps
RATED POWER	1×1000W/2×1000W
LUMINOUS FLUX	1×105000Lm/2×105000Lm
RADIATION RANGE	The coverage radius can reach100~200meters
LIGHT OPERATION LIFE	≥1YEAR
ROTATION ANGLE OF LIGHT	360°
LIGHT PLATE SIZE	Φ1000×800mm(Size of expansion) Φ300×800mm (Size of storage)
WEIGHT OF LAMP PANEL	10kg
LIFTING MAST	
LIFTING METHOD	Pneumatic adjustable
LIGHTHOUSE TELESCOPIC	4.5M/6M(OPTINAL)
CLOSED LENGTH	1.5m/1.8m
RISE TIME	45S
FALL TIME	35S
LIFTING ROD WEIGHT	6kg/12kg
GENERATOR	
ENGINE TYPE	Gasoline generator/ diesel generator
VOLTAGE	AC220V/50Hz
RATED POWER	2KW/3KW/5KW/8KW/10KW
STARTING SYSTEM	Manual/electric start
FUEL TANK CAPACITY	10L~20L
CONTINUOUS OPERATING TIME	≥13h
FULL LAMP CAR	
OPERATION CONTROL MODE	Remote and manual control
SHIPPING DIMENSION	760mm×450mm×1900mm
LAMP PROTECTION LEVEL	IP65
WIND RESISTANCE	6
BODY PROTECTION LEVEL	IP54
OPERATING WEIGHT	80Kg~150Kg

MODEL	SMF967B
LIGHT TYPE1	Metal halide lamps1000W
LIGHT TYPE1	LED 300W 400W 500W
LUMINOUS FLUX	105000Lm/30000Lm
RADIATION RANGE	The coverage radius can reach100~200meters
LIGHT OPERATION LIFE	≥1YEAR
ROTATION ANGLE OF LIGHT	360°
LIGHT PLATE SIZE	Φ1000×800mm(Size of expansion) Φ300×800mm (Size of storage)
WEIGHT OF LAMP PANEL	10kg
LIFTING MAST	
LIFTING METHOD	Hand lift and drop
LIGHTHOUSE TELESCOPIC	4.5M
CLOSED LENGTH	1.5m/1.8m
LIFTING ROD WEIGHT	6kg
GENERATOR	
ENGINE TYPE	Gasoline generator/ diesel generator
VOLTAGE	AC220V/50Hz
RATED POWER	2KW/3KW/5KW/8KW/10KW
STARTING SYSTEM	Manual/electric start
FUEL TANK CAPACITY	10L~20L
CONTINUOUS OPERATING TIME	≥13h
FULL LAMP CAR	
OPERATION CONTROL MODE	Remote and manual control
SHIPPING DIMENSION	640mm×450mm×1900mm
LAMP PROTECTION LEVEL	IP65
WIND RESISTANCE	6
BODY PROTECTION LEVEL	IP54
OPERATING WEIGHT	80Kg~150Kg

◎ SMF967B  
Hand lift moving  
spherical moon  
lamp



# Light Tower



◎ SMF951-Q  
Automatic lifting  
mobile lighting car

MODEL		SMF951-Q
LIGHT TYPE	Halogen lamp	
RATED POWER	4x500W/4x1000W	
LUMINOUS FLUX	4x9500Lm/4x20000Lm	
RADIATION RANGE	The coverage radius can reach50~150meters	
LIGHT OPERATION LIFE	≥1YEAR	
ROTATION ANGLE OF LIGHT	HORIZONTAL 360°/VERTICAL 90°ADJUSTABLE	
LIGHT PLATE SIZE	660x120x550mm(4x500W Lamp panel) 800x300x280mm (4x1000W Lamp panel)	
WEIGHT OF LAMP PANEL	6kg/8kg	
LIFTING MAST		
LIFTING METHOD	Pneumatic adjustable	
LIGHTHOUSE TELESCOPIC	4.5M/6M(OPTINAL)	
CLOSED LENGTH	1.5m/1.8m	
RISE TIME	45S	
FALL TIME	35S	
LIFTING ROD WEIGHT	6kg/12kg	
GENERATOR		
ENGINE TYPE	Gasoline generator/ diesel generator	
VOLTAGE	AC220V/50Hz	
RATED POWER	2KW/3KW/5KW/8KW/10KW	
STARTING SYSTEM	Manual/electric start	
FUEL TANK CAPACITY	10L~20L	
CONTINUOUS OPERATING TIME	≥13h	
FULL LAMP CAR		
OPERATION CONTROL MODE	Remote and manual control	
SHIPPING DIMENSION	1220mmx950mmx850mm	
LAMP PROTECTION LEVEL	IP65	
WIND RESISTANCE	6	
BODY PROTECTION LEVEL	IP54	
OPERATING WEIGHT	120Kg~180Kg	

MODEL		SMF953-Q
LIGHT TYPE	Metal halide lamps	
RATED POWER	2x400W/2x1000W	
LUMINOUS FLUX	2x36000Lm/2x105000Lm	
RADIATION RANGE	The coverage radius can reach100~200meters	
LIGHT OPERATION LIFE	≥1YEAR	
ROTATION ANGLE OF LIGHT	HORIZONTAL 360°/VERTICAL 90°ADJUSTABLE	
LIGHT PLATE SIZE	800x430x370mm(2x400WLamp panel) 800x650x550mm (2x1000W Lamp panel)	
WEIGHT OF LAMP PANEL	8kg/12kg	
LIFTING MAST		
LIFTING METHOD	Pneumatic adjustable	
LIGHTHOUSE TELESCOPIC	4.5M/6M(OPTINAL)	
CLOSED LENGTH	1.5m/1.8m	
RISE TIME	45S	
FALL TIME	35S	
LIFTING ROD WEIGHT	6kg/12kg	
GENERATOR		
ENGINE TYPE	Gasoline generator/ diesel generator	
VOLTAGE	AC220V/50Hz	
RATED POWER	2KW/3KW/5KW/8KW/10KW	
STARTING SYSTEM	Manual/electric start	
FUEL TANK CAPACITY	10L~20L	
CONTINUOUS OPERATING TIME	≥13h	
FULL LAMP CAR		
OPERATION CONTROL MODE	Remote and manual control	
SHIPPING DIMENSION	1220mmx950mmx850mm	
LAMP PROTECTION LEVEL	IP65	
WIND RESISTANCE	6	
BODY PROTECTION LEVEL	IP54	
OPERATING WEIGHT	120Kg~180Kg	



◎ SMF953-Q  
Automatic lifting  
mobile lighting car



◎ SMF955-Q  
Automatic lifting LED  
mobile lighting car

MODEL	SMF955-Q
LIGHT TYPE	LED
RATED POWER	4x100W/4x200W
LUMINOUS FLUX	4x10000Lm/4x20000Lm
RADIATION RANGE	The coverage radius can reach50~150meters
LIGHT OPERATION LIFE	≥3YEAR
ROTATION ANGLE OF LIGHT	HORIZONTAL 360°/VERTICAL 90°ADJUSTABLE
LIGHT PLATE SIZE	660x70x550mm(4x100W Lamp panel) 800x80x820mm(4x200W Lamp panel)
WEIGHT OF LAMP PANEL	7kg/10kg
LIFTING MAST	
LIFTING METHOD	Pneumatic adjustable
LIGHTHOUSE TELESCOPIC	4.5M/6M(OPTINAL)
CLOSED LENGTH	1.5m/1.8m
RISE TIME	45S
FALL TIME	35S
LIFTING ROD WEIGHT	6kg/12kg
GENERATOR	
ENGINE TYPE	Gasoline generator/ diesel generator
VOLTAGE	AC220V/50Hz
RATED POWER	2KW/3KW/5KW/8KW/10KW
STARTING SYSTEM	Manual/electric start
FUEL TANK CAPACITY	10L~20L
CONTINUOUS OPERATING TIME	≥13h
FULL LAMP CAR	
OPERATION CONTROL MODE	Remote and manual control
SHIPPING DIMENSION	1220mmx950mmx850mm
LAMP PROTECTION LEVEL	IP65
WIND RESISTANCE	6
BODY PROTECTION LEVEL	IP54
OPERATING WEIGHT	120Kg~180Kg

