

# Standby

Power Generators & Electrical Services

FZC



## Power Generator & Power Sub Station and Electrical Panel



MADE IN  
UK

**Standby**  
Power Generators & Electrical Services

FZC



 **Perkins**<sup>®</sup>



 **LEROY  
SOMER**<sup>®</sup>

**STAMFORD**  
power generation



**Schneider**  
Electric

**Himel**

**RR** KÄBEL  
WIRES & CABLES

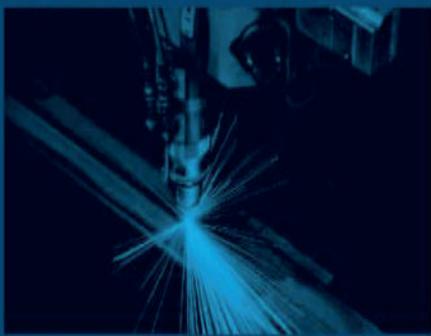
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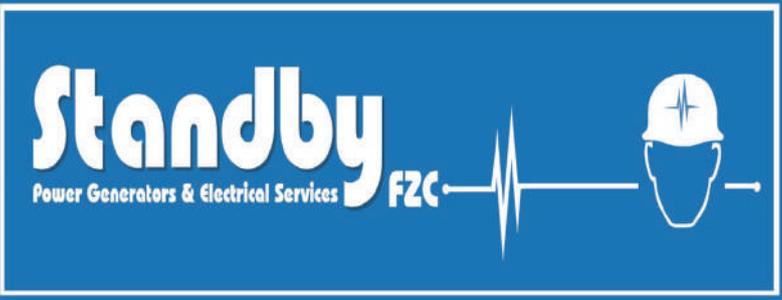
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OUR HERITAGE



STANDBY FZC founded in 2011 located at Saifzone, Sharjah United Arab Emirates.

STAND BY FZC is a company specializing in the sale and installation of generators (diesel generators) for different sizes (10KVA-2250KVA) of global brands (Perkins, Cummins)

also

Supply ATS ( Automatic transfer switch) Panel and synchronizing panel and MDB (main distribution board).

Service and maintance for the generator

Supply spare parts for the generator

Working for the STAND BY FZC professional team of engineers and technicians to carry out installation and maintenance.

### INDUSTRIES CATERED



Bank



Corporate



Government



Infrastructure



Information Technology



Manufacturing



Hotel



Industry



Data Centre



Telecom



Hospital



WE USE BELOW RAW MATERIAL FOR OUR GENSET



## ENGINE

### FEATURES

- Best in class fuel efficiency
- Designed to provide low cost of ownership, simple maintenance and reduced downtime
- Compact size
- Longer engine overhauling period
- Highest horse power in the power generation application segment
- Higher block load capacity
- Fuel pre-filter with water separator

## ALTERNATOR



- Brushless type 4-Pole, screen protected, revolving field
- Self excited alternator conforming to IS/IEC 60034-1
- Insulation Class-H
- Standard degree of protection Ip23
- Solid state Automatic voltage regulator
- Integration with epoxy varnish
- Better motor starting capability
- Stator winding design for improved harmonics

## CONTROLLER



### AMF Controller

- Safety for Over / Under Voltage / Frequency / Speed
- Overload, Canopy Fan Fault, Load Imbalance,
- Low Lube Oil Pressure, High Cylinder / Water Temperature,
- Low Fuel Level, Radiator Coolant low, Charging Alternators etc



# GENERATORS



# GENERATORS



## TECHNICAL SPECIFICATION - PERKINS GENSET

### GENSET

Model No.	15	20	30	45	60	80	100	135	150	180	200	250	300	400	500	600	650	750	1010	1250	1500
Prime (KVA)	15	20	30	45	60	80	100	135	150	180	200	250	300	400	500	600	650	750	1010	1250	1500
Prime (KW)	12	16	24	36	48	64	80	108	120	144	160	200	240	320	400	480	520	600	808	1000	1200

Control Panel	Options Available for AMF/Manual Control										Options Available for AMF/Manual Control										
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Acoustic Insulation	PU FR- Acoustic Foam										PU FR- Acoustic Foam										
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DG Dimensions in mm	L	2000	2000	2100	2750	2750	3350	3350	3800	3800	3800	3800	3800	3800	5500	5550	5550	5550	7000	7200	12192	12192
	B	1000	1000	1000	1000	1000	1150	1150	1150	1150	1500	1500	1500	1500	2000	2000	2000	2000	2100	2250	2438	2438
	H	1300	1300	1300	1600	1600	1770	1770	1900	1900	1900	1900	1900	1900	2235	2340	2340	2340	2250	2520	2895	2895

