



TM

(Hubli) LTD



TM

Shines Forever

*

Go Green

With Sun Power

*

Entered Power Generation field in 2004 for manufacturing DG sets from 2.5kVA to 125kVA & above. The plant is an integrated manufacturing facility equipped with the modern technology including advanced equipments for sheet metal fabrication, powder coating and state of art PLC Based Testing Facility.

We are Original Equipment Manufacturers (OEM) for Escorts Diesel Generators from 10kVA to 45kVA and Volvo-Eicher Diesel Generators from 50kVA to 125kVA.

Lower range Diesel Generators are powered by reputed Chetak Air Cooled and Water Cooled Engines from 2.5kVA to 15kVA which are world class engine with low maintenance high fuel efficient with low noise levels. The wide range of Generators manufactured at NGEF's Subsidiary, SS Power Tech Industries Pvt. Ltd., and Marketed & Serviced by NGEF (Hubli) Ltd., through its India network of sales and services offices.

Escorts Generator sets (10kVA to 45kVA)

Setting new performance standards

- State of the art ADI+ technology for unmatched power and diesel economy
- Plateau-honed wet liners for low lube oil consumption
- Designed for 100% continuous operation and longer service intervals
- Class A1 governing with 4% Regulation that gives stable operation in fluctuating load conditions
- Efficient cooling mechanism and no frequent top-ups

Escorts Silent DG sets. The most advanced in its class

Smart operation

- Euro II complaint Engines
- Microprocessor based auto-start controller for AMF operation
- Remote start and stop facility
- In-built event log(optional)

Environment-Friendly

- Less noise with low vibrations
- Cleaner emissions
- Meets CPCB norms A

Safe-to-use

- Inbuilt safety features like HWT, LLOP, LFL, CHF & RWL
- Equipped with fire-retardant foam

Versatile

- Compact
- Easy access to all service points
- Compatible with any AMF/PIU logic controller

(HWT- High Water Temperature, CHF- Charging Failure, RWL-Radiator water level, LLOP-Low Lube Oil Pressure, LFL-Low fuel level, ADI-Advanced Direct injection)



Technical Specification

DG Set Model	Units	SSPT-15*	SSPT-20*	SSPT-25*	SSPT-30*	SSPT-40*
Rating	KVA	15	20	25	30	40
Canopy Size	L x B x H (mm)	2300x930x1385	2400 x 930 x 1385			2500 x 930 x 1385
Battery	Ah	88/100		100/120		120
Starting System	-	12volt DC				
Weight(Approx)	kg	900	1000	1050	1050	1075
Fuel tank capacity	litres	250				
Engine model		G-15	G-20	G-25	G-30	G-40
Rated power	bhp	22	28	35	43	58
Rated speed	RPM	1500				
No of cylinders		2	3	3	3	4
Bore	mm	102	91	105	105	91
Stroke	mm	120	110	120		110
Total displacement	cc	1960	2146	3120	3120	2860
Specific fuel consumption	g/bhp/hr	160	152	155	155	150
Lube oil consumption	%of fuel	0.1				
Compression Ratio		17.5:01				18.5:01
Aspiration		Natural				Turbo changed
Cooling System		Water or coolant				
Flywheel		SAE3/SAE10				
Housing/Flywheel						
FIP		MICO Bosch-inline Pump, Mech-A1 governing				
Emission Norms		CPCB Complaint				
Alternator						
Type		Brushless, H Class Insulation				
Frequency	Hz	50				
Voltage	Volts	230/415				

Warranty

Warranty clause governs for manufacturing defect for **TWO** Years from the sale or 2500 engine hours whichever occurs earlier

Volvo Eicher Generator set (50kVA to 125kVA)



Engine Specifications

Engine Models	EE483TC	EE483TCI	EE683TC	EE683TCI
Power (Gross) Hp	68	88	107	135
kVA	50	62.5	82.5	100
No. of Cylinder	4	4	6	6
Nature of Aspiration	Turbo	Turbo Intercooler	Turbo	Turbo Intercooler
Displacement (Ltrs)	3.3	3.3	4.95	4.95
Bore X Stroke(mm)	100x105	100x105	100x105	100x105
Cooling Systems	Liquid	Liquid	Liquid	Liquid
Electrical System	12 V	12 V	12 V	12 V
Flywheel HSG/Flywheel	SAE 2/11.5	SAE 2/11.5	SAE 2/11.5	SAE 2/11.5
SFC(GMS/Hp-Hr)	149*	147*	151*	150*
Lub Oil Consumption (% of Fuel Consumption)	<0.05	<0.05	<0.05	<0.05
Lub Oil Capacity (Ltrs)	12.5	12.5	16	16
Coolant Capacity (Ltrs)	14	14	18	18
L x B x H (mm)	1392x820x1229	1392x820x1229	1392x820x1229	1392x820x1229
Dry Weight of the Engine (Kg)	360	370	510	5209

• 75% LOAD TOLERANCE +5%

NOT: Power rating as per standard reference condition as per BS 5514/ISO 3046/ ISO 8528

