



Light Towers Petrol and Diesel

*Quality
driven energy* **GBAYGAR**




GESAN

Towers

lighting

GESAN present their new light towers with Petrol and Diesel generator sets.

Lighting

- **TG Range**
3,000 Watts - 3 lamps
- **TD Range**
9,000 Watts - 6 lamps

This new range of towers, characterised by its **Versatility** and **Safety** is **More Robust** and **Easier to Use**.

- 1 All of this is due to a structure with a **Monoblock** assembly, based on galvanised metal sections throughout the trailer-mast-shaft assembly.
- 2 They can be **Mechanically** or **Hydraulically** activated.
- 3 They can be supplied with site and road trailer with curved or articulated shaft.
- 4 Mast heights of 4.2 m (TG Series) and 8 m (TD Series).
- 5 Lighting power:
 - **Petrol Tower:** 66,000 lumen.
 - **Diesel Tower:** 198,600 lumen.

tower
PETROL

Diesel
tower

Diesel tower



TECHNICAL SPECIFICATIONS

Mast

Maximum height of mast	7.7 m (Mechanical) 8 m (Hydraulic)
Elevation	Mechanical/Hydraulic
Maximum winch load	350 kg
Raising/lowering mast	Winch (Mechanical) Button (Hydraulic)
Turning angle	-180/180 degrees
Sections	3
Maximum safe wind speed	70 km/h

Lamps

Total power of lamps	6 x 1,500 Watts
Type of lamp	Quartz-Iodine Halogen
Light Capacity	6 x 33,000 lumen
Voltage	400 Volts
Frequency	50 Hz
Lifetime of lamp	2,000 hours
Working temperature	90 °C
Connection protection index	IP 55

Scope of supply

Version A	Trailer with Tower
Version B	Trailer with Tower + Generator Set

Trailer Type

Site	
Road curved	
Road articulated	

Generator set



Lamps



Front view of the lamps

◀ Electric connection of the cable to the base panel of the generator set



General trailer



Steering wheel/
locking basket



Rotation base
of the tower



Anchoring legs



Elevation cylinder
(hydraulic version)

Characteristics of the generator set

Model	DPS 20
Generator set power	20.3/16.2 kVA/kW
Alternator power (cos fi = 0.8)	22.5/18 kVA/kW
Voltage	400/230 Volts
Frequency	50 Hertz
Tank	50.5 litres
Autonomy (50%-75%-100% load)	17.4-12.6-9.4 hours



Winch
(mechanical
version)



Elevation
control panel
(hydraulic version)



Lamp support base



Anchoring for lamps



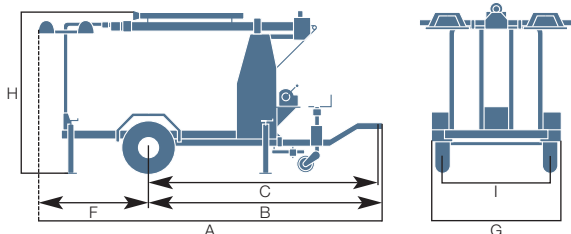
Plug for connection and anchoring

Towers

lighting

TOWER: MECHANICAL

Site trailer



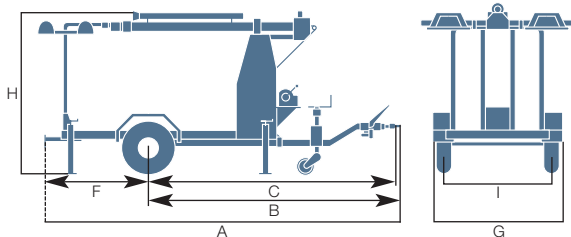
Dimensions and weight

A Maximum length	4,175 mm
B Maximum front overhang	2,790 mm
C Effective steering column length	2,740 mm
F Maximum rear overhang	1,385 mm
G Maximum width	1,540 mm
G' Maximum width (legs extended):	2,460 mm
H Maximum height	1,970 mm
I Width of primary axle	1,310 mm
Weight	580 kg
Coupling weight	100 kg
Maximum total mass	1,700 kg