### ENGINE

Engine Brand	PERKINS										PERKINS										
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Engine Model	403A-15G2	404A-22G1	1103A-33G	1103A-33TG1	1104C-44TG2	1104A-44TG2	1104C-44TAG2	1106A-70TG1	1106A-70TAG2	1106A-70TAG3	1106A-70TAG4	1206A-70TTAG3	1506A-E88TAG5	2206A-E13TAG5	2506A-E15TAG2	2806A-E18TAG1A	2806A-E18TAG1A	2806A-E18TAG5	4008-30TAG2	4012-46-TAG0A	4012-46-TAG2A
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No. of Cylinders	3	4	3	3	4	4	4	6	6	6	6	6	6	6	6	6	6	6	8	12	12
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Engine BHP (gross)	18	25	37.8	56.6	73.7	98	125.5	164.5	182.4	234	239.8	335	399	493	605	721	783	882	1206	1492	1785
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Compression Ratio	22.5:1	23.3:1	19.25:1	17.25:1	18.2:1	17.25:1	17.2:1	18.2:1	16:1	16:1	16:1	15.8:1	16.1:1	16.3:1	16:1	14.5:1	14.5:1	14.5:1	13.6:1	13:1	13:1
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Bore x Stroke (mm)	84x90	84x100	105x127	105x127	105x127	105x127	105x127	105x135	105x135	105x135	105x135	105x135	112x149	130x157	137x171	145x183	145x183	145x183	160x190	150x190	160x190
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Type of cooling	Water Cooled										Water Cooled										
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Engine Electrical System	12 / 24 Volts DC										12 / 24 Volts DC										
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### ALTERNATOR

Phase	1 Phase / 3Phase										3Phase										
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Voltage	240 V / 415 V AC										415 V AC										
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Power Alternator Type	Single Bearing, Brushless, Insulation Class H										Single Bearing, Brushless, Insulation Class H										
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Power Factor	0.8 lag										PRIME POWER (PRP)										
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Rated speed / Freq	1500 RPM / 50 / 60 Hz																				
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- Applicable for supplying power to varying electrical load for
- Unlimited hours. Prime Power (PRP) is in accordance with ISO 8528.
- 10% overload capability is available in accordance with ISO 3046, AS 2789, DIN 6271 and BS 5514.



## SILENT TYPE GENERATOR SET FEATURES

Acoustic Enclosure is made from CRCA Sheet & Sheet Metal Base Frame.

Polyester Powder Coating.

In side Silencer for Reduce Sound Level.

Specially Designed to meet sound Level of 75db @1mtr.

Stainless Steel Door Lock & Hinges.

Center Point Lifting Arrangement.

Forklift Pockets.

Thermally Insulated Engine Exhaust System.

Emergency Stop Push Button is Installed Outside of the Canopy.

Compact Size for Higher Stuffing.

Designed to have Optimum Serviceability.

## OPEN TYPE GENERATOR FEATURES

The Complete Generator is Mounted on a Heavy Duty Fabricated Steel Base Frame.

Anti Vibration Pads are Fixed between The Engine / Alternator Feet & Base Frame.

Base Frame Design incorporates an Integral Fuel Tank, Large External Fuel Tank Option is available.

Dial Type Fuel Gauge & Drain Plug on The Fuel Tank.

Panel Mounted on Base Frame.

Base Frame & Panel Painted with Anti Corrosion Paint.



WE USE BELOW RAW MATERIAL FOR OUR GENSET



**ATS Control Panel**, offered by us, is a high performance digital controller used to change the supply power and generator supply. Our ATS Control Panel has an automatic transfer switch that is required in case of emergency power usage in buildings. ATS Control Panel, offered by us, can automatically transfer load from mains power supply to emergency power. In normal conditions when the main power supply fails or voltage drops below 80% of normal voltage, ATS Control Panel that we offer will auto start emergency generator set after a preset. Our ATS Control Panel is available in different colors and packaging. For emergency power usage in building, auto transfer switch (ATS) is essential.



Synchronizing Panel are mainly designed and used to meet power system requirements. These panels provide manual as well as automatic function for one or more generator breaker. They are widely used in synchronizing generators and offering multi flexing solutions. It shall be as specified in paragraph Panels and shall provide controls, gauges, meters and display to include.



## SERVICE AND MAINTENANCE



- **Maintenance**

Our Maintenance team is committed to provide you with the highest quality of service and repair, Support. We offer a variety of maintenance contracts that 24/7 with prompt response that includes cater to each customer's needs. Not only do we offer diverse packages of service and maintenance contracts, but we also tailor to each customer's needs by developing on demand customized contracts.

