

# UNIVERSAL MILLING MACHINE

# LAGUN



**MODEL FU 152**

## TECHNICAL DESCRIPTION

### Table

Table surface	mm	1.525 x 325
Number and width of T slots	mm	3 x 16 x 80
Max. Weight on the table	kg	400
Table turns in both directions		± 45°

### Traverse

Longitudinal traverse automatic	mm	1.050
Cross traverse	mm	330
Vertical traverse	mm	475
Distance from spindle to ram	mm	147

### Spindle

Spindle taper		ISO 40 DIN 2080
Diameter of the main shaft	mm	Ø 88,88
Diameter milling arbour	mm	Ø 27
Speed range	rpm	35 ÷ 1.800
Number of speeds		continuous variation

### Feedrates

Number of feedrates		continuous variation
Longitudinal and cross	mm/min	0 ÷ 1.300
Vertical	mm/min	0 ÷ 390

### Rapid feedrates

Longitudinal and cross	mm/min	2.050
Vertical	mm/min	615

## Motors

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Main spindle	kW	5,5
Working-rapid feedrates	kW	3
Gear pump lubrication	kW	0,2
Coolant pump	kW	0,1

## General information

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Floor space required (width x depth)	mm	3.459 x 2.603
Machine height	mm	2.080
Net weight	kg	2.600
Total installed power	kW	9,3

## STANDARD EQUIPMENT

- ISO 40 DIN 2080 Universal Milling Head.
- The casting is quality DIN GG 25, with a hardness of 205 ±15 Brinell.
- The Main spindle is made of Chrome-Nickel steel, hardened and ground interior and exterior.
- Hardened and Ground guideways on the 3 axes.
- Continuous variation spindle speeds:
  - Number of spindle speeds 35 ÷ 1.800 rpm
- Automatic feeds in the 3 axes.
- Continuous Variation power feed for the 3 axes.
  - The movements can be performed individually or simultaneously.
- Rapid feeds in the 3 axes.
- Oil pump for gearbox lubrication of the main spindle.
- Safety folded handwheels.
- Backlash eliminator for the longitudinal milling.
- Main motor with security brake in the main spindle.
- Display for the view of the rpm in the main spindle.
- 1 Milling Arbor Ø 27 mm complete with its drawbar.
- 2 Arbor supports for milling arbor.
- Manual block of the advance of the ram.
- Protection of cross front guide by means of telescopic plates.
- Protection of cross rear and vertical by means of rubber skirt.
- Automatic centralized lubrication system.
- Low voltage machine lamp .
- Coolant tank.
- Complete coolant equipment.
- Coolant splash tray.
- Complete electrics with its motors, push-buttons and pendant control panel.
- Overload electrical protection.
- Electronic security device for the movement of the axes.
- Set of spanners and wrenches.
- Security Norm (applicable only to EU).
- Testing report.
- Operator's manual and parts list.

## **OPTIONAL EQUIPMENT**

- ISO 40 Universal Milling Head with quill feed (100 mm manual)
- Digital Readout system.
- Semi-universal Dividing Head.
- Rotary table.
- Slotting attachment (travel 125 mm).
- Mechanical or hydraulic machine vice.
- ISO 50 universal milling head.
- ISO 40 milling arbors.
- ISO 40 collet holder with set of collets.
- ISO 50 collet holder with set of collets.

## LAY-OUT OF THE MACHINE

