

# CONCRETE SPRAYING EQUIPMENT

## SPJ 3017K

### Accurate and Reliable Controls

- Accurate and precise boom and nozzle control
- Automatic synchronization of accelerator dosage and concrete flow
- Emergency system for swift support in case of loss of electric power

### Cost-effective pumping

- Hydraulic flow reversing impact decreased by 10%
- 240° spray coverage area reduces number of set ups for spraying
- Optimized hydraulic cylinders filling ratio

### Robust and Agile Build

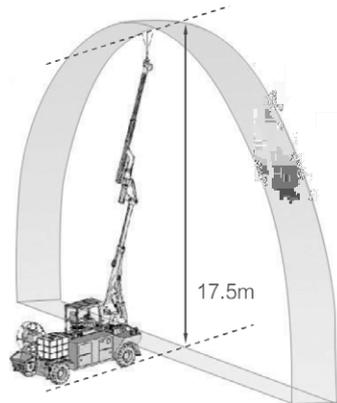
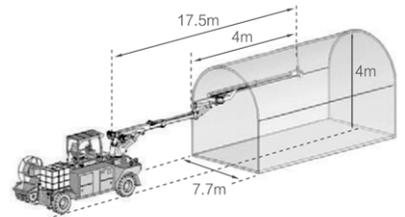
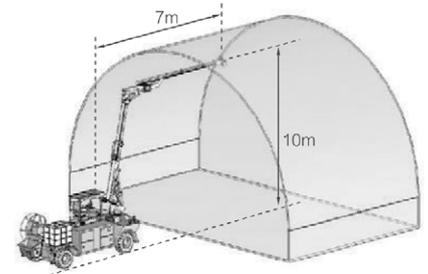
- 4-wheel steering/driving allows flexibility and manoeuvrability
- Telescopic boom can be deployed in minimum tunnel cross section
- Pentagonal cross section of boom provides sturdiness, stability and durability



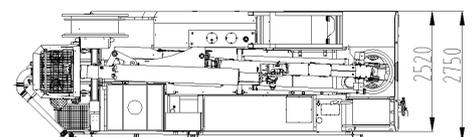
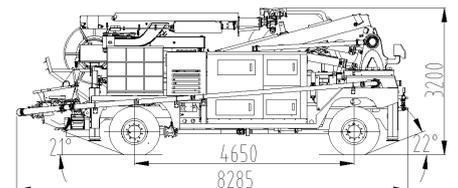
## Technical Specifications

Description		SPJ 3017K
OVERALL SPECIFICATION	Length (mm)	8285
	Width (mm)	2550
	Height (mm)	3130
	Total weight (kg)	17600 (incl. air compressor)
SPRAY BOOM AND NOZZLE HEAD	Max. spraying reach vertical (m)	17.5
	Max. spraying width (m)	30
	Max. spraying reach horizontal (m)	15
	Base arm rotation angle	270°
	Maximum base arm angle	+60°/ -23°
	Base arm telescopic stroke (m)	2
	Top arm rotation angle	+180°/ 60°
	Maximum top arm angle	+30°/ -62°
	Top arm telescopic stroke (m)	2
	Number of axles /degrees of freedom	9
	Lights of spraying arm	2 spotlights 100W, LED
	Nozzle rotation	360°
	Nozzle inclination	+120°/ -120°
	Operational mode	Wireless remote control
	Conveying hose diameter (mm)	Ø 80
	PUMPING SYSTEM	Max. flow (m <sup>3</sup> /h)
Max. aggregate size (mm)		16
Concrete conveying pressure (bar)		80
Number of strokes per minute (theor.)		20
Concrete cylinder diameter (mm)		180
Stroke (mm)		1000
Hydraulic system		Open
Hydraulic system oil pressure (bar)		230
Hopper capacity (m <sup>3</sup> )		0.35
Filling height (m)	1.5	

