



INTRODUCTION

Aksa power generation system, providing optimum performance, and reliability, for stationary standby, prime power, and continuous duty applications. All generator sets are factory build, and production tested.

Certificate

TS ISO 8528

CE

SZUTEST

2000/14/EC

General Characteristics

| | |
|----------------------------------|-----------------------------|
| Model Name | AC 500-6 |
| Frequency (Hz) | 60 |
| Fuel Type | Diesel |
| Engine Made and Model | CUMMINS - QSX15-G8 - 60Hz |
| Alternator Made and Model | Stamford - HCI 544 C - 60Hz |
| Control Panel Model | DSE 7320 |
| Canopy | MS 80 |


3 Phase, 50 Hz, PF 0.8

| VOLTAGE | STANDBY RATING (ESP) | | PRIME RATING (PRP) | | Standby Amper |
|---------|----------------------|--------|--------------------|--------|---------------|
| | kVA | kW | kVA | kW | |
| 480/277 | 500 | 400.00 | 454 | 363.20 | 601.42 |
| 380/220 | 495 | 396.00 | 450 | 360.00 | 752.10 |
| 208/120 | 499 | 399.20 | 450 | 360.00 | 1385.13 |

STANDBY RATING (ESP) : Applicable for supplying power to varying electrical load for the duration of power interruption of a reliable utility source. ESP is in accordance with ISO 8528-1. Overload is not allowed.

PRIME RATING (PRP) : Applicable for supplying power to varying electrical load for unlimited hours. PRP is in accordance with ISO 8528-1. 10 % overload capability is available for a period of 1 hour within 12-hour period of operation.

ENGINE SPECIFICATIONS

| | | |
|-----------------------------------|-----------|-----------------------|
| Engine | | CUMMINS |
| Engine Model | | QSX15-G8 - 60Hz |
| NO. OF CYLINDERS AND BUILD | | 6 cylinders - in line |
| BORE AND STROKE | mm | 137 X 169 |

Производитель сохраняет за собой право без предварительного уведомления делать изменения в моделях, технических характеристиках, цветах, оборудовании, аксессуарах и чертежах.



| | | | |
|----------------------------------|-------------|-------------------------------------|--|
| TOTAL DISPLACEMENT | L | 14.9 | |
| Aspiration | | Turbo Charged and Charge Air Cooled | |
| COMPRESSION RATIO | | 17.2:1 | |
| RATED SPEED (RPM) | d/dk | 1800 | |
| OIL CAPACITY | L | 90.8 | |
| Standby Power (kW/HP) | | 455/610 | |
| Prime Power | | 414/555 | |
| Block Heater QTY | | | |
| | | 1 | |
| Block Heater Power (Watt) | | | |
| | | 3000 | |
| Fuel Type | | | |
| | | Diesel | |
| Injection Type and System | | | |
| | | XPI | |

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| | | | |
|--|--|----------------------------------|--|
| Type of Fuel Pump | | | |
| | | HPCR (High Pressure Common Rail) | |
| Governor System | | | |
| | | ECM | |
| Operating Voltage (Vdc) | | | |
| | | 24 Vdc | |
| Battery and Capacity (Qty/Ah) | | | |
| | | 2x120 | |
| Charge Alternator (A) | | | |
| | | 30 | |
| Cooling Method | | | |
| | | Water Cooled | |
| Coolant Capacity (engine only / with radiator) (lt) | | | |
| | | 33/66 | |
| Air Filter | | | |
| | | Dry Type | |



| | | | |
|--|--|----|--|
| Fuel Cons. Prime With %100 Load (lt/hr) | | | |
| | | 99 | |
| Fuel Cons. Prime With %75 Load (lt/hr) | | | |
| | | 76 | |
| Fuel Cons. Prime With %50 Load (lt/hr) | | | |
| | | 54 | |



