



Pictured machine may include options and additional equipment.

Features

NorStreamer 30 V trailer concrete pump is designed to be used in tunnelling worksites, shafts and small diameter tunnels for mechanised application of wet concrete with the Normet Minimec or for manual application.

The double piston concrete pump, driven by an 37 kW electro-hydraulic power unit, has a pumping capacity of 3 m³/h up to 30 m³/h. The S-tube together with separate hydraulic circuit and pressure accumulator for changeover gives low pulsation in concrete spraying. Concrete pumping can be controlled either from the control panel or from the additional remote control (cable or wireless).

The standard NorStreamer 30 V has a Nordoser XEP electronically controlled accelerator dosing and concrete pump control system. The system is providing the user with clear colour display for the process information, easily adjustable pumping speed, accelerator dosage rate and a process data logging function. The process data can be logged per work shift and downloaded to a USB-drive. The Nordoser XEP system includes as standard Normet peristaltic dosing pump with a good wear resistance, high suction capability and output accuracy.

Optional Nordoser XEM system is otherwise equal to XEP version but it is equipped with a mono type dosing pump. For dosing without electronic control unit there is available manually controlled accelerator dosing system Nordoser XHP.

NorStreamer 30 V has four balanced lifting points on top level, in trailer version a tow bar and two wheels for good mobility. For stationary use and lifting with cranes it can be equipped with a skid frame. Skid frame version is ideal also for custom mounting the unit on platforms. Extension frame for mounting a 1000 L IBC accelerator container fits to both versions.

With additional hosing kits the NorStreamer 30 V can be converted either for manual concrete spraying (including a spraying nozzle) or for mechanized concrete spraying with the Normet Minimec.

NorStreamer 30 V is also available as Normet Multimec concrete pump cassette.

The fully CE-certified NorStreamer 30 V is designed for maximum operator safety and ergonomics with multiple features. Modular construction makes it easy and safe to access for maintenance and cleaning in daily operation.

Normet reserves the right to change this specification without further notice.

Technical specification

CONCRETE PUMP

Spray pump NSP 30 cast iron type
Double piston pump with s-tube:

- Volumetric pumping capacity 3 - 30 m³/h
- Double layer type grill with vibrator (24 VDC)
- Agitator
- S-tube changeover by hydraulic accumulator
- Standard concrete pressure 50 bar
- High pressure pumping feature 65 bar
- Pumping cylinder diameter 200 mm
- Cylinder stroke 600 mm
- Outlet diameter 125 mm
- Outlet connector 5" Hevi-Duty
- Side tilting hopper
- Hopper capacity 250 L

ACCELERATOR SYSTEM

Standard Nordoser XEP

- Electrically controlled Normet peristaltic pump
- Simple real time process display
- Accurate accelerator output ratio adjustment
- Electric concrete pumping speed adjustment
- Work shift based data logging
- Reports uploading to a USB drive
- System settings
- Process settings
- System diagnostics
- Process diagnostics
- USB access drive programming
- Multi colour display module
- Switches for quick functions
- Multi language user interface

Dosing rate 0.6 - 16 L/min

Synchronized to concrete output

HYDRAULIC SYSTEM

Electro-hydraulic power unit 37kW

Variable displacement pumps for concrete pumping and s-tube changeover, with following outputs:

- 105 L/min for concrete pump
- 30 L/min for s-tube changeover
- 24 L/min for agitator and dosing system

Oil tank capacity 200 L (stainless steel)

Oil cooler

24 VDC ELECTRICAL SYSTEM

Control panel for pump controls

Hourmeter

Signal horn

Work light for concrete pump

Beacon

HIGH VOLTAGE ELECTRICS

400V, 50/60Hz

Equipped with supply phase change feature

Without supply cable reel or cable

OTHER

Trailer frame

- Adjustable tow bar
- 2 wheels and axle
- 3 adjustable mechanical support legs
- 4 lifting points on top level
- Shields and covers
- 12 kg hand-held fire extinguisher
- Modular construction
- Basic tool set

Compressed air connection

- Air feed connector with pressure meter
- Shut-off and bleed valve for air line

Optional equipment

ACCELERATOR SYSTEM

Nordoser XEM

- Electronically controlled accelerator dosing and concrete pump control system with mono type accelerator dosing pump

