

## DIESEL GENERATOR SET

**Model: MDS-80T**

**Rate Power: 72kVA/ 50Hz/ 3 phases**

### Applications:

Home, Buildings, Hospitals, Train station, Bank, Telecom, Mining, Military, Outdoor projects, etc.



### Color choices:



### Features and Benefits

- Tightly structure, excellent design and craft
- Excellent cooling system, reliable performance under the harshest conditions (ambient temperature up to 40°C and altitudes up to 1000m)
- Self-diagnostic capability simplifies troubleshooting
- LCD display shows system status setup information
- Automatic voltage regulator protects your sensitive electronics from harmonic distortion and unstable power quality
- Soundproof type: Very quite running: 65±3
- Enclosed muffler for added quietness
- Service and; maintenance accessible through easy-latch side service door

### Generator Data

|                                      |                |
|--------------------------------------|----------------|
| Prime Power (kVA)                    | 72             |
| Standby Power (kVA)                  | 80             |
| Rated Frequency (Hz)                 | 50             |
| Running Noise db(A)/7m (Silent type) | 65±3           |
| Voltage (V)                          | 230/380        |
| Curent (A)                           | 110            |
| No.Phase                             | 3              |
| Silent Type-Dimension (LxWxH) (mm)   | 2850*1100*1500 |
| Silent Type-Weight (kg)              | 1420           |
| Fuel Tank Capacity (L)               | 140            |
| Power factor                         | 0.8            |

## Engine Specifications

### Main features:

#### Brand: Mitsubishi – MHI Japan

- 6-cylinder, water-cooled, in line diesel engine.
- Efficient fuel system for max power output and durability.
- Large-capacity air cleaner.
- Cost effective, fuel efficient and reliable performance.
- Functional engine with compact structure.
- Excellent after-sales service and sufficient spare parts supplying.
- Easy installation and ready access for routine maintenance

|                        |                     |
|------------------------|---------------------|
| Model                  | S6K-D               |
| Output Power (kw)      | 63                  |
| Cylinder No. & Config. | 6, In line          |
| Type                   | 4 cycle , Diesel    |
| Displacement (liters)  | 6.373L              |
| Governor               | Mechanical type     |
| Engine System (r/min)  | 1500                |
| Air intake system      | Turbo, Inter-cooled |
| Fuel Consumption (L/h) | 18                  |
| Oil Capacity (L)       | 20                  |
| Compression ratio      | 17:1                |

## Alternator specifications

### Main Features:

- Advanced automatic voltage regulator (AVR) control for trouble-free operation under the most demanding conditions.
- 2/3 pitch winding as standard, to avoid excessive neutral current.
- Single or two bearing construction with dynamically balanced rotor and sealed-for-life bearings.
- Easy access for installation and maintenance.
- IP23 as standard.
- Self-excited control system.  
Resist of corruption of oil and acid.

|                       |                                    |
|-----------------------|------------------------------------|
| <b>Brand options:</b> | <b>Stamford/ Mecc Alte/ Benzen</b> |
| Model                 |                                    |
| Rated Power (kVA)     | 72                                 |
| Excitation System     | Brushless, self-exciting           |
| Connection Type       | 3 phases, 4 wires                  |
| Pole No               | 4                                  |
| Regulator type        | AVR                                |
| Protection class      | IP23                               |
| Insulation class      | H                                  |

## Control Panel System

### Options:



DEEP SEA



DATAKOM



COMAP

### Main Features:

- Using microprocessor as a core, graphics LCD with big screen and backlight, key touch for operation
- All parameters use digital modulation, with higher reliability and stability
- Built-in speed/frequency detecting units can accurately judge the states such as crank success and over speed
- Security password-protected programming levels
- Power supply range is wide, accommodating to different starting battery voltage environment
- Built-in watch dog can never be dead halt, ensuring smooth program execution
- Modular configuration design, inserted type connection terminals, flush type installation, compact structure, easy installation

### Precision measure and display of:

- ✓ Generator voltage
- ✓ Generator current
- ✓ Generator frequency
- ✓ Generator active power (kW)
- ✓ Generator inactive power (kW)
- ✓ Generator apparent power (kVA)
- ✓ Generator power factor
- ✓ Generator starts count
- ✓ Generator hour count
- ✓ Cumulate electric energy (kWh)
- ✓ Generator temperature
- ✓ Generator pressure
- ✓ Start battery voltage

### Protection:

- ✓ Emergency stop
- ✓ High water temperature
- ✓ Low oil pressure
- ✓ Over speed
- ✓ Under speed
- ✓ Loss of speed signal
- ✓ Generator over frequency
- ✓ Generator under frequency
- ✓ Generator over voltage
- ✓ Generator under voltage
- ✓ Generator over current
- ✓ Fail to start
- ✓ Auxiliary inputs

\* Reserves the right to change the specifications and designs without notice.