

Cifa Spritz System 3 CSS-3 EVO

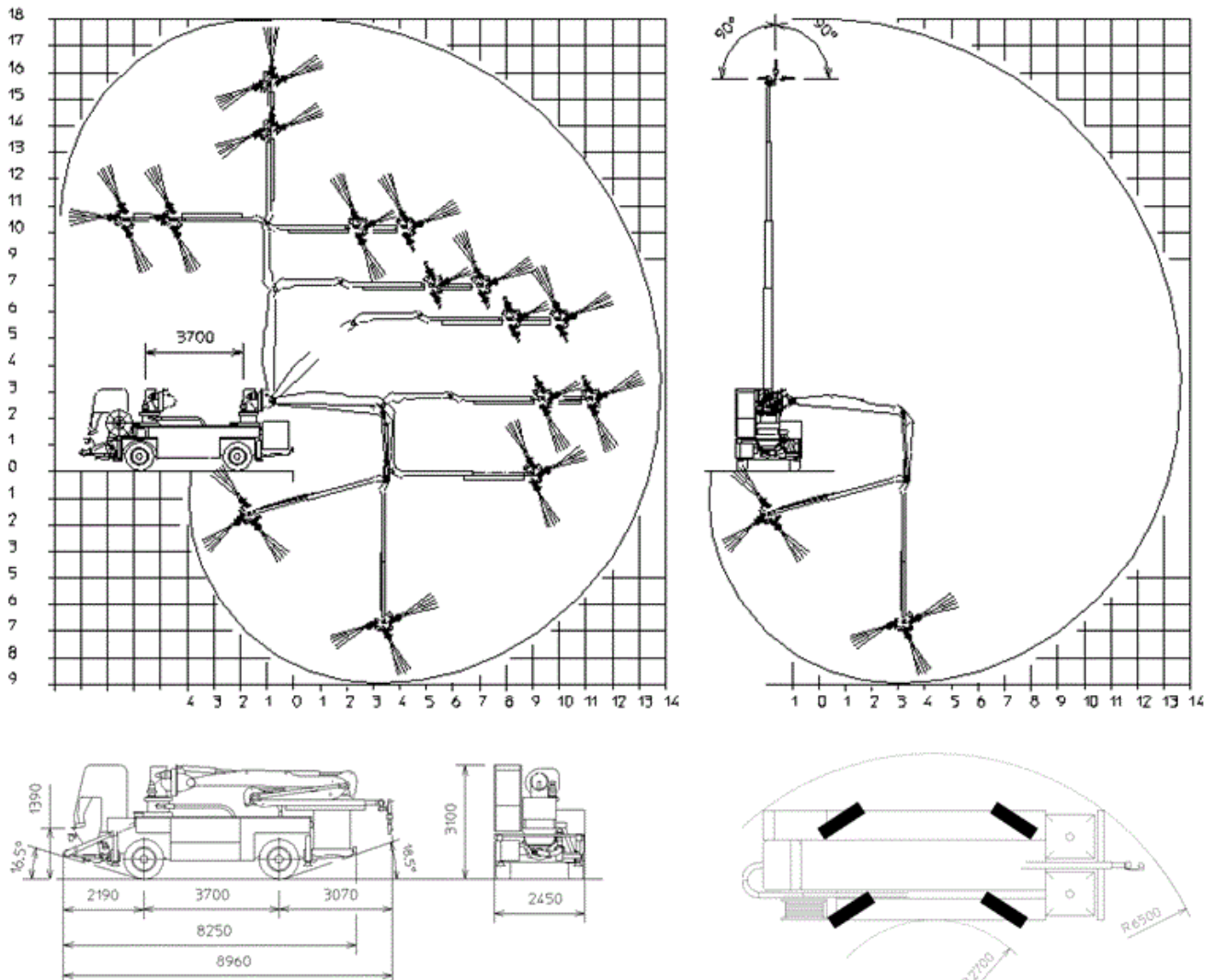
TRUCK-MOUNTED SPRAYED CONCRETE BOOM PUMP

Shotcrete Boom
Pumping Unit
Shotcreting
Chassis

CSS-3
PAS 307
Diesel/Electric
2 axles



Dimensions and Performances



CSS-3 EVO

Main Features

- Diesel engine
 - D914L05 Step 3A, air cooled 72 kW
 - TD3.6 L04 Step 3B, liquid cooled 90 kW
 - 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 ASP25
 - 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
- Cold climate oil
- Low flamable oil
- Fire suppression system on Diesel engine compartment
- Rear view camera
- ROPS certification
- Peristaltic pump with hydraulic drive ASP15 or peristaltic pump with hydraulic drive ASP32

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.

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

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
Installed power (electric – diesel)	<i>kW@rpm</i>	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	<i>m</i>	1,8
Longitudinal nozzle rotation		180°
Transversal nozzle rotation		±90°
Boom longitudinal sliding stroke	<i>m</i>	3,7 / 3,0**

** if the optional "air compressor" is chosen

Dosing System Technical Data

Model		Uniflux H1
Theoretical outpute (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@rpm</i>	72@2300 (3A) 90@2300 (3B)
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>	13400 / 14900**
Max. Weight	<i>Kg</i>	16000

Technical data and characteristics subject to modifications without notice

