Einführung

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.

Leistung

3 Phase,60 Hz, PF 0.8

Spannung (V)	Bereitschaftsleistung (ESP)		Primärleistung		Standby-Strom
	kW	kVA	kW	kVA	
380 / 220	88,0	110	80.00	100	167
480 / 277	100,0	125	92.00	115	150
208 / 120	96,0	120	88.00	110	333

„STANDBY-RATING (ESP) Gilt für die Stromversorgung wechselnder elektrischer Lasten für die Dauer einer Stromunterbrechung einer zuverlässigen Versorgungsquelle. ESP entspricht ISO 8528-1. Überlast ist nicht erlaubt.“

PRIME RATING (PRP) Gilt für die Stromversorgung unterschiedlicher elektrischer Lasten für unbegrenzte Stunden. PRP entspricht ISO 8528-1. 10 % Überlast ist für einen Zeitraum von 1 Stunde innerhalb eines 12-stündigen Betriebszeitraums verfügbar.

Allgemeine Charakteristiken

Modellname	AP 125-6
Frequenz (Hz)	60
Treibstoffart	Diesel
Motor Marke und Modell	Perkins 1104C-44TAG2
Marke und Modell des Generators	Mecc Alte ECP 34-2S/4 C
Steuerung Modell	DSE 6020
Schalldämmhaube	AK 40

Motorspezifikationen

Allgemeine Daten

Hersteller	Perkins
Motor Modell	1104C-44TAG2

Anzahl der Zylinder	4 cylinders - in line
Bohrung (mm)	105
Hub (mm.)	127
Hubraum (lt.)	4.4
Kompressionsrate	18.23:1
Motorumdrehungen (U/min)	1800
Standby-Leistung (kW/PS)	117.5/157.57
Prime Leistung (kW/PS)	106.8/143.22
Kühlwasservorwärmung Anzahl	1
Kühlwasservorwärmung (Watt)	750
Drezahlregelung	Perkins LCS electronic
Luftfilter	Dry Type
Ansaugung	Turbo Charged and Intercooled (Air to Air)

Schmiersystem

Ölkapazität (lt)	8
Max. Öltemperatur (˚C)	125

Kraftstoffsystem

Treibstoffart	Diesel
Injektionsart und -system	Direct
Typ der Kraftstoffpumpe	Rotary

Elektrisches System

Betriebsspannung (Vdc)	12 Vdc
Batterie und Kapazität (Menge/Ah)	1x66
Lichtmaschine	65

Kühlsystem

Kühlungsmethode	Water Cooled
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Abgassystem

Abgasstrom (m³/min.)	20.4
Abgasgegendruck (kPa)	15
Abgastemp. (C)	574
Wärmeabgabe an das Abgas	99.7

Kühler

Gesamtkühlmittelkapazität (lt)	12.6
Luftstrom des Kühlgebläses (m³/min.)	225.6
Externe Einschränkung des Kühlluftstroms (Pa)	125

Kraftstoffverbrauch

Kraftstoffverbrauch Prime mit 100 % Leistung (l/h)	26.9
Kraftstoffverbrauch Prime mit 75 % Leistung (l/h)	20.2
Kraftstoffverbrauch Prime mit 50 % Leistung (l/h)	14.1

Eigenschaften des Generators

Hersteller	Mecc Alte
Generatormodell	ECP 34-2S/4 C
Frequenz (Hz)	60
Leistung (kVA)	120
Spannung (V)	480
Phase	3
Regler	DSR
Spannungsregulierung	1
Isoliersystem	H
Schutz	IP23
Nennleistungsfaktor	0.8
Gewicht kompletter Generator (kg)	349
Temperaturerhöhungs-Klasse	H
Kühlungsluft (m³/min)	34.4

Abmessungen des offenen Aggregates

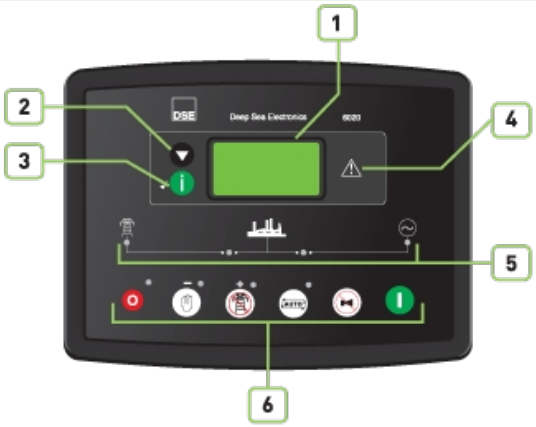
Länge (mm)	2150
Breite (mm)	1050
Höhe (mm)	1490
	1120
Tankinhalt (lt.)	240

Eigenschaften der Schalldämmhaube

Länge (mm)	3105
Breite (mm)	1107
Höhe (mm)	1803
Trockengewicht (kg.)	1470
Tankinhalt (lt.)	240

Steuerung

Hersteller	DSE
Steuerungsmodul Modell	DSE 6020
Kommunikationsanschlüsse	N/A



1. Main status display.
2. Display scroll button.
3. Page(information) button.
4. Common alarm indicator.
5. Status LED's.
6. Operation selecting buttons.

