Häny Mixing and Injection Technology

Compact Grout Plant IC 310

The combination of proven, standard Häny components – mixer, agitator, and injection pump – results in an extremely compact injection plant. This setup is suitable for a wide variety of applications such as anchor, sleeve pipe, and contact injections.

HÄNY
Mixing and Injection Technology

Compact Grout Plant

IC 310

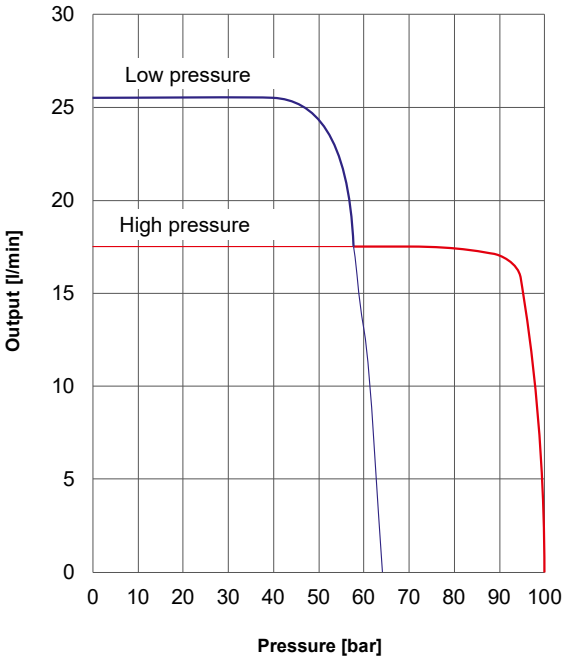
Key features

- Extremely compact mixing and injection system with central lifting point for easy transport and minimum installation time
- High productivity due to ergonomically positioned operating elements
- High reliability and low-maintenance operation with good accessibility to the wear parts
- Independent of pressure ratios, the suction stroke is always carried out at high velocity in order to flush the valves and to avoid clogging

Typical applications

- Grouting of anchors, soil nails, tension cables as well as for sleeve pipe, rock, and contact injections
- Preparation and pumping of bentonite suspensions for pipe jacking and microtunneling

Pump performance



Grout pump	ZMP 610
Capacity IC[1]:	1.5 m³/h
Max. pressure:	100 bar
Max. aggregate size:	5 mm
Hydraulic tank:	52 l
Pump module:	single
Cooling water flow rate:	2–3 l/min
Cooling water connection:	BSP ⅜"
Pressure connection:	BSP 1"

Included as standard

- Manual pressure and flow control
- Oil level indicator with thermometer

Mixer / Agitator

Usable content mixer:	100 l
Circulation capacity:	540 l/min
Water connection:	BSP ¾"
Holding capacity agitator:	150 l

Optional

- Auxiliary mixing unit (recommended for W/C < 0.45)
- Automatic water meter

Control

PLC with stroke counter
Lockable main switch, emergency stop
Mixer ON-OFF
Agitator ON-OFF
Pump ON-OFF

Optional

- Remote control with 50 m cable, ON-OFF
- P/Q-Registration

[1] Water to cement ratio = 1

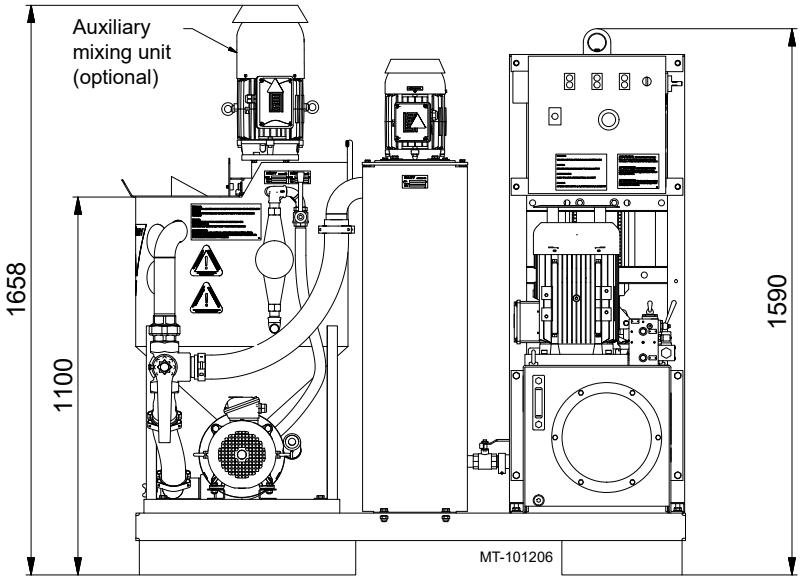
Electrical data

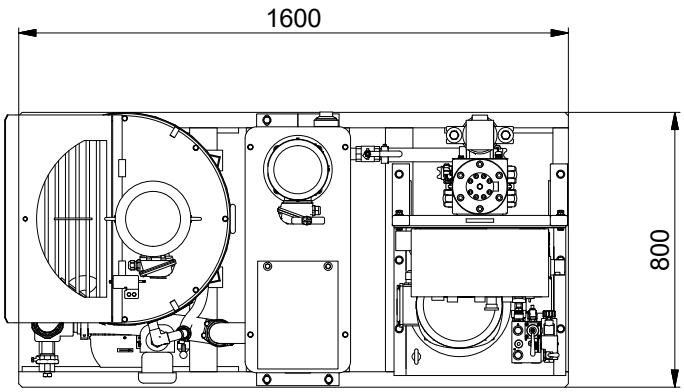
Voltage:	3x 400/460
Frequency:	50 / 60 Hz
Nominal power:	9.1 / 10.5 kW

Weight and dimensions

Total weight:	625 kg
Width:	800 mm
Height:	1,658 mm
Length:	1,600 mm

Construction and dimensions





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