

**Product Name :**  
C Type Steel Body Inclined Presses - Workshop  
Machinery

**Product Code :**  
TECH0001



**Description :**

C Type Steel Body Inclined Presses

**Technical Specification :**

C Type Steel Body Inclined Presses .

Standard Accessories : Suitable Electric Motor 3 Phase Motor Pulley Suitable Push Button Starter Set of V-Belts Belt Guard Gear Guard Hand safety device Special Steel Spanner for adjustment to lock Nutt Hand operated oil lubrication Pump Clamps for Holding dies Bolster Plate duly machined having T-Slots

**SPECIFICATIONS INCLINABLE POWER PRESSES - Series (Steel Body)**

Maximum Pressure 10 Tons 20  
Tons 30 Tons 50  
Tons 75 Tons 100 Tons 150 Tons 200  
Tons 250  
Tons  
Stroke 50  
MM 62  
MM 75 MM 87  
MM 100 MM 112 MM 150 MM 188  
MM 226  
MM

Length of Bed	483	550	660	779	813	940	1016	1092	1168	
Width of Bed	330	362	406	508	546	686	737	788	839	
Opening in Bed	114	114	127	152	178	216	254	292	330	
Bolster Plate Thickness	64	65	76	76	89	102	102	102	102	
Bed to Ram bottom	235	275	330	432	470	597	635	673	711	
Hole in ram for Punch - Dia	38	38	51	51	51	79	79	79	79	
Hole in ram for Punch Depth	70	70	79	89	89	-	152	152	152	
Adjustment ram	19	19	25	32	32	32	32	32	32	
Fly Wheel Dia	508	550	610	787	914	965	1066	1167	1268	
Gear Dia	425	500	650	700	800	900	1066	1162	1263	
Section of V Belts	B	B	B	B	B	C	C	C	C	
No. of V Belts	3	3	3	4	4	4	5	5		
Mo. of Strokes per - minute		76	70	60	55	40	35	30	30	
Electric Motor (1440 RPM)		2 HP	3 HP	3 HP	5 HP	7.5 HP	10 HP	15 HP	20 HP	25 HP
Gross Weight	900 Kgs.	1300 Kgs.	1900 Kgs.	3300 Kgs.	4500 Kgs.	6000 Kgs.	8000 Kgs.	10000 Kgs.	13000	

**SPECIFICATIONS STEEL BODY POWER PRESS - Geared & Ung geared Inclined Or Fixed Body Series**

Capacity	3 Tons	5 Tons	10 Tons	15 Tons	20 Tons	30 Tons	50 Tons	75 Tons	100 Tons	150 Tons	200 Tons	250 Tons
Crank Shaft Dia.	38	51	60	70	76	83	95	115	127	140	158	165
Stroke Adjustment	2-19	6-25	6-25	10-38	13-51	13-63	13-76	13-102	13-15	13-127	13-152	13-165
Side Adjustment	20	25	25	25	25	25	40	50	60	60	70	70
Hole in Ram	19	25	25	32	32	38	51	51	55	55	63	63
Hole in Bed	51	63	76	89	89	102	127	178	191	23	216	216
Length & Width of Bed	255 x 152	305 x 178	356 x 203	432 x 254	457 x 305	508 x 355	660 x 406	711 x 508	813 x 558	914 x 610	965 x 660	1067 x 711
Dist. Bed to Ram /	152	152	180	205	230	266	290	330	381	410	432	485
Stroke Per Minute												
Geared (S.P.M.) I	90	80	80	75	60	55	5	50	45	40	30	30
Ung geared (S.P.M.) II	165	150	130	120	120	115	90	-	-	-	-	-
H.P./Rpm Ung geared	0.5 / 960	0.5 / 960	1 / 960	1.5 / 960	2 / 960	3 / 960	5 / 960	-	-	-	-	-
H.P./Rpm Geared	0.5 / 1440	0.5 / 1440	1 / 1440	1.5 / 1440	2 / 1440	3 / 1440	5 / 1440	7.5 / 1440	10 / 1440	15 / 1440	20 / 1440	25 / 1440
Floor to Top of Bed	520	690	730	740	815	815	900	915	915	915	1000	1050
Weight Approx. Kg.	200	300	450	700	900	1100	2350	3500	5000	6000	9000	11500

Shut Height at standard Max. Stroke is the distance between table surface & slide face with slide at bottom of stroke & adjustment up.

