

STAUNCH POWER GENERATORS

A leading provider of power solutions to over **60 countries** around the world including the Middle East ,South africa and Australia.





STAUNCH
MACHINERY

— SINCE 1979 —



A leading provider of power solutions to over **60 countries** around the world including the Middle East, South Africa and Australia.

STAUNCH POWER GENERATION

is a subsidiary of the AL-Nahda Industrial Group and Staunch Machinery, dedicated to producing top quality power generator sets, Welding Machines, Lighting Towers, and solutions in the field of Power and Energy Generation. Benefiting from the 45 years of experience that Staunch and Al- Nahda share in the Construction Equipment and Power Generation markets. Staunch Power Generation is a Division highly occupied in offering top line Gensets powered by the best engine makers in the world, such as, Perkins and Cummins. Last but not Least it is the sole Distributer of YANMAR engines in Lebanon which is testament to the fact that Staunch Machinery offers nothing but the best for its customers.

We are a Customer Oriented Company focused on satisfying our Customer's need for Energy in the most efficient and cost effective way possible. Our Power Generation products are totally customizable to fit every customers shape and need, along with state of the art testing methods that allow our Staunch Service team to fully test every unit before leaving the factory with a Load Test Certificate and Owner's Manual.

Whether it is a need for Light, Electricity, Welding Power or any kind of Energy, **Staunch Machinery Power Generation** will provide all your Energy needs.

Generator Design And Features

- 2mm Steel Powder Coated Canopy
- 4 mm Steel Powder Coated Base Frame
- Reinforced Forklift Pockets
- Digital fuel sensors
- Remote monitoring

Optional Design features Include:

- Fully Customisable Canopy Design
- Single, Double or Quad Lift point design.
- Document Pocket for Service Manuals
- Bundled Fuel Tank (@ 110% Capacity)
- Drag Bar
- Guarding and Shielding According to AS4024
- Removable Canopy
- Battery Isolator Switch
- Battery Clamps

External power sockets

- Built in ATS

Super Tank (100 IT)

STANDARDS

All generators comply with international design and quality standards such as ISO8528 (GB/T2820-97), ISO3046, EN60034, BS5000, IEC34-1, VDE0530, NEMA MG1-23, GB755, CSA22-2, AS1359, as well as the requirements of ISO9001, CE and TUV quality and safety management standards.

POWER DERATING

Below 40 C in temperature and an of altitude 1000m, the genset can output 100% power. When the genset works in high temperatures and Altitudes: Derate 2.0% per 300m elevation above 1000m up to maximum elevation of 2450mm. If the altitude is more than 2450m, please contact us or our dealer for help. Temperature: derate 4.0% per 5 C temperature above 40C.

PRODUCTS

We offer a comprehensive range of generator sets, silent type, open type, trailer type and lighting towers to provide continuous prime or standby power.

The generator set is normally supplied for 380/400/415/514 Volt, 3 phase, 4 wires, 50/60Hz power. Other Voltage & Frequency settings are also available according to customer's requirements.

FACTORY TESTS

Each generator undergoes a 1-hour factory load test at 25%, 50%, 75%, 100% and 110% duty and all protection devices and control functions are simulated and checked as part of factory testing regulations. A test certificate is provided when the generator is shipped.

WARRANTY

A guarantee of 1000 working hours or 12 month from B/L shipping date, whichever comes first. Warranty will be invalid if the customer disobeys the instructions outlined in the operation and maintenance manual. This is supported by our SERVICE AND WARRANTY GUIDE.

CONTROL SYSTEM

STAUNCH gensets are equipped with Deepsea control systems manufactured in the UK as standard. The Control System is easy to operate, reliable, safe and powerful in its functions with a start control model and remote control system.

DEEPSEA Control Systems.
Equipped with Battery Charger as an option
(Also available To Customer's specification)

control system	DSE3110	DSE6110	DSE7320	DSE8610
Generator sets	optional	optional	optional (AMF)	Synchronising



