

## Cifa Spritz System 3 CSS-3 EVO

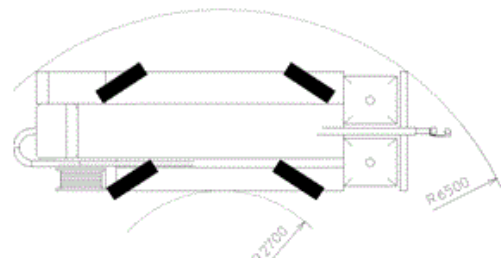
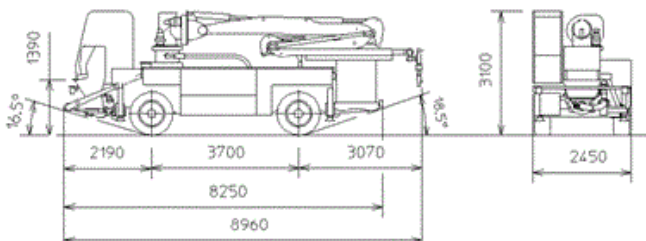
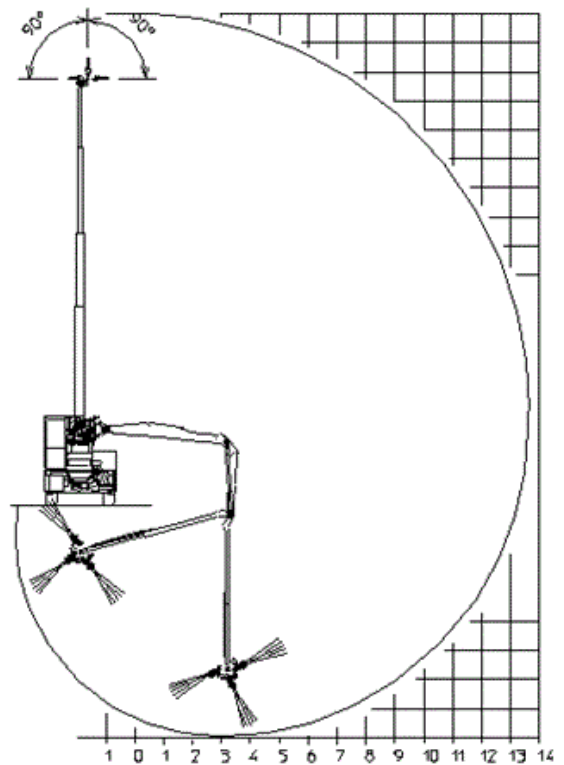
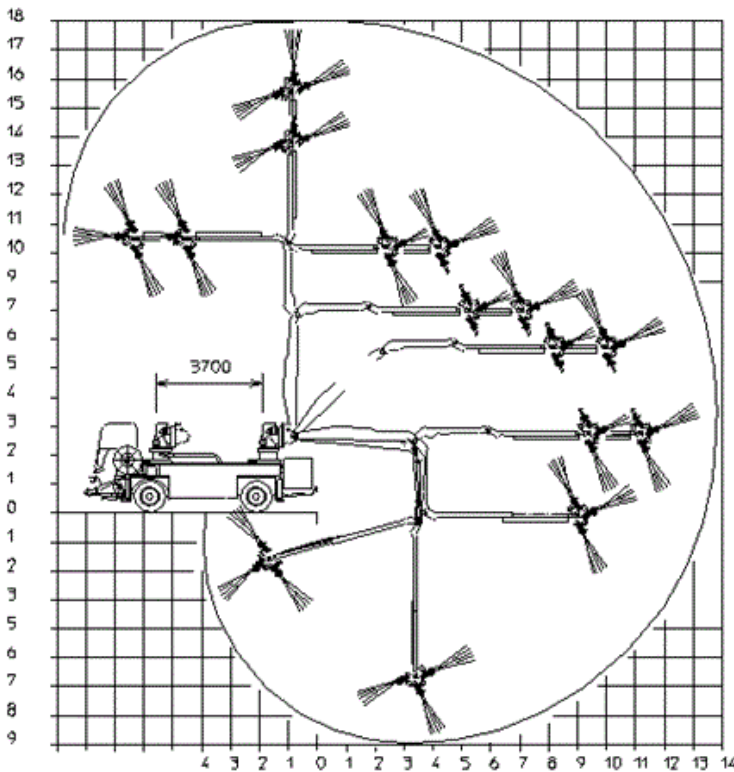
### TRUCK-MOUNTED SPRAYED CONCRETE BOOM PUMP

