

ProVac- 8000 LT COMBINED SEWER JETTING VACUUM TECHNICAL SPECIFICATION

INTRODUCTION

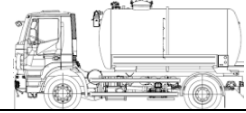
Vacuum truck works by the principle of trusting and breaking effects of for cleaning operations and it also capable of vacuuming sludge, waste water and half solid waste inside its sludge tank by strong vacuum force created by means of a vacuum pump.

The equipment consists of the following sub-units;


- Introduction
- Tank Equipment Information
- Vacuum System
- High-Pressure Pump
- Split Shaft
- Control Panel
- Accessories and Other Equipment

TANK EQUIPMENT INFORMATION

TECHNICAL DATA	DRAWING/PICTURE
<ul style="list-style-type: none"> • Volume: The total tank volume will be 8000 lt Cylindric shape with elliptical bottom • Tank Department: 4000/L clean water, 4000L vacuum tank, 5 mm ST-52 • Superstructure: Made from special steel, anti-corrosion protect inside with epoxy paint, reinforced at external with steel rings. The tank is reinforced by 2 pcs wave breakers inside. • Tipping: Lifting by front end cylinder.. • Rear Door: 6 mm ST52 material with hinges at the bottom side. The rear door open with 2 hydraulic cylinders, 4 pcs hydraulic lockers and a rubber gasket with resistance at sewage. Vaccum 0,95 Bar, pressure 0,5 bar, complete opening approximately 90° as vertical. • Draining&Suction: Draining DIN 125, Suction DIN 125 at the centre. Pneumatic drive and quick coupling connection. Galvanized steel of suction hose • Level indicator: Its eyes type at rear lid. • Mounting: Both tanks are to be mounted to the auxiliary chassis made of ST37 carbon steel according to the regulations of the manufacturer of the truck original chassis.. 	Clean water: 4000 Lt Vacuum tank: 4000 Lt Total: 8.000 Lt



3. VACUUM SYSTEM

TECHNICAL DATA	DRAWING/PICTURE
<ul style="list-style-type: none"> • Pump : MORO PM 200 • MORO PM200 • CFM: 678 • PSI: 14.5 • RPM: 1200 • Weight: 970 lbs • Flange: 4" • Oil Tank Capacity: 1.32 Gallons • Suggested Tank Size 3000-4000 Gallons • Max. Vacuum: 28 InHg • Continuous Duty Vacuum: 24 in. Hg • Shaft Size: 1 3/8" 	

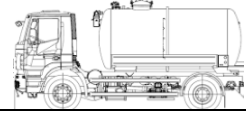


Moro PM200 678 CFM Liquid Cooled Pump

Moro liquid cooled vacuum pumps are recommended for heavy duty continuous use applications. Some models have a unique liquid cooling system for the rotor, maintaining cooler temperatures inside the pump. Plus, the principle of positive displacement rotary vanes guarantees a high degree of vacuum, making Moro liquid cooled pumps ideal for industrial use.

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4. HIGH PRESSURE SYSTEM AND PUMP

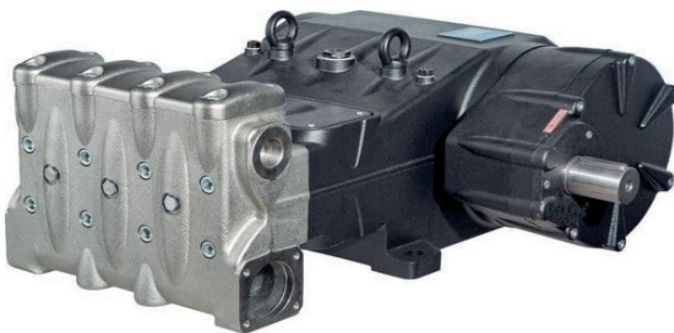
TECHNICAL DATA

- **Pump:** Pratissoli MK60
- **Drive:** Split shaft
- **Water tank :** 4000 lt
- Located on the rear interior of the main tank with the hose and wash nozzle used to manage clean trucks and pits.
- Fill water type with fire brigade connection type.
- Level Indicator: Pipe type
- Manhole Cover
- Filling Hose: Firefighter type 2", 50 m long.
- Water filter
- Manometer
- Hose Pass Deck
- Safety valve for maximum level.
- Safety system to disconnect the high pressure pump in case of water leakage with the sensor and control circuit,
- **Pressure:** R2L SLEEVE BYPASS,
- **Filter:** Suction filter and safety valve for overpressure suppression.