DSE3110



DSE6110



DSE7320



DSE8610

Basic Function of control Systems

Technical Data

Control system		DSE3110	DSE6110	DSE7320	DSE8610
AMF		X	X	■	■
Paralleling		X	X	X	■
Monitor Function	Genset voltage	■	■	■	■
	Genset current	■	■	■	■
	Genset Frequency	■	■	■	■
	Genset speed	■	■	■	■
	Genset Output power	X	X	■	X
	Genset power factor	X	X	■	X
	Genset run hours	■	■	■	■
	Oil pressure	■	■	■	■
	Water temperature	■	■	■	■
	Battery voltage	■	■	■	■
Fuel level	■	■	■	■	
Protection	Mains voltage	X	X	■	X
	Mains frequency	X	X	■	X
	Mains current	X	X	■	X
	Low oil pressure	■	■	■	■
	Water temperature high	■	■	■	■
	Over speed	■	■	■	■
	Battery charge failure	■	■	■	■
	Reverse power	X	X	X	■

STAUNCH STY SERIES GENERATOR SETS



YANMAR

Japanese Engines.
powered by

Staunch is a Certified OEM manufacturer for Yanmar powered Generator sets ranging from 9 KVA up to 60 KVA. Yanmar Powered Gensets are known for their high levels of Durability, and performance in extreme weather conditions.



Technical Data

Genset Specifications		Engine Specifications						Open Type			Silent Type		Control Panel
Genset		Engine Perkins			Cylinder			Fuel	Dimensions & Weight		Type & Dimensions		Model
Type	ESP KVA	PRP KVA	Standby KW	Engine Model	Type	Cubic cap.	Stroke	Consumption @ 75% load	LxWxH cm	Kg	Canopy Type	LxWxH cm	Type
STYG9	10	9	8	3TNV76	3L	1.13L	81	2Lit/hr	120x77x96	400	STS	240x100x122	Auto DSE6110
STYG13	15	13	12	3TNV88	3L	1.64L	90	2Lit/hr	120x77x96	400	STS	240x100x122	Auto DSE6110
STYG20	22	20	17.6	4TNV88	4L	2.21L	100	3.6Lit/hr	120x77x96	460	STS	240x100x122	Auto DSE6110
STYG35	40	35	30	4TNV98	4L	3.3L	127	5.4Lit/hr	150x95x116	520	STS	280x110x125	Auto DSE6110
STYG45	50	45	40	4TNV98T	4L	3L	127	8.2Lit/hr	155x95x118	800	STS	280x110x125	Auto DSE6110

STAUNCH STP SERIES GENERATOR SETS



UK Engine
powered by :



Technical Data

Specifications		Engine Specifications							Open Type			Silent Type		Panel
Genset		Engine Perkins			Cylinder				Fuel	Dimensions & Weight		Type & Dimensions		Model
Type	ESP KVA	PRP KVA	Standby KW	Engine Model	Type	Cubic cap.	Bore	Stroke	Consumption @ 75% load	LxWxH cm	Kg	Canopy Type	LxWxH cm	Type
STPG9	10	9	8	403C-11G	3L	1.13L	77	81	2Lit/hr	120x77x96	400	STS	240x100x122	Auto. DSE6110
STPG13	15	13	12	403C-15G	3L	1.13L	84	90	2Lit/hr	120x77x96	400	STS	240x100x122	Auto. DSE6110
STPG20	22	20	17.6	404C-22G	4L	2.21L	84	100	3.6Lit/hr	120x77x96	460	STS	240x100x122	Auto. DSE6110
STPG30	33	30	30	1103A-33G	3L	3.3L	105	127	5.4Lit/hr	150x95x116	520	STS	280x110x125	Auto. DSE6110
STPG45	50	45	40	1103A-33TG1	3L	3.3L	105	127	8.2Lit/hr	155x95x118	800	STS	280x110x125	Auto. DSE6110
STPG60	66	60	52.8	1103A-33TG2	3L	3.3L	105	127	11.3Lit/hr	166x95x123	800	STS	330x110x125	Auto. DSE6110
STPG80	80	80	70.4	1104A-44TG2	4L	4.4L	105	127	10.4Lit/hr	183x92x123	1080	STS	350x115x163	Auto. DSE6110

STAUNCH STP SERIES GENERATOR SETS



UK Engine
powered by :



Specifications		Engine Specifications							Open Type			Silent Type		Control Panel
Genset		Engine Perkins			Cylinder				Fuel	Dimensions & Weight		Type & Dimensions		Model
Type	ESP KVA	PRP KVA	Standby KW	Engine Model	Type	Cubic cap.	Bore	Stroke	Consumption @ 75% load	LxWxH cm	Kg	Canopy Type	LxWxH cm	Type

