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**Dry-mix concrete spraying machine**



*Illustrated kit may include options and additional equipment.*

## Features

The NORMET GM is a dry-mix concrete spraying machine, based on the rotor principle. Its well-proven design makes it extremely robust, easy to setup and simple to operate. Various configurations and a wide choice of specialized nozzle kits make it the machine of choice for small-to-medium applications in:

- Slope protection
- Medium-to-large area repair work
- Swimming pool construction
- House building
- Tunnelling and mining
- Emergency and back-up work on TBMs
- Conveyance of all types of dry materials, such as gravel

### Main features:

- Very robust and simple design for a long service life
- Easy cleaning due to single-spindle clamping system
- Freely accessible wear parts
- Air distributor with 2 ball valves for conveying air and needle valve for individual control of upper and lower air flow, including magnetic valve in the main air line
- Quick exchange of rotor type and outlet for different outputs/applications
- Rubber pads and friction discs can be refaced for a long service life
- Huge range of nozzle sizes, shapes and materials for all applications and conditions

Disclaimer: Product will be quoted according to information and specification provided.  
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### Technical specifications

#### CONCRETE SPRAYING PUMP/FEED

- > Sturdy hopper and mesh design on silent blocks
- > Special self-levelling, single-spindle clamping system for uniform pressure to all sealing surfaces
- > Fast cleaning device at the upper rubber pad
- > Self-cleaning discharge spout with conical blow-out and rubber inlet
- > Wear-optimized rotor components for a long service life
- > Spraying capacity (max. theoretical) 15.0 m<sup>3</sup>/h
- > Feeding hopper height 1 390 mm
- > Feeding hopper volume 70 L
- > Conveying distance/height, max 500/100 m
- > Recommended grain size, max 6 - 8 mm

#### CONTROL SYSTEM

- > Easily accessible PLC control system in dust- and splash-proof central control box, IP55
- > Simple control elements and 2-wire emergency circuit
- > Motor protection and earth leakage circuit breaker
- > Sockets for vibrator, water booster pump and remote control
- > Hour meter counter

#### CARRIER

- > Rigid frame with pneumatic tyres, guide fork and tow bar
- > Spur gear reduction drive with protection hood for motor and V-belt pulleys

#### ELECTRICAL SYSTEM

- > Control system 24V DC
- > Socket with phase change switch CEE 3P/N/E, 32A
- > Protection class IP55

### Optional equipment

#### POWER PACK

- > Electric motor, 2-speed
  - 3 x 400/440V / 50/60Hz
  - 2 stage electric motor 5.0/7.0kW
- > Alternative voltage
  - 3 x 460V / 60Hz
  - 3 x 525V / 50Hz
- > Compressed air motor
  - motor 11 kW
  - air consumption (for motor only) 8 m<sup>3</sup>
  - air pressure 6 bar
- > Diesel motor
  - motor 7,5 kW

#### FEED SYSTEM/ROTORS

##### Rotor type

##### Practical output capacity

- > 9 round hole rotor 3.5/4.5 m<sup>3</sup>/h
  - normal hardened discs
  - super hardened discs
  - rubber lined and super hardened discs
- > 9 sector hole rotor 5.0/6.0 m<sup>3</sup>/h
  - normal hardened discs
  - super hardened discs
- > Double rotor 5.2/8.0 m<sup>3</sup>/h
  - 9 round hole rotor, rubber lined and super hardened discs
  - 9 sector hole rotor, super hardened discs

Practical output capacity is based on past experience. Deviations are possible due to different mix design or material characteristics.

#### MISCELLANEOUS

- > Discharge spout Ø 50/65 mm
- > Hopper mesh sizes 20/25 mm

#### SPRAYING/NOZZLE/CONVEYING SYSTEM

- > Conveying/nozzle system Ø50/65 mm
- > Ring gap nozzle system for low dust emission 50 mm

All including conveying hose 20 m, spraying hose 20 m (total hose length 40 m), conical spraying nozzle, couplings and gaskets.