MODEL	SMF957-Q
LIGHT TYPE	Metal halide lamps
RATED POWER	1x1000W/2x1000W
LUMINOUS FLUX	1x105000Lm/2x105000Lm
RADIATION RANGE	The coverage radius can reach100~200meters
LIGHT OPERATION LIFE	≥1YEAR
ROTATION ANGLE OF LIGHT	HORIZONTAL 360°/VERTICAL 90°ADJUSTABLE
LIGHT PLATE SIZE	Φ1000×800mm(Size of expansion) Φ300×800mm(Size of storage)
WEIGHT OF LAMP PANEL	10kg
LIFTING MAST	
LIFTING METHOD	Pneumatic adjustable
LIGHTHOUSE TELESCOPIC	4.5M/6M(OPTINAL)
CLOSED LENGTH	1.5m/1.8m
RISE TIME	45S
FALL TIME	35S
LIFTING ROD WEIGHT	6kg/12kg
GENERATOR	
ENGINE TYPE	Gasoline generator/ diesel generator
VOLTAGE	AC220V/50Hz
RATED POWER	2KW/3KW/5KW/8KW/10KW
STARTING SYSTEM	Manual/electric start
FUEL TANK CAPACITY	10L~20L
CONTINUOUS OPERATING TIME	≥13h
FULL LAMP CAR	
OPERATION CONTROL MODE	Remote and manual control
SHIPPING DIMENSION	1220mmx950mmx850mm
LAMP PROTECTION LEVEL	IP65
WIND RESISTANCE	8
BODY PROTECTION LEVEL	IP54
OPERATING WEIGHT	120Kg~180Kg

◎ SMF957-Q  
Automatic lift moving  
spherical moon lamp



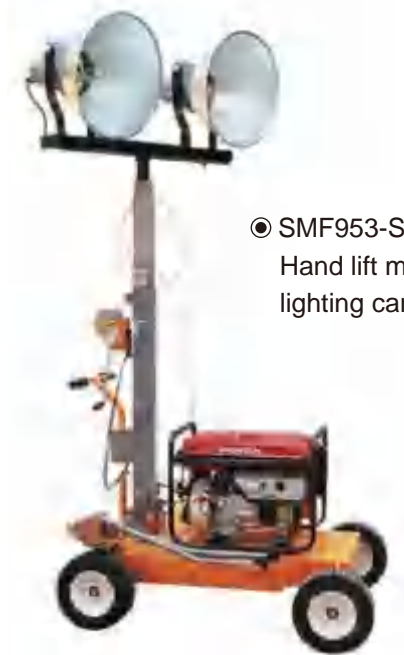
# Light Tower



◎ SMF951-S  
Hand lift mobile  
lighting car

MODEL	SMF951-S
LIGHT TYPE	halide lamps
RATED POWER	4x500W/4x1000W
LUMINOUS FLUX	4x9500Lm/4x20000Lm
RADIATION RANGE	The coverage radius can reach100~200meters
LIGHT OPERATION LIFE	≥1YEAR
ROTATION ANGLE OF LIGHT	HORIZONTAL 360°/VERTICAL 90°ADJUSTABLE
LIGHT PLATE SIZE	660x120x550mm (4x500W Lamp panel) 800x300x280mm (4x1000W Lamp panel)
WEIGHT OF LAMP PANEL	6kg/8kg
LIFTING MAST	
LIFTING METHOD	Hand lift and drop
LIGHTHOUSE TELESCOPIC	4.5M
CLOSED LENGTH	1.6m
RISE TIME	1600mmx360mmx180mm
FALL TIME	30kg
GENERATOR	
ENGINE TYPE	Gasoline generator/ diesel generator
VOLTAGE	AC220V/50Hz
RATED POWER	2KW/3KW/5KW/8KW/10KW
STARTING SYSTEM	Manual/electric start
FUEL TANK CAPACITY	10L~20L
CONTINUOUS OPERATING TIME	≥13h
FULL LAMP CAR	
OPERATION CONTROL MODE	Remote and manual control
SHIPPING DIMENSION	1220mmx950mmx850mm
LAMP PROTECTION LEVEL	IP65
WIND RESISTANCE	6
BODY PROTECTION LEVEL	IP54
OPERATING WEIGHT	120Kg~180Kg

MODEL	SMF953-S
LIGHT TYPE	Metal halide lamps
RATED POWER	2x400W/2x1000W
LUMINOUS FLUX	2x36000Lm/2x105000Lm
RADIATION RANGE	The coverage radius can reach100~200meters
LIGHT OPERATION LIFE	≥1YEAR
ROTATION ANGLE OF LIGHT	HORIZONTAL 360°/VERTICAL 90°ADJUSTABLE
LIGHT PLATE SIZE	800x430x370mm(2x400W Lamp panel) 800x650x550mm(2x1000W Lamp panel)
WEIGHT OF LAMP PANEL	8kg/12kg
LIFTING MAST	
LIFTING METHOD	Hand lift and drop
LIGHTHOUSE TELESCOPIC	4.5M
CLOSED LENGTH	1.6m
RISE TIME	1600mmx360mmx180mm
FALL TIME	30kg
LIFTING ROD WEIGHT	6kg/12kg
GENERATOR	
ENGINE TYPE	Gasoline generator/ diesel generator
VOLTAGE	AC220V/50Hz
RATED POWER	2KW/3KW/5KW/8KW/10KW
STARTING SYSTEM	Manual/electric start
FUEL TANK CAPACITY	10L~20L
CONTINUOUS OPERATING TIME	≥13h
FULL LAMP CAR	
OPERATION CONTROL MODE	Remote and manual control
SHIPPING DIMENSION	1220mmx950mmx850mm
LAMP PROTECTION LEVEL	IP65
WIND RESISTANCE	6
BODY PROTECTION LEVEL	IP54
OPERATING WEIGHT	120Kg~180Kg



◎ SMF953-S  
Hand lift mobile  
lighting car

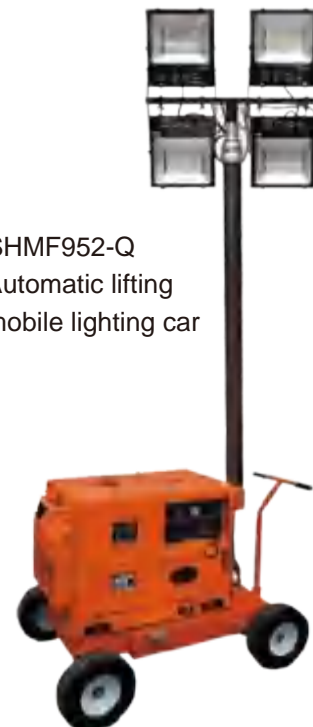
◎ SMF952-S  
Hand lift mobile  
lighting car



MODEL	SMF952-S
LIGHT TYPE	LED
RATED POWER	4x750W
LUMINOUS FLUX	4x75000Lm
RADIATION RANGE	The coverage radius can reach50~150meters
LIGHT OPERATION LIFE	≥1YEAR
ROTATION ANGLE OF LIGHT	HORIZONTAL 360°/VERTICAL 90°ADJUSTABLE
LIGHT PLATE SIZE	900x120x900mm
WEIGHT OF LAMP PANEL	6kg/8kg
LIFTING MAST	
LIFTING METHOD	Hand lift and drop
LIGHTHOUSE TELESCOPIC	4.5M
CLOSED LENGTH	1.6m
SIZE OF PACKAGE	1600mmx360mmx180mm
LIFTING ROD WEIGHT	30kg
LIFTING ROD WEIGHT	6kg/12kg
GENERATOR	
ENGINE TYPE	diesel generator
VOLTAGE	AC220V/50Hz
RATED POWER	6KW
STARTING SYSTEM	electric start
FUEL TANK CAPACITY	10L~20L
CONTINUOUS OPERATING TIME	≥13h
FULL LAMP CAR	
OPERATION CONTROL MODE	Remote and manual control
SHIPPING DIMENSION	1220mmx950mmx850mm
LAMP PROTECTION LEVEL	IP65
WIND RESISTANCE	6
BODY PROTECTION LEVEL	IP54
OPERATING WEIGHT	120Kg~180Kg

