

MEYCO ME5

Mobile concrete spraying for
large sized tunnels

Atlas Copco



DEPENDABLE CONCRETE SPRAYING

ACCURATE ECONOMICAL CONCRETE SPRAYER.

+ BETTER THAN EVER

Productivity heightened with improved pumping efficiency

Accuracy increased with improved boom operation

Safety ensured by under-dosage prevention
and a fail safe conveying system

Extended range, rugged, spraying head equipped
with optional directed working light

Large diameter concrete
conveying system





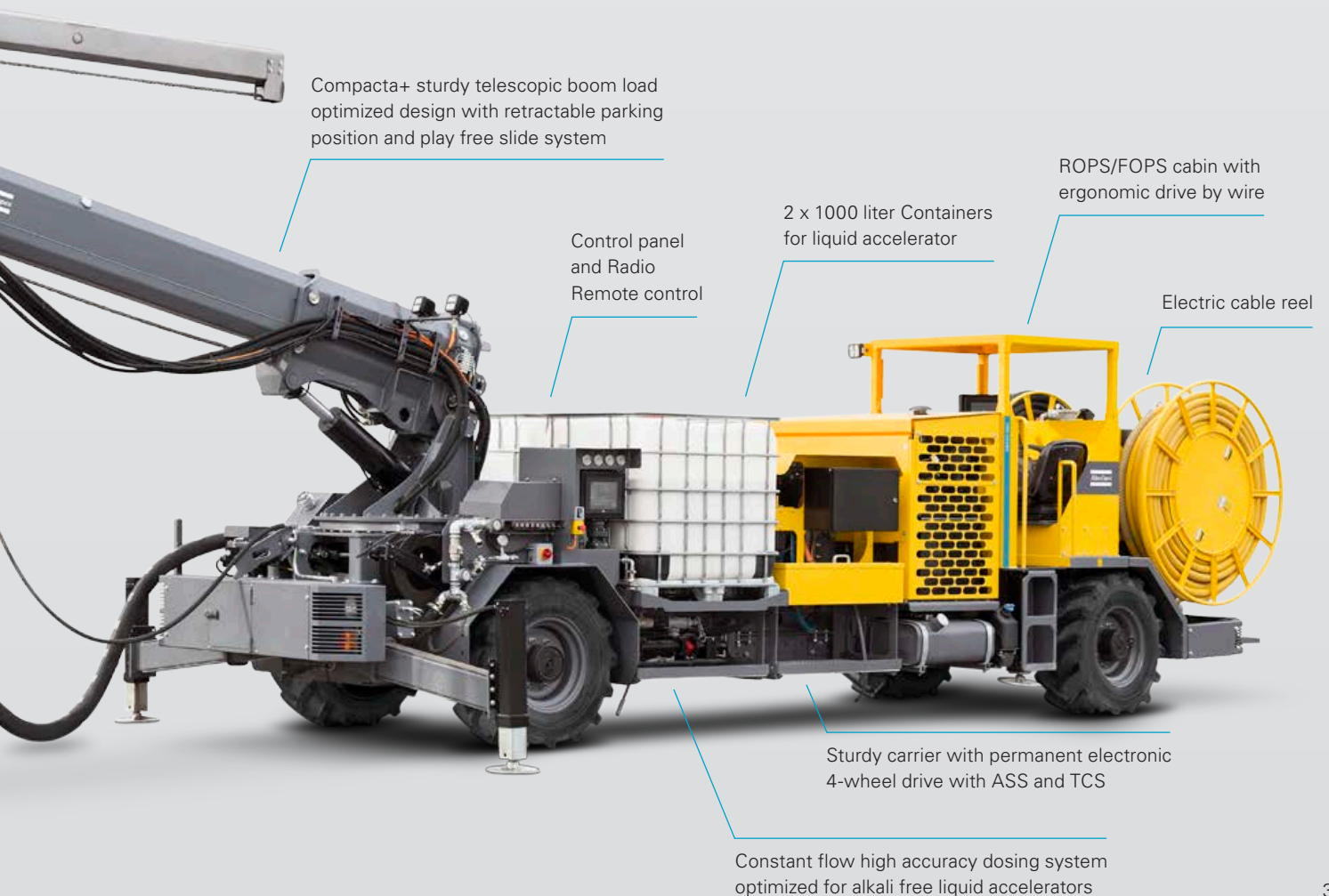
75 kW onboard compressor for optimal compaction of sprayed concrete.