Shotcrete Boom  
Pumping Unit  
Shotcreting  
Chassis

CSS-3  
PAS 307  
Diesel/Electric  
2 axles



#### Dimensions and Performances



# CSS-3 EVO

## Main Features

- Diesel engine
  - TD3.6 L04 Step 3B with DPF, liquid cooled
  - D914L05 Step 3A, air cooled
- Driving cab
  - FOPS certification reversible driving position
- Carrier chassis
  - 4 wheel drive
  - 4 wheel steering
  - axles planetary type ,Dana Spicer
  - 2 speeds
    - 1st. gear max. 8 km/h
    - 2nd gear max 26 km/h
- Uniflux H1.0 dosing system,
  - peristaltic pump with hydraulic drive
  - electronic management
- Concrete pump
  - Diesel and Electric operated
  - proportional flow regulation
  - electric vibrator fitted to the grid
- Proportional radio-remote control
  - n°2 transmitters
  - safety cable
- Washing system:
  - high pressure water pump, 50 l/min – 50 bar,
  - hydraulic drive
  - nozzle and 10 m of pipe
  - water tank , 600 l
  - handpump for concrete anti-adhesion protection
- Automatic lubrication in 8 points for:
  - S valve,
  - pumping group mixer,
  - boom sliding turret and boom double trust block
- Electrical system
  - Carrier:
    - 24 V
    - battery 2 x 120 Ah
    - alternator 55 A
    - front lights 2 x 55 W
    - rear lights 2 x 55 W
  - Shotcreting operations:
    - electric motor ABB 55kW IE3
    - working lights N°6 x 45W-4800 lumen xenon
    - working lights on hopper N°1 x 70W
- Nozzle brush movement
- One colour painting, RAL 2000

## Main options

- Air compressor (75 kW, 11.500 l/min, max 7,5 bar)
- Additives heating system
- ATEX configuration
- Configuration complying with Swiss regulation for underground operation (for Swiss market only)
- Cold climate oil
- Low flammable oil
- Fire suppression system on Diesel engine compartment
- Rear view camera
- ROPS certification

The use of the product must not exceed 2000 metres in elevation above sea level. Above this elevation the correct operation of the system is impaired and this case has to be previously notified to CIFA.

## TRUCK-MOUNTED SPRAYED CONCRETE BOOM PUMP

<b>Shotcrete Boom</b>	CSS-3
<b>Pumping Unit</b>	PAS 307
<b>Shotcreting</b>	Diesel/Electric
<b>Chassis</b>	2 axles

## Pumping Unit Technical Data

Model		PAS 307
Theoretical output (Min ÷ Max)	m³/h	5 ÷ 30
Max. pressure on concrete	bar	65
Max. number of cycles per minute	n°	16
Concrete cylinders (diam. x stroke)	mm	200X1000
Hopper capacity	l	300
Installed power (electric – diesel)	kW@rpm	55 - 65@1900

## 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	m	1,8
Longitudinal nozzle rotation		180°
Transversal nozzle rotation		±90°
Boom longitudinal sliding stroke	m	3,7 / 3,0**

\*\* if the optional "air compressor" is chosen

## Dosing System Technical Data

Model		Uniflux H1
Theoretical outpute (Min ÷ Max)	l/min	1 ÷ 21
Max pressure	bar	13
Accelerator tanks	l	2 x 1000

## Truck Chassis Technical Data

Model		Shottruck 2
Installed power	kW@rpm	72@2300 (3A) 90@2300 (3B)
Turning circle	m	5,2
Wheelbase	m	3,7
Coupling angle		16,5°
Outlet angle		18,5°
Truck tyres		16x24
Net Weight (dry)	Kg	13400 / 14900**
Max. Weight	Kg	16000

Technical data and characteristics subject to modifications without notice