MODEL	SHMF952-Q
LIGHT TYPE	LIGHT TYPE
RATED POWER	RATED POWER
LUMINOUS FLUX	LUMINOUS FLUX
RADIATION RANGE	RADIATION RANGE
LIGHT OPERATION LIFE	LIGHT OPERATION LIFE
ROTATION ANGLE OF LIGHT	ROTATION ANGLE OF LIGHT
LIGHT PLATE SIZE	LIGHT PLATE SIZE
WEIGHT OF LAMP PANEL	WEIGHT OF LAMP PANEL
LIFTING MAST	
LIFTING METHOD	Automatic lifting and lowering
LIGHTHOUSE TELESCOPIC	4.5M
CLOSED LENGTH	1.6m
SIZE OF PACKAGE	1600mmx360mmx180mm
LIFTING ROD WEIGHT	8kg
GENERATOR	
ENGINE TYPE	diesel generator
VOLTAGE	AC220V/50Hz
RATED POWER	6KW
STARTING SYSTEM	electric start
FUEL TANK CAPACITY	10L~20L
CONTINUOUS OPERATING TIME	≥13h
FULL LAMP CAR	
OPERATION CONTROL MODE	Remote and manual control
SHIPPING DIMENSION	1220mmx950mmx850mm
LAMP PROTECTION LEVEL	IP65
WIND RESISTANCE	6
BODY PROTECTION LEVEL	IP54
OPERATING WEIGHT	120Kg~180Kg

◎ SHMF952-Q  
Automatic lifting  
mobile lighting car



# Light Tower



◎ SMF955-S  
Hand-lift LED  
mobile lighting car

MODEL	SMF955-S
LIGHT TYPE	LED
RATED POWER	4x100W/4x200W
LUMINOUS FLUX	4x10000Lm/4x20000Lm
RADIATION RANGE	The coverage radius can reach50~150meters
LIGHT OPERATION LIFE	LED: ≥3YEAR
ROTATION ANGLE OF LIGHT	HORIZONTAL 360°/VERTICAL 90°ADJUSTABLE
LIGHT PLATE SIZE	660x70x550mm (x100WLamp panel) 800x80x820mm (4x200WLamp panel)
WEIGHT OF LAMP PANEL	7kg/10kg
LIFTING MAST	
LIFTING METHOD	Hand lift and drop
LIGHTHOUSE TELESCOPIC	4.5M
CLOSED LENGTH	1.6m
SIZE OF PACKAGE	1600mmx360mmx180mm
LIFTING ROD WEIGHT	30kg
GENERATOR	
ENGINE TYPE	Gasoline generator/ diesel generator
VOLTAGE	AC220V/50Hz
RATED POWER	2KW/3KW/5KW/8KW/10KW
STARTING SYSTEM	Manual/electric start
FUEL TANK CAPACITY	10L~20L
CONTINUOUS OPERATING TIME	≥13h
FULL LAMP CAR	
OPERATION CONTROL MODE	Remote and manual control
SHIPPING DIMENSION	1220mmx950mmx850mm
LAMP PROTECTION LEVEL	IP65
WIND RESISTANCE	6
BODY PROTECTION LEVEL	IP54
OPERATING WEIGHT	120Kg~180Kg

MODEL	SMF957-S
LIGHT TYPE	Metal halide lamps
RATED POWER	1x1000W/2x1000W
LUMINOUS FLUX	1x105000Lm/2x105000Lm
RADIATION RANGE	The coverage radius can reach100~200meters
LIGHT OPERATION LIFE	≥1YEAR
ROTATION ANGLE OF LIGHT	HORIZONTAL 360°/VERTICAL 90°ADJUSTABLE
LIGHT PLATE SIZE	Φ1000x800mm(Size of expansion) Φ300x800mm (Size of storage)
WEIGHT OF LAMP PANEL	10kg
LIFTING MAST	
LIFTING METHOD	Hand lift and drop
LIGHTHOUSE TELESCOPIC	4.5M
CLOSED LENGTH	1.6m
SIZE OF PACKAGE	1600mmx360mmx180mm
LIFTING ROD WEIGHT	30kg
GENERATOR	
ENGINE TYPE	Gasoline generator/ diesel generator
VOLTAGE	AC220V/50Hz
RATED POWER	2KW/3KW/5KW/8KW/10KW
STARTING SYSTEM	Manual/electric start
FUEL TANK CAPACITY	10L~20L
CONTINUOUS OPERATING TIME	≥13h
FULL LAMP CAR	
OPERATION CONTROL MODE	Remote and manual control
SHIPPING DIMENSION	1220mmx950mmx850mm
LAMP PROTECTION LEVEL	IP65
WIND RESISTANCE	6
BODY PROTECTION LEVEL	IP54
OPERATING WEIGHT	120Kg~180Kg



◎ SMF957-S



© SMF940  
Hybrid oil electric  
mobile lift work light

## LIGHT PANEL

LIGHT TYPE	LED
RATED POWER	4×100W/4×200W(optional)
LUMINOUS FLUX	80000Lm/72000Lm
RADIATION RANGE	The coverage radius can reach50~150meters
ROTATION ANGLE OF LIGHT	HORIZONTAL 360°/VERTICAL 90°ADJUSTABLE
WEIGHT OF LAMP PANEL	6kg

## LIFTING MAST

BATTERY TYPE	Lead acid battery lithium battery(optional)
RATED CAPACITY	40Ah~100Ah
CHARGING TIME	≥12h
DISCHARGE TIME	≥6h
BATTERY WEIGHT	30kg~60kg

## LIFTING MAST

LIFTING METHOD	Remote control automatic lifting
LIGHTHOUSE TELESCOPIC	4.5M/6m(optional)
CLOSED LENGTH	1.5m/1.8m
TIME OF RISE AND FALL	45S/35S
LIFTING ROD WEIGHT	6kg/12kg

## GENERATOR

ENGINE TYPE	Gasoline generator/ diesel generator
VOLTAGE	AC220V/50Hz
RATED POWER	2KW/3KW/5KW/8KW/10KW
STARTING SYSTEM	Manual/electric start
FUEL TANK CAPACITY	10L~20L
CONTINUOUS OPERATING TIME	≥13h

## FULL LAMP CAR

OPERATION CONTROL MODE	Remote and manual control
SHIPPING DIMENSION	1220mm×950mm×850mm
LAMP PROTECTION LEVEL	IP65
WIND RESISTANCE	6
BODY PROTECTION LEVEL	IP54
OPERATING WEIGHT	120Kg~180Kg

# Light Tower (Trailer Type)

## ● SMF952-S

Trailer type mobile light tower(LED)



### GENERATOR

ENGINE TYPE	DIESEL ENGINE
VOLTAGE	AC220V/50Hz
RATED POWER	7KW/8KW/10KW/12KW
STARTING SYSTEM	ELECTRIC START
FUEL TANK CAPACITY	50L
LUBRICATING OIL CAPACITY	1.65L/2.3L
CONTINUOUS OPERATING TIME	≥60h
NOISE LEVEL (7m)	80dB
NUMBER OF CYLINDERS	3/4
AIR INTAKE MODE	NATURAL ASPIRATED
RATED SPEED	1500r. p.m
COOLING SYSTEM	AIR-COOLED
FUEL CONSUMPTION (FULL LOAD)	1.66L
GENERATOR POLES/VOLTAGE	4P/230V/50Hz

### LIGHT PANEL

LIGHT TYPE	METAL HALIDE LAMP/LED
RATED POWER	4×1000W/4×500W
LUMINOUS FLUX	4×90000Lm/4×50000Lm
RADIATION RANGE	2000~3000m <sup>2</sup>
LIGHT OPERATION LIFE	GOLD HALOGEN LAMP:≥1 YEAR LED lights:≥3 YEAR
ROTATION ANGLE OF LIGHT	HORIZONTAL 360°/VERTICAL 90°ADJUSTABLE
WEIGHT OF LAMP PANEL	42kg

### LIFTING MAST

TYPE OF LIFT	Hydraulic pressure type
LIFTING HEIGHT/NUMBER OF KNOTS	9m/9
TIME OF RISE AND FALL	13S/25S
ANGLE OF ROTATION	Manual 360°
LIFTING ROD PACKAGE SIZE	2000×1600×1700mm

### FULL LAMP CAR

MAX WORKING SIZE	2.3×2.4×9.1m
SHIPPING DIMENSION	1.6×1.5×2.3m
PACKING SIZE:	1.6×1.5×2.3m
WIND RESISTANCE	8
WHEEL	2×185/70R 13
FIXED BRACKET	4
AUXILIARY OUTPUT SOCKET	2×16Amp 1×32Amp 230V
OPERATING WEIGHT	910Kg (UNFUELED)



