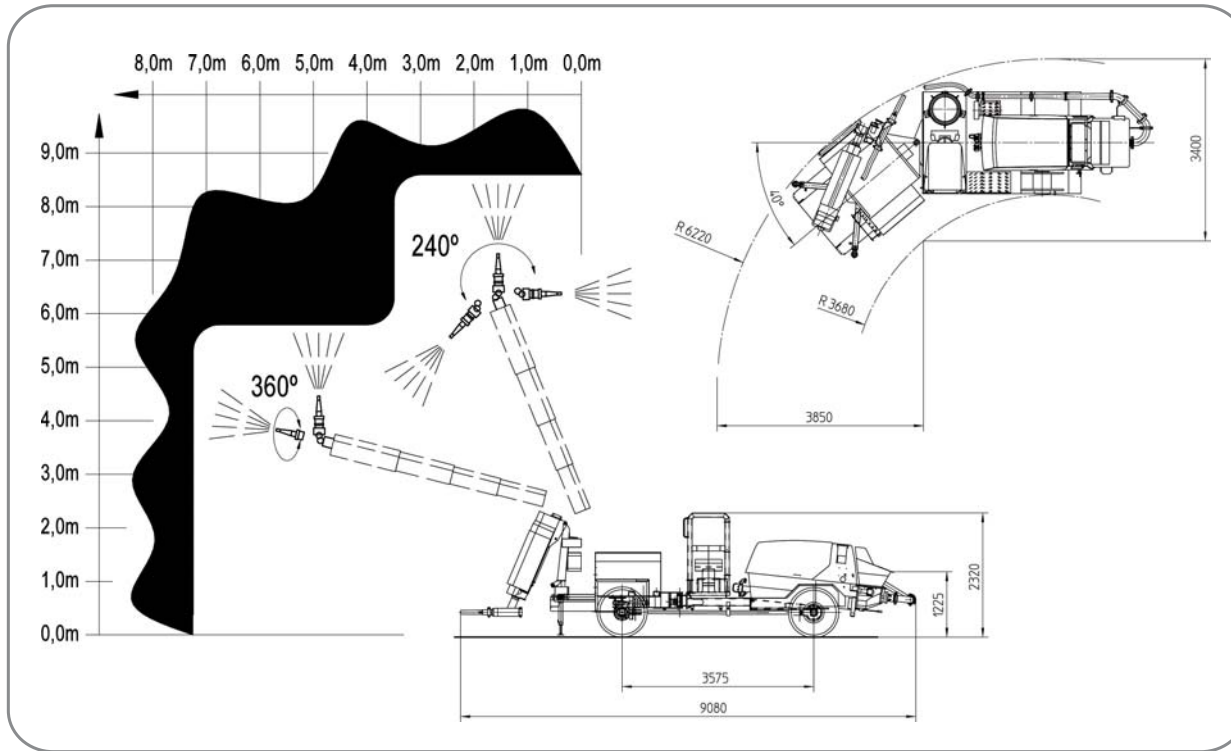
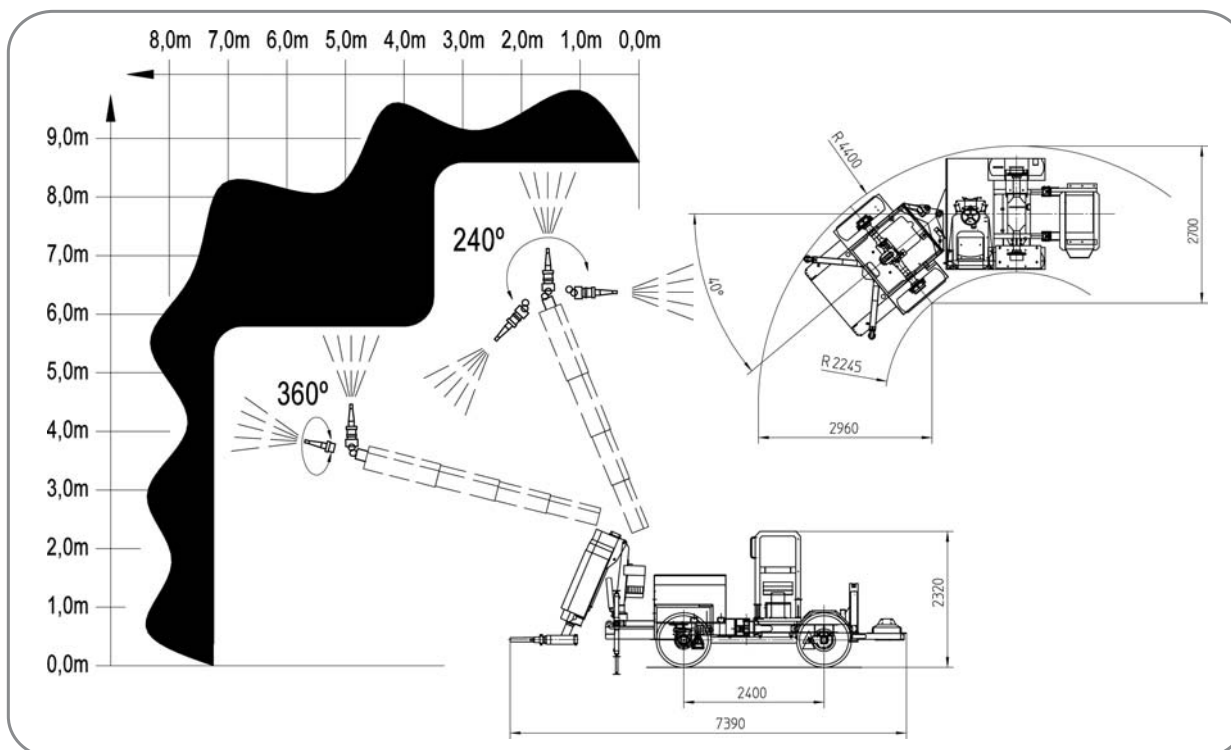