STPG80	88	80	70.4	1104A-44TG2	4L	4.4L	105	127	11.3Lit/hr	183x92x123	1080	STS	350x115x163	Auto. DSE6110
STPG100	110	100	88	1104C-44TAG2	4L	4.4L	105	127	17.1Lit/hr	185x95x127	1150	STS	365x115x163	Auto. DSE6110
STPG135	150	135	120	1106TAG	6L	6.6L	105	127	24.1Lit/hr	230x104x134	1250	STS	420x125x170	Auto. DSE6110
STPG150	165	150	132	1106TAG3	6L	6.6L	110	127	31.5Lit/hr	230x104x134	1300	STS	420x125x170	Auto. DSE6110
STPG200	220	200	176	1306C-E87TAG3	6L	8.7L	116.6	135.9	40Lit/hr	250x100x165	2100	STS	455x140x200	Auto. DSE6110
STPG250	275	250	220	1306C-E87TAG6	6L	8.7L	130	157	50Lit/hr	255x110x170	2715	STS	480x145x210	Auto. DSE6110
STPG300	330	300	264	1606A-E93TAG5	6L	9.3L	117	146	53Lit/hr	196x107x135	2715	STS	480x145x210	Auto. DSE6110
STPG385	385	350	308	2206C-E13TAG2	6L	12.5L	130	157	55Lit/hr	318x122x197	2715	STS	570x160x245	Auto. DSE6110
STPG400	440	400	352	2206C-E13TAG3	6L	12.5L	130	157	62Lit/hr	320x122x201	3450	STS	605x160x269	Auto. DSE6110
STPG450	500	450	352	2506A-E15TAG1	6L	15.2L	137	171	73Lit/hr	342x130x205	3790	STS	630x165x277	Auto. DSE6110
STPG500	550	500	440	2506A-E15TAG2	6L	15.2L	137	171	81Lit/hr	342x130x205	3950	STS	630x165x277	Auto. DSE6110
STPG600	660	600	528	2806A-E18TAG1A	6L	18.1L	145	183	90Lit/hr	355x146x205	4700	STS	650x200x277	Auto. DSE7220
STPG650	715	650	572	2806A-E18TAG2	6L	18.1L	160	190	97Lit/hr	390x154x220	4750	STS	650x200x280	Auto. DSE7220
STPG750	825	750	660	4006-23TAG2A	6L	22.9L	160	190	119Lit/hr	423x160x220	6644	STS	626x244x282	Auto. DSE7220
STPG800	880	800	704	4006-23TAG3A	6L	22.9L	160	190	132Lit/hr	423x160x220	6644	STS	626x244x282	Auto. DSE7220
STPG1000	1100	1000	880	4008-8TAG2A	8L	30.6L	160	190	163Lit/hr	540x165x220	9750	STS	1223x244x289	Auto. DSE7220
STPG1250	1375	1250	1100	4012-46TWG2A	12V	45.8L	160	190	196Lit/hr	560x220x220	9750	STS	1223x244x289	Auto. DSE7220
STPG1500	1650	1500	1320	4012-46TAG2A	12V	45.8L	160	190	226Lit/hr	570x220x235	11500	STS	1223x244x289	Auto. DSE7220
STPG2200	2000	2200	1600	4012-TAG2A	16V	61.1L	160	190	304Lit/hr	612x232x296	15150	STS	1223x244x289	Auto. DSE7220
STPG2420	2200	2420	1760	4016-61TRG3	16V	61.1L	160	190	346Lit/hr	612x232x296	15300	STS	1223x244x289	Auto. DSE7220

TELECOM POWER SOLUTION



Staunch Machinery in cooperation with Staunch Power Generation has become a major supplier and partner for Telecom Service Providers in the field of BTS Power Supply. Staunch now produces a range of Generator Sets that are specifically used for Telecom Power supply. With Features such as Remote Monitoring by GSM modem, Automatic Transfer Switches, Super integrated fuel Tanks that reach capacities of 1200 Liters, Automatic Oil Levelling systems, Hybrid Power Packs for up to 90 % fuel saving and all weather Super Silent canopies for urban locations.

Staunch Power Generators also meet strict Australian EMC (Electro Magnetic Compliance) guidelines and are C-tick approved. This certification guarantees that all Staunch Power Generators do not cause electro-magnetic interference with sensitive telecommunication equipment.

POWER GENERATORS FOR TELECOMMUNICATION PURPOSES

Generator Specifications 15-20KVA Perkins/ Yanmar :

Generators enclosed in a sound and weather proof canopy-attenuated to 72 (DBA) @ 1 meter.