### SPRAYING AREA

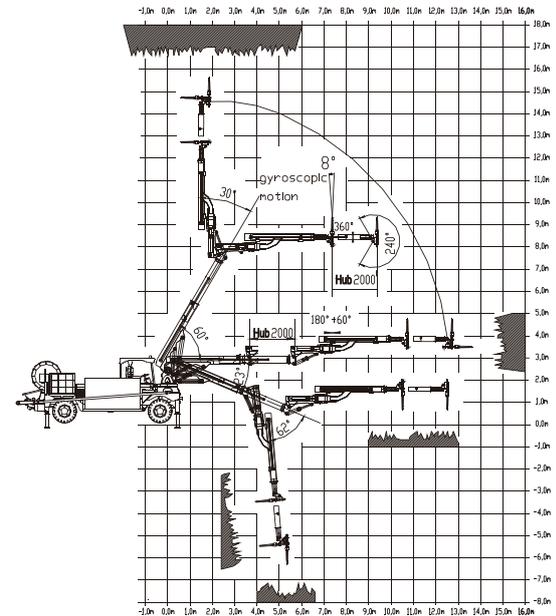


### DIMENSIONS

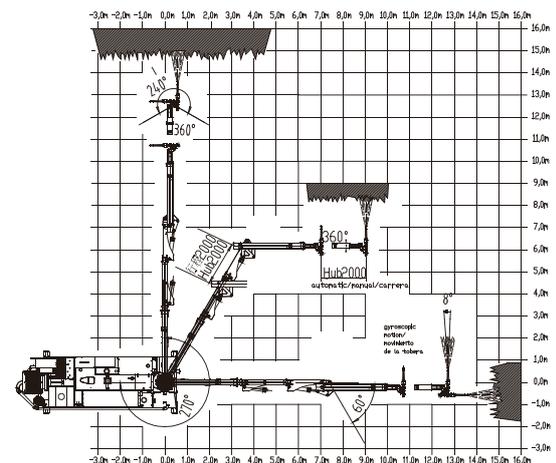


Description	SPJ 3017K	
<b>CHASSIS</b>	Chassis model	Self manufactured
	Engine type	D05DS3T8
	Engine power (kW/rpm)	90Kw/2200rpm
	Emissions	Euro III
	Transmission	Hydrostatic
	Gearbox	2-speed
	Steering	Four-wheel steering (4WS), crab mode
	Traction	Four-wheel drive (4WD)
	Max. driving speed (km/h)	20
	Braking system	Service brakes: 4-wheel hydraulic multi-disc brake in oil bath, independent circuits on both axles. Parking brakes: negative, manual
	Driver cabin	Open, 180°swivel seat
	Hydraulic oil tank (L)	320
	Diesel tank (L)	95
	Turning radius (m)	Inner: 3.5; Outer: 5.6
<b>ACCELERATOR PUMP</b>	Model	Bredel 20
	Supplier	Netherlands SPIRAX
	Adjustment range (L/h)	80-800
	Max. working pressure (Bar)	12
<b>CABLE REEL</b>	Operation	Hydraulic
	Cable length (m)	50 (100 optional)
	Cable diameter (mm)	3x95
<b>ACCELERATOR PUMP</b>	Max. pressure (bar)	100
	Flow (L/min)	20
	Hose length (m)	15
<b>AIR COMPRESSOR</b>	Type	SG75A
	Capacity (m <sup>3</sup> /min)	12
	Working pressure (bar)	8
<b>REQUIREMENT FOR EXTERNAL AIR COMPRESSOR</b>	Type	External air compressor (provided by the user)
	Capacity requirement (m <sup>3</sup> /min)	10-12
	Pressure requirement (bar)	3-8 (adjustable)

## VERTICAL SPRAYING REACH



## HORIZONTAL SPRAYING REACH



# Concrete Solutions

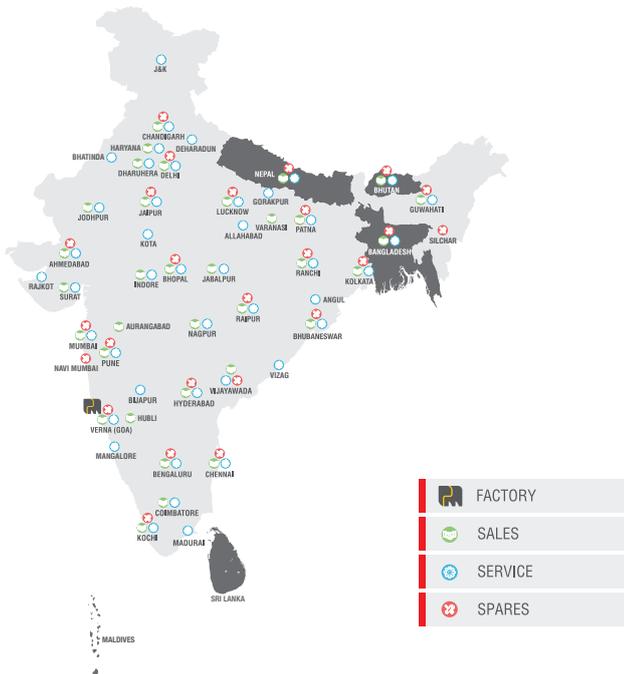
## Concrete Solutions from Putzmeister and Sany

Putzmeister is a world leading solution provider for pumping, mixing and placing concrete, mortar and industrial solids. For over 60 years Putzmeister Concrete Solutions have been utilized by construction, infrastructure, mining, energy and environment sectors in a wide range of environments and application conditions all over the world.

Sany is an industry-leading global manufacturer of construction and mining equipment, port machinery, oil drilling machinery and renewable wind energy systems. The company is the largest manufacturer of concrete equipment in the world.

Whatever the construction challenge, our team has the experience and know-how to provide you with the right equipment, application support and guidance, service, training and spare parts.

### After Sales & Parts Service - India



## Concrete Equipment Range

PUTZMEISTER		
	<b>STATIONARY PUMP</b> 20 – 100 m <sup>3</sup> /hr	<b>PLACING BOOM</b> 28, 32 and 35
PUTZMEISTER / SANY		
	<b>MOBILE LINE PUMP</b> 40 – 70 m <sup>3</sup> /hr	<b>TRUCK MOUNTED PUMP</b> 36m   42m   47m boom
PUTZMEISTER / SANY		
	<b>TRUCK MIXER</b> P6   P7   P7 PTO   P8 PTO   P10 PTO	<b>BATCHING PLANT</b> 20 m <sup>3</sup> /hr – 120 m <sup>3</sup> /hr
SANY		
	<b>STATIONARY PUMP</b>	<b>TRUCK MOUNTED PUMP</b> 30m   37m boom

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