ALTERNATOR SPECIFICATIONS

| | | |
|----------------------------------|------------|-------------------|
| Manufacturer | | Stamford |
| Alternator Made and Model | | HCI 544 C - 60Hz |
| Frequency (Hz) | Hz | 60 |
| Power (kVA) | kVA | 479.6 |
| DESIGN | | 4 Pole, Brushless |
| VOLTAGE | V | 380 |
| Phase | | 3 |



| | | |
|--|----------------------|-------|
| A.V.R. | | AS440 |
| Voltage Regulation | (+/-) | 1 |
| Insulation System | | H |
| Rated Power Factor | | 0.8 |
| WEIGHT COMP. GENERATOR (Kg) | | 1263 |
| COOLING AIR (m³/min) | m³ | 78,7 |

SIZE and WEIGHT

| Open Type | DRY WEIGHT (kg.) (kg.) | LENGTH (mm.) | WIDTH (mm.) | HEIGHT (mm.) | TANK CAPACITY (lt.) (Lt.) |
|---|-------------------------------|---------------------|--------------------|---------------------|----------------------------------|
|  | 3905 | 3377 | 1550 | 2103 | 850 |
| CANOPY | DRY WEIGHT (kg.) (kg.) | LENGTH (mm.) | WIDTH (mm.) | HEIGHT (mm.) | TANK CAPACITY (lt.) (Lt.) |
| MS 80  | 4905 | 4807 | 1606 | 2485 | 850 |

Производитель сохраняет за собой право без предварительного уведомления делать изменения в моделях, технических характеристиках, цветах, оборудовании, аксессуарах и чертежах.



OPTIONAL EQUIPMENTS

TRANSFER SWITCH

- Three or four pole motor operated circuit breaker
- Four Pole Contactor
- Three Pole Contactor

OTHER ACCESSORIES

- Tool kit for maintenance
- Trailer
- Inlet and outlet acoustic baffles
- Double wall chassis
- Automatic transfer switch
- Main Fuel Tank
- Supplied with oil and coolant - 30 °C
- Inlet and outlet motorised louvers
- Electrical oil drain pump
- Manual oil drain pump
- Automatic or manual fuel filling system
- Low and high fuel level alarm
- Duct adapter (on radiator)
- Enclosure: weater protective or sound attenuated
- Residential silencer

CONTROL SYSTEM

- Remote communication with modem
- Alarm output relays
- Charge Ammeter
- Earth fault, single set
- Remote relay output
- Paralel system with mains.
- Automatic synchronising and power control system (multi gen-set Parallel)
- Remote annunciator panel
- Transition synchronization with mains

ENGINE

- Oil heater
- Fuel-Water Seperator Filter

ALTERNATOR

- PMG excitation + AVR
- Main line circuit breaker
- Anti-Condensation Heater
- Over sized alternator



STANDARD SPECIFICATIONS

Compact footprint, low profile design.

Enclosure, generator set, exhaust system and fuel tank are pre-assembled, pre-integrated and shipped as one package

Body made from steel components treated with polyester powder coating

Fire retardant foam insulation

Easy access to all service points

Exhaust system inside canopy

Large doors on each side

Control panel viewing window in a lockable access door

Emergency stop push button mounted on enclosure exterior

Cooling fan and battery charging alternator fully guarded

Fuel fill and battery can only be reached via lockable access doors.

Lifting points on the top of canopy and base frame

Customer options available to meet your application's needs.

Aksa makes its generating sets' noise level tests in accordance with directive 2000/14/EC validation of the noise level test has been approved by the notified body Szutest

| | | |
|----------------------------|------------|-------|
| CANOPY MODEL | | MS 80 |
| WIDTH | mm. | 1606 |
| LENGTH | mm. | 4807 |
| HEIGHT | mm. | 2485 |
| TANK CAPACITY (lt.) | Lt. | 850 |

INTRODUCTION

Sound-attenuated and weather-protective enclosures for generating sets from Aksa, meet event the sound requirements and provide optimum protection from inclement weather and development by our specialist acoustic engineers. Our modular designed sound insulated canopies provide ease of access for

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servicing and general maintenance and interchangeable components permitting on-site repair. Enclosures are designed to optimize genset cooling performance, providing you with confidence that genset ratings and ambient capability.