

Häny Mixing and Injection Technology

High Shear Mixer HCM 800



The colloidal mixer is particularly suitable for the production of suspensions consisting of water, cement, ultra-fine binder, bentonite, sand, and other materials. A robust mixing tank combined with highly wear-resistant materials in the mixing pump guarantee a long service life and trouble-free operation.

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High Shear Mixer

HCM 800

Key features

- ▶ Excellent mixing results thanks to the high turbulence generated by the high-speed mixing pump
- ▶ Mixing tank with conical bottom and pneumatic pinch valves for switching between mixing and transfer
- ▶ Automatic lubrication of the shaft seal
- ▶ Weighing cells for automatic batching of water and dry components
- ▶ Cleaning opening (manhole) for easy cleaning

Typical applications

- ▶ Preparation of suspensions consisting of water, cement, ultra-fine binder, bentonite, and other materials
- ▶ As a stand-alone system or in combination with agitator and injection pump

3D model



High shear mixer

Mixing pump:	TMP 40
Approx. capacity ¹ :	20 m ³ /h
Circulation capacity:	2,400 l/min
Usable content:	800 l
Max. aggregate size:	3 mm
Liquid temperature:	Max. 40°C
Water feedthrough:	DN50/100
Dry component feedthrough:	2x DN200

¹: Water to cement ratio = 1



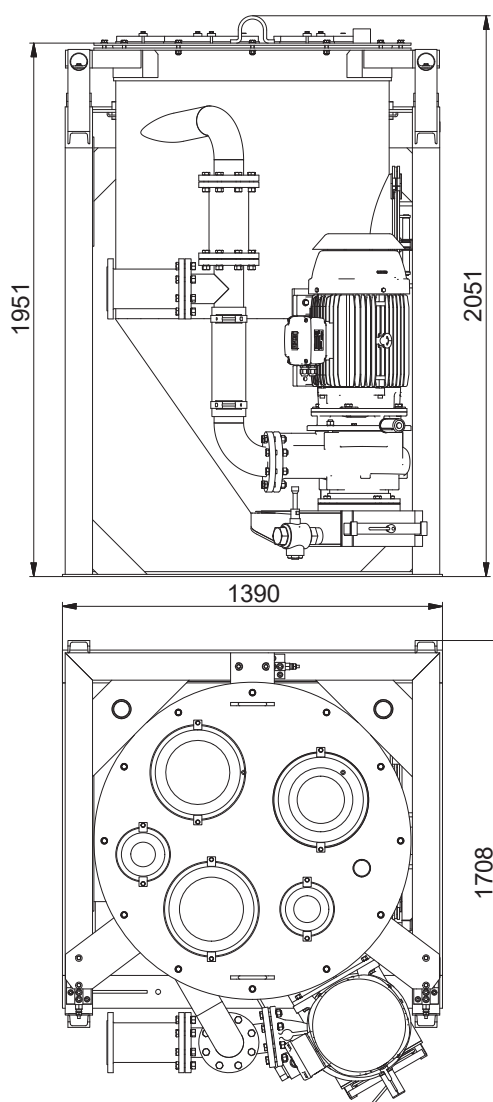
Electrical data

Voltage:	3x 400/460 V
Frequency:	50 / 60 Hz
Nominal power:	22 / 25 kW
Nominal current:	40.1 / 41.0 A
Speed:	1,475 / 1,770 min ⁻¹

Weight and dimensions

Approx. weight:	1225 kg
Width:	1,390 mm
Height:	1,993 mm
Length:	1,710 mm

Design and dimensions



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