



INDIA INTERNATIONAL MARKETING COMPANY



SHEARING & PRESS BRAKE - KAWA HYDRALIC SHEAR



Main frame :

The frame is of heavy duty design and hot rolled welded steel plate construction. The shearing table is integral with the basic machine frame to ensure maximum rigidity.

Hydraulic Power pack Unit :

The hydraulic Power pack unit is with pump, motor and valve with block assembly is conveniently located in the back upper part of the frame with the oil reservoir all necessary hydraulic valves are mounted on the compact designed manifold block The Large size of oil reservoir is provided for adequate cooling and increases of oil life. All the Components are used of reliable and reputed internationally available brands.

Comprehensive Control Panel :

The control panel is conveniently mounted on the left hand side of the machine to ensure ease to operate

when working from the squaring arm end. The panel house push button controls for motor on/off, rake angle position setting, to select operating mode single or inching / continuous shearing operations. And optionally provided motorized back gauge control with digital readout display unit and push button control for motorized/hydraulic blade gap adjustment when optionally provided is also situated on the control panel.

Single/Continuous shearing :

The shears have 2-oprating mode. Selector switch is provided to select single or inching / continuous shearing operation.

Stroke length control :

The length of cut is infinitely adjustable and it can be selected to provide optimum production output for length of blank to be sheared. And avoid unnecessary blade wear.

Blade Rake Angle Adjustment :

The optimum rake angle is set via a selector switch at control panel and allows for selection of the correct rake angle to suit the material being sheared. By increasing or reducing the angle, a semi blanking action is obtained to give minimum distortion of the sheared blanks.

Blade Clearance setting (Blade Gap Adjustment) :

Manual blade gap adjustment is standard on all models, with lever and calibrated scale for various thickness on both side of the machine to adjust the clearance between top & bottom blade According to the sheet thickness. Motorized/Hydraulic blade gap adjustment is available as an option. Motorized/hydraulic blade gap adjustment is provided as option and is operated by push button control and through plc. Controls.

Back Gauge :

All KAWA Shears are equipped with manual Back Gauge arrangement. As an option motorized Back Gauge, Motorized 2-speed back gauge with D.R.O. The Motorized Back Gauge is operated from the control panel and dimension being read from the Digital Display. LED type and NC Back Gauge can be provided. On heavy model the retraction type Back Gauge arrangement to allow the plate lo fall away freely after shearing. And any other automation also available through plc. Controls.

Shadow Line Lighting :

Shears are equipped with shadow line lighting to facilitate shearing to a scribed line.

Hold-down Jacks :

Kawa-Shears are fitted with a set of hydraulic hold-down jacks, clamping force of hold-down jacks is automatically adjusted according to the cutting force required, allowing for higher pressure Clamping for thick material while at the same time clamping thinner materials without marking.

Table :

Kawa Shear are built with a solid table and T-slot front adjustment for positioning of the squaring and support arms.

Squaring Arm and Sheet support :

All shears are equipped with a 900mm length squaring arm with flip-over stop and 500 mm. support arms with disappearing stops arrangement. Longer squaring and support arms are also available as an option.

Shearing Blade :

The Kawa Shears are equipped with HCHCr up to 10mm thick to cut and above 10 mm HCSr resistant Tool Steel AISI D2. AISI 51 and AISI 52 material for Blades in full length with Four Cutting Edges. They are suitable for Cutting Mild Steel and Stainless Steel Sheets.

CNC Control-Shear :

Kawa Shears can be supplied with CNC control for automatic operation of the motorized Back gauge, Automatic blade rake angle setting, blade clearance setting, fault indications and cutting length control. The CNC control has Imperial/metric read-outs, and can be accommodate up to 100 programs with memory backup and diagnostics.

