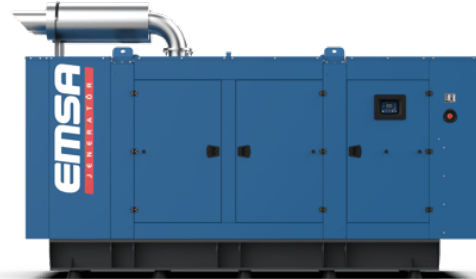


E CM ST 1100

CUMMINS Series Diesel Generator Sets

STANDBY	kVA	1100
	kW	880
DCCP	kVA	1000
	kW	800



Water Cooled



50 hz



Easy maintenance



Modular type sound-proof canopy



3 phase



Diesel



Warning system for decreasing fuel with electronic fuel level sender



Remote control system

Emergency Standby Power: Emergency standby power, provided by diesel generators, acts as a backup during power outages. These generators kick in swiftly during emergencies, ensuring continuity for critical operations. Ideal for homes, businesses, and industries, their usage duration should be limited to prevent wear. Strict standards like NFPA 110 ensure their reliability.

Data Center Continuous Power : Data center continuous power is defined as being the maximum power which a generating set is capable of delivering while supplying a variable or continuous electrical load and during unlimited run hours, meet the Uptime Institute Tier III and IV requirements as detailed in the Uptime Institute Tier Standards: Topology. The power ratings, given above have been identified according to conditions of 100kPa barometric pressure (110m. altitude), 25°C ambient temperature.

QUALITY STANDARDS

Our generators are manufactured in compliance with TS ISO 8528-4, TS ISO 8528-5, TS ISO 8528-13, with CE Declaration.

EMSA Has ISO 9001-2015, ISO 14001-2015, ISO 45001-2018, ISO 27001, ISO 27701 and ISO 1002-2006 management system certificates from Kiwa, an accredited independent quality organization.



Engine Specifications

- CUMMINS series heavy duty diesel engine
- 4 cycle, water cooling system, turbocharged - aftercooler induction
- Electronic governor system
- 12/24 volt self-starter and charger alternator
- Changeable air, fuel and oil filter
- Flexible fuel pipe

MODEL	KTA38-G14	
POWER	STANDBY kW	970
	DCCP kW	880
SPEED (rpm)	1500	
Cycle	4	
DISPLACEMENT (lt)	38.0	
NUMBER OF CYLINDERS	12 V	
BORE AND STROKE	159 x 159	
COMPRESSION RATIO	13,9 : 1	

- Oil discharge valve and extension pipe
- Industrial type silencer, exhaust spiral or compensator
- Maintenance free battery
- Engine block water heater
- Diesel gen-set maintenance and operating instructions and electrical circuit diagram

GOVERNOR TYPE	Electronic	
Induction	TURBOCHARGED - AFTERCOOLER	
COMBUSTION SYSTEM	DIRECT	
Cooling System	WATER	
FUEL CONSUMPTION	100% OF PRIME	209
(lt/h)	POWER	
	75% OF PRIME	161
	POWER	
	50% OF PRIME	113
	POWER	
TOTAL LUBRICATION SYSTEM CAPACITY (lt)	135	
TOTAL COOLANT CAPACITY (lt)	167	



Alternator Specifications

- Brushless, single bearing, flexible disc 4 poles alternator for harmonic failure
- H type isolation class
- IP 23 protection class
- Self exciter

BRAND	STAMFORD
MODEL	S6L1D-E4
FREQUENCY (HZ)	50
POWER (KVA)	1050
DESIGN	4 pole, brushless
CONNECTION TYPE	Star
VOLTAGE (V)	400

- Electronic automatic voltage regulator
- Stator 2/3 step for harmonic failure
- The alternator windings are protected by insulating varnish against oil and acid

Phase	3
A.V.R.	MX341
VOLTAGE REGULATION (+/-)	± 1%
INSULATION SYSTEM	Class H
PROTECTION	IP23
RATED POWER FACTOR	0.8
WEIGHT COMP. ALTERNATOR (KG)	2280

Note: Alternator DCCP rating according to class H, Standby rating is according to 163/27 °C

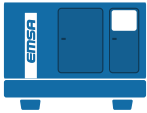


Genset Controllers



DEEPSEA 8610

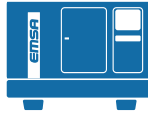
DEEPSEA 8610 is a diesel gen-set control unit for common paralleling applications supporting both single and multiple gen-sets running in grid-tied or island operations.



Canopy

- Modular type sound-proof canopy
- Canopy installation executed with screw and nut, without welding process
- Epoxy and polyester powder painted canopy
- Weatherproof canopy rating is IP 23
- Canopy designed for easy maintenance

- Lockable doors on both sides of canopy
- Emergency stop button
- Transparent panel inspection window
- Insulation details: Non-flammable acoustic foam
- Nano tech cleaning system



Dimensions
(W x L x H) mm

xx



Weight (Kg)



Fuel tank capacity (lt) 1350
Internal type



Dimensions
(W x L x H) mm

2100x4700x2491



Weight (Kg)

8533



Fuel tank capacity (lt) 1350
Internal type



External type

SILENCER OPTIONS

- Standard industrial type
- Critical type
- Hospital type

CANOPY OPTIONS

- Standard canopy
- Super silent canopy
- Extra super silent canopy (thicker insulation)

GEN-SET SAFETY PROTECTION & ALARMS

- High water temperature
- Low oil pressure
- High & low engine speed
- Low radiator water level

- Over current load
- High & low genset voltage
- Start/stop failure

OPTIONAL EQUIPMENTS

- Charge ammeter
- Moulded case circuit breaker (in automatic models)
- Hospital/Critical type silencer
- Modular type sound-proof canopy
- Mobile - trailer
- Synchronization control panel for 2-16 gensets

- 3 pole/4 pole automatic transfer panel (A.T.S.)
- Fuel and oil heater
- Alternator heater
- Automatic fuel filling system
- Fuel-water separator filter
- PMG warning system