

## CUSTOM BUILD YOUR OWN PRESS

If the press that would best fit your application cannot be found in the charts, you can easily build your custom press here. All presses must be ordered with cylinders. The pump is ordered separately.

▼ This is how a press model number is built up:

| IP           | H          | 050            | S             | 06              | - | 1                 |
|--------------|------------|----------------|---------------|-----------------|---|-------------------|
| 1            | 2          | 3              | 4             | 5               |   | 6                 |
| Product Type | Frame Type | Press Capacity | Cylinder Type | Cylinder Stroke |   | Pump Mounting Kit |

### 1 Product Type

IP = Industrial Press

### 2 Frame Type

H = H-Frame

R = Roll Frame <sup>1)</sup>

### 3 Press Capacity

010 = 10 tons

025 = 25 tons

030 = 30 tons

050 = 50 tons

100 = 100 tons

150 = 150 tons

200 = 200 tons

### 4 Cylinder Type

S = Single-Acting (S/A)  
(RC-Series)

D = Double-Acting (D/A)  
(RR-Series)

### 5 Cylinder Stroke (in inch)

- 10 ton S/A: 06, 08, 10, 12, 14

10 ton D/A: 10, 12

- 25 ton S/A: 06, 10, 12, 14

- 30 ton S/A: 08

30 ton D/A: 08, 14

- 50 ton S/A: 06, 13

50 ton D/A: 06, 13, 20

- 100 ton S/A: 06, 10

100 ton D/A: 06, 13, 18

- 150 ton D/A: 06, 13, 32

- 200 ton D/A: 13, 18, 24

### 6 Pump Mounting Kit <sup>2)</sup>

0 = No mounting kit

1 = Hand operated and small air pumps:

P80, P84, P141, P142, P202,

P391, P392, hand pumps,

PA133 air pump and

all PA-Series Turbo II Air pumps

2 = Electric, large hand operated and modular air pumps:

PUJ12, ZE3 - ZE6-Series Electric Pump

P462, P464 Hand Pump

PAM10 and ZA4-Series Air Pump

<sup>1)</sup> Roll Frame Press: 50, 100 and 200-tons press capacity only (assembly required).

<sup>2)</sup> Includes hoses for press, except for option 0.

### Ordering Example

Model number: **IPH050S06-2**

IPH050S06-2 is a 50-tons H-Frame press with a single-acting, 6-inch stroke cylinder (RC506). It has a pump mounting kit (for an electric pump or a modular air pump).

See the cylinder and pump selection chart on previous page for selecting the proper pump.

## IP, IPR Series



Capacity:

**10 - 200 tons**

Maximum Daylight and Width:

**54.50 & 48.00 inches**

Maximum Operating Pressure:

**10,000 psi**



“No Load” indicates the plunger speed as it extends toward the load (1st stage).

“Load” indicates the plunger speed as the load is applied at a system pressure of 10,000 psi (2nd stage).

### Formula $V = A \div Q$

$V$  (sec/in) =  $A$  (in<sup>2</sup>) ÷  $Q$  (in<sup>3</sup>/min)

$V$  = Cylinder plunger speed in seconds per inch

$A$  = Cylinder effective area in square inches (in<sup>2</sup>)

$Q$  = Pump oil flow in cubic inches (in<sup>3</sup>)

|                                 |   |                                                                                                |   |                            |
|---------------------------------|---|------------------------------------------------------------------------------------------------|---|----------------------------|
| Cylinder Plunger Speed (sec/in) | = | $\frac{\text{Cylinder Effective Area (in}^2\text{)}}{\text{Pump Flow Rate (in}^3\text{/min)}}$ | x | $\frac{60 \text{ sec}}{1}$ |
|---------------------------------|---|------------------------------------------------------------------------------------------------|---|----------------------------|