Characteristics of the trailer

Type of suspension	Rigid
Surge brake	No
Parking brake	Yes

Road curved trailer



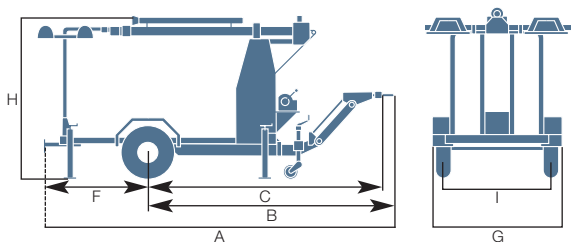
Dimensions and weight

A Maximum length	4,230 mm
B Maximum front overhang	2,845 mm
C Effective steering column length	2,795 mm
F Maximum rear overhang	1,385 mm
G Maximum width	1,540 mm
G' Maximum width (legs extended):	2,460 mm
H Maximum height	1,970 mm
I Width of primary axle	1,255 mm
Weight	605 kg
Coupling weight	100 kg
Maximum total mass	1,700 kg

Characteristics of the trailer

Type of suspension	Shafts with rubber inserts
Surge brake	Yes
Parking brake	Yes

Road articulated trailer



Dimensions and weight

A Maximum length	4,645/4,430 mm
B Maximum front overhang	3,045/3,260 mm
C Effective steering column length	2,995/3,210 mm
F Maximum rear overhang	1,385 mm
G Maximum width	1,540 mm
G' Maximum width (legs extended):	2,460 mm
H Maximum height	1,970 mm
I Width of primary axle	1,255 mm
Weight	660 kg
Coupling weight	100 kg
Maximum total mass	1,700 kg

Characteristics of the trailer

Type of suspension	Shafts with rubber inserts
Surge brake	Yes
Parking brake	Yes

Winch



Brake



Front lights



Taillights

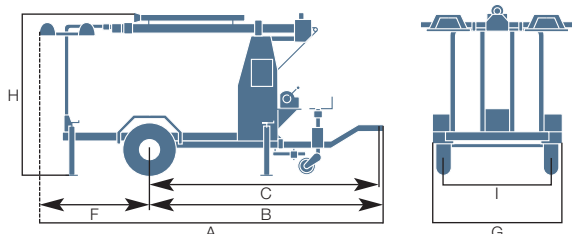


Articulated shaft



TOWER: HYDRAULIC

Site trailer



Characteristics of the trailer

Type of suspension	Rigid
Surge brake	No
Parking brake	Yes

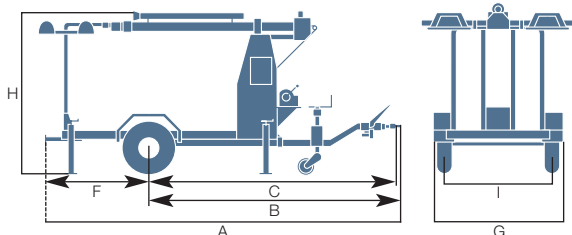
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Elevation
control panel



Road curved trailer



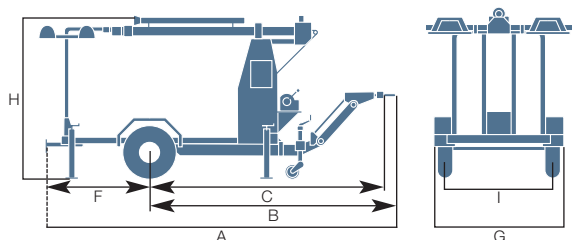
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Brake



Front lights



Taillights



Articulated shaft

Towers

lighting



Model G8/10 TF

tower PETROL

TECHNICAL SPECIFICATIONS

Mast

Maximum height of mast	4.2 m
Elevation	Manual
Maximum winch load	350 kg
Raise mast	Rotation direction, clockwise
Lower mast	Rotation direction, anticlockwise
Sections	3
Maximum safe wind speed	70 km/h

