

# ENERGYA CSSE

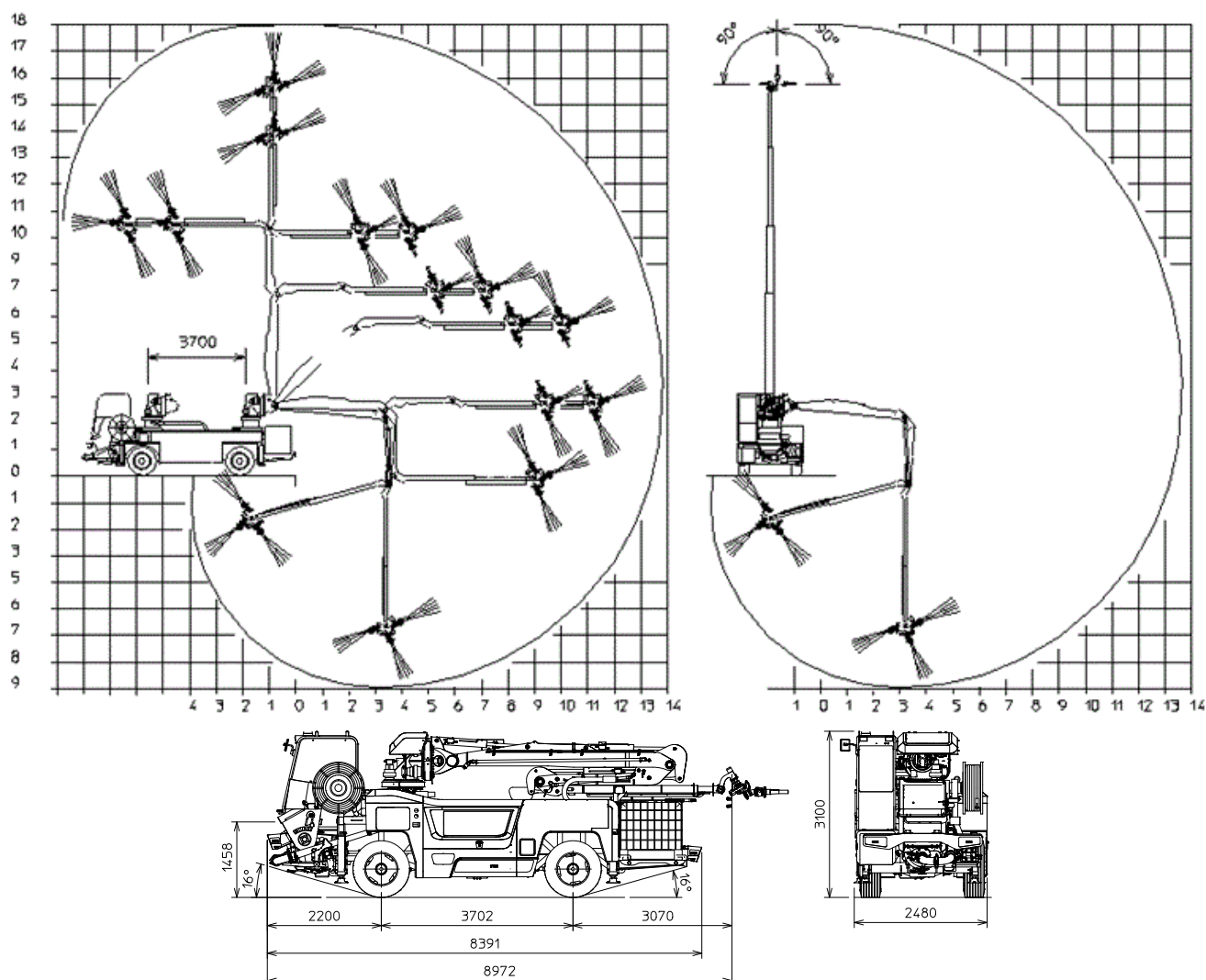
## PLUG-IN HYBRID MOBILE SHOTCRETE MACHINE

