



INDIA INTERNATIONAL MARKETING COMPANY



RADIAL DRILLING MACHINES - AMT MODEL DCR42



42 mm cap. Double Column All Geared Auto Feed Radial Drill Machine

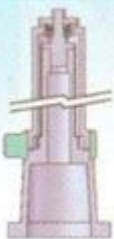
Special Features

SPECIFICATIONS

DESCRIPTION	DC-410
Drilling in M.S.	42(1 5/8")

Drilling in C.I.	50
Rough Boring in M.S.	60
Tapping in M.S.	25
Spindle Taper	MT-4
Spindle Travel	225
Spindle Speeds (RPM x steps)	12 Steps 60, 90, 115, 165, 200, 290, 340, 480, 575, 625, 1005, 1510
Diameter of RAM (quill)	78
Spindle Autofeed Ranges	6 Steps 0.1, 0.15, 0.20, 0.27, 0.33, 0.52
Max/Min Dist. Spindle nose to base	1225/450
Vertical Travel of Arm	775
Max/Min Dist. Spindle center to column	1025/275
Horizontal Travel of Arm	750
Max. Drilling Radius	1137
Machine Measurement (L X B X H)	1600 X 850 X 2270
Diameter of Column	225
Work Table	550 X 450 X 400
Coolant Tank	770X430X 145 50 liters
Drill-head Motor	2 HP (1.5 KW) 960/1440 RPM
Elevating Motor (L X B X H)	0.75 HP (0.56 KW) 960 RPM

A



Column Assembly

- Double column type structure with Dia 225 MM and INSIDE RIBS for more rigidity and smooth movement

B



Lifting Nut

- 4" long Lifting screw nut made up of bronze metal

C



Arm Assembly

- Arm and Column rigidly built with reinforcement ribs to reduce distortion, to give high capacity and long lasting accuracy.

D



BASE

- More wider base for better working area
- In-built Coolant tank of 50 liters
- Rigid Box type construction

E



Gears

- All gears in gearbox are made up of NiCr Steel with hardness of 50-55 HRC with thickness of 15 mm

Shafts of Gears

- All shafts made of NiCr alloy steel with hardness 55 HRC.
- All Four splines and six splines of shafts are GROUND on Spindle Grinding Machine.

F



Autofeed System

- 6 autofeed having near geometric progression for all processes to be done like drilling, reaming, boring. etc.
- Overload Safety clutch system for tool protection and machine protection.
- Spindle auto-stop with travel adjustment.
- Spindle Look System for Milling Operation.

G



Spring

- Heavy duty Compression spring has replaced old conventional type coil spring. This ensures far more life than conventional springs

Standard Accessories

- 2 HP & 0.75 HP Electric Motors

- Electrical Panel Board
- Coolant Pump & Spout Assembly
- Box Table

Optional Accessories



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