



Einführung

Leistung

3 Phase, 50 Hz, PF 0.8

Spannung (V)	Bereitschaftsleistung (ESP)		HeaderContinuousRating		Standby-Strom
	kW	kVA	kW	kVA	
400 / 231					

„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	ACG 1160 LMN
Frequenz (Hz)	50
Motor Marke und Modell	Cummins QSK60G5
Marke und Modell des Generators	Mecc Alte ECO 46-1,5S/4A
Steuerung Modell	AGC-4 Mk II
Schalldämmhaube	OpenGenset

Motorspezifikationen

Allgemeine Daten

Hersteller	Cummins
Motor Modell	QSK60G5
Anzahl der Zylinder	16 cylinders - V type
Bohrung (mm)	159 (6,26)
Hub (mm.)	190 (7,48)
Hubraum (lt.)	60 (3683)
Ansaugung	Turbo Charged and After Cooled



Schmiersystem

Kraftstoffsystem

Elektrisches System

Kühlsystem

Abgassystem

Kraftstoffverbrauch

Eigenschaften des Generators

Hersteller	Mecc Alte
Generatormodell	ECO 46-1,5S/4A
Frequenz (Hz)	50
Leistung (kVA)	1480
Spannung (V)	400
Phase	3
Regler	DER1
Spannungsregulierung	0.5
Isoliersystem	H
Schutz	IP23
Nennleistungsfaktor	1
Gewicht kompletter Generator (kg)	3380
Temperaturerhöhungs-Klasse	F
Kühlungsluft (m³/min)	135

Abmessungen des offenen Aggregates

Length3	4730 (15,5)
Breite (mm)	2099 (6,9)
Height3	2972 (9,8)
	TBD

Steuerung

Hersteller	DEIF
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Steuerungsmodul Modell

AGC-4 Mk II

Kommunikationsanschlüsse

CANBUS



- Terminal 1-28, power supply
- Terminal 29-36, communication
- Terminal 37-64, in-/outputs/load sharing
- Terminal 65-72, governor, AVR, in-/outputs
- Terminal 73-89, AC measuring
- Terminal 90-97, in-/outputs
- Terminal 98-125, engine I/F
- Terminal 126-133, engine communication, in-/outputs
- LED I/F and Ethernet

Standardgeräte

- Additional CAN bus based I/O (9 x CIO modules)
- Redundant controller
- Redundant CAN bus for Power management
- N+X configuration
- Close Before Excitation / Run-up synchronization from 6 seconds
- DEIF digital AVR DVC550 support
- Multi purpose PIDs

Steuergerät

The AGC-4 Mk II is a configurable controller that can be used in applications ranging from a single controller for one genset, to complete power management systems. The controller contains the 3-phase measuring circuits and all the functions required to protect and control a genset. The controllers can also be used to protect and control mains connections, tie breakers, and bus tie breakers.

Bau und Fertigstellung

Controller: IP20. DU-2 display and AOP: IP40 (IP54 with gasket: Option L).
UL/cUL Listed: Type Complete Device, Open Type. To EN/IEC 60529

Installation

The controller is designed for mounting inside the panel. The DU-2 display can be installed on the panel door and connected to the controller with a display cable.

Standardspezifikationen

- Automatic Mains Failure sequence
- Multi-master Power Management
- Power Management Core (32dg)
- Power Management Extended (>32dg)
- RMB Transformer maintenance with up to 32 gensets
- PLC logic
- Engine CAN bus
- DIN rail mount
- Flexible Hardware



Optionen

- Terminal 1-28, power supply
- 8 to 36 V DC supply, 11 W; 1 x status output relay; 5 x relay outputs; 2 x pulse outputs (kWh, kvarh or configurable open collector outputs); 5 x digital inputs
- Terminal 29-36, communication
- Modbus RTU (RS-485)
- Profibus DP

Compliance-Liste des Control Panels

- EN/IEC 61010-1, installation category (over-voltage category) III, 600 V, pollution degree 2
- EN/IEC 60255-27 over-voltage category III, 600 V, pollution degree 2
- UL/ULC 6200:2019 1.ed, over-voltage category III, 600 V, pollution degree 2
- Gridcode compliant with: VDE AR-N 4110/4105 (Medium voltage, Germany, VDE AR-N 4105 (low voltage, Germany, EN 50549-1:2019 (Europe), ENA EREC G99 (United Kingdom)
- TÜV and UL approved
- Tier4 final/stageV

Statisches Batterieladegerät

Battery charger is manufactured with switching-mode and SMD technology and it has high efficiency.

Battery charger models' output V-I characteristic is very close to square

2405 has fully output short circuit protection and it can be used as a current source.

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.

Charge fail output is available.

Connect charge fail relay coil between the positive output and CF output.

Input: 196-264V.

Output: 27,6V 5A or 13,8V 5A.

