

Flameproof charging alternators

Category 2GD & M2

GALI

SE0102-CA_en-a



GALI charging alternators are designed to operate with internal combustion engines operating in hazardous environments where explosive atmospheres may be present due to flammable gases, vapors or combustible dust. These units are designed as reliable replacements for standard alternators under such ATEX-classified conditions.

The GALI charging alternators are designed to operate via drive belts and are ideal for industrial vehicles because of their reduced dimensions and installation versatility.

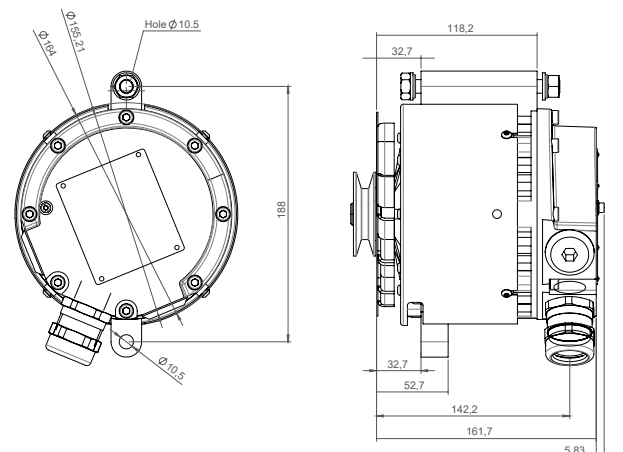
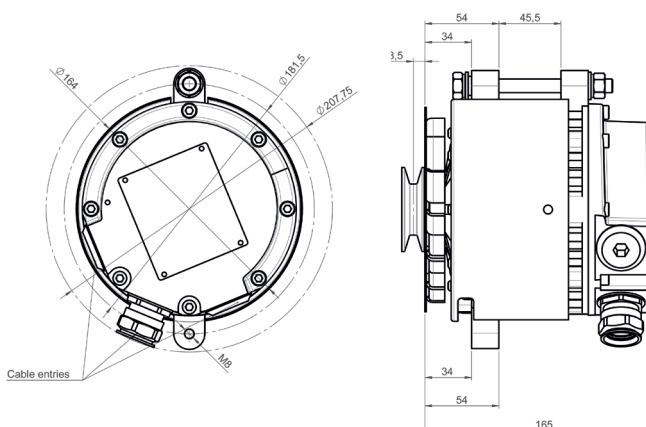
The charging alternators have been validated by the certified body Fiditas by the certification number ATEX N° EXA 15 ATEX 0038X rev2 and IECEx N° IECEx EXA 15.0011X rev2 for ATEX and IECEx, and MASC for South Africa, meeting stringent safety and performance requirements for use in explosive atmospheres.

Housing Materials: for 2GD, the housing is made of aluminum. When protection includes M2, the housing is made of stainless steel.

Technical Data

For 2GD and M2

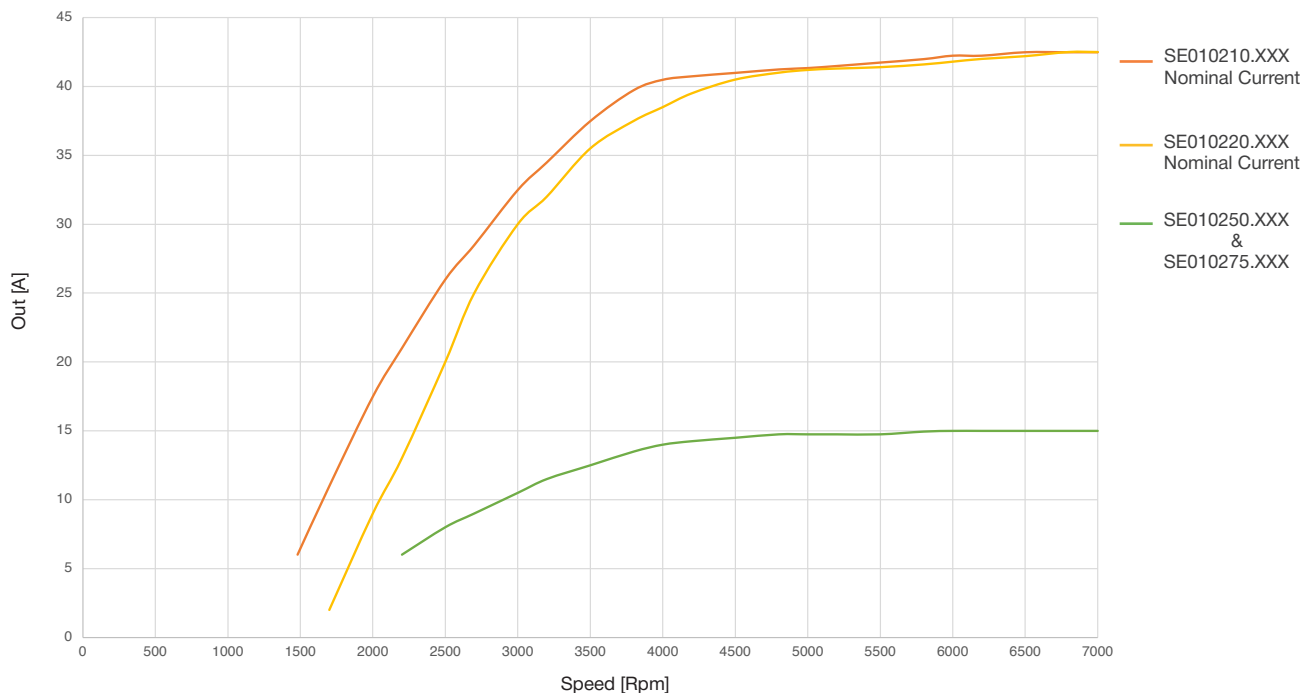
For 2GD (suitable to replace installed units)



Contact with GALI to
concrete the correct pulley

Flameproof charging alternators

Electrical values GALI generators



II 2G Ex db IIB+H2 T4 Gb

II 2D Ex tb IIIC T135°C Db

I M2 Ex db I Mb

Ambient temperature: -20°C to +60°C



II 2G Ex db IIB+H2 T5 Gb

II 2D Ex tb IIIC T100°C Db

I M2 Ex db I Mb

Ambient temperature: -20°C to +40°C

TECHNICAL DATA

Model	SE010210.XXX	SE010220.XXX	SE010250.XXX	SE010275.XXX
Nominal voltage	12V	12V	24V	24V
Nominal current*	42,5A	42,5A	15A	15A
Maximum current*	60A	60A	22,5A	22,5A
Maximum power	840W	840W	630W	630W
Excitation	With external resistance MAX: 39Ω 5W	Self excitable	With external resistance MAX: 75Ω 10W	Self excitable
Excitation speed	1480 rpm	1800 rpm	2380 rpm	2410 rpm
Maximum speed	7000 rpm			
Weight	6,7 Kg (2GD) 11,5 Kg (M2)	6,7 Kg (2GD) 11,5 Kg (M2)	6,7 Kg (2GD) 11,5 Kg (M2)	6,7 Kg (2GD) 11,5 Kg (M2)
Ambient temperature	-20°C ≤ temp. ≤ +60°C (T4) -20°C ≤ temp. ≤ +40°C (T5)			
Category	2GD / M2			
Gas group	IIB+H2			
Dust group	IIIC			
Type of mechanical protection	IP65			

* Minimum current of 4A for correct working (SE010220 / SE010275)

* Maximum time 10 minutes