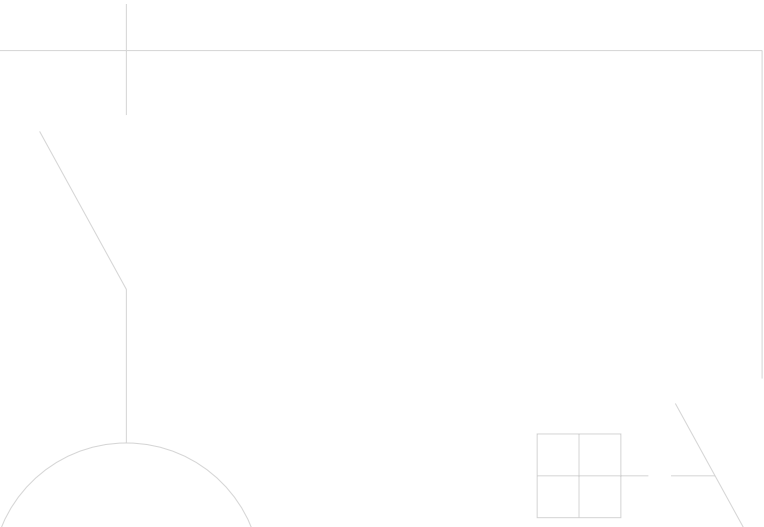


Synchronous Alternators

G Truck Line



A color palette consisting of 14 squares in two columns and seven rows, with various shades of blue. Below the palette is the WEQ logo, which consists of the letters 'WEQ' in a stylized, bold, blue font.



Synchronous Alternators

G Truck Line

WEG three-phase G Truck line alternators are manufactured in finned cast iron frames providing degree of protection IP56 and specific technical features to meet market requirements.

Application

The G Truck line alternators are used for supplying the electric system of cryogenic pumps on trucks and semi-trailers. The alternators are driven by the truck tractor or by another type of drive that supplies the required mechanical power and speed for its operation.

Machine Code

GSK160

G: G line synchronous alternator
S: Brushless without auxiliary coil
K: Totally enclosed, self-cooled
160: Frame (ABNT - IEC)

Technical Features

G Truck synchronous alternators are brushless and the exciter is supplied by the 12 or 24-Vdc battery of the vehicle. The main technical features are:

Frequency	120 Hz	60 Hz
Model	GSK160	GSK160
Power	30 kVA	15 kVA
Voltage	460 V	460 V
Exciting voltage	12/24 Vdc	12/24 Vdc
Exciting current	2/1 A	2/1 A
Speed	3600 rpm	1800 rpm
Overspeed	4320 rpm	2160 rpm
Degree of protection	IP56	IP56
Frame size	160 (ABNT/IEC)	160 (ABNT/IEC)
Mounting	B8/B3	B8/B3
Thermal class	180°C (H)	180°C (H)
Ambient temperature	40°C	40°C

Certifications

WEG quality system complies with the requirements of standards ISO 9001 and ISO 14001. In order to meet the most demanding market requirements, WEG alternators are certified by important Certification Bodies, such as C.S.A. (Canadian Standards Association), UL Underwriters Laboratories and is also supplied with CE Marking.



Grupo WEG
 Jaraguá do Sul - SC - Brazil
 Phone: +55 (47) 3276-4000
www.weg.net

Performance Features

Table below shows the performance features of the alternator in relation to load driven and frequency:

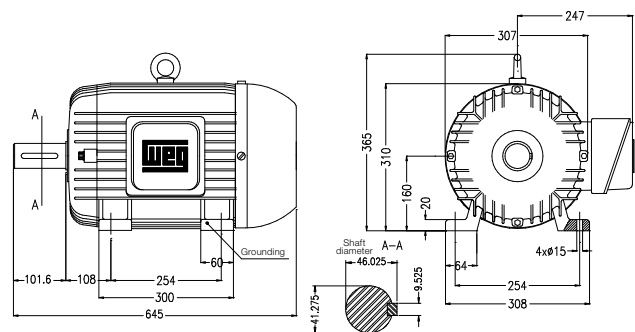
Alternators - 120 Hz

Load percentage (%)	Current (A)	Voltage (V)	Power (KVA)	Frequency (Hz)
25	0 - 38	90 - 120	7,5	30
50	0 - 38	210 - 250	15	60
75	0 - 38	350 - 400	22,5	90
100	0 - 38	460 - 520	30	120
120	0 - 38	560 - 620	36	144

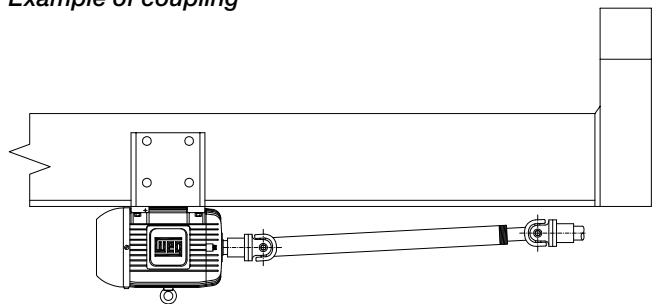
Alternators - 60 Hz

Load percentage (%)	Current (A)	Voltage (V)	Power (KVA)	Frequency (Hz)
25	0 - 19	90 - 120	3,7	15
50	0 - 19	210 - 250	7,5	30
75	0 - 19	350 - 400	11,2	45
100	0 - 19	460 - 520	15	60
120	0 - 19	560 - 620	18	72

Dimensional drawing



Example of coupling



- According to Standards: IEC 60034-1 - NBR 5117 - NEMA: MG1 VDE530 - CSA
- Altitude up to 1000 m.a.s.l.
- For other voltages, contact WEG.
- Illustrative drawings.
- Values may be changed without prior notice.