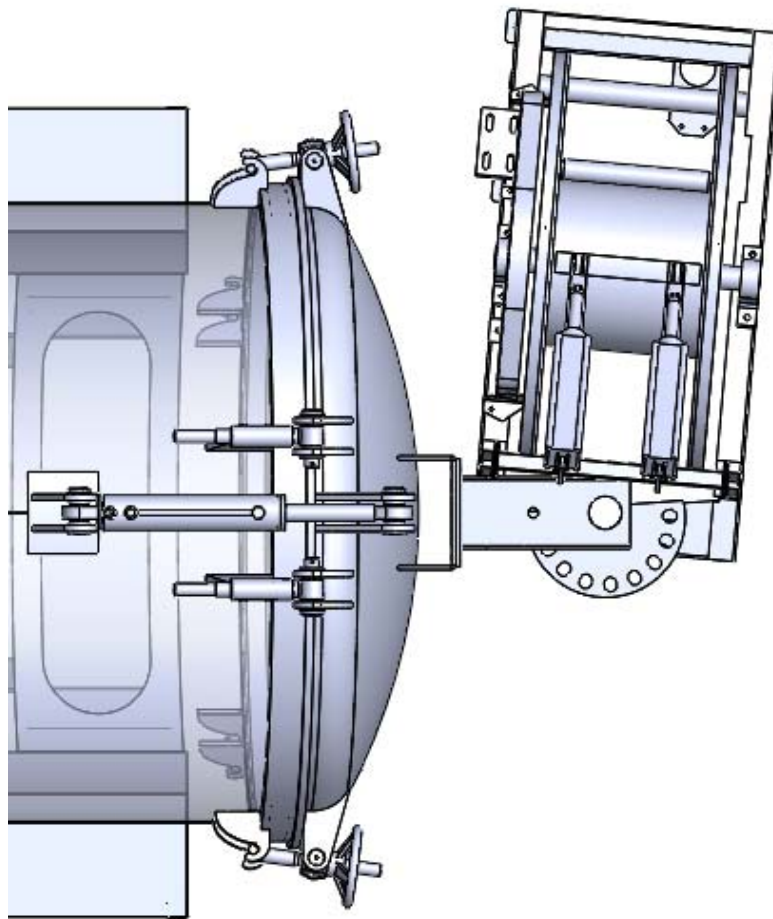
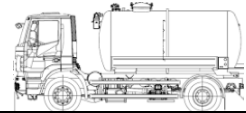
PRATISSOLI MK LP SERIES PUMP & 1500 RPM GEARBOX MK60-GB15



Pratissoli



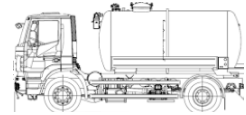
- 170 Bar
- 346 Lpm
- 1500 Rpm gearbox
- 153 Hp, 112 kW
- 55mm male shaft
- Nickel treated cast iron manifold
- 40°C max water temperature
- 80mm flanged inlet port
- 1"1/4BSP female outlet
- See "Technical Data" for port options
- Call sales office for installation advice




Hose Reel :

- Telescoping Suction boom 1300 mm

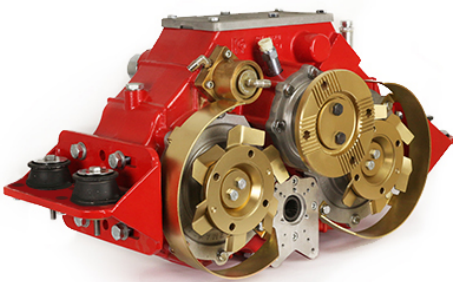
- 100 m hose 1" for max. pressure 250 bars, hand-driven and with a nozzle.
- A regulator will be installed to regulate the speed of hose winding onto the hydraulic winch.
- Suction boom protection: Galvanized
- 300 ° rotate angle, manual, pneumatic-lock
- 1-1/4 worm wheel (endless rotation),
- Hydraulic hose winding is done with hydro motor and chain-gear set.
- 1-1/4 high-pressure waterline
- 1-1/4 stainless steel valve
- Hydraulic fitting
- Monoblock control and speed control for hose reel rotate
- Auto-wind and bushing for reel winding
- ST-52 material to be used for sheet metal
- 2-sided bedding
- Tank assembly toolset
- Double sided bedding for hose guide.