Lamps

Total power of lamps	3 x 1,000 Watts
Type of lamp	Quartz-Iodine Halogen
Light Capacity	3 x 22,000 lumen
Voltage	230 Volts
Frequency	50 Hz
Lifetime of lamp	2,000 hours
Working temperature	90 °C
Connection protection index	IP 55



BAYGAR

Lamps



Front view of the lamps

Dimensions and weight

Length (mm)	2,260	1.480
Width (mm)	1.100	1.750
Height, min.-max. (mm)	870	2.520-4.500
Weight (kg)	55 (160 with generator set)	

Scope of supply

Version A:	Without generator set
Version B:	With petrol generator set

Characteristics of the generator set (version B)

Model	G 8/10 Tf H
Generator set power	6,400 Watts
Alternator power (cos fi=1)	8,000 Watts
Voltage	400/230 Volts
Frequency	50 Hertz
Tank	18 litres
Autonomy (50/100% load)	13,5/7.5 hours
Control panel with ELCB	Yes
Wheels	Yes

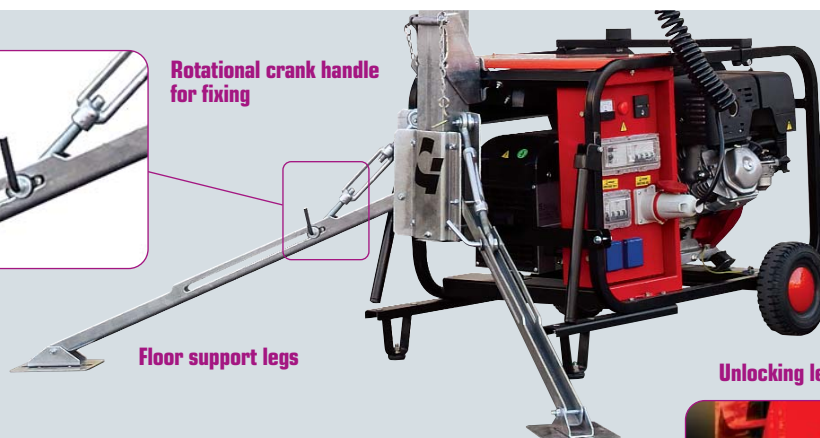
Group



Electric connection of the cable to the electric panel of the generator set



Rotational crank handle for fixing



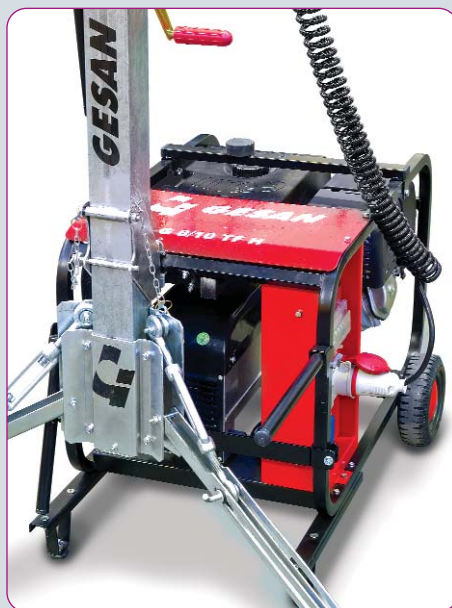
Floor support legs

Unlocking lever

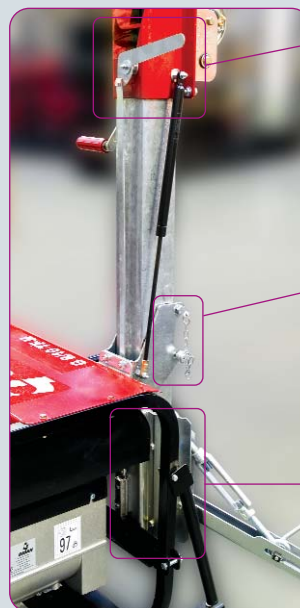
Mast



Winch



Anchoring and rotation point of the tower



Unlocking lever
Securing latch and pin for vertical position



Pin



Latch