Nordoser XHP

- Manual accelerator dosing control
- Manual adjustment for concrete output

OTHER

Skid frame (without wheels, axle and tow bar)

Additional equipment

ACCELERATOR SYSTEM

Heating element kit for IBC container:

- Easily exchangeable jacket-type heating element
- 2 circuits each 1000 W, 240 VAC
- -5 °C to 40 °C capillary thermostat per circuit
- Includes separate insulator cover part for container (hole for the filling gap and mixer)
- External power supply is required for heating and mixing kits if used during operation

Accelerator mixing kit for IBC container:

- Electrically-driven mixing device
- Electric motor 0.37 kW 240 VAC
- External power supply is required for heating and mixing kits if used during operation

FOR PUMP

Cable remote control

Functions: Pumping start /stop /reverse / output +/-
Cable length 30 m

Wireless remote control

Functions: Pumping start /stop /reverse / output +/-
Integration bracket to minimec remote control

OTHER

Extension frame for the IBC container Skid extension frame for the IBC container 1000 L IBC container

Lifting chains

Reducer kit

(Required for equipment kits)

Outlet on the side of the pump

Reduces pump outlet diameter from 125 mm to 65 mm

Included equipment

- Reducer curve from 125 mm to 76 mm
- Hose 3 m; 76 mm
- Reducer from 76 mm to 65 mm
- Necessary clamps and gaskets

Manual concrete spraying equipment

Hand spraying nozzle 2"

Concrete line:

- Length 10 m
- Diameter 50 mm
- Reducer tube from 65 mm to 50 mm

Included equipment:

- Spraying nozzle hoses for air and accelerator
- Accelerator line 3/4"
- Air line 1 1/2"
- Shut-off and bleed functions for spraying nozzle
- Necessary clamps and gaskets

Mechanised concrete spraying equipment

Connectivity to Normet Minimec

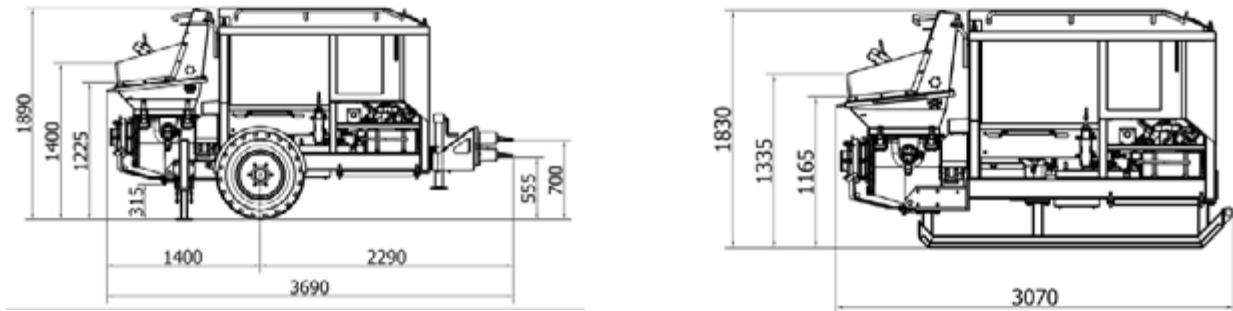
Concrete line:

- Length 25 m
- Diameter 65 mm

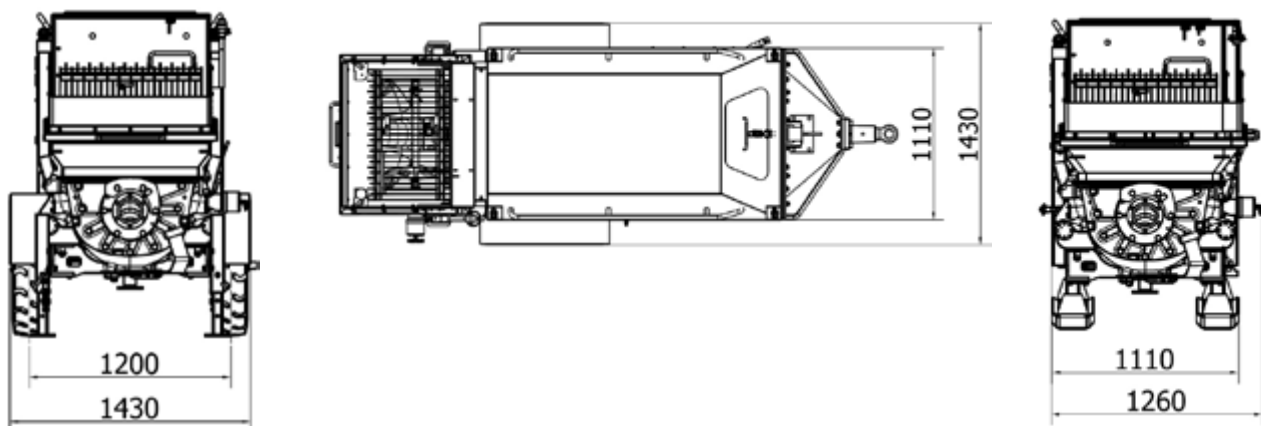
Included equipment:

- Accelerator line 3/4"
- Air line 1 1/2"
- Necessary clamps and gaskets

Dimensions



SIDE VIEW



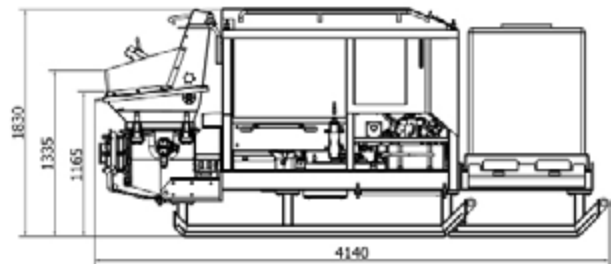
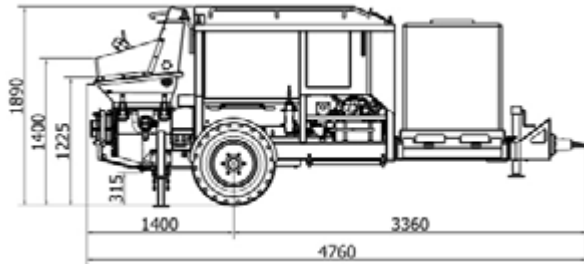
REAR VIEW

DIMENSIONS

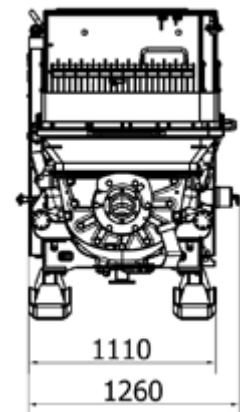
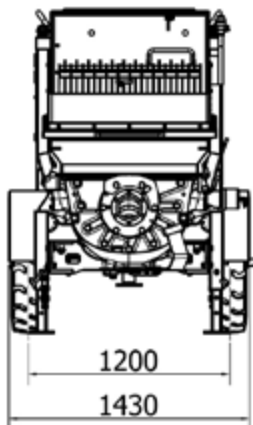
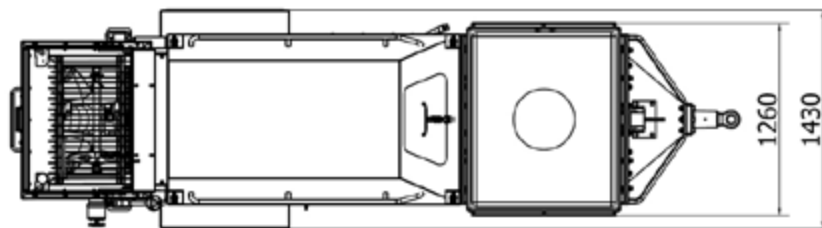
Length	3690 mm
Length with skid frame	3070 mm
Width	1430 mm
Width with skid frame	1260 mm
Height	1890 mm
Height with skid frame	1830 mm
Hopper discharge height	1400 mm
Hopper discharge height with skid frame	1335 mm
Weight	3200 kg

Normet reserves the right to change this specification without further notice.