◎ SMF969A  
Hydraulic lifting  
mobile light tower



GENERATOR	
ENGINE TYPE	DIESEL ENGINE
VOLTAGE	AC220V/50Hz
RATED POWER	7KW/8KW/10KW/12KW
STARTING SYSTEM	ELECTRIC START
FUEL TANK CAPACITY	50L
LUBRICATING OIL CAPACITY	1.65L/2.3L
CONTINUOUS OPERATING TIME	≥60h
NOISE LEVEL (7m)	80dB
NUMBER OF CYLINDERS	3/4
AIR INTAKE MODE	NATURAL ASPIRATED
RATED SPEED	1500r. p.m
COOLING SYSTEM	AIR-COOLED
FUEL CONSUMPTION (FULL LOAD)	1.66L
GENERATOR POLES/VOLTAGE	4P/230V/50Hz
LIGHT PANEL	
LIGHT TYPE	METAL HALIDE LAMP/LED
RATED POWER	4x1000W/4x500W
LUMINOUS FLUX	4x90000Lm/4x50000Lm
RADIATION RANGE	2000~3000m <sup>2</sup>
LIGHT OPERATION LIFE	GOLD HALOGEN LAMP:≥1 YEAR LED lights:≥3 YEAR
ROTATION ANGLE OF LIGHT	HORIZONTAL 360°/VERTICAL 90°ADJUSTABLE
WEIGHT OF LAMP PANEL	42kg
LIFTING MAST	
TYPE OF LIFT	Hydraulic pressure type
LIFTING HEIGHT/NUMBER OF KNOTS	9m/9
TIME OF RISE AND FALL	13S/25S
ANGLE OF ROTATION	Manual 360°
LIFTING ROD PACKAGE SIZE	2000x1600x1700mm
FULL LAMP CAR	
MAX WORKING SIZE	2.3x2.4x9.1m
SHIPPING DIMENSION	1.6x1.5x2.3m
PACKING SIZE:	1.6x1.5x2.3m
WIND RESISTANCE	8
WHEEL	2x185/70R 13
FIXED BRACKET	4
AUXILIARY OUTPUT SOCKET	2x16Amp 1x32Amp 230V
OPERATING WEIGHT	910Kg (UNFUELED)

# Light Tower (Trailer Type)

◎ SMF969B  
Hydraulic lifting  
mobile light tower



## GENERATOR

ENGINE TYPE	DIESEL ENGINE
VOLTAGE	AC220V/50Hz
RATED POWER	7KW/8KW/10KW/12KW
STARTING SYSTEM	ELECTRIC START
FUEL TANK CAPACITY	100L
LUBRICATING OIL CAPACITY	1.65L/2.3L
CONTINUOUS OPERATING TIME	≥60h
NOISE LEVEL (7m)	80dB
NUMBER OF CYLINDERS	3/4
AIR INTAKE MODE	NATURAL ASPIRATED
RATED SPEED	1500r. p.m
COOLING SYSTEM	AIR-COOLED
FUEL CONSUMPTION (FULL LOAD)	1.66L
GENERATOR POLES/VOLTAGE	4P/230V/50Hz

## LIGHT PANEL

LIGHT TYPE	METAL HALIDE LAMP/LED
RATED POWER	4x1000W/4x500W
LUMINOUS FLUX	4x90000Lm/4x50000Lm
RADIATION RANGE	2000~3000m <sup>2</sup>
LIGHT OPERATION LIFE	GOLD HALOGEN LAMP:≥1 YEAR LED lights:≥3 YEAR
ROTATION ANGLE OF LIGHT	HORIZONTAL 360°/VERTICAL 90°ADJUSTABLE
WEIGHT OF LAMP PANEL	42kg

## LIFTING MAST

TYPE OF LIFT	Hydraulic pressure type
LIFTING HEIGHT/NUMBER OF KNOTS	9m/9
TIME OF RISE AND FALL	13S/25S
ANGLE OF ROTATION	Manual 360°
LIFTING ROD PACKAGE SIZE	2000x1600x1700mm

## FULL LAMP CAR

MAX WORKING SIZE	2.3x2.4x9.1m
SHIPPING DIMENSION	2.3x1.3x2.5m
PACKING SIZE:	2.9x1.6x1.7m
WIND RESISTANCE	8
HEAVY DUTY SUPPORT FOOT	2x185/70R 13
FIXED BRACKET	4 hydraulic support feet
AUXILIARY OUTPUT SOCKET	2x16Amp 1x32Amp 230V
OPERATING WEIGHT	910Kg (UNFUELED)

- ◎ SMF970  
Hydraulic lifting  
mobile light tower



## GENERATOR

ENGINE TYPE	DIESEL ENGINE
VOLTAGE	AC220V/50Hz
RATED POWER	7KW/8KW/10KW/12KW
STARTING SYSTEM	ELECTRIC START
FUEL TANK CAPACITY	50L
LUBRICATING OIL CAPACITY	1.65L/2.3L
CONTINUOUS OPERATING TIME	≥70h
NOISE LEVEL (7m)	80dB
NUMBER OF CYLINDERS	3/4
AIR INTAKE MODE	NATURAL ASPIRATED
RATED SPEED	1500r. p.m
COOLING SYSTEM	AIR-COOLED
FUEL CONSUMPTION (FULL LOAD)	1.66L
GENERATOR POLES/VOLTAGE	4P/230V/50Hz

## LIGHT PANEL

LIGHT TYPE	METAL HALIDE LAMP/LED
RATED POWER	4×1000W/4×500W
LUMINOUS FLUX	4×105000Lm/4×50000Lm
RADIATION RANGE	2000~3000m <sup>2</sup>
LIGHT OPERATION LIFE	GOLD HALOGEN LAMP:≥1 YEAR LED lights:≥3 YEAR
ROTATION ANGLE OF LIGHT	HORIZONTAL 360°/VERTICAL 90°ADJUSTABLE
WEIGHT OF LAMP PANEL	30kg

## LIFTING MAST

LIFTING METHOD	Pneumatic lifting
LIGHTHOUSE TELESCOPIC	7.5m/9m(OPTIONAL)
CLOSED LENGTH	2m/2.8m
PACKING SIZE	300×320×3000mm
LIFTING ROD WEIGHT	25kg/40kg

## FULL LAMP CAR

MAX WORKING SIZE	2.8×2.8×9.1m
SHIPPING DIMENSION	1.6×1.5×2.0m
PACKING SIZE:	1.6×1.5×2.0m
WIND RESISTANCE	8
WHEEL	2
FIXED BRACKET	4
AUXILIARY OUTPUT SOCKET	2×16Amp.230V
OPERATING WEIGHT	830Kg (UNFUELED)

# Light Tower (Trailer Type)

◎ SMF968A

Trailer type mobile light tower



## GENERATOR

ENGINE TYPE	DIESEL ENGINE
VOLTAGE	AC220V/50Hz
RATED POWER	7KW/8KW/10KW/12KW
STARTING SYSTEM	ELECTRIC START
FUEL TANK CAPACITY	50L
LUBRICATING OIL CAPACITY	1.65L/2.3L
CONTINUOUS OPERATING TIME	≥70h
NOISE LEVEL (7m)	80dB
NUMBER OF CYLINDERS	3/4
AIR INTAKE MODE	NATURAL ASPIRATED
RATED SPEED	1500r. p.m
COOLING SYSTEM	AIR-COOLED
FUEL CONSUMPTION (FULL LOAD)	1.66L
GENERATOR POLES/VOLTAGE	4P/230V/50Hz

## LIGHT PANEL

LIGHT TYPE	METAL HALIDE LAMP
RATED POWER	4×1000W/6×1000W
LUMINOUS FLUX	4×105000Lm/6×105000Lm
RADIATION RANGE	2000~3000m <sup>2</sup>
LIGHT OPERATION LIFE	GOLD HALOGEN LAMP:≥1 YEAR
ROTATION ANGLE OF LIGHT	HORIZONTAL 360°/VERTICAL 90°ADJUSTABLE
WEIGHT OF LAMP PANEL	30kg

## LIFTING MAST

LIFTING METHOD	HAND LIFT
LIGHTHOUSE TELESCOPIC	7M/9M(OPTIONAL)
CLOSED LENGTH	3.2m
PACKING SIZE	3600×320×120mm
LIFTING ROD WEIGHT	28kg

## FULL LAMP CAR

MAX WORKING SIZE	2.8×2.8×9.1m
SHIPPING DIMENSION	1.6×1.5×2.0m
PACKING SIZE:	1.6×1.5×2.0m
WIND RESISTANCE	8
WHEEL	2
FIXED BRACKET	4
AUXILIARY OUTPUT SOCKET	2×16Amp.230V
OPERATING WEIGHT	650Kg (UNFUELED)

◎ SMF971  
Solar mobile lifting  
light tower



## SOLAR PANEL

SOLAR PANEL POWER	2x300W/3x300W/4x300W(optional)
VOLTAGE	54V
CURRENT	8.18A
EXTENSION TYPE	MANUAL
NUMBERS OF SOLAR PANEL	2/3/4
SINGLE SOLAR PANEL SIZE	Length 1770 x width 1050mm