General / Standards	
Engine Manufacturer & Model	YANMAR- Perkins (Original engine with certificate of origin)
Frequency / Cycle	50 Hz – 1500 rpm
Prime Rating	13.1 – 17.5KVA
Stand-by Rating	14.5 – 19.5KVA
Altitude	2500 m
Speed variation	1% from no load to full load
Prime Brake Horse Power	
Bore - Stroke	84x90 mm
Number of Cylinders	3 / 4 or as manufacturer
System LubricationCapacity	6 liters
Aspiration	Naturally aspirated
Water coolant Thermostat	As per manufacturer
Combustion system	Indirect injection
Total coolant Capacity	6 liters
Mechanical compliant with	ISO 3046, Class A1 and ISO 8528 pt 5, Class G2
Filtration system	Cartridge type dry air filters with restriction indicator. Cartridge type fuel filters and full flow lube oil filters
Alternator Manufacturer & Model	Stamford
Drip Proof	IP 23
Voltage Rating	380/220 volts. 3 phase 4 wire
Voltage Regulation / P.F	1.0% from no load to full load and from 0.8 PF lagging to unity PF
Electrical design accordance with	BS5000 part 99, IEC341, VDE0530, UTE51100, NEMA MG
Total harmonic distortion	Less than 1.8 %at no load
Alternator temperature	Limited to class H insulation - 125 degree
Ambient Temperature	Ambient temperature 45 degree
Overload Capability	10% for 1 hour in 12 hours, 160 % for 10 sec.
Radio Interference compliance	BS800 and VDE Class G & N



GENERATOR SET SPECIFICATIONS:

Engine and alternator are directly coupled and mounted on heavy duty steel frame.

The genset includes the following:

Steel base frame with antivibration mountings.

- Attached tropical radiator with engine driven fan and protective guards.
- (12) V DC starter motor and charge alternator.
- (12) V DC starting battery "Lead Acid" mounted onto a rack and cabled.
- Lube oil drain taps with extended flexible drain pipe.
- Split element fuel filters.
- Flexible fuel lines.
- Mechanically governed cassette type fuel injection pump.
- Spin on full lube oil filters.
- Standard dry type air filter.
- 1000 hr Warranty
- Engine protection.
- Low lube oil pressure sensor.
- High water temperature sensor.
- 12 volt shut off solenoid energized to run
- Supplied separate fuel tank 40 lit or 1000 lt
- Exhaust silencer isolated flexible connection to limit vibration between engine and silencer.
- (Exhaust silencer should be fitted on the outside of the canopy as fitting on the inside will require the protection of a temperature insulating sheet to avoid overheating).



CONTROL PANEL SPECIFICATIONS:

Control panel mounted on the side of the canopy. It features the following:

- Digital Volt meter on 3 phase. (By controller).
- Digital Current meter on 3 phase. (By controller).
- Digital Hour run meter.(By controller).
- Digital Lube oil pressure gauge. (By controller).
- Digital Water temperature gauge.(By controller).
- PLC Manual /Auto start control module.
- Protection & electric start board (type STAUNCH BY STC).
- Surge arrestor on 3 phase input @ controller.

Indicating Alarms on the control module with immediate shutdown for:

- Low oil pressure
- High coolant temperature
- Over /under speed
- Over/ under-voltage
- Emergency stop push button on the Canopy.
- One Set mounted molded case circuit breaker, (3x32A,).
- Rated for alternator protection against overload and short circuit.
- Full schematic diagrams.
- Circuit Breakers- fuse holders -junctions and relays by Schneider / Schrack



HYBRID GENERATOR BATTERY SYSTEMS

SINCE 1979

STAUNCH®

For off-grid applications powered by diesel generators, move to cyclic operation to save costs



powered by diesel generators

Telecommunication operators in Africa, India and other developing countries face severe challenges in powering mobile base stations (BTS) sites in remote areas. In many cases the sites are simply too far from the AC grid for AC mains powering to be economic. Other sites have AC power, but it is extremely unreliable. These sites are often powered by small diesel generator sets, running continuously. Sealed lead acid (VRLA) batteries provide back up power to generator maintenance, start up and cover the occasional case when fuel runs out.

