## INTRODUCTION

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

## Certificate

TS ISO 8528

CE

SZUTEST

2000/14/EC

## General Characteristics

## 3 Phase, 50 Hz, PF 0.8

| VOLTAGE | STANDBY RATING (ESP) | | PRIME RATING (PRP) | | Standby Amper |
|---|---|---|---|---|---|
| | kVA | kW | kVA | kW | |
| 400/231 | 500 | 400.00 | 450 | 360.00 | 721.71 |

**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 perod of operation.

## ENGINE SPECIFICATIONS

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

| | | |
|---|---|---|
| **Engine** | | CUMMINS |
| **Engine Model** | | QSZ13-G2 |
| **NO. OF CYLINDERS AND BUILD** | | 6 cylinders - in line |
| **BORE AND STROKE** | **mm** | 130 X 163 |
| **TOTAL DISPLACEMENT** | **L** | 13 |
| **Aspiration** | | Turbo Charged and Charge Air Cooled |
| **COMPRESSION RATIO** | | 17:1 |
| **RATED SPEED (RPM)** | **d/dk** | 1500 |
| **OIL CAPACITY** | **L** | 45.42 |
| **Standby Power (kW/HP)** | | 440/589 |
| **Prime Power** | | 400/536 |
| **Block Heater QTY** | | 1 |
| **Block Heater Power (Watt)** | | |

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| | | | |
|---|---|---|---|
| | 4000 | | |
| **Fuel Type** | | | |
| | | Diesel | |
| **Injection Type and System** | | | |
| | | COMMON RAİL | |
| **Type of Fuel Pump** | | | |
| | | HPCR (High Pressure Common Rail) | |
| **Governor System** | | | |
| | | Electronic | |
| **Operating Voltage (Vdc)** | | | |
| | | 24 Vdc | |
| **Battery and Capacity (Qty/Ah)** | | | |
| | | 2x120 | |
| **Cooling Method** | | | |
| | | Water Cooled | |
| **Cooling Fan Air Flow (m3/min)** | | | |

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| | | | |
|---|---|---|---|
| | 618 | | |
| **Coolant Capacity (engine only / with radiator) (lt)** | | | |
| | | 23.1/86.1 | |
| **Air Filter** | | | |
| | | Dry Type | |
| **Fuel Cons. Prime With %100 Load (lt/hr)** | | | |
| | | 81.6 | |
| **Fuel Cons. Prime With %75 Load (lt/hr)** | | | |
| | | 64.6 | |
| **Fuel Cons. Prime With %50 Load (lt/hr)** | | | |
| | | 46.9 | |

## ALTERNATOR SPECIFICATIONS

| | | |
|---|---|---|
| **Manufacturer** | | Aksa |
| **Alternator Made and Model** | | AK 6371 |
| **Frequency (Hz)** | **Hz** | 50 |

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| | | |
|---|---|---|
| **Power (kVA)** | **kVA** | 464 |
| **DESIGN** | | Brushless |
| **VOLTAGE** | **V** | 400 |
| **Phase** | | 3 |
| **A.V.R.** | | SX440 |
| **Voltage Regulation** | **(+/-)** | 1 |
| **Insulation System** | | H |
| **Protection** | | IP23 |
| **Rated Power Factor** | | 0.8 |
| **WEIGHT COMP. GENERATOR (Kg)** | | 1263 |
| **COOLING AIR ($m^3$/min)** | **$m^3$** | 62.1 |

## SIZE and WEIGHT

| Open Type | DRY WEIGHT (kg.) (kg.) | LENGTH (mm.) | WIDTH (mm.) | HEIGHT (mm.) | TANK CAPACITY (lt.) (Lt.) |
|---|---|---|---|---|---|

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| | | | | | |
|---|---|---|---|---|---|
| Image not found or type unknown | 3400 | 3180 | 1550 | 2181 | 700 |
| **CANOPY** | **DRY WEIGHT (kg.) (kg.)** | **LENGTH (mm.)** | **WIDTH (mm.)** | **HEIGHT (mm.)** | **TANK CAPACITY (lt.) (Lt.)** |
| MS 70 CK<br>Image not found or type unknown | 4300 | 4463 | 1606 | 2559 | 700 |

## STANDART SPECIFICATIONS

Water cooled, Diesel engine
Radiator with mechanical fan
Protective grille for rotating and hot parts
Electric starter and charge alternator
Starting battery (with lead acid) including rack and cables
Engine coolant heater
Base frame design incorporates an integral fuel tank and anti-vibration isolators
Flexible fuel connection hoses
Single bearing, class H alternator
Industrial exhaust silencer and steel bellows supplied separately(for open sets)
Static battery charger
Manual for application and installation

## OPTIONAL EQUIPMENTS

**ENGINE**

- Fuel-Water Seperator Filter

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- Low water level alarm
- Oil heater

**ALTERNATOR**

- Anti-Condensation Heater
- Main line circuit breaker

**CONTROL SYSTEM**

- Earth fault, single set
- Charge Ammeter

**TRANSFER SWITCH**

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

**OTHER ACCESSORIES**

- Main Fuel Tank
- Automatic or manual fuel filling system
- Manual oil drain pump
- Low and high fuel level alarm

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- Enclosure: weater protective or sound attenuated
- Trailer
- Tool kit for maintenance

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