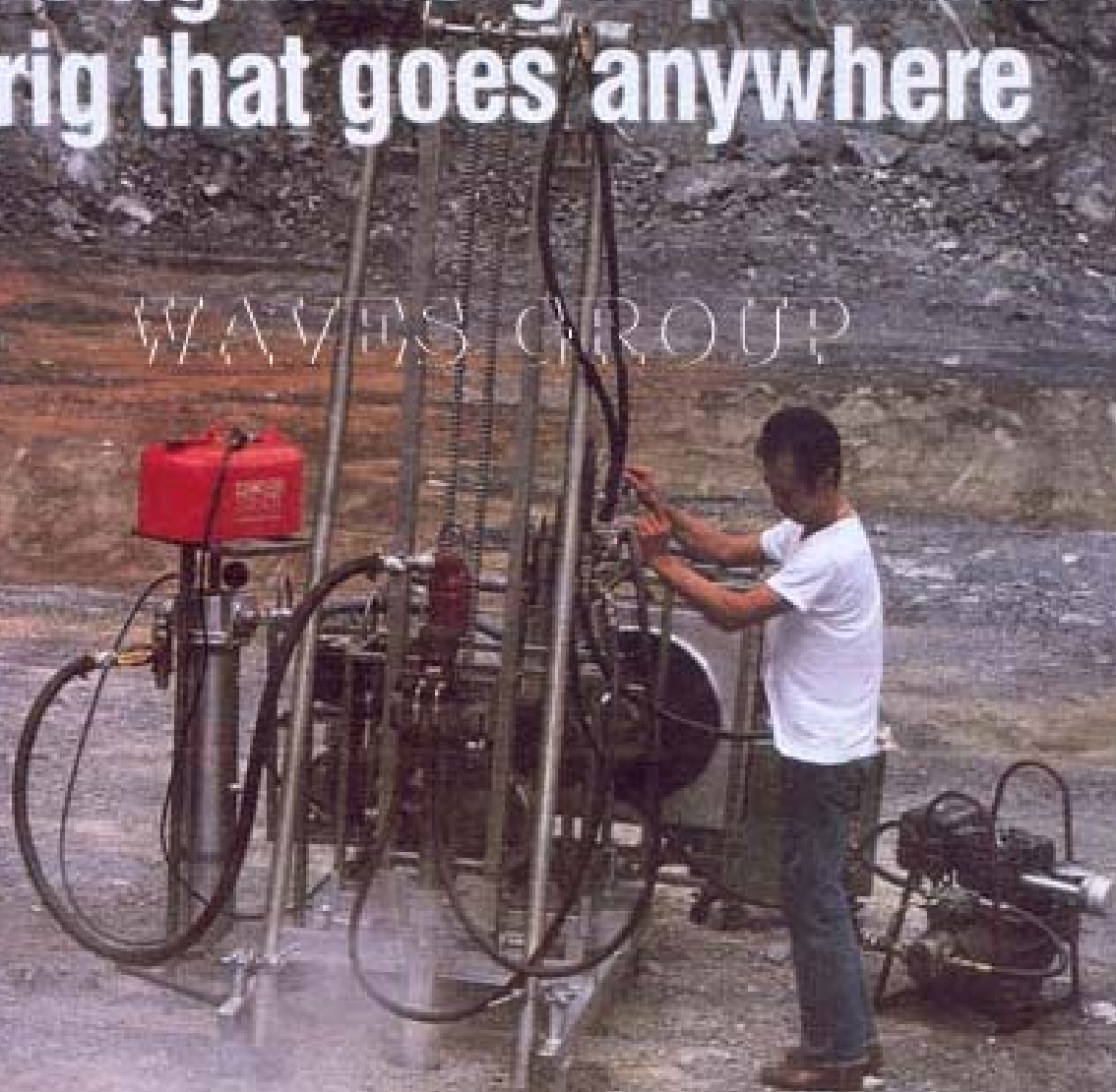


# JACRO

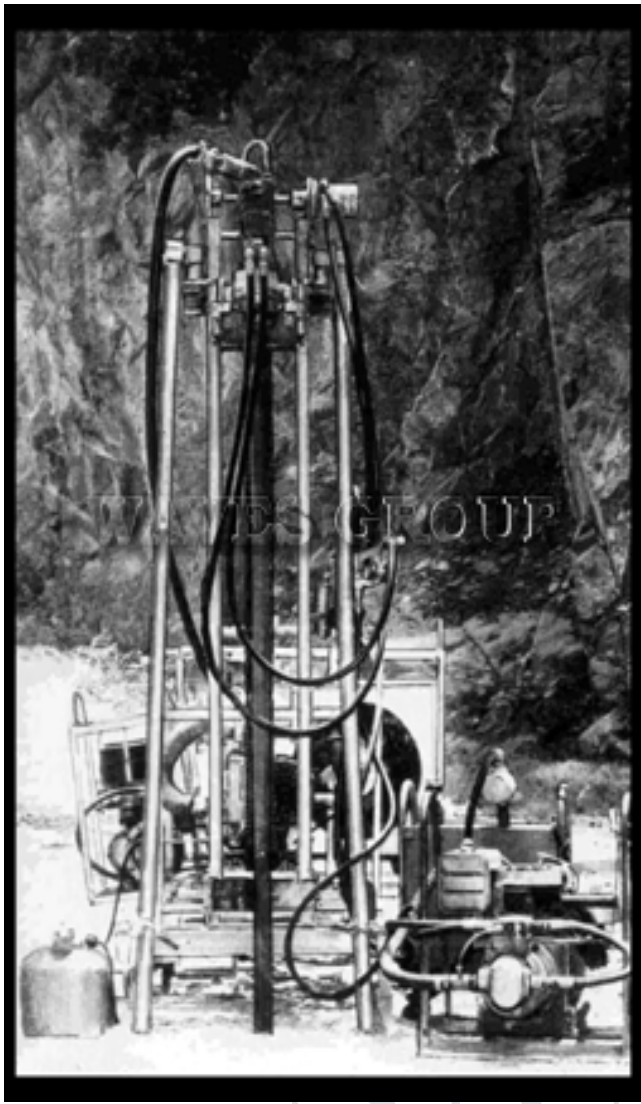
the light weight portable  
rig that goes anywhere

