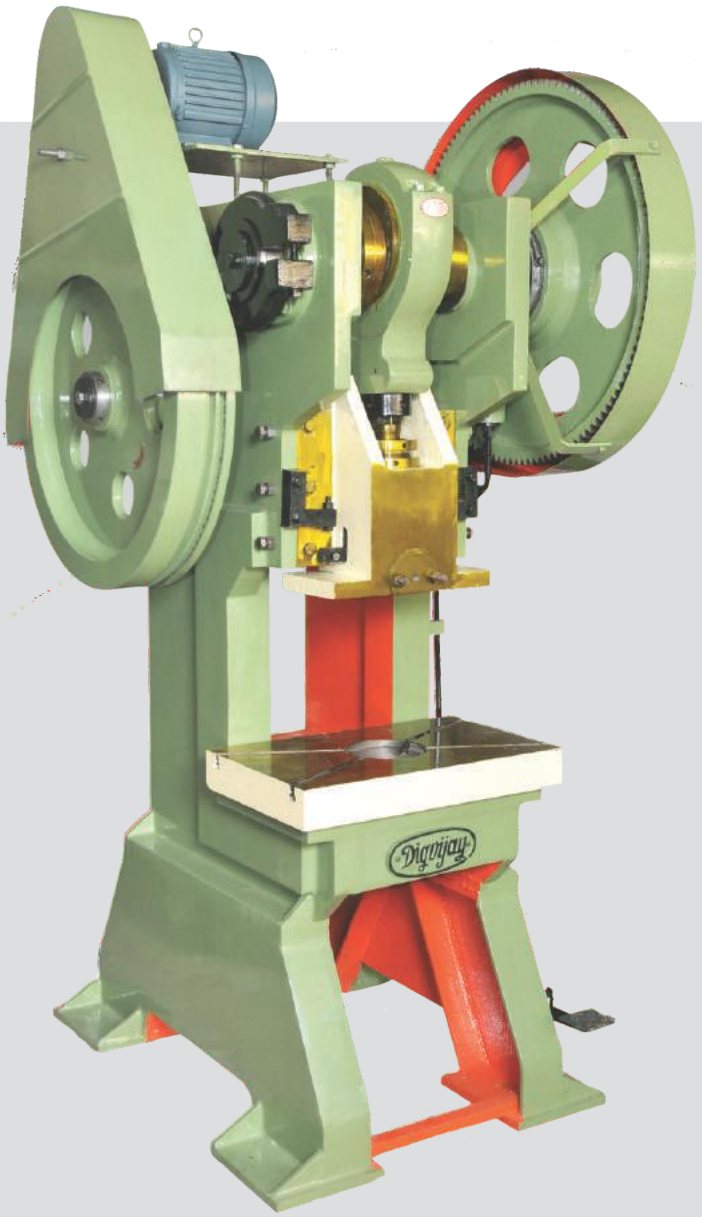
# POWER PRESS

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## DIGVIJAY ENGINEERS

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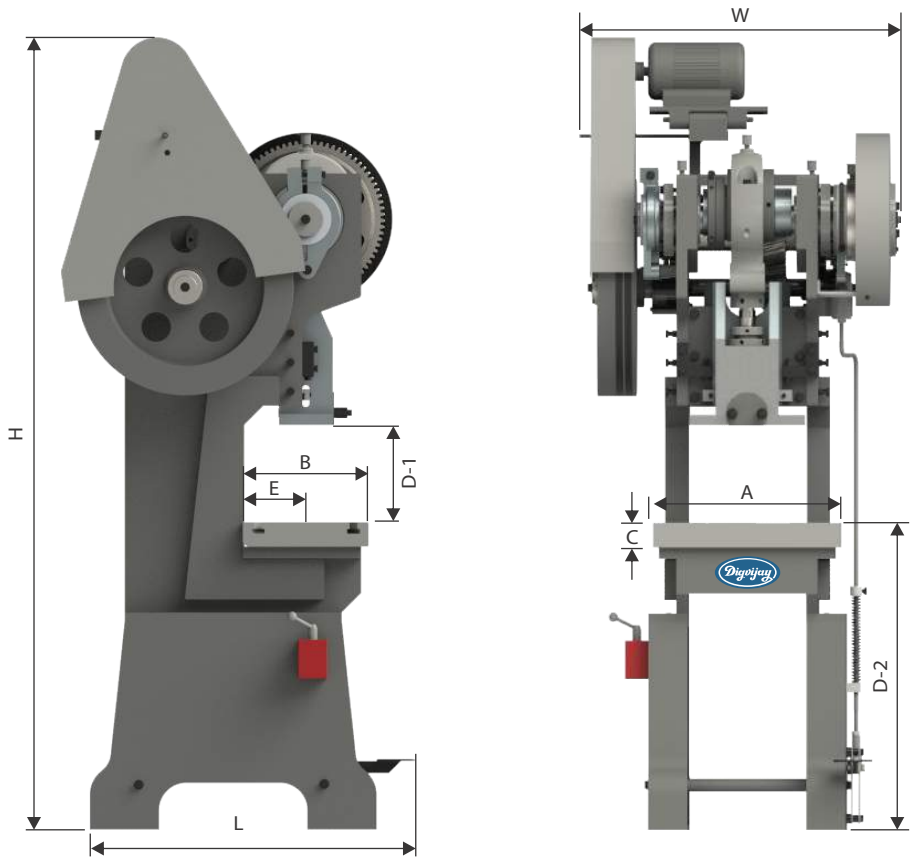
# C TYPE POWER PRESS




**Open back C frame inclinable, non - inclinable steel body geared & ungeared power presses.**

| DESCRIPTION | DCX-03 | DCX-05 | DCX-10 | DCX-20 | DCX-30 | DCX-40 | DCX-50 | DCX-65 | DCX-80 | DCX-100 | DCX-150 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Crank Shaft Diameter | 45 | 51 | 60 | 76 | 89 | 95 | 102 | 111 | 120 | 130 | 145 |
| Stroke Adjustment | 6-25 | 6-38 | 6-51 | 13-76 | 13-76 | 13-82 | 13-89 | 13-102 | 13-115 | 13-127 | 13-127 |
| Dist. Bed To Ram (D-1) | 172 | 178 | 203 | 254 | 280 | 318 | 356 | 381 | 406 | 457 | 508 |
| Ram Face | 195x70 | 218x76 | 228x101 | 298x140 | 324x158 | 368x178 | 406x203 | 425x216 | 445x228 | 495x254 | 560x280 |
| Hole In Ram | 19 | 25 | 32 | 32 | 38 | 38 | 51 | 51 | 51 | 55 | 63 |
| Bed Size (AxBxC) | 304x153x42 | 330x178x50 | 381x228x50 | 483x330x64 | 533x381x70 | 585x381x76 | 660x406x83 | 711x508x90 | 762x559x102 | 864x635x102 | 1000x762x108 |
| Hole In Bed | 64 | 76 | 82 | 95 | 95 | 127 | 152 | 165 | 178 | 203 | 228 |
| Distance (E) | 75 | 89 | 114 | 165 | 190 | 190 | 203 | 254 | 280 | 318 | 381 |