Ongoing costs are high, & include:

Direct fuel cost

- Truck rolls. Refueling is usually needed every one or two weeks, at a high cost for very remote sites.
- Generator maintenance.
- Generator replacement. In continuous duty a small generator may only last two years.
- By changing the way the generator is controlled, an operator can achieve significant savings in running costs. This is referred to as "hybrid operation", where the generator only runs part of the time, and the battery runs the load while the generator is off.

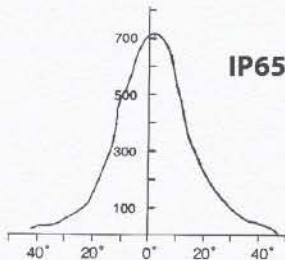


MOBILE POWER STATIONS WITH SYNCHRONIZATION PANELS

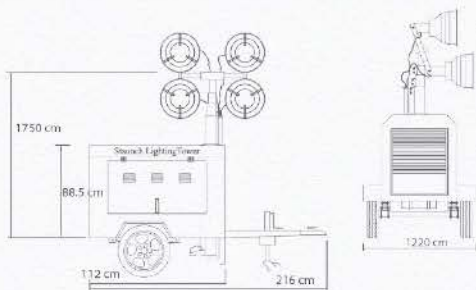
STAUNCH Mobile Power Systems with Synchronization panels are ideal for power rental. With the ATS and Synchronization panels, maximum efficiency is achieved along with maximum output from 100 up to 2250 K.V.A



STAUNCH LIGHTING TOWER ST4000LP/L/STN



Light distribution curve (cd/100lm)



Technical Data

Main Specifications	ST4000Y	ST4000L	ST4000STN
Engine			
Engine Brand	Yanmar 3TNV70	Lombardini/ 6LD400	Staunch SDE6700 En
Type	Water cooled diesel engine	Air cooled diesel engine	Air cooled diesel engine
Engine Speed	rpm 1500	3000	3000
Frequency	Hz 50	50	50
No. of Cylinders	3 in line	1 in line	1 in line
Rated Power	KVA 7.5	6	6
	KW 6	4.8	4.8
Fuel Consumption @50% load	L\h 1.2	1.1	1.2
Electrical			
Altomator model	Staunch SLG 164 D / LSA37M7	Lombardini meccalte S16W-150W-150/2	Staunch
Circuit	Hard wired	Hard wired	Hard wired
Volatage	VAC 110/220	115/230	115/230
Dimaension			
Height: Mast Lowered	mm 2450	2450	2450
Height: Mast Rasied	mm 8000	6000	6000
Width	mm 1270	1220	1220
Wheels and tiers	inch 13	13	13
Tower			
Rotation	180	180	180
Lighting	4x1000 watt metal halide fixtures	4x400 watt metal halide fixtures	4x400 watt metal halide fixtures
Rising methods	Autamatic	Autamatic	Autamatic
Stabalizer			
	Five point designer	Three point designer	Three point designer
	Tow rear 2 front and tongue jack	Tow rear and tongue jack	Tow rear and tongue jack

STAUNCH DIESEL WELDING MACHINE STDWL500

STAUNCH DIESEL WELDING MACHINE STDWL300



Welder technical specifications

Main Specifications	STDWL500		STDWL300	
Engine Brand	Perkins 1103-33G		Lister Peter LPW4 / Yanmar 3TNV88	
	4 POLES		2 POLES	4 POLES
Alternator Type	LINZ/LINZ/PROW18 500DC		LINZ/E1W13S/2 300DC	LINZ/ E1W13S/4 200DC
No load voltage	Vdc	72	80	80
Regulation range	Aac	35+500	35+300	35+200
Max. current at	Aac	35% 500	300	200
Max.current at	Aac	60% 390	240	160
Welding voltage	Vdc	20+40	21+28	21+30
Electrode diameter (rutile,basic, cellulosic, inox)	mm	+8	1+5(6)	1+4
Max driving power	KW	26	12,4	7,3
Welding specifications:	LINZ/PROW18 500DC		LINZ/E1W13S/2 300DC	LINZ/ E1W13S/4 200DC
Frequency	Hz	60 50	50	60
Revolutions per minute	Rpm	1800 1500	3000	3600
Single phase power	Kva	7.9 6.5	4	4.8
Three-phase power	Kva	19.2 16	8.5	10.2
Voltage	Vac	127/220 230/400	230/400	127/220
Power factor		0.8 0.8	0.8	0.8
Max driving power	Kw	14 16.8	8	9.5
Weight	kg	226	85	88.5