## STORAGE BATTERY

TYPE	SOLAR ENERGY STORAGE VOLTAGE
VOLTAGE	12V
BATTERY CAPACITY	60Ah
STARTING CURRENT	60A
NUMBER OF BATTERY	1/2/3(optional)
EMERGENCY TIME	≥ 8 hours/≥ 12 hours/≥ 15 hours(optional)

## LIGHT PANEL

LIGHT TYPE	LED
NUMBER OF LAMP HOLDERS	4/6
POWER OF ONE LIGHT	100W/150W/200W/300W(optional)
LUMINOUS FLUX	100lm/W
RADIATION RANGE	1000~2000m <sup>2</sup>
ROTATION ANGLE OF LIGHT	HORIZONTAL 360°/VERTICAL 90°ADJUSTABLE
WEIGHT OF LAMP PANEL	30kg

## LIFTING MAST

LIFTING METHOD	Pneumatic lifting
LIGHTHOUSE TELESCOPIC	7.5m/9m(optional)
CLOSED LENGTH	2m/2.8m
PACKING SIZE	300x320x3000mm
LIFTING ROD WEIGHT	25kg/40kg

## FULL LAMP CAR

MAX WORKING SIZE	2.8x3.5x9.1m
SHIPPING DIMENSION	1.6x1.5x2.8m
PACKING SIZE:	1.6x1.5x2.0m
WIND RESISTANCE	8
WHEEL	2
FIXED BRACKET	4
AUXILIARY OUTPUT SOCKET	2x16Amp.230V
OPERATING WEIGHT	830Kg (UNFUELED)



- ⦿ Stacked Household Energy Storage System
- ⦿ Integrated Household Energy Storage System
- ⦿ Wall-mounted Household Energy Storage System
- ⦿ Inverter Product Parameters

Super High Security  
Super Performance  
Simple and Compact Design  
Easy Installation



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Stacked Household Energy Storage System

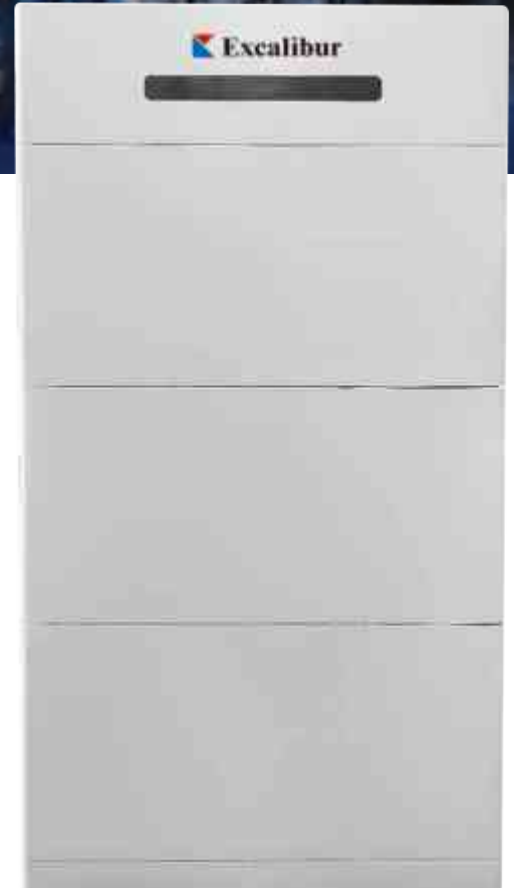
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Integrated Household Energy Storage System

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Wall-mounted Household Energy Storage System

# Stacked Household Energy Storage System



Number of modules	2	3	4
Nominal Capacity (kWh)	10.6 kWh	15.9 kWh	21.2 kWh
Recommended Max. Using Capacity (kWh)	9.0 kWh	13.5 kWh	18.0 kWh
Nominal Voltage	204.8V	307.2V	409.6V
Working Voltage Range	172.8V-230.4V	259.2V-345.6V	345.6V-460.8V
Maximum Charge and Discharge Power	6kW	9kW	12kW
Battery Type	LFP	LFP	LFP
Cell capacity	52Ah	52Ah	52Ah
Discharge rate	0.5C	0.5C	0.5C
Max. Charge and Discharge Current(A)	30A	30A	30A
Peak Power (Discharge Only)	7kW for 10s	7kW for 10s	7kW for 10s
Peak Current (Discharge Only)	35A for 10s	35A for 10s	35A for 10s
Power Display	4*LED (25%, 50%, 75%, 100%)		
Status Display	2*LED (work, alarm)		
Way of Communication	CAN, RS485	CAN, RS485	CAN, RS485
Working Temperature(°C)	from -20°C to 50°C		
IP Protection	IP65		
Working Humidity	from 5% to 95%		
Working Altitude	4000m		
Cycle Life	>6000 (70% EOL)		
Certification	IEC62619/ IEC60730/ EN61000/ UN38.3		
Alert	Over charge, over discharge, over current, over temperature, short circuit		
Warranty	10 years		
Dimension (L*W*H) (mm)	700*200*1000	700*200*1350	700*200*1700
Weight (kg)	115	165	215

## Super High Security

- IP65 Level Protection
- Vehicle-level safety monitoring
- Vehicle grade explosion-proof design
- Automotive grade AI BMS

## Simple and Compact Design

- Stackable Universal Design
- Solid Color Design
- Friendly and concise interface
- Flat, takes up less space

## Super Performance

- more than 6000 times life cycle
- Heating system allows working temperature from -20°C to 50°C
- 140% Overload capacity

## Easy Installation

- Floor/Wall Mount
- Connected by connector
- Flexible expansion, plug and play



# Integrated Household Energy Storage System



Maximum photovoltaic module power	7.5 kW
DC Input Voltage	145-1000V
MPPT Voltage Range	150-850V
Rated Input Voltage	620V
Maximum input current of each MPPT (A)	15
Short Circuit Current (A)	20
No. of MPPT	2
The maximum number of input strings for each MPPT	1
Rated grid-connected power (kW)	5kW
Maximum apparent AC grid power (kW)	5.5kW
Rated Frequency (Hz)	50Hz or 60Hz
Rated Grid Voltage Range (V)	3W/N/PE, 380/400
Maximum Current (Output to Grid)	8.5A
Grid Maximum Output Current	17A
Rated Power	5kW
Peak Output Power (W) @60s	10kW for 1min
Rated Voltage (AC) (V)	3W/N/PE, 380/400
Maximum Output Current (A)	8.5A
Nominal Capacity (kWh)	10.6kWh
Recommended Max. Using Capacity (kWh)	9.0kWh
Maximum Charge and Discharge Power	5kW
Max. Charge and Discharge Current(A)	25A
Rated Voltage (V)	204.8V
Working Voltage Range	179.2-230.4V
Peak Power (Discharge Only)	7kW for 10s
Peak Current (Discharge Only)	35A for 10s
Way of Communication	CAN, RS485
Working Temperature(°C)	from -20°C to 50°C
IP Protection	IP65
Working Humidity	from 5% to 95%
Working Altitude	2000m
Cycle Life	>6000 (70% EOL)
Certification	IEC62619/ IEC60730/ EN61000/ UN38.3
Warranty	10 years
Dimension (L*W*H) (mm)	1450*700*210
Weight (kg)	135

## Super High Security

- IP65 Level Protection
- Vehicle-level safety monitoring
- Vehicle grade explosion-proof design
- Automotive grade AI BMS

## Simple and Compact Design

- Stackable Universal Design
- Solid Color Design
- Friendly and concise interface
- Flat, takes up less space

## Super Performance

- more than 6000 times life cycle
- Heating system allows working temperature from -20°C to 50°C
- 140% Overload capacity

## Easy Installation

- Floor Mount
- Few external interfaces
- Easy distribution network
- Low cost of installation and commissioning

## Wall-mounted Household Energy Storage System



Battery Pack Model	5 Degrees Electric Wall-mounted
Type of Battery	LFP
Nominal capacity (Ah)	105
Nominal Voltage (V)	5
Total Storage Capacity (kWh)	3.2
Size (mm)	670*490*190 (w/o wheels)
Weight (kg)	≤ 55
Cycles	≥ 6000
Maximum Charging Voltage	3.65
Rated voltage (V)	51.2
Rated Power	168W
Allowable discharge temperature range	from -20°C to 60°C
Optimum discharge temperature range	15-35°C
Storage temperature	20°C-45°C (within one month) 20°C-35°C (within 6 months)
IP Protection	IP65

