

DIESEL GENERATOR SET

Model: MDS-22T

Rate Power: 20kVA/ 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) | 20 |
| Standby Power (kVA) | 22 |
| Rated Frequency (Hz) | 50 |
| Running Noise db(A)/7m (Silent type) | 65±3 |
| Voltage (V) | 230/380 |
| Curent (A) | 30 |
| No.Phase | 3 |
| Silent Type-Dimension (LxWxH) (mm) | 1950*900*1100 |
| Silent Type-Weight (kg) | 711 |
| Fuel Tank Capacity (L) | 50 |
| Power factor | 0.8 |

Engine Specifications

Main features:

Brand: Mitsubishi – MHI Japan

- 4-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

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|------------------------|---------------------|
| Model | S4Q2 |
| Output Power (kw) | 19.9 |
| Cylinder No. & Config. | 4, In line |
| Type | 4 cycle , Diesel |
| Displacement (liters) | 2.505L |
| Governor | Mechanical type |
| Engine System (r/min) | 1500 |
| Air intake system | Turbo, Inter-cooled |
| Fuel Consumption (L/h) | 6.1 |
| Oil Capacity (L) | 6.5 |
| Compression ratio | 22:1 |

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.

| | |
|-----------------------|------------------------------------|
| Brand options: | Stamford/ Mecc Alte/ Benzen |
| Model | |
| Rated Power (kVA) | 20 |
| 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.