

Standard Features

MODEL	MT-P500
Standby Power(60Hz)	440KW/550KVA
Prime Power(60Hz)	400KW/500KVA
Engine	PERKINS 2506C-E15TAG1
Alternator	STAMFORD HCI444F

- **Engine(PERKINS.UK 2506C-E15TAG1)**
- Radiator 40°C max, fans are driven by belt, with safety guard
- 24V charge alternator
- **Alternator(STAMFORD HCI444F),**
- 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)
220/127	60	3	0.8	1443	440/550	400/500
208/120	60	3	0.8	1528	440/550	400/500

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	380×125×210CM
Net Weight/KG For Open Type	3750KG
Dimension(L*W*H)/CM For Sound Proof Type	470*155×230 CM
Net Weight/KG For Sound Proof Type	4800KG
Dimension (L*W*H)/MM For Trailer Type	
Net Weight/KG For Trailer Type	

Specification Of Engine		
Engine	Engine Model	2506C-E15TAG1
	Manufacturer	PERKINS UK
	Emissions statement	EU2007(EU97/68/EC Stage II)
	Prime Power	435KW/583HP
	Standby Power	490KW/657HP
	Engine Configuration	6Cylinder In Line, 4Stroke,Direct Injection
	Gas Feeding Model	Turbocharged Air Air cooled
	Bore × Stroke	137 × 171 (MM)
	Displacement	15.2L
	Rated Speed	1800RPM
	Speed Governor	Electrical
	Starter Model	24V DC Start
	Fuel Consumption Prime Power (100% load)	113L/H
	Totally lubrication system Capacity	62L
	Coolant capacity	58L
	Cooling System	Water Cool
	Compression Ratio	16.0:1

Specification Of Alternator		
Alternator	Alternator Model	HCI444F
	Manufacturer	STAMFORD company
	Prime Output	400KW/500KVA
	Standby Output	440KW/550KVA
	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