| Ele. Motor 960 RPM (Ungear) | - | 1 H.P. | 1 H.P. | 2 H.P. | 3 H.P. | 5 H.P. | 5 H.P. | 7.5 H.P. | 7.5 H.P. | - | - |
| Ele. Motor 1440 RPM (Gear) | 0.5 H.P. | 1 H.P. | 1 H.P. | 2 H.P. | 3 H.P. | 5 H.P. | 5 HP. | 7.5 H.P. | 7.5 H.P. | 10 H.P. | 15 H.P. |
| **BELT SIZE** | | | | | | | | | | | |
| Single Gear | B-52 | B-61 | B-68 | B-88 | B-96 | C-108 | C-116 | - | C-128 | C-144 | - |
| Double Gear | - | - | - | B-84 | B-88 | C-94 | C-102 | - | - | - | - |
| **PULLY SIZE** | | | | | | | | | | | |
| Ungear | - | 76 | 76 | 76 | 76 | 76 | 76 | 76 | 76 | - | - |
| Single Gear | 89 | 101 | 114 | 140 | 152 | 152 | 178 | 178 | 152 | 152 | 152 |
| Double Gear | - | - | - | 140 | 152 | 152 | 178 | 152 | - | - | - |
| **STROKE PER MINUTE** | | | | | | | | | | | |
| Ungear | - | 160 | 144 | 110 | 99 | 96 | 87 | 82 | 80 | - | - |
| Single Gear | 105 | 90 | 80 | 64 | 55 | 53 | 52 | 48 | 42 | 39 | 38 |
| Double Gear | - | - | - | 58 | 47 | 43 | 39 | 36 | - | - | - |
| **DIMENSION** | | | | | | | | | | | |
| Floor To Top of Bed (D-2) | 571 | 675 | 710 | 805 | 813 | 813 | 813 | 813 | 910 | 910 | 910 |
| Total H x L x W | 1445x545x485 | 1700x690x640 | 1830x710x660 | 2080x915x740 | 2190x970x900 | 2340x1170x940 | 2460x1250x1120 | 2692x1320x1257 | 3000x1524x1270 | 3300x1650x1400 | 3500x1850x1500 |
| Approx Weight In Kg | 198 | 310 | 540 | 1040 | 1450 | 1750 | 2300 | 3150 | 4000 | 5200 | 6500 |