Redundant and single point control panel for all functions and operation overview.



Complete machine function set controllable from standard Radio Remote Control.



MEYCO ME5 PLUG AND SPRAY

QUICK START UP FOR QUALITY CONCRETE SPRAYING.



+ IMPROVED PRODUCTIVITY

- Closed loop controlled constant flow liquid accelerator dosing system with high accuracy
- Flow meter for robust online measuring of a vast variety of accelerator types
- Meyco SE30 double piston pump with a super fast switchover resulting in constant concrete flow
- Single push button concept for intuitive and speedy operation



+ REFINED ACCURACY

- Intuitive operator interface allows easy startup, operation and cleaning
- Customizable operator profiles speed up shift changes
- Integrated diagnostics allows proactive maintenance and minimizes downtime
- Accelerator dosage with live adjustment provides flexibility



+ INCREASED SAFETY

- Automatic pressure relief of blocked concrete lines
- Under dosage prevention
- Hopper screen activated emergency stop
- Safe operator environment for tramming

ATLAS COPCO SERVICE – IT'S NOT JUST ABOUT OUR PROMISES, IT'S ABOUT DELIVERY

We offers several levels of service agreements to meet the requirements of your operation and to secure your productivity. Our service agreements help you build a quality operation focused on proactive, planned maintenance to minimize unplanned downtime. We support maintenance with detailed parts information on every piece within our full inventory of components, accessories, and tools.



CONCRETE SPRAYING PUMP

Meyco SE30 double piston pump with PRACTICAL constant flow for the full range from 6 m³/h up to 25 m³/h at 50 bar	●
Automatic reverse function for pressure relief	●
Manual central lubrication for pump unit	●
Feeding hopper 250 l at 1 320 mm height	●
Low profile feeding hopper 180 l at 1 160 mm height	○
Optimized screen for fibre reinforced concrete	●
Pump cylinder diameter 180 mm with 600 mm stroke	●

BOOM SYSTEM

Comnpacta+ spraying boom with slide system and proportional hydr. valves	●
Manual central lubrication for boom	●
Spraying head movement 135°/360°	●
Nozzle nutation (rotation) 8°	●
Max height 14.5 m (incl. 1.5 m spraying distance)	●
Max width 22.2 m (8 m each side incl. 1.5 m spraying distance)	●
Working lights LED 24 V, 6 x 50 W	●
2 working lights on turret, 1 working light on spraying head	●
Load match valves for higher safety	●
Retracted parking	●
3 metre parallel holding	●
Automatic parallel adjustment	●

DOSING SYSTEM

Flow meter (system accuracy ± 2%)	●
Rotor/stator-pump max 24 l/min at 10 bar	●
Auto-stop for accelerator under dosage and dry run protection	●

SPRAYING SYSTEM

Conveying and nozzle system diameter 100/80 mm	●
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CONTROL SYSTEM

PLC control system with touch screen	●
User profile machine parameter management and integrated diagnostics	●
Data logging for production data and system messages	●
Radio remote control with back-up cable, 20 m, with full function set	●
Control box stainless steel	○
Heater for control box and user panel	○
Sensor for concrete temperature in hopper	○

ELECTRICAL SYSTEM

Supply Voltage 3 x 380-420/440-480	●
Frequency 50Hz/60Hz	●
Total installed power without compressor 60 kW	●
Total installed power with compressor 135 kW	○
Electric motor 55 kW	●
Cable size Buxflex M 3x50+3G10, Cable for 60 kW without compressor	○
Cable size Buxflex M 3x120+3G25, Cable for 135 kW with compressor	○
Recommended cable length is 80 m	○
NOTE! Length is depending on cable type and voltage used	○
Cable reel with hydraulic drive	●

WATER SYSTEM

2 x 200 litre water tanks	●
Dual water pump 15 l/min at 12/200 bar for cleaning	●
Water hose reel with 15 m high pressure hose and spraying pistol	●
High pressure water pump 150 l/min at 80 bar for 20 kW low impact scaling	○
Hydraulic driven water hose reel with 100 m 1 1/4" hose	○

