

# NETZSCH

## TORNADO® Mobile

Flexible and mobile and without a plug



The heart of your process. ■

# Characteristics and Construction of the mobile TORNADO® flood protection pump



## Universal Use

TORNADO® Industrial Rotary Lobe Pump mounted on a mobile two-wheel trailer, allows the pumping of large quantities of wastewater and sludge in different places. Depending on the application, various sizes of the TORNADO® Rotary Lobe Pumps can be trailer mounted. They are highly efficient and only require limited installation space which makes them especially suitable for emergency cases.

## Wide Range of Applications

The TORNADO® Mobile Rotary Lobe Pumps are specifically designed for products with the following characteristics:

- capable of handling low to highly viscous and also abrasive fluids (1 mPas to 1 million mPas) without problems
- insensitive to solids contained in wastewater (completely free passage up to 70 mm) and dry running
- self-priming up to a maximum of 8 mwc for water and sludge
- other pump sizes with different flow rates and pressures are available

## Large Range of Capacities and Pressures

- capacities up to 1000 m³/h
- pressures up to 6 bar

## Alternative Rotating Elements

For specific applications different types of rotary lobes are available.

## Additional Features

- bi-directional
- easy operation by integrated electronic motor control
- integrated tool box
- accessories such as pipes and tools are available on request



## Pump Typ XLB-8/2

bi-directional, self priming rotary lobe pump, pulsation free helical lobes made from GG25 cast iron with NBR rubber coating with double bearings. Adjustable housings and replaceable front wear plates.

## Diesel Drive

powerful Deutz 112 kW / 149 PS 4-cylinder diesel drive, 4-stroke direct injection engine, water cooler, fuel filter, air filter, injection pump, lubricating oil filter, oil pan, oil level dipstick, thermostat, cooling fan, 12 V starter. Motor housing ensures quiet operation, air filter, exhaust and silencer.

## Connections

suction: 3 x DN 159 Perrot V Type. Discharge: 3 x DN 159 V Type (Storz A or other types of connections also possible). Side entry trailer with curtains, all pipes and fittings galvanised.

## Trailer

completely hot dip galvanised, made from stable, torsionally rigid, structural steel, drive console with vibration dampener. Stable, hinged front support wheel, 4 trailer legs with hand crank. Towing bar with DIN standard towing hitch, suitable for lorries. Total weight 3400 kg.

## Drive Accessories

optimised starting, adjustable speed control, ignition starter switch, error memory. Preset shut off time, re-settable hours run meter, total hours run meter.

## Gear and Coupling

directly flanged gear reducer, 1:3 ratio reduction, with hand operated clutch.

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