Sr. No.	KAWA Model Number	Shear Length In mm	Shearing Capacity Thickness In mm		Back Gauge Stroke	Working Cycle Minute	Adjustment Rake Angle	Motor HP/KW	Lenght In mm A	Width In mm B	Height In mm C	Grounded PIT D
			M.S. UTS 45kgs/mm2	M.S. UTS 65kgs/mm2								
1	20/6	2050	4/6	3/4	750	30-15	1°-2.30°	7.5/5.5	2650	1500	1800	N/A
2	20/8	2050	6/8	4/6	750	30-15	1°-2.30°	10/7.5	2650	1600	1900	N/A
3	20/10	2050	8/10	6/8	750	25-10	1°-3°	15/11	2700	1700	2150	N/A
4	20/13	2050	10/13	8/10	750	25-10	1°-3°	20/15	2800	2050	2150	N/A
5	20/16	2050	13/16	10/13	900	16-10	1°-3.30°	25/18.75	2850	2050	2200	N/A
6	20/18	2050	16/18	13/16	900	16-10	1°-3.30°	30/22.5	2900	2050	2300	N/A
7	20/22	2050	18/22	16/18	900	12-8	1°-3.30°	35/26	2950	2100	2410	N/A
8	20/25	2050	22/25	18/20	900	12-8	1°-4°	40/30	3000	2150	2550	300
9	25/6	2550	4/6	3/4	750	25-10	1°-2.30°	7.5/5.5	3000	1500	1800	N/A
10	25/8	2550	6/8	4/6	750	24-10	1°-2.30°	10/7.5	3000	1600	1900	N/A
11	25/10	2550	8/10	6/8	750	20-9	1°-3°	15/11	3000	1700	2150	N/A
12	25/13	2550	10/13	8/10	750	14-8	1°-3°	20/15	3200	2050	2150	N/A
13	25/16	2550	13/16	10/13	900	14-6	1°-3.30°	25/18.75	3250	2050	2200	N/A
14	25/18	2550	16/18	13/16	900	14-6	1°-3.30°	30/22.5	3250	2100	2300	N/A
15	25/22	2550	18/22	16/18	900	14-5	1°-3.30°	35/26	3300	2150	2410	300
16	25/25	2550	22/25	18/20	900	13-4	1°-4°	40/30	3350	1500	2550	400
17	30/6	3050	4/6	3/4	750	24-10	1°-2.30°	7.5/5.5	3600	2150	1800	N/A
18	30/8	3050	6/8	4/6	750	24-10	1°-2.30°	10/7.5	3710	1500	1900	N/A
19	30/10	3050	8/10	6/8	750	18-8	1°-3°	15/11	3700	1600	2150	N/A
20	30/13	3050	10/13	8/10	750	12-6	1°-3°	20/15	3750	1700	2150	N/A
21	30/16	3050	13/16	10/13	900	12-5	1°-3.30°	25/18.75	3800	2050	2200	N/A
22	30/18	3050	16/18	13/16	900	12-5	1°-3.30°	30/22.5	3850	2050	2300	N/A
23	30/22	3050	18/22	16/18	900	12-5	1°-3.30°	35/26	3900	2100	2410	250

24	30/25	3050	22/25	18/20	900	10-4	1°-4°	40/30	4600	2150	2550	500
25	40/6	4050	4/6	3/4	750	24-10	1°-2.30°	7.5/5.5	4650	2150	1800	660
26	40/8	4050	6/8	4/6	750	20-10	1°-2.30°	10/7.5	4700	1500	1900	N/A
27	40/10	4050	8/10	6/8	750	18-8	1°-3°	15/11	4700	1600	2150	200
28	40/13	4050	10/13	8/10	750	12-6	1°-3°	20/15	4700	1700	2150	300
29	40/16	4050	13/16	10/13	900	10-4	1°-3.30°	25/18.75	4700	2050	2200	400
30	40/18	4050	16/18	13/16	900	10-4	1°-3.30°	30/22.5	4700	2050	2300	600
31	40/22	4050	18/22	16/18	900	10-4	1°-3.30°	35/26	4800	2100	2410	650
32	40/25	4050	22/25	18/20	900	8-3	1°-4°	40/30	4850	2150	2550	730

STANDARD ACCESSORIES

Electrical:

- Main Motor
- Control Panel Mounted On L H. Side of the Machine.
- Control Panel With 13 Inching / Single & Continues Mode Of Operation.
- Stroke Length Control
- Hold down Cylinder
- Manual Back gauge.
- Squaring Arm 900mm.
- Manual Blade Gap Adjustment
- Centralized Lubrication. Systems with Hand Pump.
- Four Edges HCHCr Blades Suitable to Shear MS. & S.S. Materials.

OPTIONAL EQUIPMENTS

- Motorized Back Gauge with LED display
- Sheet Stacker
- Sheet Conveyor
- Hydraulic Oil
- Motorized /Hydraulic Blade Gap Adjustment
- Ball Transfer on Table
- Extra Long Squaring Arm
- Motorized AutoThatic Lubrication systems
- CNC control for Automatic operation of motorized back gauge, Angle setting, blade gap setting and cutting length controls.



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