



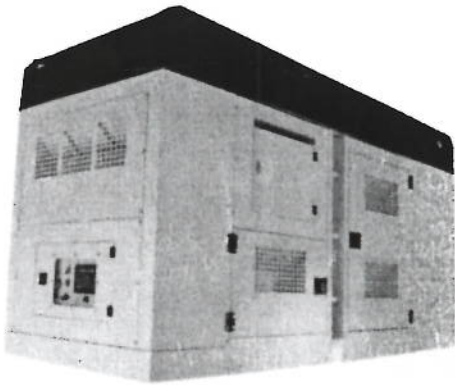






# Perkins Power Generator

## 65KVA/52KW



### Features

- ◆ Perkins engine 1104A-44TG1
- ◆ Leroysonmer alternator TAL-A44-C
- ◆ Deepsea Controller DSE6120
- ◆ MCCB Breaker
- ◆ Base fuel tank
- ◆ Emergency stop button, alarm, panel light
- ◆ 12/24V maintenance free battery, battery wires
- ◆ Float battery charger
- ◆ Battery isolator switch
- ◆ Powder coated canopy
- ◆ Radiator with engine driven fan mounted
- ◆ Anti-vibration mountings
- ◆ Silencers with flexible connects and elbow
- ◆ Test report, drawing, operation and maintenance manual

### Genset Main Data

<b>Genset Model</b>		<b>MCT2P</b>
<b>Prime Power</b>	52KW /65KVA	
<b>Standby Power</b>	58KW / 72KVA	
<b>Frequency/Speed</b>	50HZ/1500rpm	
<b>Standard Voltage</b>	400/230V	
<b>Power Factor</b>	0.8	
<b>Phases</b>	Three phases, four wires	
<b>Fuel Cons. (L/H)</b>	110% prime power	16.5
	100% prime power	14.8
	75% prime power	11.2
	50% prime power	8
	Open	Silent
<b>Dimensions(L×W×H)mm</b>	1800×730×1250	2420×960×1350
	960	1650
<b>Base Fuel Tank (L)</b>	130	150

Prime Power is available for an unlimited number of annual operating hours in variable load applications, in accordance with ISO8528-1. A 10% overload capability is available for a period of 1 hour within 12-hour period of operation. In accordance with ISO 3046-1.

Standby Power Rating is applicable for supplying emergency power in variable load applications for up to 200 hours per year in accordance with ISO8528-1. Overload is not allowed.





Alternator Model	TAL-A44-C
Brand	Leroysonmer
Output Power(Kva)	85
Voltage Control	AVR
Number of Phase	3
Power Factor (Cos Phi)	0.8
Insulation Class	H
Protection	23
Altitude	≤ 1000 m
Number of Pole	4
Bearing	Single
Connection	Series Star
Coupling	Direct

**Alternator Data**

Engine Model	1104A-44TG1
Brand	Perkins
Engine Speed	1500rpm
Gross Prime Power(kw)	59.6
Bore and Stroke	105*127
Cy/No. and Arrangement	Water-cooled, 4-stroke, 4-Cylinders Vertical in-line
Displacement(L)	4.4
Compression Ratio	17.25:1
Lub oil Capacity (L)(Total system)	8
Coolant Capacity (L)(With radiator)	13
Aspiration	Turbocharged
Governor Type	Mechanical
Starter (V)	12

**Engine Data**

## Control System



### Deepsea Panel Model

DSE6120

#### KEY FEATURES

- 4-line back-lit LCD text display
- Multiple display languages
- Five-key menu navigation
- LCD alarm indication
- Customisable power-up text and screen images.
- DSENet® expansion compatibility
- Data logging facility
- Internal PLC editor
- Protections disable feature
- Fully configurable via PC using USB communications
- Front panel configuration with PIN protection
- Power save mode
- 3-phase generator sensing and protection
- 3-phase mains (utility) sensing and protection (DSE6120 MKIII only)
- Generator current and power monitoring (kW, kvar, kVA, pf)
- Mains (utility) current and power monitoring (kW, kvar, kVA, pf) (DSE6120 MKIII only)

The DSE6120 MKIII will monitor the mains (utility) supply. The modules include USB connection and dedicated DSENet® terminals for system expansion. This module is compatible with electronic (CAN) and non-electronic (magnetic pick-up/alternator sensing) engines and offer an extensive number of flexible inputs, outputs and extensive engine protections so the system can be easily adapted to meet the most demanding industry requirements. The extensive list of features includes enhanced event and performance monitoring, remote communications & PLC functionality.

The modules can be easily configured using the DSE Configuration Suite PC software. Selected front panel editing is also available.

## Optional

- Genset
  - Trailer
  - Dual frequency (50/60hz both)
  - Customised canopy design
  - Special required sound level
  - 50°C ambient temperature
  - Synchronization system
- Exhaust System
  - Customised exhaust connection way

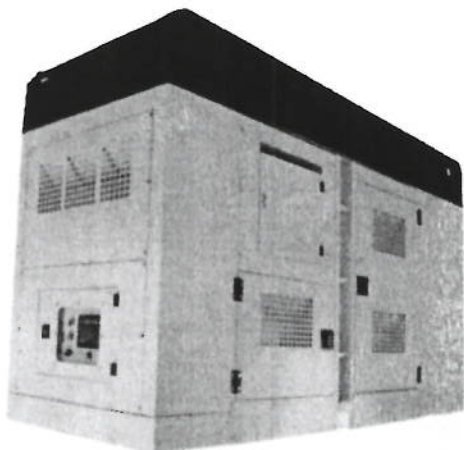
- Fuel System
  - Dual wall base fuel tank
  - Enlarge base fuel tank
  - External daily fuel tank
  - External Fuel Pump
  - Low fuel level alarm
  - Automatic fuel feeding system
  - Fuel three-valves
- Controller
  - Remote control system
  - Synchronization controller
  - ATS