Model	5kWh
Recommended maximum PV input power	7500W
Maximum Photovoltaic Input Voltage	1000V
Starting Voltage	180V
Rated Input Voltage	600V
MPPT Voltage Range	150-950V
MPPT Voltage Range under Rated Power	210V-850V
No. of MPPT	2
The Max No. of Photovoltaic Groups per MPPT	1/1
Max. Photovoltaic Input Current	25A (12.5A/12.5A)
Max. Input Current	30A
Photovoltaic Short Circuit Current	32A (16A/16A)
Battery Type	Li-ion battery
Battery Voltage	150V-600V
Max. Input and Discharge Current	30A*30A*
Max. Input and Discharge Power	7500W/ 6000W
Rated AC Output Power	5000W
Max. AC Output Current	7.3A
Rated Voltage (AC) (V)	3W/N/PE, 220/380V; 230/400V; 240/415V
AC Voltage Range	270-480Vac
Rated Grid Frequency/Grid Frequency Range	50Hz/ 45-55Hz, 60Hz/ 55-65Hz
DC Current Injection	<0.5% In
Power Factor	>0.99/ 0.8 leading to 0.8 lagging
Max. Efficiency	98%
European Efficiency	97.20%
Power Supply Mode (Solar/Battery)	Transformerless
IP Protection	IP65
Working Temperature(°C)	from -25°C to 60°C
Allowable relative humidity range (non-condensing)	from 0% to 100%
Cooling Method	Natural convection
Working Altitude	4000m (>3000m derating)
Noise	30dB(A)
Monitor	LED
Communication	RS485, WLAN, Ethernet, CAN, 4xDI, 1xDO
Installation Method	Wall Mount Bracket
Dimension (L*W*H) (mm)	460*540*170
Weight (kg)	27



## Inverter Product Parameters

# Wall-mounted Household Energy Storage System

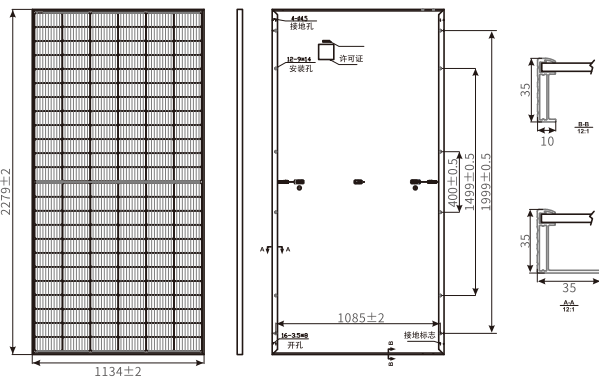
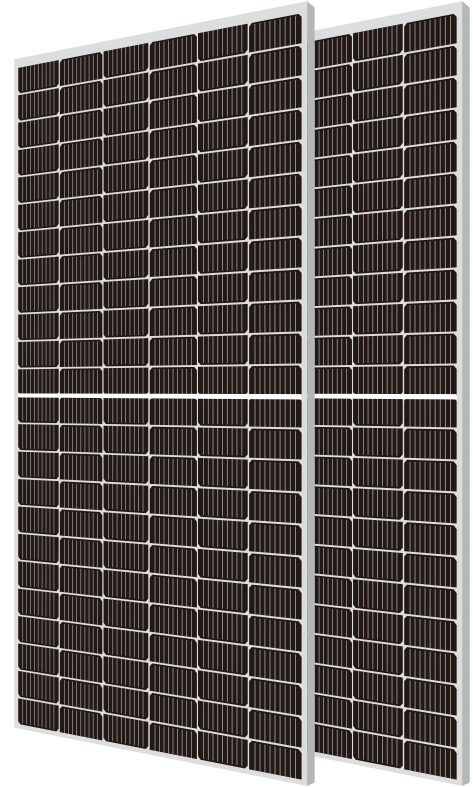
## Product Specification

Battery Type	Monocrystalline silicon
Module Weight	28.1kg
Module Size	2279 ± 2mm X 1134 ± 2mm X 35 ± 1mm
Cable Cross-sectional Area	4mm <sup>2</sup> (IEC), 12AWG (UL)
Battery Quantity	144 (6 X 24)
Junction Box	IP68 3 diode
Connector	MC4-EVO2/QC4.10-35
Cable Length (including connectors)	300mm (+) / 300mm (-)
Packaging Information	31pcs/plate, 620pcs/40HQ

## Electrical Parameters Under STC

Model	ZDNY-72H30M
Maximum Power (Pmax) [W]	550
Open Circuit Voltage (Voc) V	49.85
Operating Voltage at Max. Power (Vmp) V	41.95
Short Circuit Current (Isc) [A]	13.85
Operating Current at Max. Power (Imp) [A]	13.11
Module Efficiency [%]	21.3
Power Tolerance	0~+5W
Short Circuit Current Temperature Coefficient (a Isc)	+0.045%/°C
Open Circuit Voltage Temperature Coefficient (B_Voc)	-0.275%/°C
Temperature Coefficient of Max. Power	-0.350%/°C
Standard Test Conditions (STC)	Radioactivity:200W/m2, Battery Temperature: 25°C, Spectrum: AM1.5G

Note: The electrical performance parameters in this catalog do not refer to a single module, nor are the electrical parameters guaranteed in the contract, but are for comparison between different module types.



Note: Frame color and cable length can be customized upon request

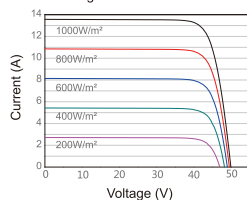
## Electrical Parameters Under Noise

Model	ZDNY-72H 30M-550W	System Voltage	1000V/ 1500V DC
Max. Power (Pmax) (W)	416	Operating Temperature	-40°C~+85°C
Open circuit voltage (Voc)	46.68	Max. Fuse Rated Current	25A
Working Voltage at Max. PPT (Vmp) V	39.43	Static Load, Front	5400Pa (113lb/ft <sup>2</sup> )
Short Circuit Current (Isc) (A)	11.17	Static Load, Rear	2400Pa (50lb/ft <sup>2</sup> )
Working Current at Max. PPT (Imp) A	10.55	Nominal Battery Operating Temperature	45±2°C
Battery Rated Operating Temperature (NOCT)	Radioactivity: 800W/m <sup>2</sup> [2>ambient temperature:20°C ,spectrum: AM1.5G, wind speed:1m/s<2]	Security Level	Second Category
		Fire Resistance	UL Type 1

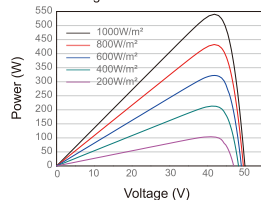
\* Static load performance for NetTracker installation method. The front load is 1800Pa, and the back load is 1800Pa.

## Characteristic Curve

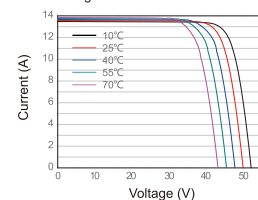
Current-Voltage Curve ZDNY-72H30M-540W



Power-Voltage Curve ZDNY-72H30M-540W



Current-Voltage Curve ZDNY-72H30M-540W





**Excalibur**

# EXCALIBUR POWER



**SPARE PARTS FOR S20 ENGINE**








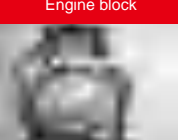




机体	进气	缸头	曲轴	正时齿轮	平键
 cylinder body	 cylinder head cover	 cylinder head	 crankshaft	 timing gear	 key
飞轮螺母	连杆	活塞	活塞环(套)	活塞销	活塞销卡簧
 nut	 connecting rod	 piston	 piston ring set	 piston pin	 piston pin clip
凸轮轴	调速齿轮轴	调速轴	调速齿轮总成	挺杆	化油器
 cams	 governor gear shaft	 governor arm shaft	 governor gear set	 tappet	 carburetor
汽油管	绝缘体	调速杆组件	杆弹簧	调速弹簧	调速器拉杆
 gasoline pipe	 insulator	 governor lever clip	 rod spring	 governor spring	 governor rod
进气门	排气门	气门弹簧	气门弹簧座	气门导管	调速手柄
 intake valve	 exhaust valve	 spring retainer	 valve retainer	 valve guide	 speed control clip

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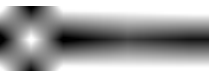