Shotcrete Boom  
Pumping Unit  
Shotcreting  
Chassis

CSSE  
PAS 307  
Electric  
2 axes



### Dimensions



# ENERGYA CSSE

## Description

ENERGYA CSSE is the new CIFA plug-in Hybrid Spritz System vehicle, adopting the latest technologies to increase work efficiency and reduce fuel consumption, costs, pollution and noise. CSSE allows for lower consumption. The vehicle can operate in electrical mode during all the working stages: traction, pumping, boom handling, additive dosing, water pump and carriage services. If the vehicle is connected to the mains during the pumping stage, it can simultaneously operate and charge its batteries, thereby further extending its operating life. Plus, it is fitted with Kers, the braking energy saving system that allows you to increase the residual charge.

## Standard equipment

- Driving cab
  - FOPS certification reversible driving position
- Chassis
  - 4 wheel drive
  - 4 wheel steering
  - axles planetary type ,Comer
  - 2 speeds
- Uniflux H1.0 dosing system,
  - peristaltic pump with hydraulic drive
  - electronic management,
  - flow control
- Concrete pump
  - electric operated
  - proportional flow regulation
  - electric vibrator fitted to the grid
- Electrical system
  - carrier:
  - 24 V
  - battery 2 x 120 Ah
  - front lights 2 x 55 W
  - rear lights 2 x 55 W
- Shotcreting operations:
  - 2 electric motors 25 kW, liquid cooled
  - working lights N°6 x 45W-4800 lumen xenon
  - working lights on hopper N°1 x 70W
- Nozzle brush movement
- Diesel power unit
  - Deutz F4L2011
  - three-phase synchronous alternator 400/230 Volt, 50 Hz
  - max. measuring current: 5Aca continuous / 10Aca per 30sec.
  - max. measurement voltage: 500Vca Phase/Phase
  - 12 Vcc / 150mA max.
  - air cooled,
  - power 30 kVA
  - standard silencer
  - fuel tank 100 l

## Main options

- ROPS certification
- Rear view camera

## Electrical devices

Installed power	<i>kW</i>	50
Voltage	<i>V</i>	96
Battery energy	<i>kW*h</i>	19
Standard charging mode (on-board)	3-phase 380V/400V - 18A	
Standard charging time (on-board) *	<i>h</i>	2

\* from 0% to 100% of charge

## Pumping Unit Technical Data

Model		PAS 307
Theoretical output (Min ÷ Max)	<i>m³/h</i>	5 ÷ 30
Max. pressure on concrete	<i>bar</i>	65
Max. number of cycles per minute	<i>n</i>	16
Concrete cylinders (diam. x stroke)	<i>mm</i>	200X1000
Hopper capacity	<i>l</i>	300

## Placing Boom Technical Data

Model		CSS-3
Turret vertical rotation angle		±180°
Turret horizontal rotation angle		±180°
1st section lifting angle		+90° -5°
2nd section lifting angle		180°
3rd section lifting angle		270°
3rd section telescopic extension	<i>m</i>	1,8
Longitudinal nozzle rotation		180°
Transversal nozzle rotation		±90°
Boom longitudinal sliding stroke	<i>m</i>	3,7

## Dosing System Technical Data

Model		Uniflix H1
Theoretical output (Min ÷ Max)	<i>l/min</i>	1 ÷ 21
Max pressure	<i>bar</i>	13
Accelerator tanks	<i>l</i>	2 x 1000

## Truck Chassis Technical Data

Model		Shottruck 2
Installed power	<i>kW</i>	50
Turning circle	<i>m</i>	5,2
Wheelbase	<i>m</i>	3,7
Coupling angle		16,5°
Outlet angle		18,5°
Truck tyres		16x24
Net Weight (dry)	<i>Kg</i>	16000
Max. Weight	<i>Kg</i>	17500

Technical data and characteristics subject to modifications without notice



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