- **Genset Repair**

We offer variety of innovative and cost effective solutions from a normal service up to major overhauling replacement of all the defected parts, repairing of pumps, cleaning or engine heads and radiators, and using genuine spare parts to ensure long term reliable operations.

- **On-Call Services**

Our on-call service is supported 24 hours per day by a team of highly skilled service Technicians and Technical Managers with a comprehensive electrical and mechanical knowledge of power generation failures and repairs. Their experience and commitment enable us to provide a professional and efficient service to all customers regardless of whether we are supporting a single standby generator or a multiple set base load paralleling or syncho system.



## GALLERIES



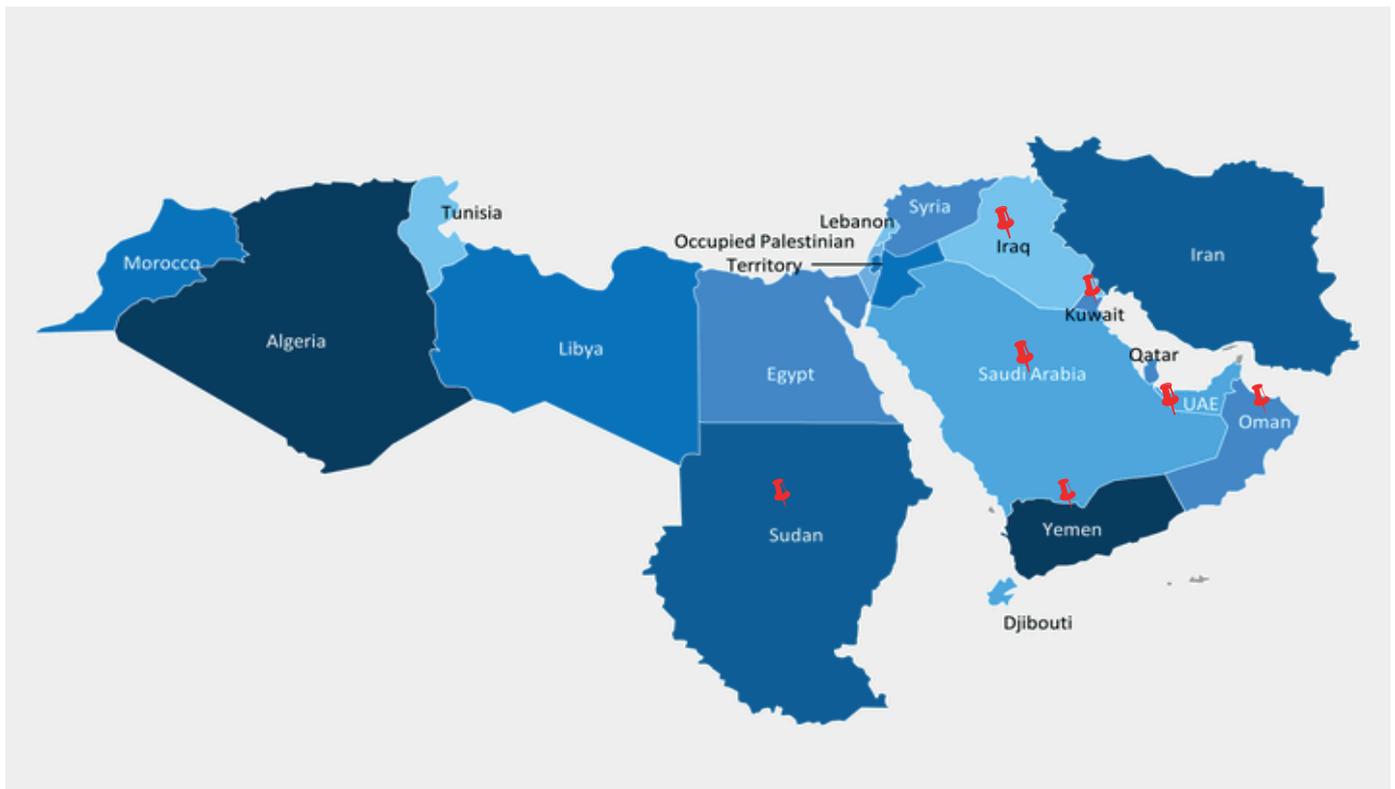




## GALLERIES



## COUNTRIES OF OUR CLIENTS



- **Iraq**
- **Kuwait**
- **Saudi Arabia**
- **UAE**
- **Oman**
- **Sudan**
- **Yemen**

**MORE THAN 250 GENSETS PER YEAR**



**STANDBY FZC**

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