## DIESEL ENGINE SPARE PARTS

Element for 170F, 178F  001	Element for 186F  002	Fork lever assembly  003	Pad  004	Oil drain plug  005	Oil drain plug gasket  006	Flywheel  007
High pressure fuel pipe  008	Return spring  009	Piston  010	Piston ring  011	Piston pin  012	Retainer clip of piston pin  013	Oil pump  014
Oil dipstick  015	Oil filter cleaning element  016	Exhaust Intake Valve  017	Air cleaner  018	Recoil starter  019	Connecting rod AY  020	Connecting rod journal bearing  021
Fuel filter  022	Sealed ring  023	Injector Pump  024	Fuel injector gasket  025	Fuel injector pressure plate  026	Balancing shaft  027	Cylinder head gasket  028
Valve springs  029	Valve spring washer  030	Valve clearance adjusting screw  031	Valve spring seat  032	Valve Seal  033	Cylinder head cover  034	Cylinder head  035
Cylinder head screw gasket  036	Crankshaft  037	Governor gear  038	Speed operator  039	Tappet  040	Camshaft  041	Push rod  042
Crankcase cover  043	Crankcase cover gasket  044	Engine block  045	Muffler  046	Rocker arm  047	Fuel tank cock  048	Fuel controller parts  049
Fuel tank  050	Fuel filter  051	Lower fuel tank bracket  052	Fuel Injector  053	Gasket set  054	Bearing  055	Main bushing  056

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## TAMPING RAMMER SPARE PARTS

75 Gearbox	80 Gearbox	6305 bearing	Air Filter	Bottom Plate	Clamp
					
001	002	003	004	005	006
Clutch	Connecting Rod	Filter Element	Filter Element	Fuel Tank	Gasket for Rammer
					
007	008	009	010	011	012
Handle Shock Absorb Rubber	Hose from Filter to Carbureto	Rammer Bellow	Speed Control Cable	Spring for Rammer	Handle Knob
					
013	014	015	016	017	018
Speed Governor	Oil Cylinder	Rammer Cover			
					
019	020	021			





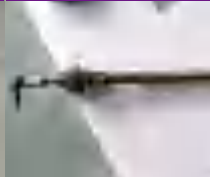


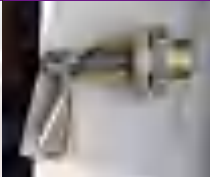







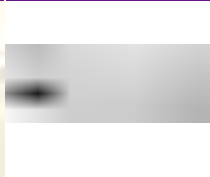




## POWER TROWEL SPARE PARTS

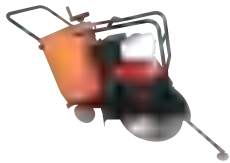
Belt Cover	Belt	BLADE ST30B ST36B ST120	Blade	Cable	Clutch
					
001	002	003	004	005	006
Cross Shaft	Gearbox	Gearbox	Gear	Handle	PAN
					
007	008	009	010	011	012

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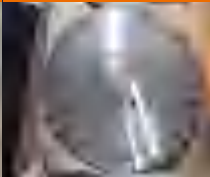





## PLATE COMPACTOR SPARE PARTS

16008Bearing	Belt Cover SC77W	Belt	Bottom Plate Shock Absorb Rubbe	Cable SC160B SC330B	Clutch for Diesel Plate Com-pactor
					
001	002	003	004	005	006
Ecc . rotary Shaft, drive	Ecc.rotary shaft, driven	Handle Pin SC160B SC330B	Pulley and Clutch SC90	Reversible Handle SC160B SC330B	Rubber Block SC60
					
007	008	009	010	011	012
Shock Absorb Rubber SC60	Shock Absorb Rubber SC100	Shock Absorber Rubber SC77W	Shock Absorber Rubber SC90	Speed Control throttle cable	Throttle Cable SC330B
					
013	014	015	016	017	018
Vibrator Assy SC100	Vibrator Housing SC90	Water Tank	Throttle Governor SC330B SC160B		
					
019	020	021	022		



## CONCRETE CUTTER SPARE PARTS

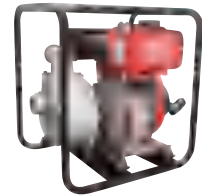
Concrete Cutter big whee (ALUMINUM)	concrete cutter small wheel (ALUMINUM)	400mm Cutter Blade	500mm cutter blade	BLADE SHAFT ASSY	Bearing seat
					
001	002	003	004	005	006
















## GENERATOR SPARE PARTS

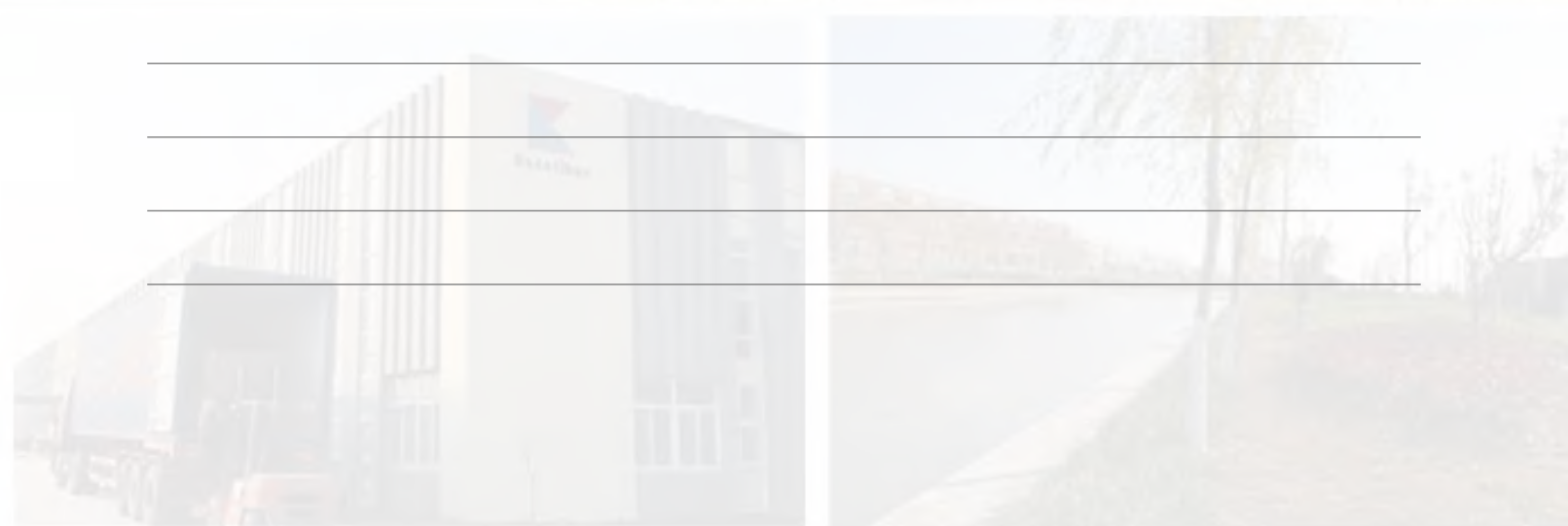
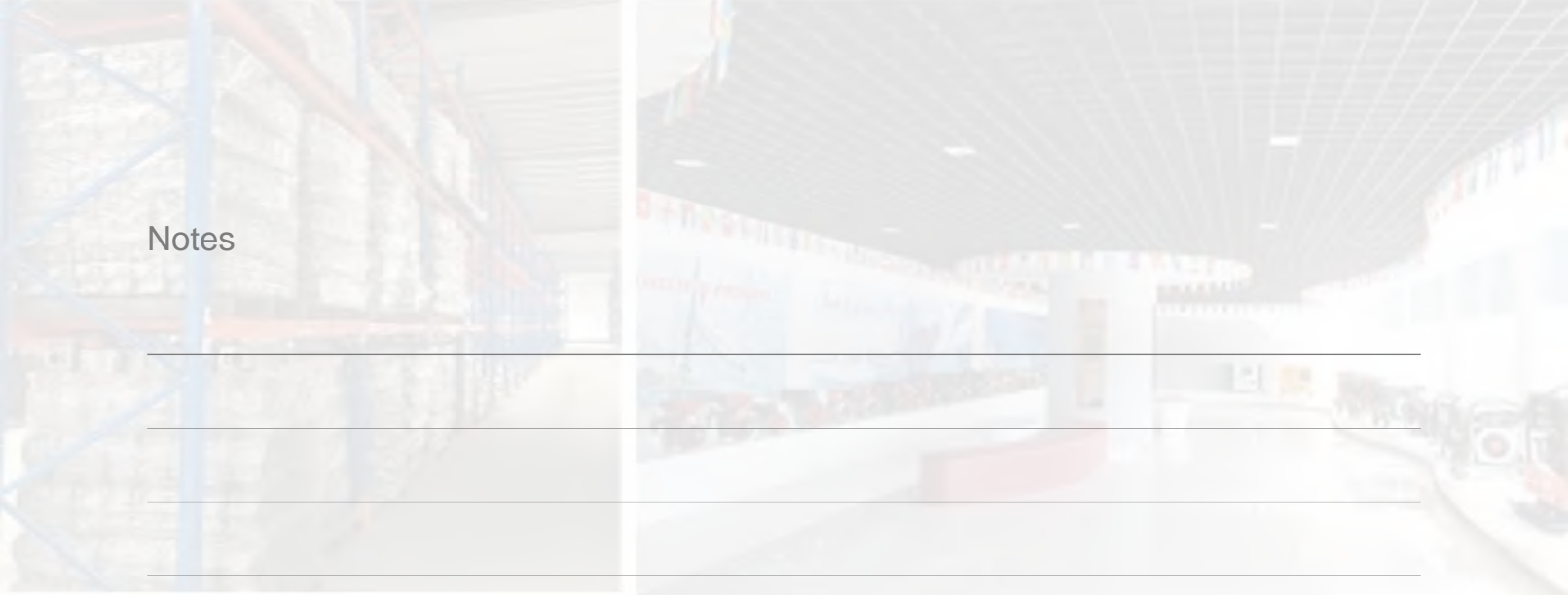
4 Inch Wheel	9 Inch Wheel	190 Alternator	204 Alternator	AVR	Battery
					
