



Spraycon is a concrete sprayer machine specially designed for mining and underground works. Its dual system (The possibility of doing all its functions both by diesel engine either electrical engine), allows it to work by diesel or by electricity indistinctly without doing any special operation but just turning the switch to the desired position.

GENERAL SPECIFICATION

CHASSIS: Monoblock tubular structure specially designed for heavy duty underground and mining works.

TECHNICAL DATA:	Articulations	2
	Telescopio extension	3,2 m
	Forearm with turn of +/- 70°	1.0 m
	Vertical reach of nozzle with the arm at 60°	13.2 m
	Maximum working height (Max. height of tunnel))	14,6 m
	Horizontal reach of nozzle	11,6 m
	Max. Horizontal working distance	13,1 m
	High pressure pipes and hoses Ø	75 mm
	Projector with turn, inclination and rotation of the nozzle	DN 65 mm
	Total weight of machine	15.500 kg

ENGINES: Diesel: PERKINS 1104D-44TA of 96 kw (130HP) at 2.400 r.p.m., water cooled..
Electric: LAFERT model AMC250MN4 of 55kw (77HP) at 1.500 r.p.m. at 380-420 V and 50Hz with IP 65Hz protection and provided with PTC probe to protect it by temperature

TRANSMISSIONS: **Translation:** hydrostatic automatic regulated. Electric lever for changing movement direction.
Linde Pistons pump model HPV 75 (75 cc) variable flow applied to the box.
Linde pistons translation engine model HMV 105 (105 cc) Variable cylinder capacity mounted onto the reducer carcass.
Pumping: Bosch-Rexroth A10V95 (95 cc) pistons pump applied by dual box to the engines.
Arm: gears pump A10V028 applied to dual reducer.
Services: gears pump (16cc) applied to translation pump, used for brakes and steering
Agitator: gears pump (11cc) applied after pumping pump.
Triple pump that includes:

- Box movement: gears pump (8 cc).
- Brush: gears pump (5 cc) applied to dual reducer, activate the turn of spraying nozzle.
- Legs and high pressure pump (27 cc).

El fabricante se reserva el derecho de variar cualquier característica sin previo aviso, si lo considera conveniente para la mejora de sus máquinas.

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BRAKES:

Internal discs oil bathed on the four wheels by hydraulic action, with a reserve brake with the engine stopped for safety Negative parking brakes on rear axle, hydraulic activated.

DIFERENTIAL AXLES:

Loading capacity per axle 8000kg

STEERING:

Four wheel drive.

DOSING UNIT:

Boyser peristaltic pump according to all additives, synchronized to the concrete pump. Manually regulated by potentiometer. Max. Working pressure 15 bar, Max. flow 12 litres.

SPRAYER ARM:

Double articulation, telescopic section and forearm for easing the concrete spraying works onto rear side of truss and girders, equipped with wired remote control and local manual levers.

PUMPING BATTERY:

Equipped with SCHWING valve ROCK type with reduced wear and easy cleaning, with automatic adjustment of the ring of cut by a pre-stretched rubber spring. Open hydraulic circuit with long-life Bosch-Rexroth pump. Block of valves of big section with minimum pressure loss to assure high efficiency and low demand of fuel.

Max. output capacity	30 m ³ /h
Max. Pressure on concrete	67 bar
Ø transport cylinders	200 mm
Lift of piston	750 mm

STANDARD EQUIPMENT:

SCHWING pump with block for quick change of the ROCK valve
Manual agitator with safety valve on the grid.
Agitator on hopper .
Multi-articulated arm.
Sprayer head with three movements.
Projector with hoses for additives and air.
Four hydraulic legs for leaning on.
Electric control case
Oil tanks with filters and radiator.
Proportional remote control with 15 meters wire.
Painted machine in one colour.

Dual System: All movements of the arm and pump can be done activating the electrical or diesel engine of the machine.

COILER:

Hydraulic coiler, with 50 meters of wire.

EXTRAS:

COMPRESOR.

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