AIR SYSTEM

Rotary vane compressor 75 kW, 7 bar, 10.5 m³/min	○
Screw type compressor 75 KW, 7 bar, 10.5 m³/min	○

HYDRAULIC SYSTEM

Hydraulic tank 200 l	●
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CARRIER

Direct 4-wheel drive and steering +25°, including front steering, 4-wheel steering, crab steering, ASS and TCS	●
Diesel engine Deutz 4 cylinder, TCD 3.6 74 kW, US EPA Tier 4F, EU Stage IV	●
Diesel engine Deutz 4 cylinder, TCD 3.6 74 kW US EPA Tier 3, EU Stage IIIA downgrade	○
Power rating 74 kW at 2 300 rpm	●
Torque 388 Nm at 1 600 rpm	●
Hydrostatic power steering and transmission	●
Central joint oscillation ±15°	●
Rims/Tires 13.00/16.00 R20	●
Spare wheel	○
Open drivers cabin with protective roof, FOPS and ROPS, seat 90° sideways	●
Portable fire extinguisher	●
Fire suppression system Ansul/Fogmaker	○
Hydraulic front stabilizers 2x	●
Hydraulic rear stabilizers 2x	○
2 Circuit service brakes and SAHR emergency and parking brakes	●
Fuel tank 80 l	●
Electric system 24 V	●
Batteries 2 x 12 V, 70 Ah	●
Tramming lights 4 x 70 W	●
Brake lights	●
Horn and reverse alarm	●
Rearview and frontview camera	○
EAT (exhaust after treatment) system included with EPA Tier 4F, EU Stage IV	●
Lifting hooks on wheel hubs	○
Lifting kit	○

MISCELLANEOUS

Accelerator tank 2 x 1 000 l	●
Heater and insulation for accelerator tank	○
Concrete release agent hand sprayer 5 l	●
Connection for external air supply	●
Toolbox	●
Automatic central lubrication system for boom, pump and carrier	○
Concrete release agent/pressurized form oil system 40 l tank including a hose reel	○

TRAMMING

Tramming speed on flat ground (rolling resistance 0.05)	18 km/h
Tramming speed on incline 1:8	7.8 km/h
Gradability at max load on good ground	30%

