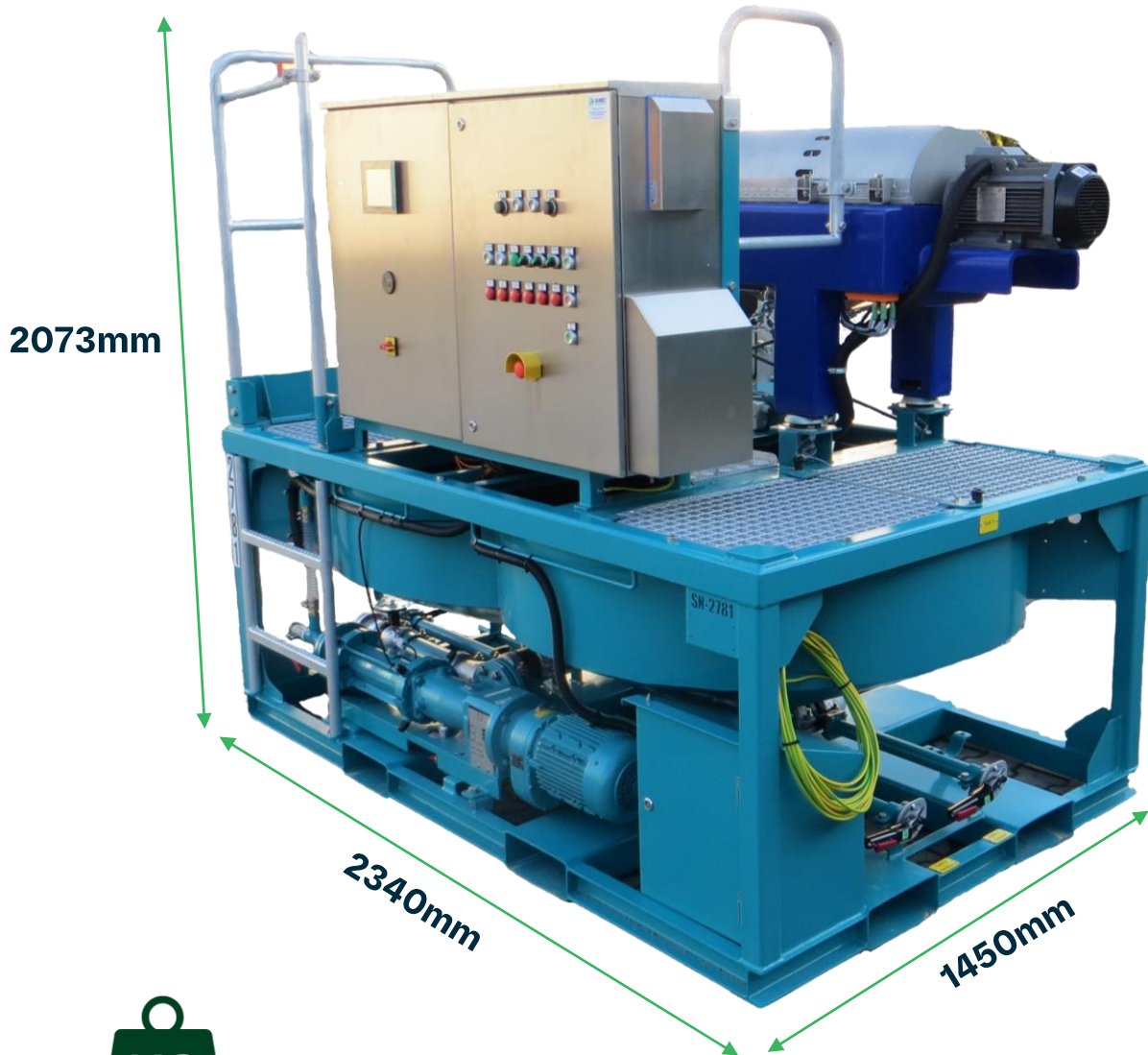


IMD-M100-TT SRU™



KG
1 845 Kg

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IMD-M100-TT SRU™



Description

The IMD-M100-TT SRU™ is a highly versatile drilling fluid recycling unit, designed for use in compact spaces or in remote locations. The unit's closed-loop system decreases the volume of water and mud, reducing operational costs and creating a safer work environment.

Application

Solid laden drilling fluid is pumped to the IMD-M100-TT SRU™ from the drill collar to the centrifuge to separate drill solids from the mud slurry. The solids are then discharged via the unit's waste chute. After processing, cleaned drilling fluid flows into a storage tank. The fluid is returned to the mixing tank before being reused.

Reducing Mud and Water Consumption

In operations where water management presents an operational challenge and has high associated costs, the closed-loop system of the IMD-M100-TT SRU™ allows the recycling of fluids and eliminates the continual need to cart water for drilling operations. Reduce water consumption by up to 90% and mud chemical consumption by up to 55%.

Reducing Water and Mud Disposal Costs

The 200mm stainless steel decanter centrifuge can remove solids as small as 4 – 7 microns from drilling fluids, keeping drilling fluids in good rheological condition. The IMD-M100-TT SRU™ can reduce the volume of residual mud by up to 75%. Solids are condensed and transformed into a semidry solids cake, which minimises the costs associated with disposal.

Improving Efficiency and Productivity

The use of clean drilling fluids is essential for drilling productivity. The IMD-M100-TT SRU™ maintains the properties of the fluids in optimum conditions, which reduces the wear and tear on rig components, optimises Rate Of Penetration, minimises formation damage, minimises fluid costs and reduces rig maintenance and breakdowns.

Advantages

- Increase productivity and Key Performance Indicators
- Eliminates the cost of digging and rehabilitating sumps
- Reduces site footprint
- Minimises site re-mediation and environmental management costs
- Reduces water consumption mud usage and cartage costs
- Reduces the wear on drilling components
- Can be combined with many other AMC recycling equipment
- Remotely monitored via the IMDEX Equipment Maintenance System (IEMS). Reduced downtime by monitoring and recording operating statuses remotely.

Weight and Dimensions

Length	2 340mm
Width	1 450 mm
Height	2 030 mm (transport dimension)
	2 073 mm (maintenance dimension)
Weight	1 845 kg
Tank volume	2x 450 l

Technical Specifications

Centrifuge	Alfa Laval CDNX 100/2
Max. speed	max. 5300 rpm
g value at max. speed	3100 g
Screw gear drive	Electronic semi-automatic
Feed pump	Seepex BN10-6LS
Transfer pump	Steinle Tapflo CTIEF 55
Treatment performance	max. 100 l/min
Connection to power supply	400 V, 50 Hz, 16.5 kW
Required power generator	22 KVA minimum



Manufactured under a quality system certified as complying with ISO 9001 by an accredited certification body.

Results may vary due to fluid properties and solids contents, please consult your nearest AMC technical specialist to achieve optimum performance.

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