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RADIAL DRILL MACHINE AZA1178

The AZA-LAB Radial Drill Machine (Model AZA1178) is a heavy-duty, industrial-grade drilling solution designed for precision drilling, tapping, and boring operations on large and heavy workpieces.

Engineered with closed-grain cast construction, precision-ground components, and a high-strength spindle assembly, the AZA1178 delivers excellent rigidity, vibration-free operation, and long-term reliability. Its extended radial arm reach and adjustable head positioning make it ideal for machining large components without repositioning the workpiece.

This machine is widely used in fabrication shops, heavy engineering industries, maintenance workshops, and technical training institutes where accuracy, durability, and operational efficiency are critical.

Construction & Design

- Closed-Grain Cast Components (column, arm, head, gears) for maximum strength
- Precision-Ground Slideways ensure smooth and accurate movement
- Alloy Steel Spindle & EN Forged Steel Gears for high load capacity
- Balanced Rotating Parts reduce vibration and improve performance
- Heavy Base Plate Structure provides stability during large operations

Compliance & Standards

- Designed as per industrial drilling and machining standards
- Suitable for heavy engineering and fabrication applications





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TECHNICAL SPECIFICATIONS

Parameter	Specification
Model No.	AZA1178
Machine Type	Radial Drill Machine
Drilling Capacity	65 mm
Drilling Capacity (Cast Iron)	70 mm
Tapping Capacity (Steel)	50 mm
Spindle Travel	300 mm
Spindle Taper	MT-5
Spindle Speed Range	50 – 805 RPM (9 speeds)
Power Feed Range	0 – 115
Optional Feed Range	0.13 – 1.10
Column Diameter	330 mm
Spindle to Column Distance (Max/Min)	1700 / 700 mm



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TECHNICAL SPECIFICATIONS

Parameter	Specification
Horizontal Movement (Drilling Head)	1000 mm
Spindle Nose to Base (Max/Min)	1120 / 460 mm
Radial Arm Movement	660 mm
Table Size	560 × 460 mm
Base Plate Working Surface	1400 × 850 mm
Base Plate Height	210 mm
Base Plate Dimensions	2050 × 990 mm
Machine Height	Approx. 2440 mm
Drilling Head Motor	5 HP / 1440 RPM
Elevator Motor	3 HP / 1440 RPM

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