



# PH-100 AND PH-100EL PUMP HOIST

**PH-100 AND PH-100EL PUMP HOIST**  
 PH-100 and PH-100EL provide 100,000 lbs. of hoisting capacity and are all-hydraulic. PH-100 offers 52 ft. of mast height and a set back up to 12 ft. PH-100EL offers 65 ft. of mast height and a set back up to 15 ft. These units are built with speed and safety in mind. The standard all-hydraulic drawworks and automatic fail-safe brake system provide efficient, simple operation and superior performance.

## DRAWWORKS

Model.....	HD20 (Double Drum Hydraulic)
Single Line Pull.....	PH-100: 25,000 lbs. (11.34 mt) PH-100EL: 25,000 lbs. (11.34 mt)

## Hoisting Drum Information

Main Barrel Dimensions.....	20.28 in. x 22.05 in. (515 m x 560 m)
Wire Line Size.....	3/4 in. (19.0 mm)
Single Line FPM.....	PH-100: 140 FPM PH-100EL: 140 FPM
4-Line Block Speed.....	PH-100: 35 FPM PH-100EL: 35 FPM

## Sand Drum Information

Sand Drum Diameter.....	16.85 in. x 24.25 in. (427 m x 615 m)
Standard Sand Line Size.....	9/16 in. (14.28 mm)
Max. Sand Line.....	3,000 ft. (914.4 m)
Single Line FPM. PH-100 & PH-100EL:	Approx. 200
Single Line Pull.....	15,000 lbs. (6.80 mt) Max

## MAST

Model.....	PH-100: 52/100 PH-100EL: 65/100
Mast Height.....	PH-100: 52 ft. (15.84 m) PH-100EL: 65 ft. (19.81 m)
No. of Lines to the Block.....	4 Lines

Mast Layback.....	PH-100: 2 ft. (.60 m)-12 ft. (3.65 m) PH-100EL: 2 ft. (.60 m)-15 ft. (4.75 m)
Capacity.....	PH-100: 100,000 lbs. (45.35 mt) PH-100EL: 100,000 lbs. (45.35 mt)
Main Line Size.....	3/4 in. (19.0 mm)
Traveling Block.....	PH-100: 50 Ton (optional) PH-100EL: 50 Ton (optional)

## Mast Raising System

Raising Rams.....	(2) Single Stage Double Acting
Tail Out Hoist Capacity.....	7,500 lbs. @ 150 FPM
Guy Lines.....	(2) w/ ratcheting boomers

## Power Plant & Transmission

Engine.....	Supplied in truck
Transmission.....	Supplied in truck
Transfer Case.....	Commercially Produced, 342 HP.

## AIR ELECTRICAL & HYDRAULIC

Air System.....	Supplied in truck
Electric System.....	Supplied in truck
Hydraulic System.....	50 GPM, 2100 PSI.
Hydraulic Tank.....	200 gal.

## SKID FRAME

Length.....	PH-100: 24 ft. (7.3 m) PH-100EL: 27.5 ft. (8.38 m)
Width.....	8 ft. (2.43 m)
Decking.....	1/8 in. (3.17 m)

## CONFIGURATION WITH TRUCK

Overall Length.....	PH-100: 35 ft. - 5 in. PH-100EL: 41 ft. - 3 in.
Width (Traveling).....	8 ft. - 3 in.
Overall Height.....	PH-100: 13 ft. - 1 in. PH-100EL: 13 ft. - 1 in.
Front Overhang.....	PH-100: 8 in. PH-100EL: 3 ft.
Estimated Weight.....	53,500 lbs.

*\* Dimensions and estimated weight based on average configurations. Weight will vary depending on rig options requested.*

## TRUCK SPECIFICATIONS

- 370 - 400 HP. minimum diesel engine
- Fuller 10 speed transmission
- 20,000 lb. front axle
- 44,000 lb. rear tandem axle
- PH-100: 252 in. wheel base
- PH-100EL: 297 in. wheel base

## Other Equipment Included

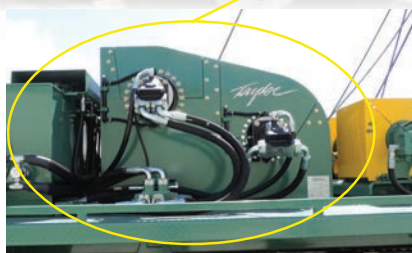
- Offside Aux. Valve Bank
- Break Out Package - (1) Hydraulic Cylinder
- (1) Tool Box

## Optional Equipment

- Spudder Assembly
- Cathead Assembly
- Tong Circuit
- Additional Auxillary Winches

Unit shown with optional equipment.

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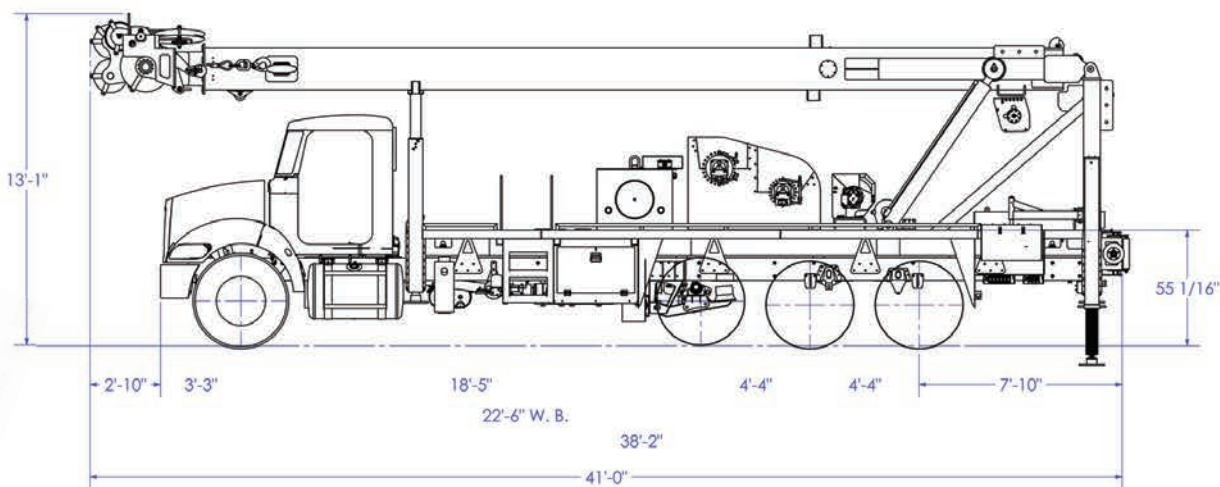
The standard all-hydraulic drawworks and automatic fail-safe brake system provide efficient, simple operation and superior performance.



An optional integrated spudder mounted forward of the drawworks offers a max output speed of 31 rpms and a max operating torque of 13,750 ft. lbs.



The operators console is located at the rear of the rig and conveniently located for excellent visibility and operator comfort. The operator's console includes drum, winch, mast, cathead & catworks controls including an emergency shutdown.



*Taylor*  
INDUSTRIES

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