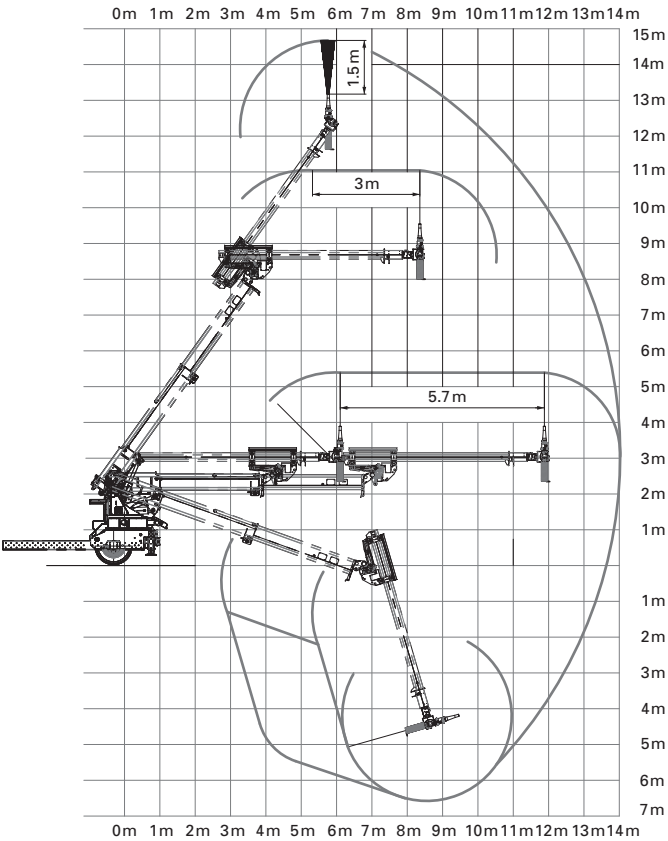
WEIGHT

Total weight without compressor	14 250 kg
Total weight	15 500 kg

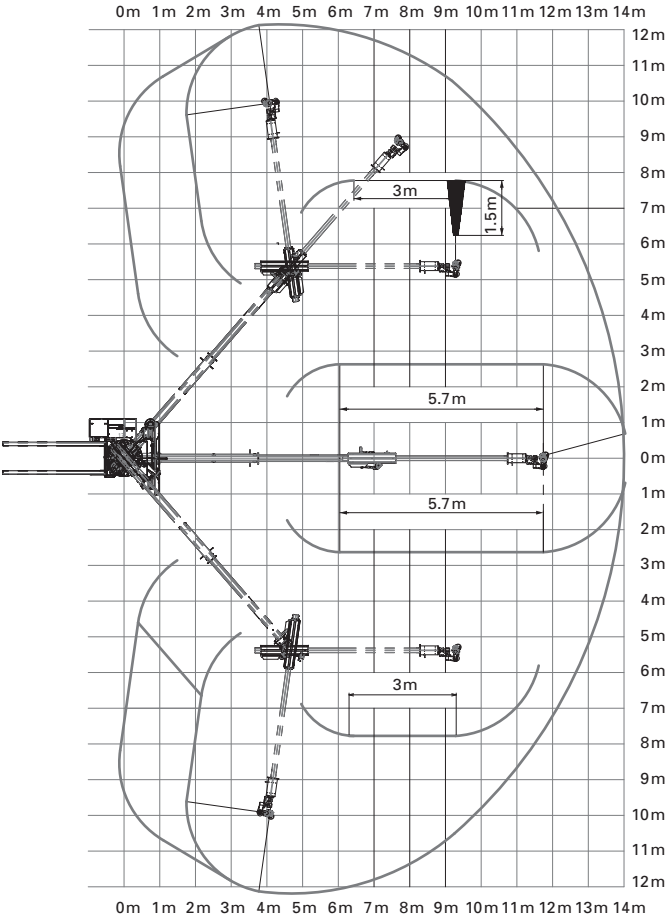
DIMENSIONS

Width	2 200 mm
Height	2 920 mm
Length	11 500 mm
Ground clearance (with standard tires)	350 mm