001	002	003	004	005	006
Carbon brush	Corrugated Pipe	Electro magnet	Flywheel Generator	Fuel tank	Funnel
					
007	008	009	010	011	012
Fuse	Motor Front Cover	Panel	Rectifier	Regulator	Rotor Assy
					
013	014	015	016	017	018
Shock Absorber Block	Starter Assy	Voltmeter			
					
019	020	021			



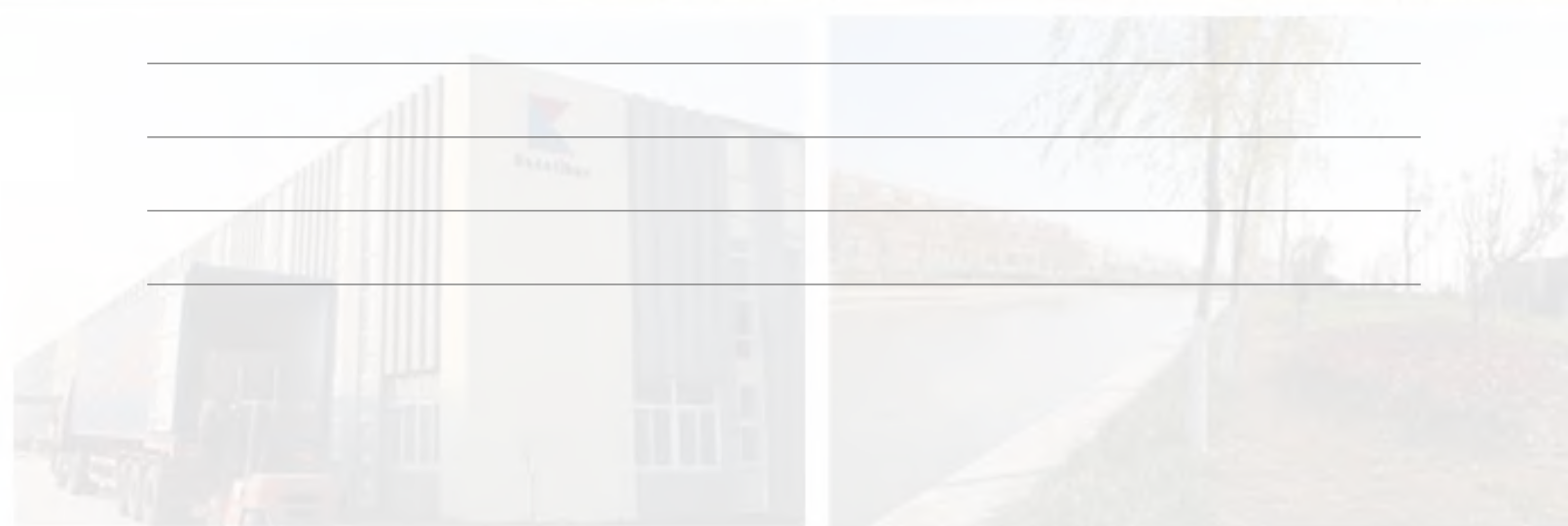
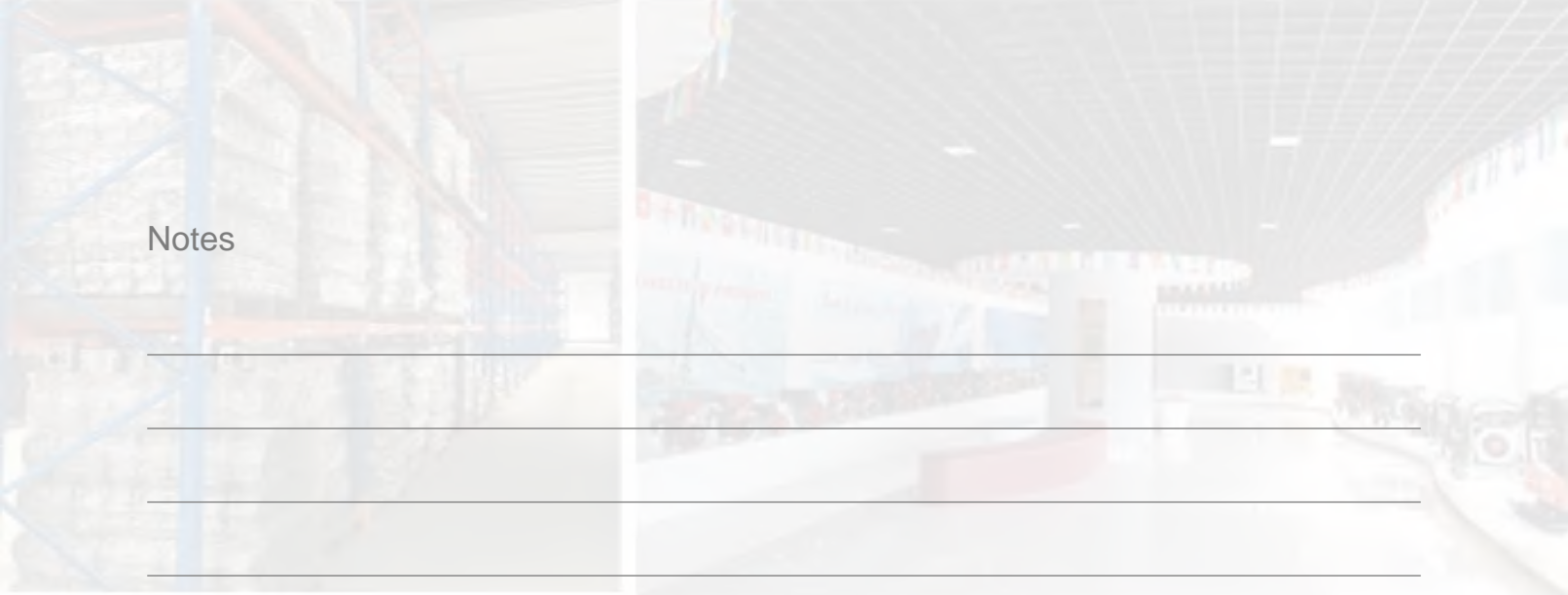
## PUMP SPARE PARTS

Barb Connector	Discharge Elbow	Flange	Flow Guidance Plate	Impeller	Mechanical Seal
					
001	002	003	004	005	006
O-ring Gasket	Pump body	Pump Frame- Big Fuel Tank Frame, Small Fuel Tank Frame	Seal Sets	Whole Pumpset	
					
007	008	009	010	011	

Notes



Notes





Creative  
**Cooperator**

Engines  
Generators  
Water Pumps  
Construction Equipments  
Agriculture Machinery  
Garden Tools



Market  
**Applications**

Farming  
Irrigation  
Planting  
Contractor Site  
Construction Site



Strategy  
**Partner**

Professional  
Passionate  
Cooperative  
Creative  
Communicative

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