

DESCRIPTION

The High-Output Recirculating Jet Mixer is a continuous high-speed grout mixer. It produces a constant supply of grout in the mixing chamber, which is then transferred and maintained in the holding tank. The slurry is then passed to the grout pumps at the required rate.

The mixing unit uses a density meter to constantly monitor the density of the slurry being produced. It is capable to accurately produce grouts with densities up to 2,300 kgm⁻³.

The maximum output of the mixer varies depending on the grout slurry being produced:

Sodium Silicate dosed cement:	80 m ³ hr ⁻¹
Ordinary Portland cement (OPC):	55 m ³ hr ⁻¹
High-Strength Grouts:	35 m ³ hr ⁻¹



TYPICAL DIMENSIONS

	Length	Width	Height	Weight
Mixing Unit	7.0 m	2.6 m	2.4 m	15 Te.
Surge Tank	7.0 m	2.6 m	2.4 m	10 Te.
Assembled Mixer	7.0 m	2.6 m	4.8 m	25 Te.

The equipment is mounted in DNV offshore lifting frames and are fitted with certified sling sets.

POWER REQUIREMENTS

Mixer unit:	1 no. connection 440volt 60Hz, 3 phase and earth - 360A (max. on start-up) - 300A (max. running)
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Grout pumps:	2 nos. connections 440volt 60Hz, 3 phase and earth - 80A (max. on start-up) - 60A (max. running)
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WATER REQUIREMENTS

Typical water supply requirements of:

Supply pressure	Minimum 8 Bar (115 Psi)
520 litres per minute	When mixing OPC or High-Strength Grouts
1,600 litres per minute	When mixing Sodium Silicate dosed cement Grouts (single or multiple supplies <i>i.e.</i> , 2x800l min ⁻¹)

AIR REQUIREMENTS

Taken from common supply:	115 PSI (8 Bar) at 450-600 cfm
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