**PILLAR TYPE POWER PRESSES**

**TWO POINT STEEL BODY, HIGH SPEED UNGEARED WITH PNEUMATIC CLUTCH ELECTRICALS AND ITS FITTINGS OR ROLLING KEY CLUTCH**

**SPECIAL FEATURES :**

The Pillar Type presses are made through welded steel construction for utmost rigidity and low deflection. Fabricated steel slide running in eight extra long guides with non-metallic liners to ensure perfect alignment.

Slide counter balancers to minimize guide wear and ensure smooth movement resulting in improved tool life.  
 Combination clutch and brake with interlocking of functions and dual solenoid valve to ensure "fail safe" operation.

Efficient DC variable speed drive for quick and wide selection of speeds.

Motorised central lubrication system.

Stroke counter, slide adjustment indicator provided on machine.

Motorised slide adjustment.

#### SPECIFICATIONS FOR INCLINABLE POWER PRESSES - AMI-H Series (Steel Body)

Maximum Pressure	50 Tons	80 Tons	100 Tons	160 Tons	200 Tons
Bolster Area L.R.-F.B.	700 X 500	750 X 550	1000 X 600	1050 X 600	1100 X 600
Stroke Fixed	40	40	45	45	45
Bed to Ram Bottom	300	300	300	350	350
Slide Area L.R.-F.B.	500 X 400	550 X 400	900 X 500	900 X 500	1000 X 500
Strokes Per Minute	90	90	80	80	80
Section of V Belts	B	B	B	C	C
No of V Belts	3	3	3	4	4
Main Motor (960 RPM)	3HP	5HP	10HP	15HP	20HP

Also available in variable speed motors.

#### CROSS SHAFT POWER PRESSES

#### STEEL BODY WITH PNEUMATIC CLUTCH, ELECTRICALS AND ITS FITTINGS

#### SPECIAL FEATURES :

The front-to back shaft gap frame press has been developed for the general stamping and forging industry which require very high rigid presses.

Heavy ribbing welded to the frame insures optimum rigidity into the longitudinal (left- to-right) direction of the press. Further, the main shaft is supported at three bearing points to eliminate cantilever action. The closeness of the bearings to each other also imparts sturdiness to the shaft.

Combination type of friction clutch & brake unit eliminates overlapping of torque, gives fast action and reduces lining wear to the minimum.

All the drive components are housed within the frame structure itself to ensure better access to the working area and greater operational safety.

#### SPECIFICATIONS FOR INCLINABLE POWER PRESSES - AMI-H Series (Steel Body)

Maximum Pressure	25 Tons	40 Tons	63 Tons	80 Tons	110 Tons	160 Tons	250 Tons
Bolster Area L.R. - F.B.	640 x 380	750 x 460	800 x 500	850 x 550	1100 x 700	1250 x 800	1350 x 900
Stroke Adjustable	75	75	87	100	125	150	150
Slide Adjustment	50	50	50	50	70	70	70
Bed to Ram Bottom	300	350	375	425	600	800	900
Hole in Bed	130	150	170	190	212	250	300
Shank Hole	50	50	50	50	80	T SLOT	T SLOT
Stroke Per Minute	60	55	50	40	35	35	30
Section of V-Belts	B	B	B	B	B	C	C
Main Motor (1440 RPM)	3 HP	3 HP	5 HP	7.5 HP	10 HP	15 HP	20 HP

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# **LAB ENGINEERING**

**Elab Engineering Equipments Manufacturers**