



High-Speed Stamping Presses

A REPUTATION OF EXCELLENCE.....

.....A COMMITMENT TO INNOVATION

## LP-300-72

Two Point Straight Side Press



**OAK** Press Solutions Inc.

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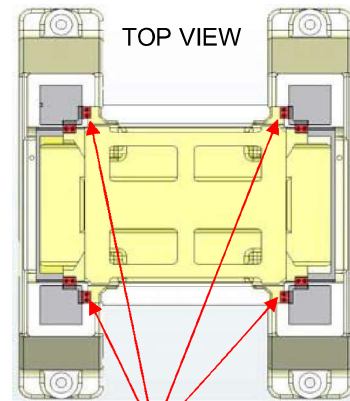
## Design Features

### Slide Lift System

Hydraulic withdrawl  
Quick Change Tooling  
Stuck on Bottom Recovery  
Overload protection

### Drive System

Anti-friction roller bearings  
"Scotch Yoke" drive assembly



### Guidance System

12 Point System  
Anti-friction roller bearings  
Zero clearance gibs  
Large effective bearing area

### Drive System

OAK presses use of anti-friction roller bearings on all driving components to provide superior precision, life, and speed compared to conventional bushings. The patented scotch yoke slide eliminates connecting rods and places 90 % of the die area between the driving mechanisms for superior off-center loading performance.

### Guidance System

The LP series incorporates a 12 point guidance system on the slide. All gibs use anti-friction roller bearings installed with zero clearance. Gibs are located at extreme ends of the slide to provide maximum effective bearing area. This gives the slide a very high degree of accuracy for higher quality parts and longer tool life.

### Slide Lift System (Hyd. Withdrawl)

The patented hydraulic withdrawl system will give you up to 5 inches of die separation without effecting the shutheight setting. This feature simplifies die inspection and tool maintenance.

### Quick Change Tooling System

The hydraulic withdrawl system allows you to lift the complete die assembly off the bolster for easy and fast die change.

### Stuck on Bottom Recovery

The hydraulic withdrawl system allows you to raise the slide independent of drive shaft position. This feature makes it impossible to stick the press on bottom dead center.

### Automatic Lubrication System

An automatic lubrication system with progressive feeder manifolds ensures proper lubrication volumes to all driving and guidance systems on the press. This system also incorporates fault detection for low lube levels and lube point blockage.

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## Specifications

Technical Data	Imperial Rating	Units	Metric Rating	Units
Capacity	300	tons	2669	kN
Force Rating Distance	0.06	inches	1.52	mm
Stroke Length (max.)	3.00	inches	76.20	mm
Shut height (min) *	9.00	inches	228.60	mm
Shut height (max) *	12.00	inches	304.80	mm
Slide lift (hydraulic withdrawl)	6.00	inches	152.40	mm
Strokes per minute (min.)	133	SPM	133	SPM
Strokes per minute (max.)	400	SPM	400	SPM
Bolster area (left - right)	99.00	inches	2514.60	mm
Bolster area (front - back)	36.00	inches	914.40	mm
Bolster thickness	8.00	inches	203.20	mm
Bolster Height from floor	50.00	inches	1270.00	mm
Slide area (left - right)	79.12	inches	2009.65	mm
Slide area (front - back)	35.00	inches	889.00	mm
Die Loading area (left - right)	72.50	inches	1841.50	mm
Die Loading area (front - back)	37.00	inches	939.80	mm
Bed Opening area (left - right) **	66.00	inches	1676.40	mm
Bed Opening area (front -back) **	16.00	inches	406.40	mm
Floor Space (left - right)	100.50	inches	2552.70	mm
Floor Space (front - back)	88.00	inches	2235.20	mm
Height	176.00	inches	4470.40	mm
Weight	98600	pounds	44725	kg
Main Motor	50.00	HP	37.29	kW

\* custom shut height available upon request.

\*\* custom bed openings available upon request.