INVERTER IG2400S IG3600S

IG2400S

Technical Data

UP MODEL	SPECIFICATION
	Frequency: 50Hz
	Rated output: 1.8KW
	Max. output: 2.0KW
	AC output voltage: 230V
	DC Output: 12V/5A/60W
IG2400S	Rated Voltage: 230V
	Rated Current: 7.8A
	Engine: UP160F /3.4hp
	Engine speed: 3200-4800rpm (L) -4300- 4800rom (H)
	Engine type: Single cylinder,4 stroke, air-cooled,OHC
	STARTING SYSTEM: RECOIL START
	Fuel tank: 4.5L
	Displacement capacity:113cc
	Lubrication oil volume: 0.11 Gallon
	Noise level: 90dB(A)
	Continuous work: 4H



IG3600S

Technical Data

UP MODEL	SPECIFICATION	
	Frequency: 50Hz	
	Rated output: 2.8KW	
	Max. output: 3.1KW	
	AC output voltage: 220V	
	DC Output: 12V/8.3A	
IG3600S	Engine: UP170	
	Engine speed: 2400-3800rpm (L) -3600-3800rom (H)	
	Max. Output: 7.0Hp/3600rpm	
	Engine type: air-cooled, 4 stroke,OHV gasoline engine	
	Fuel tank: 10L	
	Displacement capacity: 208cc	
	Lubrication oil volume: 0.6L	
	Noise level: 93dB(A)	
		Continuous work: 5H



**GASOLINE
GENERATOR
GG2800
GG3400+E+B**



Technical Data

UP MODEL	SPECIFICATION	UP MODEL	SPECIFICATION
	Frequency: 50Hz		Frequency: 50Hz
	Rated output: 2.0KW		Rated output: 2.6KW
	Max. output: 2.2KW		Max. output: 3.0KW
	AC output voltage: 230V		AC output voltage: 230V
	DC Output: 12V/8.3A		DC Output: 12V/8.3A
GG2800	Max. output: 5.5Hp/3600rpm	GG3400+E+B	Max. output: 7.0Hp/3600rpm
	Engine: UP168-1		Engine: UP170
	Engine type: air-cooled, 4 stroke, OHV gasoline engine		Engine type: air-cooled, 4 stroke, OHV gasoline engine
	Fuel tank: 15L		Fuel tank: 15L
	Displacement capacity: 163cc		Displacement capacity: 208cc
	Lubrication oil volume: 0.6L		Lubrication oil volume: 0.6L
	Noise level: 95dB		Noise level: 96dB
	Continuous work: 11h		Continuous work: 11h
	Net weight: 39kg		Net weight: 44.2KG

**GASOLINE
GENERATOR
GG4600+E+B
GG6300+E+B**



Technical Data

UP MODEL	SPECIFICATION	UP MODEL	SPECIFICATION
	Max. output: 3.8KW		Frequency: 50Hz
	AC output voltage: 230V		Rated output: 5.0KW
	DC Output: 12V/8.3A		Max. output: 5.5KW
	Max. output: 9.0Hp/3600rpm		AC output voltage: 230V
	Engine: UP177		DC Output: 12V/8.3A
GG4600+E+B	Engine type: air-cooled, 4 stroke, OHV gasoline engine	GG6300+E+B	Max. output: 13.0Hp/3600rpm
	Fuel tank: 25L		Engine: UP188
	Displacement capacity: 270cc		Engine type: air-cooled, 4 stroke, OHV gasoline engine
	Lubrication oil volume: 1.1L		Fuel tank: 25L
	Noise level: 96dB		Displacement capacity: 389cc
	Continuous work: 10h		Lubrication oil volume: 1.1L
	Net weight: 67kg		Noise level: 97dB
			Continuous work: 10h
			Net weight: 73.3kg

ST AUNCH DIESEL GENERATOR SDE 6700T



Technical Data

Model No.	SDE 6700T	Model No.	SDE 6700T
Frequency (Hz)	50 60	Engine	
Max. AC output (kw)	5.5 6.0	Model	SU186FAG
Rated AC output (kw)	5 5.5	Type	Single - cylinder
DC output V-A	12/8.3		vertical,4-stroke, Air -
Rated voltage (v)	230/115 240/120		cooled, diesel engine
Power factor ϕ	1.0	Displacement cc	418
Phase	Single phase	Rated output ps/rpm	8.84/3600
Excitation system	Transistorized	Fuel tank capacity (L)	15
	self-excitation and	Lube. oil capacity (L)	1.65
	constan voltage (AVR)	(hr est.on rated load)	12 hours
Dimension(LXWXH)(mm)	910x520x740		
Net weight Kg	171		

