



WEIGHT AND MEASURES

Capacity:	68,000 litres or 68,000 kg
Height:	4,580 mm (service) 4,000 mm (transport)
Width:	2,505 mm (overall)
Length:	13,100 mm (service) 11,717 mm (transport)
Weight:	13,950 kg empty (approx.)
Viscosity limit:	254 cP
Max temperature:	70 °C (NBR)* - 100 °C (EPDM) (depending on gasket)
* NBR material is standard. EPDM and VITON are optional materials	

FEATURES

Valves:	6" ANSI 150# drain front (x1) 4" ANSI 150# drain rear (x1)
Relief valve:	Cast aluminum thief hatch, NBR gasket, pressure setting 17 mbar, vacuum setting 1.7 mbar
Misc. pipe connections:	4" ANSI 150# blinded flange for vapor recovery or top fill on top (x1) 4" ANSI 150# blinded flange spare inlet / outlet front (x1) 6" ANSI 150# thread flange for level gauging device on top (x1) 3" ANSI 150# blinded flanges for coil front (x2)
Access:	600 mm hinged manway; NBR gasket on side (x1)
Inspection & cleaning:	600 mm hinged manways with restriction bars; NBR gaskets on top (x2) Stairway to access landing (x1)
Guardrails:	Along top deck, stairway and access landing, fold-down square, steel tubing
Tires:	275/70 R22.5 (doubles)
Suspension:	Air suspension for easy on-site tank movement
Gearboxes:	Nord Type SK9042.1AFSH-IEC132/2G Grippmaxx Keyless bushing system Input speed: 1,445 RPM, Output speed: 74 RPM. 60 mm diameter. Output shafts. (x4)
Mixer shafts:	3,454 (x2), 2,617 (x1), 2,489 mm long x 60 mm diameter, S355 carbon steel (x1)
Mixer blades:	Long (bottom) blades: 12 mm thick x 150 mm wide x 432 mm long (992 mm swing path diameter) 10 short (upper) Blades: 12 mm thick x 150 mm wide x 295 mm long (718 mm swing path diameter)

MIX TANK UNLINED WITH COIL - 68 M³ 2.0

IDEAL USAGE

Projects that require mixing and/or heating of liquids at large volumes

APPLICATIONS

- Storage of drilling mud
- Production of warm detergent for chemical cleaning
- Heating of crude oil for tank cleaning
- Mixing of water and oxygen for waste water treatment

Heating coil:	3" (88.9 x 5.5 mm) steel pipe in continuous serpentine layout; pressure rated to 12 bar; sloped for easy drainage. Heating surface of 7 m ² Design temperature is 190 °C
Electric motors:	7.5 KW; BARTEC Type 4KTC 132 M-4; 400/690 Volts, 50 Hz, 3 phase, 1,445 RPM, 14.8/8.5 Amps enclosure (x4)

CONSTRUCTION

Floor:	6 mm S235 carbon steel, "V" bottom sloping from each side to center
Floor frame:	Longitudinal beams with flat plate cross bracing between beams
Wall:	6 mm S235 carbon steel
Wall frame:	150 mm x 80 mm x 6 mm c-channel, S355 carbon steel
Top deck:	6 mm S235 carbon steel
Top frame:	150 mm x 80 mm x 6 mm c-channel, S355 carbon steel

SURFACE DETAILS

Exterior coating:	Weather and chemical resistant high gloss polyurethane finish (green)
Interior coating:	None

ELECTRICAL SPECIFICATIONS

Power supply and motor control:	400V, 3 phase regulated voltage & current supply capable of supplying 50 Amp minimum (by customer's ATEX certified personnel) EX II 2G Ex de IIC T4
Cable specifications:	Cable: 400V, 50 Amp, four core Min. 4 x 10 mm ² up to 50 m Min. 4 x 16 mm ² up to 100 m Max outside cable diameter is 28 mm

QUALITY AND SAFETY



- Approved for road transport throughout the EU
- Quality control inspections Level 1, 2 & 3 on a scheduled basis
- Hydrostatic water test after construction and major repairs
- CE and ATEX 95 : II 2G Ex de IIC T4
- TÜV NORD: Production inspected
 - Design voluntary tested under DIN 6625
 - By manufacturer AD 2000-HP 0