

Standard Features

MODEL	MT-C688
Standby Power(60Hz)	600KW/625KVA
Prime Power(60Hz)	550KW/688KVA
Engine	Cummins KTAA19-G6A
Alternator	STAMFORD HCI544FS

- **Engine (CCEC Cummins KTAA19-G6A)**
- Radiator 40°Cmax, fans are driven by belt, with safety guard
- 24V charge alternator
- **Alternator (STAMFORD HCI544FS),**
- single bearing alternator, Protection Class IP22, insulation class H/H
- Dry Type air filter, fuel filter, oil filter, pre-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)
480/254	60	3	0.8	751	500/625	450/562
460/240	60	3	0.8	784	500/625	450/562
440/230	60	3	0.8	820	500/625	450/562
416/220	60	3	0.8	867	500/625	450/562

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); A1 0% 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	370×157×208CM
Net Weight/KG For Open Type	4650KG
Dimension(L*W*H)/CM For Sound Proof Type	503×186×255 CM
Net Weight/KG For Sound Proof Type	6500 KG
Dimension (L*W*H)/MM For Trailer Type	
Net Weight/KG For Trailer Type	

Specification Of Engine		
Engine	Engine Model	KTAA19-G6A
	Manufacturer	CCEC Cummins
	Prime Power	604KW/809HP
	Standby Power	664KW/890HP
	Engine Configuration	6Cylinder In Line, 4Stroke
	Gas Feeding Model	Turbocharged
	Bore × Stroke	159 × 159 (MM)
	Displacement	19L
	Rated Speed	1800RPM
	Speed Governor	Electronic
	Starter Model	24V DC Start
	Fuel Consumption Standby Power (100% load)	206 g/Kw.h
	Fuel Consumption Prime Power (75% load)	209 g/Kw.h
	Oil Consumption	≤4 g/Kw.h
	Cooling System	Water Cool
	Compression Ratio	13:1
	Max Back Pressure	10KPA
	Max Intake Restriction	6.23KPA
	Exhaust Temperature	670℃

Specification Of Alternator		
Alternator	Alternator Model	HCI544FS
	Manufacturer	STAMFORD company
	Prime Output	550KW/688KVA
	Standby Output	600KW/750KVA
	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