- Alternator
  - PMG
  - Drop kits
  - Anti-condensation heater
  - Winding temperature measuring instrument
  - Single phase
  - Double bearing
  - Anti-damp and anti-corrosion treatment
- Engine
  - Water jacket preheater
  - Lub oil heater
  - Electronic governor



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# 225KVA/180KW



## Features

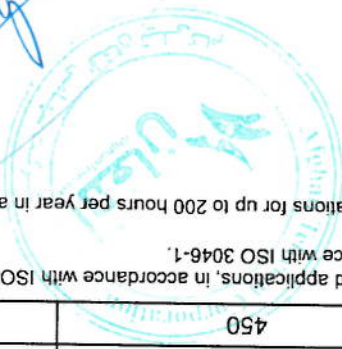
- ◆ Perkins Engine 1206A-E70TTAG2
- ◆ Leroysonner Alternator TAL-A46-C
- ◆ Deepsea Controller DSE6120
- ◆ MCCB Breaker
- ◆ Base fuel tank
- ◆ Emergency stop button, alarm, panel light
- ◆ 12/24V maintenance free battery, battery wires
- ◆ Noise Level: 78 dB(A) at 7 Metres
- ◆ Float battery charger
- ◆ Battery isolator switch
- ◆ Powder coated canopy
- ◆ Radiator with engine driven fan mounted
- ◆ Anti-vibration mountings
- ◆ Silencers with flexible connects and elbow
- ◆ Test report, drawing, operation and maintenance manual

## Genset Main Data

<b>Genset Model</b>		<b>MC250P</b>
<b>Prime Power</b>	180KW /225KVA	
<b>Standby Power</b>	200KW /250KVA	
<b>Frequency/Speed</b>	50HZ/1500rpm	
<b>Standard Voltage</b>	400/230V	
<b>Power Factor</b>	0.8	
<b>ases</b>	Three phases, four wires	
<b>uel Cons. (L/H)</b>	110% prime power	56.6
	100% prime power	51.0
	75% prime power	38.0
	50% prime power	25.5
<b>Dimensions(L×W×H)mm</b>	Open	2900×1380×1850
	Silent	3500×1100×1900
<b>Weight (kg)</b>	2200	2860
<b>Base Fuel Tank (L)</b>	450	400

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Alternator Model	TAL-A46-C
Brand	Leysonmer
Output Power(Kva)	230
Voltage Control	AVR
Number of Phase	3
Power Factor (Cos Phi)	0.8
Insulation Class	H
Protection	23
Altitude	≤ 1000 m
Number of Pole	4
Voltage Regulation	±0.5%
Total Harmonic Distortion	at no load < 4% - on load < 4%
Bearing	Single
Connection	Series Star
Coupling	Direct

**Alternator Data**

Engine Model	1206A-E70TTAG2
Brand	Perkins
Engine Speed	1500rpm
Gross Prime Power(Kw)	226.1
Bore and Stroke	105*135
Cy/No. and Arrangement	Water-cooled, 4-stroke, 6-Cylinders in-line
Displacement(L)	7.01
Compression Ratio	15.8:1
Lub oil Capacity (L)(Total System)	13-16
Coolant Capacity (L)(With radiator)	25
Aspiration	turbocharged aftercooled
Governor Type	ECM
Starter (V)	24

**Engine Data**

## Control System



### Deepsea Panel Model

### DSE6120

#### KEY FEATURES

- 4-line back-lit LCD text display
- Multiple display languages
- Five-key menu navigation
- LCD alarm indication
- Customisable power-up text and screen images.
- DSENet® expansion compatibility
- Data logging facility
- Internal PLC editor
- Protections disable feature
- Fully configurable via PC using USB communications
- Front panel configuration with PIN protection
- Power save mode
- 3-phase generator sensing and protection
- 3-phase mains (utility) sensing and protection (DSE6120 MKIII only)
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## Optional

### Genset

- Trailer
- Dual frequency (50/60hz both)
- Customised canopy design
- Special required sound level
- 50°C ambient temperature
- Synchronization system
- Customised exhaust connection way

### Fuel System

- Dual wall base fuel tank
- External daily fuel tank
- External Fuel Pump
- Low fuel level alarm
- Automatic fuel feeding system
- Fuel three-valves
- Remote control system
- Synchronization controller
- ATS

### Controller

- Anti-damp and anti-corrosion treatment
- Double bearing
- Single phase
- Winding temperature measuring instrument
- Anti-condensation heater
- Drop kits
- PMG

### Alternator

- Water jacket preheater
- Lub oil heater
- Electronic governor

### Engine

- Water jacket preheater
- Lub oil heater
- Electronic governor



## قیمت تخمینی از سه شرکت

No شماره	Companies ها شرکت ها	Estimated Prices قیمت های تخمینی	Currency پول واحد
1	Knack Rise (نک ریز)	30,560,200.00	افغانی Afghani
2	Naqib Amiri (نقیب امیری)	33,220,000.00	افغانی Afghani
3	JSA (جمشید صیف الله احمدزی)	31,360,000.00	افغانی Afghani
<b>Average Estimated Price (حد اوسط قیمت های تخمینی)</b>		<b>31,713,400.00</b>	افغانی Afghani



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