* All dimensions are in mm and weight in kg. **Approximate only.**
* As continous improvements are contemplated for the product, the design and specifications are not binding.

Note : In ungeared machine 960 rpm and in geared / double geared 1440 rpm motor to be used.

## STEEL BODY "C" TYPE POWER PRESS & INCLINABLE

| | |
|---|---|
| FRAME | The frame is of all steel construction, fabricated from steel plates with suitable cross ribbings. Presses upto 30 ton will be supplied with C.I. legs. Above 30 ton presses will be supplied with double C. Above 40 ton presses will come with steel legs. Proper alignment of the frame is ensured by machining of the cut steel plates before welding. |
| CLUTCH | The clutch is of pin/rolling key type. The clutch is rigid and well supported. The clutch gives continuous stroke for mass production. |
| CRANK SHAFT | Crank Shaft is made of special alloy steel **EN 8** machined to close accuracy and fitted in bronze bushes for perfect alignment. |
| FLYWHEEL | Properly sized flywheel is made of **high grade cast iron** & is balanced for storing and releasing adequate energy for the pressing operations. |
| GEARS | Main Gear is made from **(WCB 1030)**. Ideal and Pinion gear are made from **EN8-D.** |
| TABLE & RAM | Table and Ram are made of heavy duty graded cast iron **FG 250** & seasoned. They are perfectly aligned to each other to obtain quality pressings. |
| LUBRICATION | An efficient shot lubrication system has been provided for lubricating the sliding surface and moving parts. The lubrication upto 50 ton is achieved through oil cup. Above 50 ton is achieved through Hand Pump. |
| INCLINING MECHANISM | Inclinable type presses are provided with inclining mechanism which can be easily set and locked in position. The press is so designed that even in maximum inclined position, it is stale under heavy pressing loads. |

## STANDARD ACCESSORIES

1. Clutch Key Springs
2. Motor Pully
3. Slide Adjusting Spanner
4. Fly Wheel & Gear Guard
5. Oil Cups For Lubrication Point
6. Knock - Out System From (10 Ton to 150 Ton)

## OPTIONAL ACCESSORIES

1. Electrical
2. Lubrication Pump Manual
3. Two Hand Operated Clutch
4. Single / Continuous Stroke
5. Lubrication Pump Hand / Motorized
6. Tie - Rod
7. Tommy Bar
8. Extra Base Plate
9. Inclinable Arrangement From 5 To 30 Ton
10. Stroke Counter
11. Feeder, De - Coiler, Straightner
12. Overload Safety Above 30 Ton
13. Foundation Pad
14. Pneumatic Servo Feeder & Decoiler & Strainghtener

