

PROGEN

Generator

GROUP FEATURES	UNIT	PRIME	STAND BY
Power	kVA	455	500
Power	kW	364	400
Current	A	658	723
Standard Voltage	V	230/400	
Revolution Per Minute	r.p.m		1500
Rated at Power Factor	Q		0.8

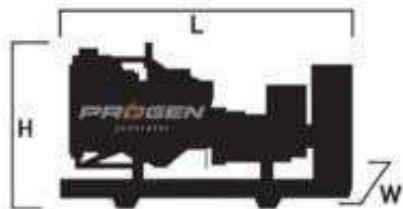
STANDBY POWER : Supplying of emergency electrical power at variable load, in the event of normal utility power failure. This rating is maximum power, no overload capability is available.

PRIME POWER : It is the continuous operating power under variable load. According to ISO 3046, 10% overload is allowed for 12 hours of operation.



STANDARD FEATURES	OPTIONAL EQUIPMENTS
<ul style="list-style-type: none"> • 4 Stroke, 1500 RPM, water cooled heavy duty diesel engine • Protection system on manual run • Flexible oil pipes and oil draining valve • Pre-heater • Lubrication oil and anti-freeze • 4 Poles, synchron type, single bearing, brushless alternator • Batteries and cables • Electrostatic paint coated, steel, welded chassis • Fuel tank housed in the chassis • Industrial type silencer • Electronic battery charger • Electrical wiring diagram • User manual and operating manual 	<ul style="list-style-type: none"> • Sound proof canopy • Automatic transfer switch • Circuit breaker • Trailer • External fuel tank • Heating system for fuel tank • Oil heater • Fuel filling system • Automatic / Manual • Analog indicators • 1 Phase – 3 Phase switch plugs • Alarm system for fuel level • Remote control and monitoring

DIMENSIONS AND WEIGHT



Length(L) : 3400 mm

Height (H): 1900 mm

Width (W): 1300 mm

Weight (Kg): 2960 kg

Fuel Tank Capacity (L): 380 L

DIMENSIONS AND WEIGHT



Length (L): 4000 mm

Height (H): 2200 mm

Width (W): 1300 mm

Weight (Kg): 3420 kg

Fuel Tank Capacity (L): 380 L

ENGINE SPECIFICATIONS

Brand		SHANGAI PRE.	Electrical system	VDC	24
Model		SC13H516	Mineral oil capacity	L	26
Engine Power Stand by	(kWh /hp)	450 / 603	Coolant capacity	L	55
Revolution Per Minute	(r.p.m)	1500	Fuel tank capacity	L	295
Total Displacement	(L)	13,74	Max. exhaust gas temperature	°C	650
Cylinders Orientation		6 SINGLE ROW	Max. exhaust gas flow	M3/h	3197
Bore * Stroke	(mm xmm)	135 X 165	Max. back pressure	kPa	7
Compression Orientation		17:01	Cooling fan flow	M3/min	480
Governor Type	Mechanical		Fuel consumption 50%	L/h	36,1
Aspiration System	Turbocharger + Intercooler		Fuel consumption 75%	L/h	54,2
Spray Pattern	Mechanical		Fuel consumption 100%	L/h	72,3
Cooling	Water Cooled				

· Replaceable wet cylinder liners

· Dry type replaceable air filter

· Radiator that can cool up to 50 °C

ALTERNATOR FEATURES

Output Voltage	V	230 /400	Overload Runtime		%110 for 1 hour
Frequency	Hz	50	Power Factor		0,8
Permanent Voltage Reg.	±	%1	Total Harmonic Distortion Ratio	Cos Q	< %1
Short Circuit Current		%300 (10 dk.)	Connection style		STAR
Insulation		H	Number of Poles		4
Protection Class		IP 23	Number of Beds		ONLY
Yield	%	88			

· 4-pole, self-excited and cooled, brushless synchronous alternator · Electronic type automatic voltage regulator (YES)

CONTROL PANEL FEATURES

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| <ul style="list-style-type: none">· Diesel and gas generator support· 400 Hz generator support· 400x measurement values· All parameters can be changed from the front panel· 3-level program password· 128x64 pixel graphic LCD· Language installation· Current-voltage waveform· Current-voltage harmonic analysis· Synchroscope and sync relay· 16 Amp / 250V SK / JK outputs· 8 programmable digital inputs· Entries can be increased to 40· 4 programmable analog inputs· CANBUS-J1939 & MPU input· 3 programmed service alarms· Multiple automatic test report· weekly work schedule· Dual generator support, equal aging· Fine speed tuning (some ECUs)· Automatic fuel pump control· Protections cancellation feature· Over power protection· Reverse power protection· Overcurrent IDMT protection | <ul style="list-style-type: none">· Load shedding dummy load· Multiple load shedding programs· Current unbalance protection· Voltage imbalance protection· Fuel filling and fuel run alarms· Battery powered real time clock· Idle speed control· Battery charging work· Multiple nominal requirement definitions· Contactor+motorized switch driving· 4 quarter energy meters· Grid energy meters· Fuel meter· Fuel consumption meter· Modem & Ethernet pages· Parameter setting via USB, RS-485 Ethernet and GPRS· Possibility of control via SMS· Mobile generator support· Automatic GSM geolocation· GPS connection (USB and RS232)· Dynamic DNS support· Downloading software via USB· IP65 protection with standard gasket· Battle mode support |
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