

## Radial Drilling Machine AR50

'ARSUN' AR50 Series of Radial Drills are designed to offer rigidity, precision and easiness in operation

### Features

- Heavy Duty - 50-mm drilling in steel.
- Wide range of 8 spindle speeds for drilling, tapping, reaming and boring operations.
- Six auto power feeds: 0.05 to 0.3-mm per revolution.
- Auto feed disengages at preset depth as well as too high or abnormal drilling pressure.
- Hardened and lapped alloy steel gears fitted on splined shafts in main drive gearbox runs in an oil bath.
- Hardened and precision ground spindle sleeve.
- Double column construction for rigidity and effortless centering.
- Arm and drill-head guide ways are precisely ground for minimum play and rigid clamping of drill-head with the arm.
- Well adequately ribbed base-plate, inner column & arm for maximum rigidity and minimum deflection.
- Machines are inspected as per IS:2199 standard.

### Specifications

#### CAPACITY

|                   |    |     |
|-------------------|----|-----|
| Drilling in Steel | mm | 50  |
| Drilling in C.I.  | mm | 60  |
| Tapping in Steel  | mm | 42  |
| Tapping in C.I.   | mm | 52  |
| Boring in Steel   | mm | 100 |

#### DRILLING HEAD

|                         |        |            |
|-------------------------|--------|------------|
| Spindle nose taper      | mm     | MT4        |
| Spindle stroke          |        | 300        |
| Nos. of spindle speeds  |        | 8          |
| Range of spindle speeds | rpm    | 45 ~ 1125  |
| Nos. of power feeds     |        | 6          |
| Range of power feeds    | mm/rev | 0.05 ~ 0.3 |

#### WORKING RANGE

|                                      |    |          |
|--------------------------------------|----|----------|
| Column sleeve diameter               | mm | 300      |
| Column to spindle center (min/max)   | mm | 400/1250 |
| Base plate to spindle nose (min/max) | mm | 385/1285 |
| Drilling head traverse               | mm | 850      |
| Arm traverse                         | mm | 900      |

#### BASE PLATE

|                               |    |              |
|-------------------------------|----|--------------|
| Working surface               | mm | 1200 x 800   |
| Cast T-Slots: nos/width/pitch | mm | 3 / 23 / 200 |

#### POWER

|                   |        |                   |
|-------------------|--------|-------------------|
| Main motor        | kw/rpm | 2.2 (3 hp) / 1440 |
| Arm lifting motor | kw/rpm | 1.5 (2 hp) / 1440 |

#### WEIGHT

|  |    |      |
|--|----|------|
|  | Kg | 2200 |
|--|----|------|



- ⊗ PRECISE
- ⊗ HEAVY DUTY
- ⊗ HIGHLY PRODUCTIVE



### Standard

- Spindle Motor & Arm Lifting Motor
- Electrical suitable for 415V/50Hz/3Phase AC supply
- Box Table size – 600X450X450-mm size
- 0.15HP Coolant Pump with fittings
- Built-in Coolant Tank
- Operation & Maintenance Manual

Illustration & specifications are subject to modification and improvement without notice.

### ARSUN ENGINEERS

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