# PARTS

High Speed Coil Feeder

Pneumatic Feeder

Ram

Main Crank Shaft

Clutch

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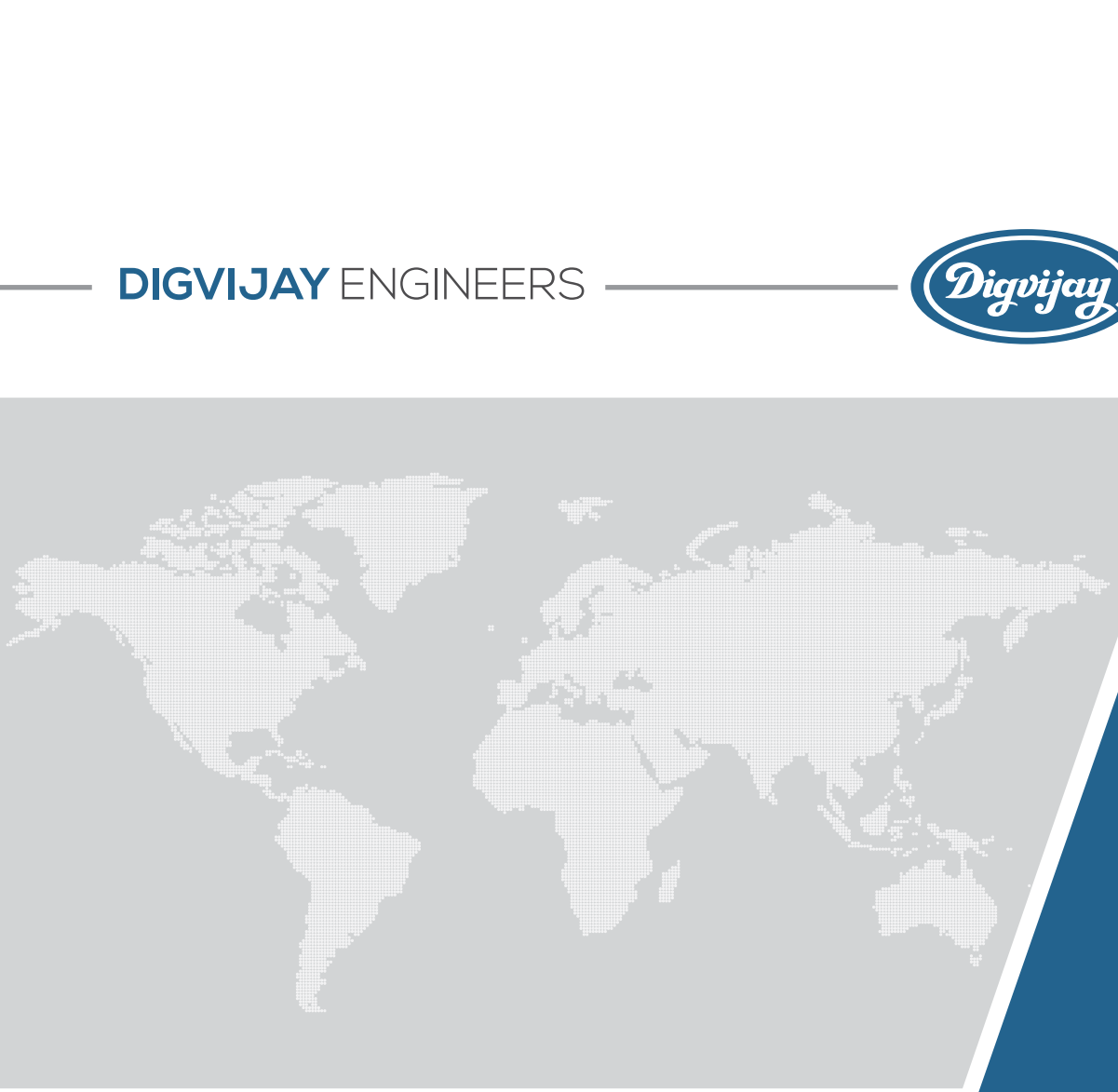

**Manufacturer :-**
Digvijay Engineers
( Gujarat - India )

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