

## Concrete spraying equipment

## Wetkret 4

Ideal for small and medium galleries  
Concrete Flow: 20 m<sup>3</sup>/h



Note: This is a merely informative, non-binding document. Maximum theoretical values listed. High-pressure water pump values are for diesel mode operation. Specifications are subject to change without prior notice. Photos and drawings are for illustrative purposes only. For available options, please consult the factory.

### Standard equipment

| Telescopic spraying arm Putzmeister SA 10.1 LP |       |                  |
|--|-------|------------------|
| Max. spraying reach (vertical/horizontal)      | m     | 8.5 / 8.0        |
| Min. unfolding section (vertical/horizontal)   | m     | 2.5 / 2.4        |
| Number of arm extensions                       |       | 4 (3 telescopic) |
| Telescopic stroke                              | m     | 4                |
| Number of axles                                |       | 6                |
| Max. arm angle                                 | °     | +45 / -35        |
| Working lights (x2 LED)                        | V / W | 24 / 80          |

| Spraying head |    |         |
|---------------|----|---------|
| Rotation      | °  | 360     |
| Inclination   | °  | +/- 120 |
| Nutation      | °  | 8       |
| Nozzle        | DN | 40      |

| Remote control     |   |          |
|--------------------|---|----------|
| Dual radio / cable | m | 20       |
| Drive              |   | Electric |

| Putzmeister concrete pump                             |                   |               |
|---|-------------------|---------------|
| Type  |                   | Double piston |
| Drive   |                   | Hydraulic     |
| Max. Flow (theor.) (Piston/Rod side*)                 | m <sup>3</sup> /h | 20/30         |
| Max. pressure on concrete (theor.) (Piston/Rod side*) | bar               | 70/45         |
| Transport cylinder diameter                           | mm                | 150           |
| Max. aggregate size                                   | mm                | 16            |
| Lubrication system                                    |                   | Automatic     |

\*Dual Drive version

| Hopper               |   |     |
|----------------------|---|-----|
| Full hopper capacity | l | 250 |

|                |       |         |
|----------------|-------|---------|
| Filling height | mm    | 1,200   |
| Spotlight      | V / W | 24 / 18 |

| Diesel engine (two options) |         |           |
|-----------------------------|---------|-----------|
| EU-Stage IIIA               | kW (HP) | 106 (142) |
| EU-Stage V                  | kW (HP) | 85 (114)  |

| Pumping and spraying drive system |    |               |
|-----------------------------------|----|---------------|
| Electric                          | kW | 37            |
| Diesel (Dual Drive version)       |    | Diesel engine |

| Synchronized additive system with concrete pumping |     |          |
|--|-----|----------|
| Adjustment range                                   | l/h | 60 - 500 |
| Max. working pressure                              | bar | 10       |
| Control system                                     |     | PLC      |
| Additive tank*                                     | l   | 550      |

\*Optional Mix tank: 710 l of additive + 190 l of water

| Putzmeister off-road vehicle                                       |      |  |
|--|------|--|
| Weight   | kg   | 13,100   |
| Turning radius (inner/outer)                                       | mm   | 2,800 / 6,200  |
| Maximum climbing capacity at full load (longitudinal/ transversal) | %    | 35 / 10  |
| Transmission   |      | Hydrostatic progressive system with continuous variation, no gears to change |
| Gearbox  |      | 2 speed  |
| Maximum speed  | km/h | 20   |
| Driving  |      | 4 WD   |
| Steering   |      | Hydraulic  |

|                                    |        |   |
|------------------------------------|--------|---|
| Service breaks                     |        | On both axles, multi-disc in oil bath                   |
| Parking breaks (negative)          |        | On both axles, internal SAHR discs, hydraulic operation |
| Driving lights LED (x4+2 laterals) | V / W  | 24  |
| Beacon (Halogen)                   | V / W  | 24 / 70   |
| Electric equipment (x2 batteries)  | V / Ah | 12 / 70   |
| Oil tank                           | l      | 170   |
| Diesel tank (Stage IIIA / Stage V) | l      | 135 / 135+10 AdBlue                                     |
| Cabin                              |        | FOPS/ROPS with camera screen and LED light              |
| Driver seat                        |        | Adjustable mechanical                                   |

|               |  |                                  |
|---------------|--|----------------------------------|
|               |  | suspension and 2-point seat belt |
| Rear camera   |  | Night vision                     |
| Mining wheels |  | Maxam 9.00 R20                   |

| Cable reel        |    |           |
|-------------------|----|-----------|
| Drive             |    | Hydraulic |
| Cable length      | m  | 50        |
| Voltages          | V  | 400 / 440 |
| Network frequency | Hz | 50/60     |

| High-pressure water pump for cleaning |       |      |
|---------------------------------------|-------|------|
| Max. pressure                         | bar   | 140  |
| Flow                                  | l/min | 13.2 |
| Hose                                  | m     | 15   |