Standardgeräte

●DSE, model 6020 Auto Mains Failure control module.
●Battery charger input 198-264 volt, output 27,6 V 5 A (24 V) or 13,8 Volt 5A (12V)
●Emergency stop push button and fuses for control circuits.

Steuergerät

The DSE 6020 is a standard control module for our generator sets up to 200kVA and ıt has been designed to start and stop diesel and gas generator sets.
The DSE 6020 module has been designed to monitor generator frequency, volt, current, engine oil pressure, coolant temperature running hours and battery volts.
Module monitors the mains supply and switches over to the generator when the mains power fails.
The DSE6020 also indicates operational status and fault conditions, Automatically shutting down the Gen. Set and giving true first-up fault condition of Gen. Set failure.The LCD display indicates the fault.

Bau und Fertigstellung

●Components installed in a sheet steel enclosure. Phosphate chemical, pre-coating of steel provides corrosion resistant surface. Polyester composite powder topcoat forms a high gloss and extremely durable finish. Lockable and hinged panel door provides easy access to components.

Installation

Control panel is mounted on baseframe with steel stand. Located at the right side of the generator set (When you look at the Gen.Set. from Alternator)

Optionen

●Flexible sensor can be controlled with temperature, pressure, percentage (warning/shutdown/electrical trip)
●Local setting parameters and monitoring from PC to control module with USB connection (max 6 mt).

Compliance-Liste des Control Panels

Electrical Safety / EMC compatibility
●BS EN 60950 Electrical business equipment.
●BS EN 61000-6-2 EMC immunity standard.
●BS EN 61000-6-4 EMC emission standard

Statisches Batterieladegerät

● Battery charger is manufactured with switching-mode and SMD technology and ıt has high efficiency.
Battery charger models' output V-I characteristic is very close to square and output is 5 amper, 13,8 V for 12 volt and 27,6 V for 24 V . Input 198 - 264 volt AC.
Proline 2405 has fully output short circuit protection and ıt can be used as a current source.
Proline 1205/2405 charger has high efficiency, long life, low failure rate, lightweight and low heat radiated in accordance with linear alternatives.
The charger is fitted with a protection diode across the output.
Connect charge fail relay coil between the positive output and CF output.
They are equipped with RFI filter to reduce electrical noise radiated from the device.
Galvanically isolated input and output typically 4kV for high reliability.

Standard Ausrüstung

- 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

Optionale Ausrüstung

Motor

- Fuel-Water Seperator Filter
- Oil heater

Generator

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

Steuerung

- Automatic synchronising and power control system (Multi

Transferpanel

- Three or four pole contactor

gen-set Parallel)
- Parallel system with mains
- Transition synchronization with mains
- Alarm output relays
- Earth fault, single set
- Parallel system with mains
- Remote relay output
- Remote communication with modem
- Charge Ammeter

- Three or four pole motor operated circuit breaker

Zusatzausrüstung

- Main Fuel Tank
- Automatic or manual fuel filling system
- Electrical or manual oil drain pump
- Low and high fuel level alarm
- Inlet and outlet motorized louvers
- Inlet and outlet acoustic baffles
- Tool kit for maintenance
- 1500/3000 hours maintenance kit
- Supplied with oil and coolant (-30°C)

Auspuff

- Residential Silencer
- Silencer Spark Arrester
- Critical Silencer
- Catalytic Convertor

Gehäuse

- Galvanized Coating
- ISO Container
- Marine Grade Paint

Optionales Generatorsteuerfeld

Please contact to your reseller for additional Alternator, Control Panel and Breaker Switch options.

Aksa-Zertifikate

Richtlinie

- 2006/42/EC : Machinery Safety Directive
- 2014/30/EU : Electromagnetic Compatibility Directive
- 2014/35/EU : Low Voltage Directive

Standards

- TS ISO 8528-5:2022 / TS EN ISO 8528-13:2018 : Reciprocating internal combustion engine-driven alternating current generating sets- Part:13: Safety

Quality Management Systems
ISO 9001:2015
ISO 14001:2015
ISO 45001:2018
ISO 50001:2018
ISO 27001:2013
ISO 10002:2018