

### **DIESEL GENERATOR SET**

Model: PDS-22T

Rate Power: 20kVA/ 50Hz/ 3 phases

## **Applications:**

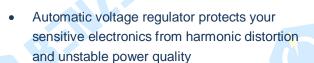
Home, Buildings, Hospitals, Train station, Bank, Telecom, Mining, Military, Outdoor projects, etc.

### **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



### **Color choices:**



- Soundproof type: Very quite running: 70±3dB(A) at 23ft(7m) at normal load.
- 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)	70±3
VItage (V)	220/380
Curent (A)	30.3
No.Phase	3
Silent Type-Dimension (LxWxH) (mm)	2010*900*1270
Silent Type-Weight (kg)	860
Fuel Tank Capacity (L)	45
Fuel	Diesel

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# **Engine Specifications**

### Main features:

### **Brand: PERKINS**

- 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

	Model	404A-22G1
	Output Power (kw)	20.6
	Cylinder No. & Config.	4, In-line
	Туре	4 cycle , Diesel
	Displacement (liters)	2.216
	Governor	Mech type
	Engine System (r/min)	1500
	Air intake system	Turbo, Inter-cooled
	Fuel Consumption 100% load	5.3
	Oil Capacity (L)	10.6
	Compression ratio	23.3:1

## **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:	Mecc-Atle/ Leroy Somer/ 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	н





### **Options:**



## **Control Panel System**





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

### 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

- 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

#### **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

<sup>\*</sup> Reserves the right to change the specifications and designs without notice.



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