#### CONTROL SYSTEM

- > Remote control with cable 40 m
- > Extension cable to remote control 40 m

#### WATER SYSTEM

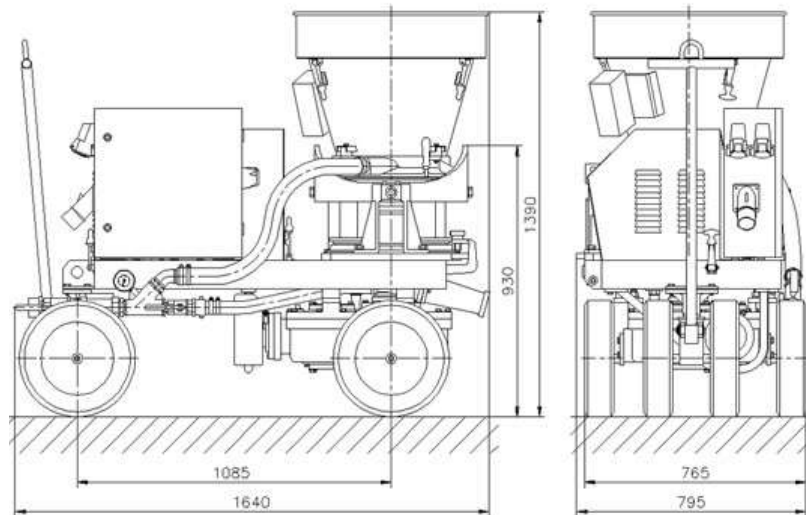
- > Water booster pump with electric drive
  - max. capacity 17.5 L/min at 12 bar
  - on/off switch
- > High-pressure water hose 2x20m with quick couplings
  - 16/23 mm, 20 bar

#### ACCESSORIES

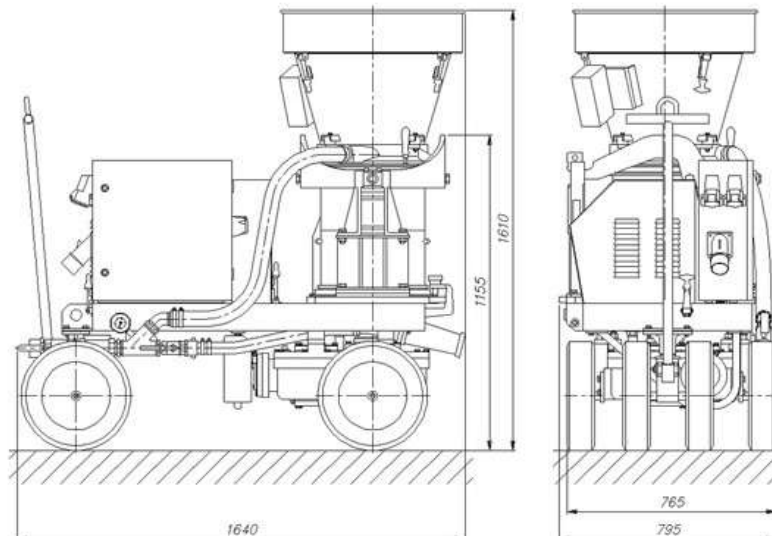
- > Hopper extension weldment with mesh, open 50L
- > Bag ripper for hopper extension
- > Electric vibrator (on hopper)
- > Air driven vibrator (on hopper)
- > Dust collector with filter bag

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**Dimensions**



**SIDE AND FRONT VIEW**  
 NORMET GM with electric motor and single rotor



**SIDE AND FRONT VIEW**  
 NORMET GM with electric motor and double rotor

**DIMENSIONS**

➤ Length	1 640 mm
➤ Width	795 mm
➤ Height	
• single rotor	1 390 mm
• double rotor	1 610 mm
➤ Hopper filling height	
• single rotor	1 390 mm
• double rotor	1 610 mm
➤ Weight (machine only)	700-810 kg

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