ST AUNCH DIESEL GENERATOR SDE 6700 EN



Technical Data

Model No.	SDE 6700 EN	Model No.	SDE 6700 EN
Frequency Hz	50 60	ENGINE	
Max.AC output Kw	5.5 6	Model	SU186FAG
Rated AC output Kw	5 5.5	Type	Single-cylinder,
DC output V-A	12/8.3		vertical,4-stroke,
Rated voltage V	230/115240/120		Air-cooled,diesel
Power factor (cos ϕ)	1		engine
Phase	SINGLE - PHASE	Displacement cc	418
Excitation System	transistorized self -	Rated output ps/rpm	8.84/3600
	excitation constant	Fuel tank capacity L	15
	voltage(AVR)	Lube.oil capacity L	1.65
Dimensions (LxWxH) mm	910x520x740	Operational capacity	12hours
Net weight Kg	171	(hr est. on rated load)	

STAUNCH DIESEL GENERATOR KDE7000STA



Technical Data

Generating set	KDE7000STA		Generating set	KDE7000STA	
Hz	50/60				
kVA	4.5	5		19:1	
KW	4.5	5	KW	5.7	6.3
kVA	5	5.5		Pressure splashed	
KW	5	5.5			
V	115/230	120/240	L	1.65	
A	39.1/19.6	41.7/20.8		12V Electric system	
r/min	3000	3600	V-KW	12V 0.8KW	
			V-A	12V 3A	
	KT5		V-Ah	12V 36Ah	
	2		g/KW.h	275.1	281.5
	Single phase			Engine fuel consumption:0	
COS ϕ	1.0			Common panel	
	B			2-Single phase	
				Without	
	KM186FAGET			DC socket output	
	Single cylinder, in-lined, 4-stroke, air cooled, direct-injected		dB(A)	72	
			L	15	
mm	86×72		mm	870×645×710	
L	0.418		kg	170	

TDE7500ST

More rubber and sponge are put inside the cabinet to absorb noise whilst two fans inside work to expel heat. As a result, a super silent generator is born with a noise level rating of 65DB at 7 meters.



TDE7500ST

Generating set	
Frequency Hz	50 60
Rated AC output kW	5.5 6.0
DC output VA	12/8.3
Rated voltage V	230/115 240/120
Power factor(cos φ	1.0
Phase	Single-phase
Excitation system	Transistorized self-excitation Constant voltage (AVR)
Dimensions(Lx W x H)mm	1080 x 580 x 770mm
Dry weight(electric)kg	171
Engine	
Model	SU186FAG
Type	Single-cylinder, vertical,4 stroke Air-cooled direct injection
Displacement cc	418
Rated output ps/rpm	8.84/3600
Fuel tank capacity l	15
Lube. oil capacity l	1.65
Operational capacity(hr est. on rated load)	12 hours



Military
Use Generator sets

STAUNCH POWER GENERATORS

Powered by    

STAUNCH - LEBANON - Head Office:

lebanon, Saïda, Ghazieh Main Road
Tel/Fax: 00961 7 724013 - 00961 7 722022
Mobile: 00961 3 246635
wissam@staunchmachinery.net
hamza@staunchmachinery.net

STAUNCH - USA:

5180Holt Blvd Montclair, CA91763
Tel/Fax: (909)900-0000
Mobile: 562-6444455

STAUNCH - Australia:

2 Bell St, Preston, Victoria, 3072
Tel: + 61 3 9484 0880
Fax: + 61 3 9484 1881
Mobile: +61410122111
wally@multiyuiipaus.com.av

STAUNCH - Angola:

AV.Deolinda Rodrigues, 1BT LUANDA-ANGOLA
N Contribuinte: 5402160201
Maveis: 943 80 80 - 913 22 22 30
angola@staunchmachinery.net

STAUNCH - Zambia

Plot 397A, Makene, off Kafue road.
Lusaka, Zambia.
Tel: 0026 0211274222

STAUNCH - Uganda:

Address 6TH street, industrial area
Kampala - Uganda
Tel: + 256700566666
+ 256701500000
Po box: 2533