

Standard Features

MODEL	MT-P20
Standby Power(60Hz)	19.4KW/24KVA
Prime Power(60Hz)	17.6KW/22KVA
Engine	PERKINS 404D-22G
Alternator	STAMFORD PI144D

- **Engine(PERKINS.UK 404D-22G)**
- Radiator 40°C max, fans are driven by belt, with safety guard
- 24V charge alternator
- **Alternator(STAMFORD PI144D),**
- single bearing alternator, Protection Class IP23, insulation class H/H
- Dry Type air filter, fuel filter, oil filter, re-filter, absorber
- Main line circuit breaker
- Standard control panel
- Two 12V batteries, rack and cable
- Ripple flex exhaust pipe, Exhaust siphon, flange, muffler
- Operation manual



Generator Set Ratings						
Voltage	Frequency	Phase	P.F (COS ϕ)	Standby Amps	Standby Ratings (KW/KVA)	Prime Ratings (KW/KVA)
480/277	60	3	0.8	26.5	17.6/22	16/20
460/266	60	3	0.8	27.6	17.6/22	16/20
440/254	60	3	0.8	28.9	17.6/22	16/20
416/240	60	3	0.8	30.6	17.6/22	16/20

Prime Power (PRP): Prime power is available for an unlimited number of annual hours in variable load application, in accordance with GB/T2820-97(eqvISO8528); A10% overload capability is available for a period of 1 hour within a 12-hour period of operation. Standby Power Rating (ESP): The standby power rating is applicable for supplying emergency

Dimension Of Generator Set	
Dimension(L*W*H)/CM For Open Type	145×65×120 CM
Net Weight/KG For Open Type	450KG
Dimension(L*W*H)/CM For Sound Proof Type	215×100×127 CM
Net Weight/KG For Sound Proof Type	890KG
Dimension (L*W*H)/MM For Trailer Type	
Net Weight/KG For Trailer Type	

Specification Of Engine		
Engine	Engine Model	404D-22G
	Manufacturer	PERKINS UK
	Emissions statement	EU2007(EU97/68/EC Stage II)
	Prime Power	21.6KW/28.9HP
	Standby Power	23.9KW/32HP
	Engine Configuration	4Cylinder In Line, 4Stroke,Direct Injection
	Gas Feeding Model	Natural Aspiration
	Bore × Stroke	84 × 100 (MM)
	Displacement	2.216L
	Rated Speed	1800RPM
	Speed Governor	Mechanical
	Starter Model	12V DC Start
	Fuel Consumption Prime Power (100% load)	6.9L/H
	Totally lubrication system Capacity	10.6L
	Coolant capacity	7.0L
	Cooling System	Water Cool
	Compression Ratio	23.3:1

Specification Of Alternator		
Alternator	Alternator Model	PI144D
	Manufacturer	STAMFORD company
	Prime Output	20KW/25KVA
	Standby Output	22KW/27.5KVA
	Excitation Model	Brushless, Self-Exciting
	Cooling Method	Air Cooling
	Connection Type	3 Phase and 12 Wires "Star" Connection
	Power Factor	0.8
	Protection Class	IP22
	Insulation Class	H
	Altitude	$\leq 1000\text{m}$
	Voltage Regulation, Steady State	$\leq \pm 1\%$
	Telephone Influence Factor	< 50
	Sudden Voltage Warp (100% Sudden Reduce)	$\leq \pm 1\%$
	Sudden Voltage Warp (Sudden Increase)	$\leq \pm 25\%$
	Voltage Stable Time (100% Sudden Reduce)	$\leq 6\text{S}$
	Voltage Stable Time (Sudden Increase)	$\leq 6\text{S}$
	Frequency Reduce	0-5% adjustable
	Frequency Regulation, Stead State	$\leq 1.5\%$
	Frequency Waving	$\leq 0.8\%$
	Sudden Frequency Warp (100% Sudden Reduce)	$\leq +12\%$
	Sudden Frequency Warp (100% Sudden Increase)	$\leq -10\%$
	Frequency Recovery Time (100% Sudden Reduce)	$\leq 5\text{S}$
	Frequency Recovery Time (Sudden Increase)	$\leq 5\text{S}$
Compliance Stands	GB755,BS5000,VDE0530,NEMAMG1-22,IED34-1,CSA22.2 and AS1359	

Control Panel System



MONICAN CONTROL MODEL/ MANUAL OR ATS USE

With Four Protection

1. High water Temperature Shutdown
2. Low Oil Pressure Shutdown
3. Over Speed Shutdown 4. Over Crank Shutdown
5. Protection as Emergent Stop

Parameters of Operation:

1. Emergency Stop Button 2. Voltmeter and Selector Switch
3. Ammeter and Selector Switch 4. Frequency Meter
5. Hour Running Meter 6. Alart Buzzer



SMARTGEN CONTROL MODEL/ MANUAL OR ATSUSE

With Four Protection

1. High water Temperature Shutdown
2. Low Oil Pressure Shutdown
3. Over Speed Shutdown
4. Over Crank Shutdown
5. Protection as Emergent Stop

Parameters of Operation:

Digital type, all function showed by LED



DEEPSEA CONTROL MODEL/ MANUAL OR ATS USE

With Four Protection

1. High water Temperature Shutdown
2. Low Oil Pressure Shutdown
3. Over Speed Shutdown
4. Over Crank Shutdown
5. Protection as Emergent Stop
6. With Remote Teleport Communication RS 485

Parameters of Operation:

Digital type, all function showed by LED