• Reference condition 27°C Ambient Temp, 100 KPA(750mm of Hg) Atmospheric Condition and 60% Humidity- As per IS 10002, ISO 3046

• Fuel Consumption of Genset @75% of load is consuming specific gravity of fuel as 0.8355 at NTP condition. Tolerance will be ±5%

Advantages

- High power to weight ratio
- Compact size
- Better fuel economy
- Easy serviceability
- Lube Oil Cooler In- built
- less Vibrating
- high Torque at low RPM
- 500 Hours of Lube oil Change Period

Standard scope of Supply

- Engine with the cooling system
- Engine pedestal
- Flywheel and Flywheel Housing
- Air cleaner Mounted on the engine
- Engine with first fill of lube oil and coolant
- Fuel filter
- digital Engine safety unit
- Wiring

Warranty

Warranty clause governs for manufacturing defect for **TWO** Years from the sale or 2500 engine hours whichever occurs earlier

Generating sets with technical advancements:- our power generating sets are engineered to meet the international standards. Conforming to highest standards of quality.



General Description

The Sun Power Brand Diesel power generating sets comprises of Chetak Air/ Water cooled diesel engine directly coupled to an alternator through a flexible coupling on a sturdy channel steel base frame. Great care is taken during assembly of the generating sets to ensure perfect alignment. The standard control panel is supplied on request with each generating sets for proper load indication and protection from overloading. All items like alternators, control panel etc. undergo rigorous checks before assembly.

Engines

Chetak Vertical Water Cooled/Air Cooled Diesel engines of International Repute, are Manufactured under strict quality control at various stages and tested as per IS: 11170-1985. These engines are tout stroke, cold start, direct injection type. The engines are well balanced single cylinder/ twin cylinder having excellent speed regulation characteristics. The fuel consumption of these engines is minimum and gives Maximum efficiency at full load.

Application

Three phase and Single phase diesel power generators have wide range of applications: Petrol pumps, construction site, Hospitals, Poultry Farms, Offices, Department Stores, Theaters, Mobile units, Power Looms, Hotels.

Standard Equipment

Set of Spanners, Starting handle, Exhaust silencer, Air cleaner, Screw-Driver, operator's manual

Technical Specification

BHP	kW	R.P.M	Cooling	No. of cylinders	kVA	Phase	P.F	kW	Volts	Amps	Fre. HZ
5	3.7	1500	Ac	Single	2.5	Single	1	2.5	240	10.4	50
6.5	4.8	1500	Ac	Single	3.5	Single	1	3.5	240	14.6	50
8	5.9	1500	Ac/Water	Single	5	Single	1	5	240	20.8	50
10	7.4	1500	Ac/Water	Single	6	Single	1	6	240	25	50
13	9.56	1500	Ac/Water	Twin	7.5	Single	0.8	6	240	31.3	50
16	11.8	1500	Ac/Water	Twin	10	Single	0.8	8	240	41.7	50
16	11.8	1500	Ac/Water	Twin	12.5	Three	0.8	10	415	17.39	50
20	14.75	1500	Ac/Water	Twin	15	Three	0.8	12	415	21	50

Warranty

Warranty clause governs for manufacturing defects for **TWO** Year from the sale or 2500 engine hours whichever occurs earlier.



Special Features

- Considerable fuel economy
- easy maintenance
- efficient, Reliable and safe in operation prompt after-sales-service

Manufactured By,
SS Power Tech Industries Pvt Ltd.,

Marketed By,
NGEF (HUBLI) LTD.,

(Registered & Head Office)
P. B Road, Rayapur
Dharwad-580009, Karnataka
Phone no.:- 0836-2322389
Mobile no.:- 09483674910/09845568155
Telefax:- 0836-2322656
E-mail:- mktnggef@yahoo.com
ngefhub@sancharnet.com
ngefhubli_50@yahoo.com
Website: www.ngefhub.com

Branch Offices:

BANGA LORE :

Mysore Lamps & Works Complex,
Old Tumkur Road,
8th Main, Malleswaram West,
BANAGALORE - 560 055
Ph : (080) 22115708, Cell No.:9845568155
Fax : (080) 22115708
E-mail: ngefhubli_50@yahoo.com

MUMBAI :

3rd Floor, ION House,
Dr.E.Mosses Road, Mahalaxmi,
MUMBAI -400 011.
Ph : (022) 2495 1783 , Cell No.:9967624115
Fax :(022) 2495 1783
E-mail : sukumar2411@redifmail.com

NEW DELHI :

Natarajan,Sf2,adharshila Apartment -1
10/15a Sector 3,Rajinder Nagar
Sahibabad - 201005
Dist-ghaziabad,
Ph.No - 09958902991
Fax : (011) 2539 7763
E-mail : ngefnewdelhi@yahoo.com

KOLKATA :

Ground Floor , 7-B, Middleton Street,
KOLKATA -700 071.
Ph : (033) 2282 2279 , Cell No.: 9831106570
Fax : (033) 2282 2279
E-mail : ngefhubli_kol@yahoo.co.in