Working ranges

Sika®- PM407 P and Sika®- PM407 PD



Sika®- PM407 R



The content of this document has been designed with the utmost care, never the absolute precision of the contained information of the lack of mistakes can not be assured, therefore this is not to be considered as an entailing document but as an informative one. All orders are accepted subject to our current terms of sale and delivery. We reserve the right to make technical and construction modifications. The values written within express performance under optimal theoretical conditions. Please refer to the machines technical documentation for maintenance and operation instructions.

Sika®- PM407

Technical data



Sika®- PM407 P

Universal Concrete spraying system

The Sika®-PM407 is a sturdy mechanised universal concrete spraying system especially developed for the use in small tunnels and mines. The system consists of a diesel driven vehicle and a spraying boom Aliva®-302.

Uses: The modular concept allows the following variants:

- Concrete pump PM BST 715 (electric/Diesel)
- Concrete rotor pump Aliva®-263
- Liquid dosing unit Aliva®-403.5
- Additive tank
- Cable reel with 50 m, manually driven

Tunnelling & Mining

TS 3943 GB

Dimensions

	Sika® - PM407 P	Sika® - PM407 PD	Sika® - PM407 R
Transport length	7150 mm	7250 mm	5400 mm
Transport width	1900 mm	1900 mm	1900 mm
Transport height	2550 mm	2600 mm	2550 mm
Rotating radius	2750 / 5050 mm	2750 / 5050 mm	2300 / 4400 mm
Ground clearance	270 mm	270 mm	270 mm
Angle of slope			
Front	17°	17°	17°
Rear	15°	15°	16°
Weight	6175 kg	5610 kg	5950 kg

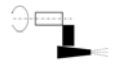


Carrier

PSM153P	
Drive	diesel
Motor output	41,7 kW
Cooling	air
Speed approx.	20 km/h
Steering	hydraulic cylinder (articulated vehicle)
Cable reel	
Voltages	400 V 50 Hz 440 V 60 Hz
Cable length	50 m
Roll up	manually
Roll off	manually

Additive dosing

Aliva®-403.5	
Motor output	1,1 kW
Conveying capacity	30-700 l/h

Telescopic spraying arm

Spraying arm Aliva®-302			
Motor output	5,5 kW	Arm stroke	2,9 m
Voltages	400 V 50/60 Hz	Swing angle arm	180°
	440 V 60 Hz	Spraying head	360° 
	220 V 50 Hz		240° 
Protection	IP 43	Nozzle	
Oil pressure	180 bar		

Concrete pump

	PM BST 715	Aliva®-263
Operating principle	piston pump	rotor
Cylinder diameter	150 mm	-
Stroke length	700 mm	-
Conveying transport (theoretical)	4-20 m³/h	4-15 m³/h
Concrete pressure approx.	70 bar	-
Air pressure approx.	-	7 bar
Grain size approx.	16 mm	20 mm
Motor output electric	30 kW	5/7,5 kW
Motor output diesel	34 kW	-
Protection	Ip54	Ip55

Options

	High pressure cleaner (Sika® - PM407 P y PD)	Water-pressure pump Aliva®-225* (Sika - PM407 R)
Drive	electric	-
Motor output	5,5 kW	1,1 kW
Conveying capacity	15 l/min	10-70 l/min depending on the pressure
Conveying pressure	200 bar	10 bar

*advisable use for dry shotcreting