



PHX HEAVY DUTY BENCH PRESSES

2 Through 35 Tons

Rugged. Dependable. Affordable. Quality Phoenix Hydraulic Presses deliver consistent performance – in even the toughest of metal forming & assembly applications

Every Phoenix press is built with standard industrial hydraulics & electrical components that can be obtained from local sources. This keeps operating & maintenance costs to a minimal & helps eliminate costly downtime.



Model PHX-8 shown
with optional
mounting bench &
optional U-slot in bed

Standard Features

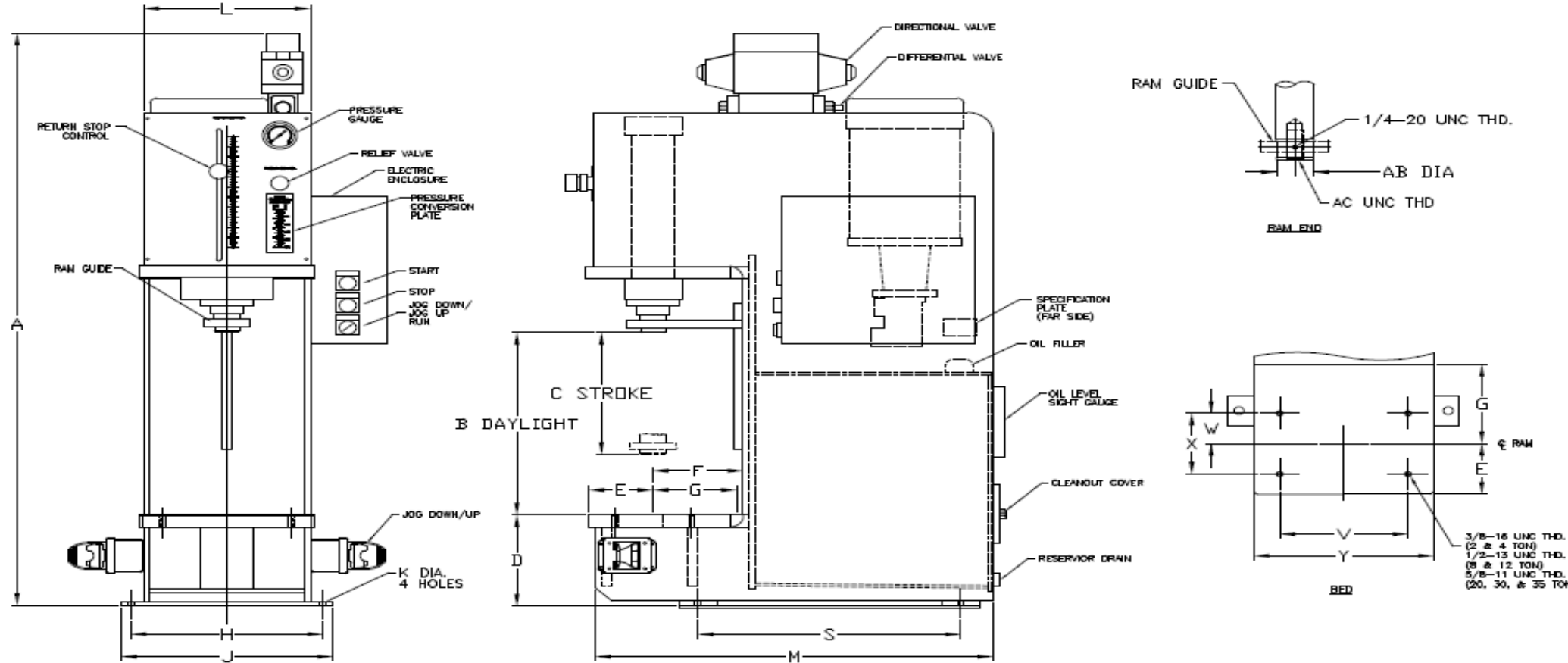
- Ergonomic push buttons
- PB-2 control circuit, pressure reversal, pressure differential
- Paint-Almond
- NEMA 12 enclosure
- Adjustable pressure (approx. 20% to 100%)
- Adjustable ram stroke with proximity switch upper stop
- Nonrotating ram guide
- Oil level sight gauge
- Fused disconnect
- Selector switch for run, jog up/jog down
- Standard NFPA Cylinder
- TEFC motor
- Standard components available from local suppliers
- Oversized reservoir for cooler operation
- Hydraulic pump mounted out of reservoir for ease of repair

Options & Accessories

- Specified paint color
- Proximity switch (distance) reverse of ram
- Increased ram speed
- Return line filter
- Water cooled, or air heat exchanger
- Bolster plates: U-slot, platen surface, custom machined
- Light curtains
- Cam driven index table, 4 to 32 stops
- Mounting bench
- Positive stop mounted on cylinder
- Special daylight or stroke
- Additional options available on request

