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## **POWER PRESS MACHINE AZA1186**

The AZA LAB Power Press Machine – Model AZA1186 is a high-performance mechanical press engineered for precision metal forming, punching, and mass production operations. Designed for industrial reliability, this machine delivers consistent accuracy, high productivity, and long service life across a capacity range of 5 to 50 tons.

Manufactured with a robust all-steel frame, precision-machined components, and high-grade alloy materials, the AZA1186 ensures smooth, vibration-free operation and dependable performance even under continuous production cycles.

### **Key Advantages**

- High precision with excellent repeatability
- Heavy-duty all-steel construction for stability
- Adjustable stroke for multi-application flexibility
- Long operational life with minimal maintenance
- Suitable for high-speed and mass production environments

### **Applications**

- Sheet metal blanking and punching
- Metal forming and press work
- Automotive and engineering component production
- Small to large-scale manufacturing units
- Continuous mass production environments





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**TECHNICAL SPECIFICATIONS**

<b>Specification</b>	<b>AZA1186</b>	<b>AZA1186A</b>	<b>AZA1186B</b>	<b>AZA1186C</b>	<b>AZA1186D</b>	<b>AZA1186E</b>
Capacity (Tons)	5	10	20	30	40	50
Crankshaft Dia (mm)	70	88	115	130	135	140
Stroke Adjustment (mm)	38	50	63	76	76	89
Ram Adjustment (mm)	25	25	25	25	25	25
Punch Hole in Ram (mm)	25	25	32	38	38	45
Hole in Bed (mm)	63	76	82	89	95	101
Bed Size (L×W mm)	355×178	432×228	534×305	585×355	635×355	685×406
Bed Thickness (mm)	50	58	63	70	76	83
Bed to Ram Distance (mm)	177	204	250	292	320	350



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### TECHNICAL SPECIFICATIONS

Specification	AZA1186	AZA1186A	AZA1186 B	AZA1186 C	AZA1186 D	AZA1186 E
Flywheel Dia (mm)	406	458	482	533	584	660
Strokes per Minute	80	70	45	40	35	35
Power (Geared – 1440 RPM)	1 HP	1.5 HP	2 HP	3 HP	4 HP	5 HP
Power (Ungeared – 960 RPM)	1 HP	2 HP	3 HP	5 HP	–	–
Floor to Bed Height (mm)	700	830	830	880	1000	1000

### Build Quality & Performance

The AZA1186 is engineered for continuous-duty industrial environments, offering smooth mechanical motion, high load-bearing capability, and consistent accuracy. Precision manufacturing minimizes wear, reduces downtime, and significantly extends both machine and tooling life.