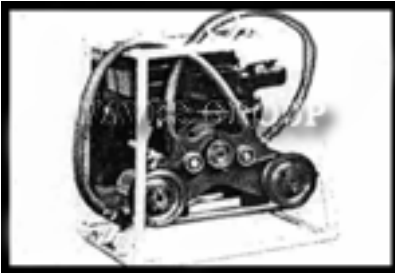


WAVES GROUP

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SS-175 (POWERPACK)

4-stroke petrol engine developing maximum 16HP at 3600 RPM.

Twin hydraulic pump assembly mounted on common plate with engine delivering up to 450 ft lb of torque through each hydraulic orbit motor.



110DG (COMPRESSOR)

Compressor operation controlled by servo mechanism to regulate airflow to receiver tank. Under continuous loads the compressor will deliver up to 110 CFM at 130 PSI.



JACRO-175 (MAST)

Mast is constructed of marine grade aluminium comprising twin uprights with bolted cross members for rigidity.

Rotary box is a sealed unit with heavy duty helical matched gears.

Pull up/down is by double high tensile chain driven by hydraulic orbit motor through reduction sprocket gears.

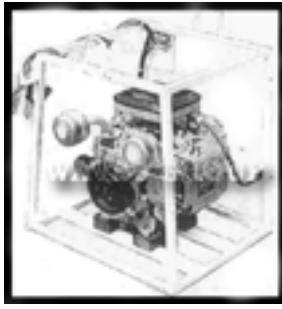
Mast height increased for easier rod handling and automatic "shut-off" to prevent excessive pull-up.



110DG (AIR SEPARATOR/RECEIVER)

This small lightweight tank acts both as an air reserve to drive the downhole hammer and to separate the air/oil mixture from the compressor before return through the radiator unit.

By using a 2" airline the compressor pack can power a downhole hammer 50 metres away, allowing rig to be moved to various shotpoint locations while compressor remains in clean air.



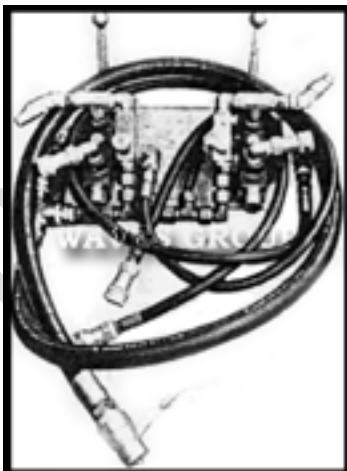
110DG (POWERPACK)

2 unit 4-stroke petrol engine (rated 36 HP at 3500 RPM). The compressor is driven by a double pulley and high speed belt assembly which can be tensioned by a simple twistlock linkage to avoid slippage or overtightening.



110DG (FAN/RADIATOR)

This unit is mounted on a common frame above the compressor and belt driven from the twin engine powerpack.



SS-175 (HYDRAULIC CONTROL SYSTEM)

All hydraulic lines and controls are plumbed-in using welded copper piping. Controls are grouped together within easy reach of driller. This ensures better performance and quicker onsite training.

The speed of rotation and pull up/down can be adjusted very simply by manual flow control valves mounted next to the control handles. A flow by-pass operates at a preset pressure of 1200 PSI to avoid damage to pump and motors.

Hydraulic Pumps: Each unit produces up to 1500 PSI of hydraulic pressure at 2800 RPM shaft speed.

Hydraulic Motors: Each unit produces up to 450 ft lb of torque at drillhead at 1500 PSI while rotational speed can be varied continuously from 0 to 220 RPM.



SS-175 (SKID/TANK)

The skid base incorporates an enlarged hydraulic tank for increased cooling capacity and efficiency of the hydraulic system.

JACRO 175

PERFORMANCE CAPACITIES

- For open hole drilling (flush drilling) 60m. depth using 12cm drag or tricone roller bit.
- For diamond core drilling 50m. depth with “N” or “H” size equipment.
- For auger drilling 18m. depth with 8cm auger on sandy strata or soft ground.

PERFORMANCE CAPACITIES WITH ADDITIONAL COMPRESSOR

- Min. 70cf at 100 psi.
- Max. 110cfm at 130 psi.

DTH. HAMMER

- Bulroc BR2.
- Button bit size 76mm to 80mm

APPLICATIONS

- A) Shot holes for seismic surveys
- B) Mineral exploration
- C) Soil Investigation
- D) Water Well
- E) Foundation, grouting and test drilling for jetties, high rise buildings etc.

APPLICATION WITH ADDITIONAL COMPRESSOR

- F) Suitable for above dth. Hammer to depth of 35m. in hard ground.
- G) The Rotacomp Compressor is incorporated with JACRO 175 portable rig for air-drilling (air flushing) to depth of 35m. using 12cm drag bit in semi-hard and soft ground.



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