## Optional equipment

| Compressor (two options)                          |  | PM45            | PM55       |
|---|--|-----------------|------------|
| Power   | kW   | 45              | 55         |
| Air flow  | m <sup>3</sup> /min  | 6 (in altitude) | 9.3        |
| Power   | bar  | 7               | 7          |
| Wheels  |  |                 |            |
| Alternative mining wheels                         | Michelin XMine D2 9.00 R20   |                 |            |
|   | Michelin XZM 9.00 R20  |                 |            |
| Spare wheel                                       | Depends on configuration   |                 |            |
| Fire suppression system                           |  |                 |            |
| ANSUL   | Mix  |                 |            |
| DAFO  | Mix  |                 |            |
| DAFO for electric panel                           | Automatic  |                 |            |
| Cabin   |  |                 |            |
| Closed cabin                                      | Door and protection grill  |                 |            |
|   | Door, protection grill and complete cabin glazing + air conditioning and heating |                 |            |
| Soft braking system when door open                |  |                 |            |
| Extensible rearview mirror                        |  |                 |            |
| Safety belt with sensor                           |  |                 |            |
| Alternative driver seat                           | Pneumatic suspension and 2-point seatbelt (PRIMMO-L)                             |                 |            |
|   | Pneumatic suspension and 2-point seat belt (KAB-Air)                             |                 |            |
|   | Leather cover for KAB-Air driver seat  |                 |            |
|   | Safety belt with sensor (KAB-Air)  |                 |            |
| Alternative high-pressure water pump for cleaning |  |                 |            |
| Type  | Dynaset  |                 |            |
| Max. pressure                                     | bar  | 140             |            |
| Flow  | l/min  | 30              |            |
| Alternative additive system                       |  | Hydraulic SPX25 | Screw E13B |

| Adjustment range  | l/h  | 60-1,200   | 100-1,200                          |
|---|--|--|------------------------------------|
| Max. pressure   | bar  | 10   | 10                                 |
| Tank  | l  | Standard (550 l) or Mix (710 l additive + 190 l water) | Mix (570 l additive + 190 l water) |
| Additional additive pump for transferring                                   |  |  |                                    |
| Type  |  | Hydraulic DX18   |                                    |
| Adjustment range  | l/h  | 500  |                                    |
| Max. pressure   | bar  | 10   |                                    |
| Hydroscaling System   |  | LP   |                                    |
| Flow rate   | l/min  | 90   |                                    |
| Pressure  | bar  | 180  |                                    |
| Protections   |  |  |                                    |
| Axle lubrication system   |  |  |                                    |
| Anticorrosion painting  |  |  |                                    |
| Bio-hydraulic oil with high efficiency filtration system and breather dryer |  |  |                                    |
| High efficiency filtration system and/or breather dryer                     |  |  |                                    |
| Rubber collar protection for rear axle                                      |  |  |                                    |
| Electric panel for toughest conditions                                      | Isolation trafo kit (mandatory for Special voltages) |  |                                    |
|   | Anti-humidity protection kit                         |  |                                    |
| Extra protections   | Electric panel, DAFO and tanks                       |  |                                    |
| E-Stop for Diesel engine  |  |  |                                    |
| Cable reel  |  |  |                                    |
| Additional cable length   | m  | 50 (total 100)   |                                    |
| Folding cable reel for improving access                                     |  |  |                                    |
| Additional lighting   |  |  |                                    |
| Additional spotlight for the spraying arm                                   |  |  |                                    |
| LED beacon instead halogen  |  |  |                                    |
| Tramming direction lights ( <i>Special configurations on demand</i> )       |  |  |                                    |
| Special voltages  |  |  |                                    |

## Spraying arm reach diagrams and spraying area