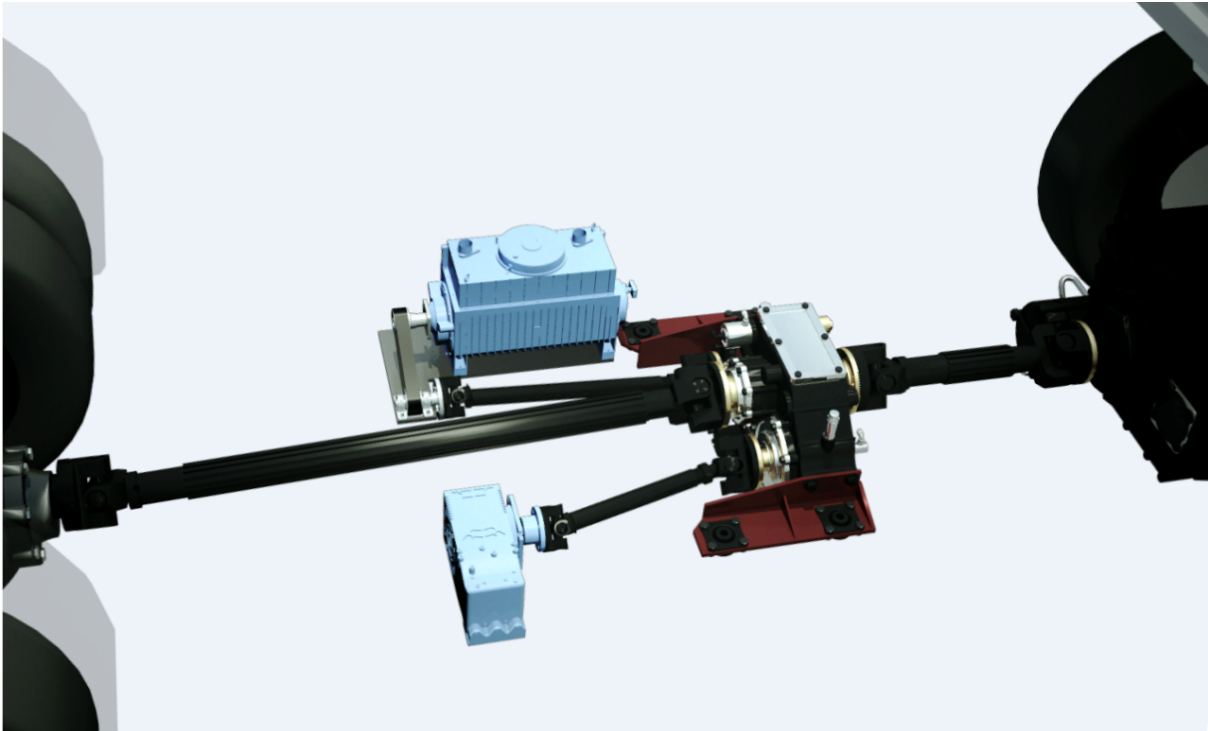
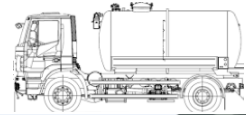
5. CONTROL PANEL

TECHNICAL DATA	DRAWING/PICTURE
<p>Protection IP65 is available on the back or right side with the following items:</p> <ul style="list-style-type: none"> • Mano-vacuum meter; • Manometer water pressure; • Tachometer; - Will test • Hour meter; • Start/stop vacuum pump; • 4-way valve drive of the vacuum pump; • Start/stop water pump; • Hydraulic Tilt Control; • Hydraulic telescopic arm movement control • Close/open the suction valve suction of the arm • Close/Open suction valve suction/empty • Closing/opening the tailgate; • Lock/unlock the tailgate; will be hydraulically locked • Emergency stop for vacuum. (not for engine) • RPM + and RPM – 1800 RPM • Pressurized water setting – Pratisoli PN-4 	

6. SPLIT BOX (TRANSFER CASE)



- **TRANSFER CASE : UARA2400 -----**
- **MARKA: KOZMAKSAN**
- **2.DEFINITION**
- 3000 KGM Horizontal Heavy Duty PTO which is designed with the Clutch Mechanism and it provides Hot Shift Feature. With clutch mechanism not necessary to press clutch pedal during Engage/Disengage process.
- - UARA.2400 takes power from main shaft to make equipments work.



7. ACCESSORIES AND OTHER EQUIPMENTS

DESCRIPTION	DRAWING/PICTURE
<ul style="list-style-type: none"> • Stainless steel container at the back. (cap - vessel) • Galvanized steel pipe Ø100, quick-connected, galvanized, 1m long, 1 pc. • Universal cleaning heads for cleaning and perforation, minimum 4 pieces, general use cleaning, rotation nozzle, coarse sediment nozzle • manhole flaps lifting system – mounted on suction hose arm • Magnetic work light with 10 m wire tool box and accessories, • Side storage boxes for accessories made of sheet metal or aluminium with a capacity of 10 suction hoses DN100, with lock and key – there will be enough room for all parts. 	