BOOM WORKING RANGE

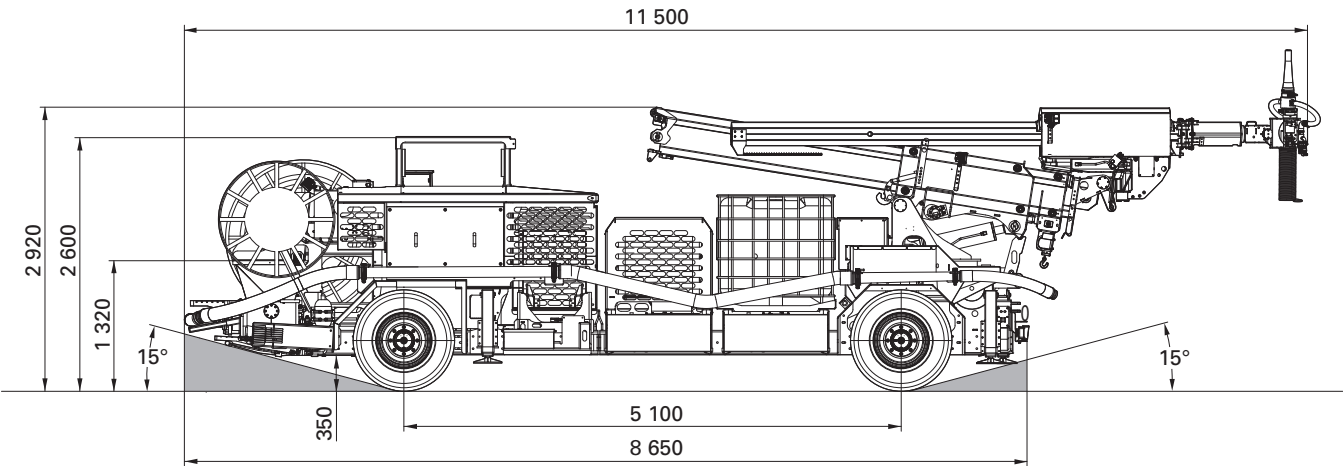


Boom working range side view

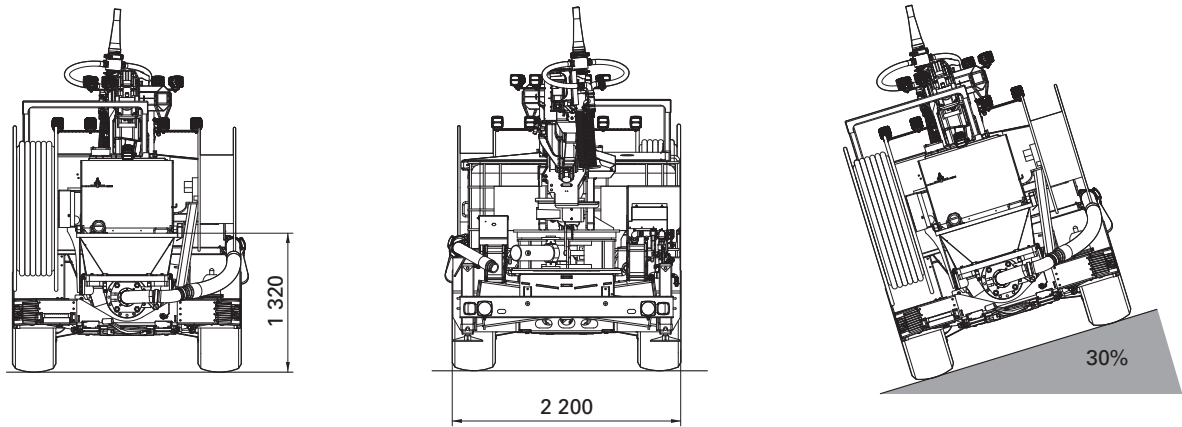


Boom working range top view

DIMENSIONS



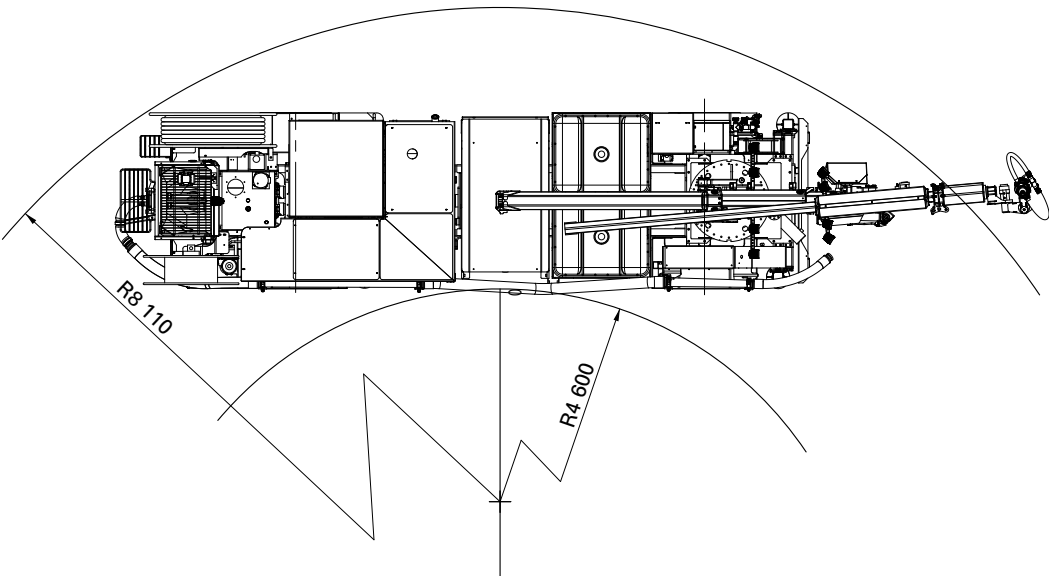
Transport dimensions and gradability



Rear View

Front View

Side inclination driving



Top view turning radius

COMMITTED TO SUSTAINABLE PRODUCTIVITY

We stand by our responsibilities towards our customers,
towards the environment and the people around us.

We make performance stand the test of time.

This is what we call – Sustainable Productivity.

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