

# VERSA-DRILL® V-140X

Lightweight • Compact • Powerful



## SPECIFICATIONS

### Mounting

Peterbilt Model 348 6x6 (all wheel drive) chassis

### Transfer Case

Single output, full power transfer case road/PTO shift from truck cab

### Hydraulics

Mounted on 2 hole gear box, truck engine/transfer case powered Feed, winch, auxiliary and set-up functions are powered by 2 axial piston load sense pumps

Rotation is a closed loop circuit powered by a variable displacement piston pump

### Derrick

10"x16" tubular derrick construction  
35' 10" overall length  
26' top head travel  
55,000 lbs rating  
(No derrick crown load)

### Feed System (patented)

Pullback: 40,000 lbs  
Pulldown: 22,100 lbs  
Travel Speed: Up 0 to 121 FPM  
Down 0 to 218 FPM

### Standard Top Head

2 motor combination planetary/spur gear  
Variable 3 speeds/torques  
High 8,100 ft-lbs @ 125 RPM  
Mid 5,840 ft-lbs @ 175 RPM  
Low 3,545 ft-lbs @ 250 RPM

### Main Winch & Jib Boom

Hydraulic power with integral brake  
Rope capacity: 220' of 5/8" cable  
Lift capacity: 12,000 lbs single line (bare drum)  
Speed: 104 FPM  
Jib boom: Hydraulic swing/extend for main hoist line

### Cooling

Hydraulic oil cooler mounted on deck and compressor cooler mounted in cabinet with compressor

### Controls

Left hand mounted, functionally grouped gauges and controls with twin fold-up platforms

### Leveling Jacks

2 front-mounted 36" stroke  
2 rear-mounted 36" stroke  
Independent controls

### Centralizer

Retracting hydraulic split centralizer table including hydraulic breakout wrench and air operated holding wrench

Maximum 12" casing through centralizer table

### Carousel

Hydraulic powered, derrick-mounted carousel with holding flats for makeup and break out purposes

17 pieces of 3"x20' drill rod

15 pieces of 3 1/2"x20' drill rod

11 pieces of 4 1/2"x20' drill rod

### Dimensions

Overall Length: 35' 10"  
Overall Height  
Derrick up: 40'  
Derrick down: 12' 8"  
Overall Width: 8'

### Options (at additional cost)

#### Air Compressor

500 CFM/200 PSI self-contained module

#### Rod Handling

Automated/Manual rod handling for 3 1/2" OD x 20' drill rod (only)

#### Main Winch

18,000 lbs (bare drum)

#### Auxiliary Hoist

2,000 lbs (bare drum) 142 FPM

4,000 lbs (bare drum) 164 FPM

8,000 lbs (bare drum) 77 FPM

\*Each with swing jib and 1 additional LED night light

#### DHD Lubricator

7 gallon capacity

#### Water Injection

FMC Bean Pumps  
- 9 GPM  
- 25 GPM with foam injection

### Mud Pumps

3x4 centrifugal with mechanical seal  
5x6 piston-type hydraulic driven  
6x8 piston-type hydraulic driven  
Centerline MFG mud pumps

### Grout Pump Assembly

1 1/2" Bowie pump mounted inside of deck  
2" Bowie pump  
3L4 Moyno pump  
3L6 Moyno pump  
Geo-Loop grouter

### Night Lighting System

3 LED lights mounted on derrick and above control panel

### Hose Reel

Manual 1.18" hose OD (capacity 175')

### Truck Specifications

#### Peterbilt Model 348 6x6 (all wheel drive)

Wheelbase: 220"  
Cab-to-Axle: 150.2"  
GVWR: 54,600 lbs

#### Axles and Suspension

Front Axle Rating: 14,600 lbs  
Front Suspension: 14,600 lbs leaf  
Rear Axle Rating: 40,000 lbs tandem\*  
Rear Suspension: 40,000 lbs Haulmaxx (HMX400)  
\*Driver controlled full locking axles  
Wide track rear suspension  
Super singles on all tires (425/65 R 22.5), mounted on Alcoa aluminum wheels

#### Engine

PACCAR PX-8 330 HP

#### Transmission

Allison automatic transmission

#### Brakes

Air brake system with anti-lock brakes included

#### Clutch

Two plate, 14" diameter ceramic clutch

#### Fuel Tank Capacity

100 gallon