



**AK Drilling International**

**Depth Capacity**

**24"**

**8"**

**Meter**

**450**

**450**

**Feet**

**1476**

**1476**

# Reverse Circulation Rig

## Foremost DR-24



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### Top Drive

Stroke		11mts
Host speed	Up	25 m/min
	Down	36 m/min
Hoist capacity	Pull back	84000 lbs
	Pull down	25900 lbs
Torque		15480 Nm
Rotation speed		0-66 RPM
Spindle (opening)		2 3/4"

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### Lower Drive

Stroke		3.66 mts
Host speed	Up	7 m/min
	Down	16 m/min
Hoist capacity	Pull back	75400 lbs
	Pull down	33000 lbs
Torque		15800 Nm
Rotation speed		0-19 RPM
Max casing diameter		24"

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### **Compressor**

Capacity            1150 cfm @ 350 PSI

### **Power**

Cummins 600 HP deck engine

### **Leveling**

3 or 4 jacks with safety lock-out

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# **Reverse Circulation Rig**

## **Foremost DR-24**





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### **Drill Dimensions (mast down)**

Length	14.3 mts
Height (on typical carrier)	4.0 mts
Width	2.4 mts
Weight	21500 Kg + - 5%

### **Water and Foam Injection (Hydraulically powered triplex pump)**

Capacity	12 gal/min
Pressure	600 PSI

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### **Jib Boom Winch**

Wire rope length	36 mts
Wire rope diameter	12.7 mts
Line pull on bare drum	6000 lbs
Line speed on full drum	30 m/min

### **Hydraulic Breakout**

Lower rotary casing drive is used as a break out and spinner wrench for drill pipe joints, drill bits and down bits and down-the-hole hammers.

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## **Reverse Circulation Rig** **Foremost DR-24**

### **Hydraulic System**

A closed loop hydrostatic system is used for the lower drive. A fixed displacement hydraulic system is used for the remainder of the system.

### **Hoist System**

The hoist feed is by hydraulic cylinder. No cables, sheaves, chains or sprockets are used.

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