



Technology • Creativity • Reliability
An Unswerving Commitment to Excellence

ACER Conversational Teach-In CNC Lathe



ATL 1440E



ATL 1740

SPECIFICATIONS

| Model | | ATL 1440E | ATL 1740 |
|------------------------------|---|--|---|
| Nominal Size | Swing Over Bed | 14" (360mm) | 17.32" (440mm) |
| | Center Height | 7" (180mm) | 8.66" (220mm) |
| | Swing Over Cross-slide | 8.75" (225mm) | 9.45" (240mm) |
| | Distance Between Centers | 39.37" (1000mm) | |
| | Width of Bed | 9" (230mm) | 11.81" (300mm) |
| | Slideway Surface Hardness | HRC 48° | |
| | Cutting Tool Max. | 3/4"×3/4" (19×19mm) | 1"×1" (25.4×25.4mm) |
| Spindle | Spindle Speed | L: 60~650 RPM H: 300~2700 RPM | L: 93~750 RPM H: 751~2600 RPM |
| | Spindle Range | 2 Ranges (Manual) | 2 Ranges (Automatic) |
| | Spindle Nose | D1-4 | D1-6 |
| | Spindle Nose Taper | MT #5 | MT #6 |
| | Spindle Bore | 1.5625" (40mm) | 2.1654" (55mm) |
| | Spindle Diameter Front Bearing (Taper Roller) | 2.77" (70.25mm) | 4.92" (125mm) |
| | Number of Bearing | 2 | |
| | Bearing Class (Radial Run-out) | P5 | |
| X & Z Axes | Longitudinal Travel (Z axis) | 39.37" (1000mm) | |
| | Z Lead Screw | 32mm X P5.0 C5 | |
| | Z Axis Servo Motor | 1.34HP (1KW) | 1.90HP (1.4KW) |
| | Cross-slide Travel (X axis) | 7.87" (200mm) | 11.02" (280mm) |
| | X Lead Screw | 20mm X P5.0 C5 | |
| | X Axis Servo Motor | 1.34HP (1KW) | 1.90HP (1.4KW) |
| | X/Z Axis Cutting Feed Rate | 393.7" (10M) per min | 196.85" (5M) per min |
| | X/Z Axis Rapid Traverse | 393.7" per min (10M per min) | 196.85"/393.7" per min (5M/10M per min) |
| Tailstock | Tailstock Quill Diameter | 1.5625" (40mm) | 2.05" (52mm) |
| | Tailstock Quill Travel | 4" (100mm) | 5.91" (150mm) |
| | Tailstock Quill Taper | MT #3 | MT #4 |
| Motor | Spindle Servo Motor | 5.0HP/7.5HP 30min (3.7KW/5.5KW 30min) | 7.48HP/10.47HP 30min (5.5KW/7.7KW 30min) |
| | Coolant Pump Motor | 1/8 HP | |
| Lubrication & Coolant System | Coolant Tank | 5.78 gal. (21.9 Liters) | 20.34 gal. (77 Liters) External |
| | Lube Pump | 0.5283 gal. (2 Liters) | |
| | Headstock Oil Capacity | 1.12 gal. (4.25 Liters) | 1.585 gal. (6 Liters) |
| | Headstock Lubrication | Oil Bath | |
| Voltage | Voltage V | 230V | 200 to 240V |
| | Phase, Hz | 3P 60HZ | 3P 60HZ |
| | Amps at Full Load | 19A | 28.6A |
| Floor Space Requirement | Floor Dimension | 77.96"×46.46"×74.84" (1980×1180×1900mm) | 87.01"×55.12"×75.20" (2210×1400×1910mm) |
| Packing Dimension | Shipping Dimension Packed | 82.68"×49.22"×86.62" (2100×1250×2200mm) | 89.76"×62.99"×83.07" (2280×1600×2110mm) |
| | Machine Weight (N.W.) | 2,200 lbs (1000kgs) | 3,850 lbs (1,750kgs) |
| | Machine Weight (G.W.) | 2,420 lbs (1100kgs) | 4,180 lbs (1,900kgs) |

Note: The manufacturer reserves the right to modify the design, specification, mechanisms, etc., to improve the performances of the machine without notice. All the specifications shown here are for reference only.

Standard Accessories:

1. Servo Drive Spindle Motor
2. High-Low Speed Range Selection
3. Canned Cycles
4. Semi-enclosure Splash Guard
5. Coolant System
6. Tailstock
7. Dead Centers
8. Leveling Pads with Screws
9. Tool Box with Tools
10. Operational Manual
11. Dual Manual Pulse Generator
12. LED Work Light

Optional Accessories:

1. 3 Jaw Chuck
2. 4 Jaw Chuck
3. Roller Follow Rest
4. Roller Steady Rest
5. Face Plate
6. 5C Collet Closer
7. Quick Change Tool Post
8. Remote Stop/Go Switch
(Must be installed at factory!)
9. Electric 4 Way Tool Post
(Must be installed at factory!)
10. Full Enclosure Splash Guard
(Must be installed at factory!)

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