



General:

- Egyptian made hydraulic power unit.
- Small size, light weight, suitable for narrow places, high efficiency in operation, low maintenance requirements.
- Operated by double cable with rear and front feeding without manual pulling or pushing.
- Able to clean lines from 6 "up to 12".
- The unit moves on four heavy duty wheels.

Engine:

- Gasoline engine – one cylinder.
- Horizontal direction engine shaft.
- 13 HP @3600 RPM enough to operate the hydraulic pump.
- Recoil start
- Its advantage is light weight, small size, easy in maintenance.

Cable:

- Double cable, heavy duty, bears the chemical properties of the sewer water.
- USA made from general wire company.
- Made from steel and take a spring shape.
- Consist of two cables, the outer cable coiled with open pitch 1.25 inch diameter.
- The inner cable coiled with closed pitch 0.5 inch diameter.
- The unit included (20) double cable each cable 8 feet length and 1.25 inch diameter.
- The cables easy to installed and dismount

Hydraulic Pump:

- Gear pump from the constant displacement type its capacity 3.9 CC.
- Required horse power 12 HP
- 2.7 gallon/minute flow rate.
- 250 bar delivered oil pressure.
- Max speed 4000 RPM.
- Takes its power from the gasoline engine.
- provided with return valve which release the torque applied in the cables in case of increase or decrease the cables number

Hydraulic circuit component



hydraulic control engine valve



hydraulic oil filter



hydraulic pump



Hydraulic motor



Hydraulic oil tank indicator

Hydraulic motor:

- Maximum speed 1050 RPM
- Maximum torque 59 N.m
- Maximum horse power 7.9 HP

Oil tank:

- Has suitable capacity for hydraulic pump operation.
- Use as an installation base for each gasoline engine and the hydraulic components.
- Provided with oil indicator to indicate the oil level in tank.

Hydraulic control valve :

- Control hand changes the direction of rotation of the cables in clock wise and anti clock wise direction.

Cables Cutters:



Hydraulic oil filter :

- Hydraulic circuit provided with oil filter to purify the oil from its impurities and maintains the hydraulic pump.
- Filter able to purify the oil up to 10 micron.

Hydraulic distribution valve:

- Control in increasing and decreasing hydraulic motor speed without change the gasoline engine speed so we can obtain different speeds of hydraulic motor at the max gasoline engine torque.

Cables Cutters:

- Each unit include (7) cutters
- The cutters installed in the front of the cable to remove the plug in the pipe.

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