Dimensions with IBC



SIDE VIEW



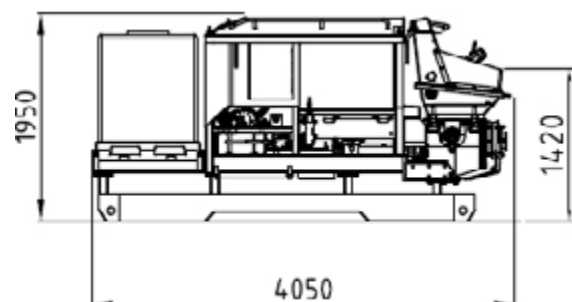
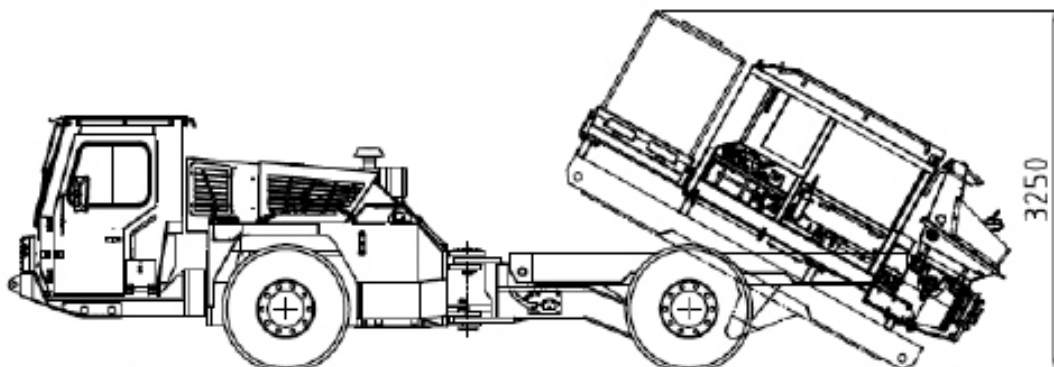
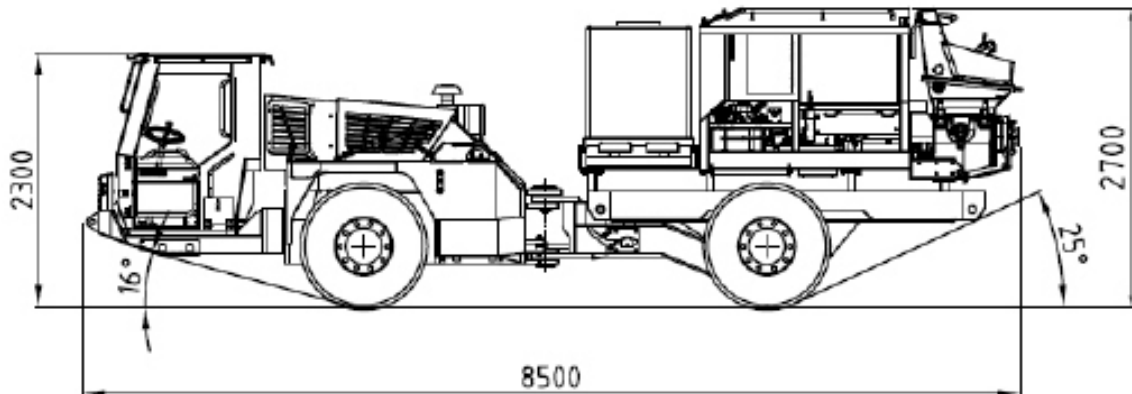
REAR VIEW

DIMENSIONS WITH IBC

Length	4760 mm
Length with skid frame	4140 mm
Width	1430 mm
Width with skid frame	1260 mm
Height	1890 mm
Height with skid frame	1830 mm
Hopper discharge height	1400 mm
Hopper discharge height with skid frame	1335 mm
Weight with full IBC container	5100 kg

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NorStreamer 30 V Cassette Dimensions



DIMENSIONS

Length	4050 mm
Height	1950 mm
Hopper discharge height (on the ground)	1420 mm
Total weight with Multimec	14500 kg

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