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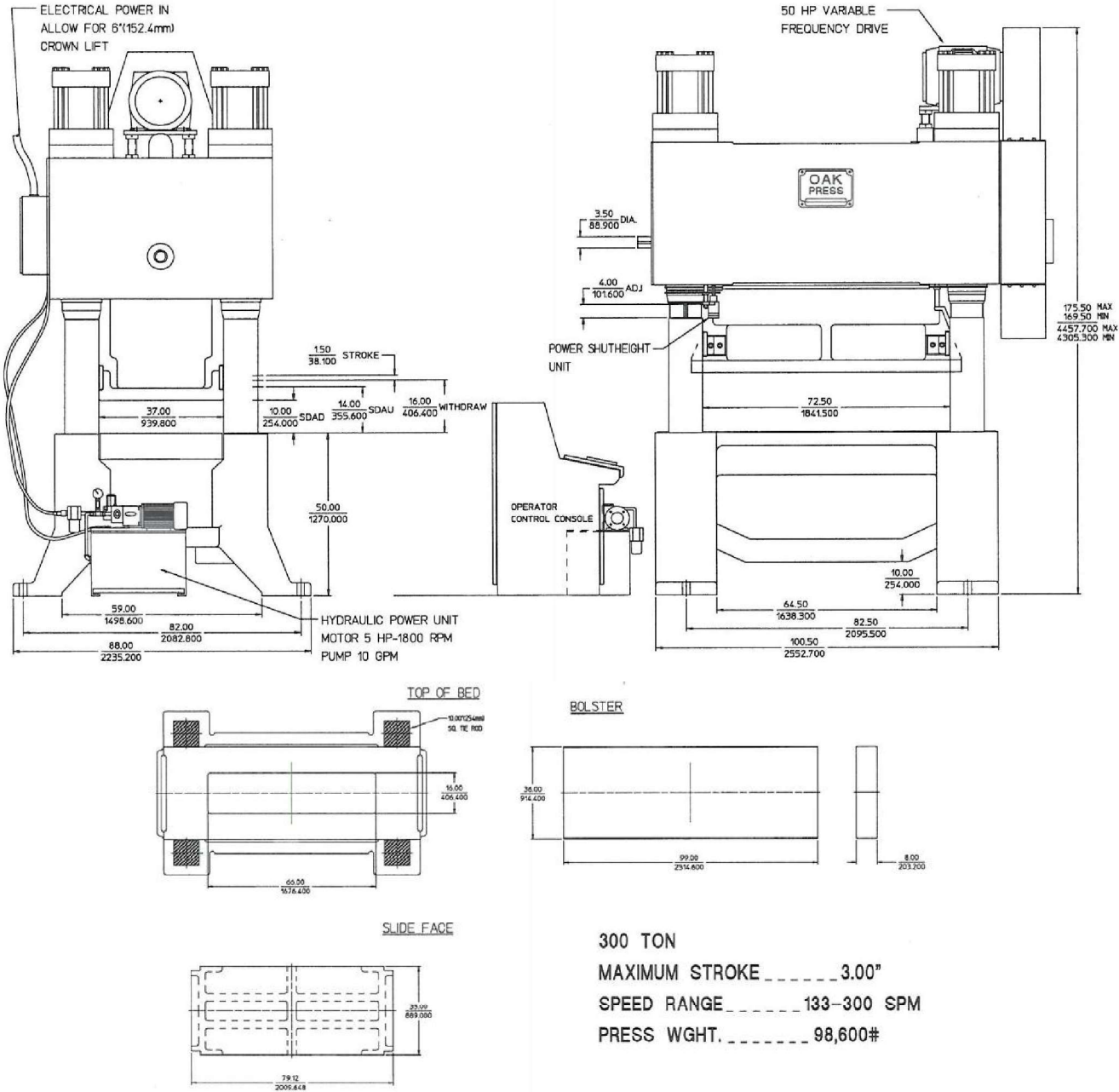
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## Dimensions



300 TON  
 MAXIMUM STROKE ..... 3.00"  
 SPEED RANGE ..... 133-300 SPM  
 PRESS WGHT. .... 98,600#

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