Push-Back Tractor GPU

Ground Power Unit for push-back
90 / 120kVA – 115/200V - 400Hz

➲ Up to 120kVA Super Compact GPU for tractor integration

➲ Two designs :

✓Platform mounted for Tow-bar tractors
✓Skid mounted for Tow-bar less tractors

Main characteristics

Voltage	115/200V three phases + neutral
Voltage regulation	± 1%
Transient voltage	±3V <200ms, under load impact 0-80% or 80%-0
Power factor – cos φ	0,8
Frequency	400 Hz
Frequency regulation	± 1Hz
Transient frequency	±10Hz < 2s, under load impact 0-80% or 80%-0

Characteristics across the range

GPU model	Power kVA (cos φ 0,8)	Diesel engine type
GA100D	100	**Deutz** BF4M1013C 4 cylinders
GA120D	120	**Deutz** BF4M1013C 4 cylinders

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Engine

- Turbo diesel engine
- Water cooled
- Engine speed: 2182 rpm
- Electronic engine speed regulator EMR (Deutz) or GAC (Iveco)

Alternator

- GUINAULT type AS250
- 400Hz, 115/200V
- 22 poles, brushless
- GUINAULT electronic voltage PCB control board type RS525

Main assembly

- Steel frame, anti-corrosion coating
- Ground power unit mounted on sliding rails for an easy extraction

Safeties

Electrics

- Over voltage (130V)
- Under voltage (102V)
- Over frequency (420Hz)
- Under frequency (380Hz)
- Overload

Engine

- Over speed
- High temperature
- Low oil pressure
- Air filter clogging-up

Options

- Remote control box
- DFS400 double insulation
- Cold temperature engine starting kit
- Automatic stop of the unit if no line contactor is interlocked

Applications

- Available for any types of tractors.
- Already experienced on : Goldhofer AST1, Schopf F396E, Sovam K250, …

Dimensions

GPU model	Length (mm)	Width (mm)	Height (mm)	Weight (kg)
GA100D	1800	900	1200	1100
GA120D	1800	900	1200	1100

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