

Technical features

Hydraulic circuit

Oil Pressure: 150 bar

Oil Flow: 30 lt/min

N.2 hydraulic motor axial piston

Geometric constrains:

Dimensions: 350x280x680mm

Wheel Diameter: 230mm

Weight: 90kg

Minimum manhole entrance: 480mm

Undercarriage inclination :

Angle: 0° - 12° - 20°

Mechanical chain tensioner

Performance:

Max rotational speed: 80rpm

Max forward speed: 1 m/s

Max pull: 700kg

Max Torque: 400 Nm

Auxiliary connection:

Suction hose: 101 -219mm

Set-up HOSE DRAGGER: hydraulic hoses 2+1

Set-up ROBOT : hydraulic hoses 4+1

Max Hoses Length: 60mt

Chain Set-up:

Chain shoes: Stainless steel, magnet, rubber, PTFE



HOSE DRAGGER

The *HOSE DRAGGER* is a hydraulically driven robot designed to perform work in confined spaces. The robot is designed to be connected to the vacuum hose and drag it around. Its compact dimensions allow to enter confined spaces. The traction is entrusted to a track chain transmission. The tracks can be made of different materials depending on the confined space. The robot is designed to work completely submerged in mud and water. Various hoses can be mounted on the machine according to the dimension of the manhole. The *HOSE DRAGGER* is powered by hoses from external hydraulic unit located in a safe area.

The *HOSE DRAGGER* is remote controlled by operator.

Important features of the machine:

- Modular chain system: the contact surface of the chain can be made in different material and bolted on the chain. i.e. rubber, Teflon, stainless steel, magnet etc
- Narrow contact surface of the chain: enhance the surface pressure and improve the traction
- Tilted undercarriage for job in circular tube: the robot undercarriage can set to a certain angle to work in circular tubes.