WAVES GROUP



**WAVES**  
**GROUP**

[www.wavesmarine.com](http://www.wavesmarine.com)



**COMPLETELY ASSEMBLED RIG WITH COMPRESSOR PACKAGE**

Has been used down to 30M with 76MM hammer drilling and 50M open hole with 100MM drag or rock bit.



**COMPRESSOR ENGINE**

Light weight two stroke developing 38 HP at 4800 RPM. Engine is coupled to compressor/oil cooler units with twin V-groove pulleys and comes complete with governor.



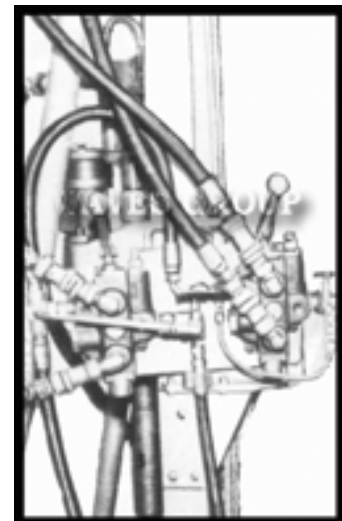
**NCA 110DG COMPRESSOR UNIT**

Oil filled screw type equipped with oil filter, and pressure feed-back control for air input. Generates up to 120 CFM (3.4 CU.M/MIN) at 150 PSI (14.0 BAR)



**ALUMINIUM OIL RECEIVER/SEPERATOR**

Incorporates hydraulic manifold to eliminate multiple hoses. Certified to 200 CFM at 250 PSI with pressure relief valve.



**JACRO 150 HYDRAULIC CONTROL**

Includes rotation/pulldown controls with relief valves and quick-release couplings. Detached during moving to facilitate transportation.



### **RADIATOR/OIL COOLER**

Facilitates cooling of compressor oil to ensure correct operating temperature. Fan is fully enclosed for safety.



### **ENGINE/HYDRAULIC PUMP**

Hydraulic power rock is integral to form compact transportable unit. 38HP engine is same as that powering the compressor for ease of maintenance and of spares supply, allowing rig to operate under most strenuous conditions without engine fatigue.



### **ROTARY BOX, ORBIT MOTOR, SWIVEL ASSEMBLY**

- Maximum Torque: 250 FT-LB. (340 Nm)
- Maximum Rotary Speed: 250 RPM

Large capacity, heavy duty swivel for use with air or water drilling. Orbit motor can be selected to give best performance for coring or augering in required.



### **BASIC JACRO – 150**

Mast located to skid base using steel pin coupling, with twin stay rods for added rigidity. Skid allows fixing of compressor package for increased tool weight.



### **JACRO 150 SKID BASE/MAST**

Mast uses twin chain hydraulic pulldown/up, and incorporates rotary box/water swivel assembly.

- Maximum stroke 6.0 feet
- Maximum pull up force: 2,000 Lbs (910 Kg.)
- Maximum pull down force: 2,400 Lbs (1090 Kg.)

Base equipped for mounting compressor pack and incorporating quick-release for mast support rods.

# JACRO 150

## PORTABLE DRILLING RIG

The Jacro-150 drilling rig is a derivative of the widely used Jacro-100, which has been specially designed for drilling in harsh conditions where extra pulldown and rigidity are required, such as when drilling through very hard formations or using a downhole hammer.

This is accomplished through the following modifications.

- Wide skid base with anchor points
- Tie rod supports
- Double chain hydraulic pulldown
- Heavy duty rotary box
- Slow speed orbit motors
- Power pack with high pressure hydraulic pump

## COMPRESSOR PACKAGE

The fully portable compressor package has been designed to provide sufficient air for 3" hammer drilling, whilst at the same time remaining simple to use and maintain.

This is accomplished through the following features.

- Single engine-single compressor package powered through belt drive.  
(Compressor type NCA 110DG developing 120 cfm at 150 psi)
- Engine is high power to weight ratio 2 stroke developing 38hp at 4800 rpm.\*
- Easily dismantled into five package: (engine, compressor, receiver, oil cooler and skid base).
- Fits onto back skid of Jacro-150.

\* *Various choices for engines are available and details can be supplied upon request.*

## WEIGHT PER PIECE

(Complete with carrying frames, hoses)

- Frame with pulldown and tie-rods	86 kg.
- Rotary box/swivel	30 kg.
- Hydraulic controls	26 kg.
- Power pack	73 kg.
- Hydraulic tank	21 kg.
- Skid	25 kg.
	261 kg.

## WEIGHT PER PACKAGE

(Complete with carrying frames, hoses)

- Engine	55 kg.
- Compressor	55 kg.
- Receiver/Separator (with oil)	43 kg.
- Oil cooler/radiator	36 kg.
- Base frame	16 kg.
Total weight	205 kg.

[Our policy is one of continued improvement: changes to design and/or specification may therefore be made without notice]



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