

### Standard Features

| MODEL               | MT-P725              |
|---------------------|----------------------|
| Standby Power(60Hz) | 638KW/798KVA         |
| Prime Power(60Hz)   | 580KW/725KVA         |
| Engine              | PERKINS 4006-23TAG2A |
| Alternator          | STAMFORD HCI544E     |

- **Engine(PERKINS.UK 4006-23TAG2A)**
- Radiator 40°C max, fans are driven by belt, with safety guard
- 24V charge alternator
- **Alternator(STAMFORD HCI544E),**
- single bearing alternator, Protection Class IP22, 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 $\phi$ ) | Standby Amps | Standby Ratings (KW/KVA) | Prime Ratings (KW/KVA) |
| 480/277               | 60        | 3     | 0.8               | 959          | 638/798                  | 580/725                |
| 460/266               | 60        | 3     | 0.8               | 1002         | 638/798                  | 580/725                |
| 440/254               | 60        | 3     | 0.8               | 1046         | 638/798                  | 580/725                |
| 416/240               | 60        | 3     | 0.8               | 1108         | 638/798                  | 580/725                |

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        | 460×180×225CM  |
| Net Weight/KG For Open Type              | 5900KG         |
|                                          |                |
| Dimension(L*W*H)/CM For Sound Proof Type | 606×244×260 CM |
| Net Weight/KG For Sound Proof Type       | 7300KG         |
|                                          |                |
| Dimension (L*W*H)/MM For Trailer Type    |                |
| Net Weight/KG For Trailer Type           |                |

| Specification Of Engine |                                          |                                             |
|-------------------------|------------------------------------------|---------------------------------------------|
| Engine                  | Engine Model                             | 4006-23TAG2A                                |
|                         | Manufacturer                             | PERKINS UK                                  |
|                         | Emissions statement                      | EU2007(EU97/68/EC Stage II )                |
|                         | Prime Power                              | 640KW/858HP                                 |
|                         | Standby Power                            | 715KW/958HP                                 |
|                         | Engine Configuration                     | 6Cylinder In Line, 4Stroke,Direct Injection |
|                         | Gas Feeding Model                        | Turbocharged Air Air cooled                 |
|                         | Bore × Stroke                            | 160 × 190 (MM)                              |
|                         | Displacement                             | 22.92L                                      |
|                         | Rated Speed                              | 1800RPM                                     |
|                         | Speed Governor                           | Electrical                                  |
|                         | Starter Model                            | 24V DC Start                                |
|                         | Fuel Consumption Prime Power (100% load) | 177L/H                                      |
|                         | Totally lubrication system Capacity      | 113.4L                                      |
|                         | Coolant capacity                         | 105L                                        |
|                         | Cooling System                           | Water Cool                                  |
|                         | Compression Ratio                        | 13.6:1                                      |

| Specification Of Alternator |                                                            |                                        |
|-----------------------------|------------------------------------------------------------|----------------------------------------|
| Alternator                  | Alternator Model                                           | HCI544E                                |
|                             | Manufacturer                                               | STAMFORD company                       |
|                             | Prime Output                                               | 600KW/750KVA                           |
|                             | Standby Output                                             | 660KW/825KVA                           |
|                             | 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