Dimensions

PRESS	A	B	C	D	E	F	G	H	J	K	L	M	S	V	W	X	Y	AB	AC
PHX-2	42"	12"	6"	6"	4 ¾"	7"	6 ½"	12 ¾"	14 ¾"	9/16"	10 ¾"	25 ¼"	16"	8"	2 ¾"	5 ½"	12"	0.937"	½" – 13
																		0.934"	
PHX-4	43 ½"	12"	6"	9"	5"	7"	6 ½"	15"	17"	9/16"	13"	30 ½"	20 ½"	10"	3"	6"	13 ½"	1.312"	⅞" – 9
																		1.309"	
PHX-8	51 ½"	18"	12"	9"	5 ½"	7"	6 ½"	15"	17"	9/16"	13"	31 ½"	20 ½"	10"	3"	6"	14"	1.937"	⅞" – 9
																		1.934"	
PHX-12	52 ½"	18"	12"	10"	6"	8"	7 ½"	17"	19"	9/16"	15"	36"	24"	10"	3"	6"	16"	2.375"	⅞" – 9
																		2.372"	
PHX-15	52 ½"	18"	12"	10"	6 ½"	8"	7 ½"	17"	19"	9/16"	15"	36 ½"	24"	10"	3"	6"	16"	2.375"	⅞" – 9
																		2.372"	
PHX-20	55"	18"	12"	12"	6 ½"	8"	7 ½"	19"	21"	11/16"	16"	42"	30"	12"	4"	8"	18"	3.249"	1" – 12
																		3.245"	
PHX-30	59 ½"	18"	12"	13"	6 ½"	10"	9 ½"	20 ½"	22 ½"	13/16"	17 ½"	46"	32"	13"	4"	8"	20"	3.749"	1½" – 12
																		3.745"	
PHX-35	59 ½"	18"	12"	13"	6 ½"	10"	9 ½"	20 ½"	22 ½"	13/16"	17 ½"	46"	32"	13"	4"	8"	20"	3.749"	1½" – 12
																		3.745"	



Specifications

Tonnage	2	4	8	12	15	20	30	35
Cylinder Bore Dia.	1-1/2"	2"	3-1/4"	4"	4"	5"	6"	6"
Cylinder Rod Dia.	1"	1-3/8"	2"	2-1/2"	2-1/2"	3-1/2"	4"	4"
Max. Op. Pressure	2,263	2,546	1,928	1,910	2,387	2,037	2,120	2,476
Min. Op. Pressure	200	200	200	200	200	200	200	200
HP @ 1800 RPM	2	5	7	10	15	15	15	20
Reservoir Cap. (GAL)	5-1/2	11	16	22	22	33	40	40
Weight	Press	400	500	1050	1300	1400	2300	3000
	Bench	100	175	175	215	215	315	370
Vane Pump (GPM)	1.5	3	6	9	9	9	12	12
Appr. Ram Speeds								
Advance	(IPM)	387	421	397	382	382	185	199
Press	(IPM)	176	198	157	149	149	106	90
Return	(IPM)	319	376	243	245	245	188	159

Capacity: Tonnage is adjustable from approx. 20% to 100% of maximum rating. Lower ranges of operation are available upon request.

General Construction: The press is of all-steel construction, welded for maximum strength & stability & minimum deflection. For long life, all cylinder rods are hardened, ground, and hard chrome plated to resist scratching & scoring. Large reservoirs are an integral part of the frame, eliminating the need for a heat exchanger in most single pump applications.

Hydraulic Components: Cylinder, pumps, & valves meet JIC Standards. Valves with indicator lights are used & the hydraulic circuit is designed to counteract the tendency of the ram to drift down. The pump is a fixed volume vane type and is a C Face mounted to the electric motor.

Electrical Components: Includes controls to JIC Standards, TEFC Motor, NEMA 12 control cabinets (dust proof & oil tight), indicator lights, magnetic starter, 110 volt transformer & terminal block. Operating voltage is 230/460 volts, 3 phase, 60 hertz, unless otherwise specified.

Sound Level: When factory tested prior to shipment, presses have a decibel level rating under 85dB at the operator's position.

Manuals: Operating & maintenance manuals and drawings are furnished as part of every press order

Hydraulic Fluid: Uses standard hydraulic fluid, Mobil DTE-26 or equal. Phosphate ester (fire resistant), water/glycol or other fluids, must be specified. Presses are factory tested & reservoir drained prior to shipment. Selling price does not include hydraulic fluid.

