

Product Brochure For K013A

Mill Drill Machine & Imperial Tooling Package Deal - HM-36

Table Travel: (X) - 475mm (Y) v195mm (Z) - 450mm



ORDER CODE:	K013A
MODEL:	HM-36 Package Deal
Digital Readout:	Optional
Type:	Vertical
Table Size (mm):	730 x 210
Column Type:	Ø115mm
Spindle Taper - Vertical:	3MT
Spindle Taper - Horizontal:	~
Longitudinal Travel (X-Axis) (mm):	475
Cross Travel (Y-Axis) (mm):	195
Vertical Travel (Z-Axis) (mm):	450
Type of Slides:	Dovetail
Ram Travel (mm):	~
Spindle to Table (mm):	510
Spindle to Base:	~
Spindle Travel / Diameter (mm):	120 / ~
Throat Depth (max.) (mm):	272
Tilting Head (Left ~ Right):	±90°
Tilting Head (Forward ~ Back):	Fixed
Drilling Capacity (mm):	31.5
End Milling Capacity (mm):	28
Face Milling Capacity (mm):	80
Power Feed - Quill (mm/rev):	~
Power Feed - Longitudinal (X-Axis) (mm/min):	~
Power Feed - Cross (Y-Axis) (mm/min):	~
Power Feed - Vertical (Z-Axis) (mm/min):	~
Table T-Slot Size (inch / mm):	14
Work Table Load Capacity (kg):	55
Spindle Speeds Vertical (No. / rpm):	6 (95 - 1600)
Spindle Speeds Horizontal (No. / rpm):	~
Spindle Speeds - Universal Head:	~
Motor Power - Vertical Spindle (kW / hp):	1.1 / 1.5
Motor Power - Horizontal Spindle (kW / hp):	~
Motor Power - Universal Head:	~
Voltage / Amperage (V / amp):	240 / 10
Nett Weight (kg):	293

Description

The HM-36 milling machines is similar in overall size to the popular RF31 but with the additional benefit of a 6-speed 95-1600rpm, gear driven head which can be tilted up to 90° either side of the vertical. This feature allows the head to be positioned in a variety of positions, allowing a whole range of milling, slotting, grooving, drilling and boring operations to be carried out.

The usual handle-driven down feed is available for precision drilling and there is a fine manual down-feed control for precise vertical milling.

The motor is controlled by a standard forward and reverse on/off switch.

There is a heavy duty steel stand available as an extra, strongly recommended bearing in mind the weight of the machine.

Also available is a optional power feed attachment which fits to the left hand end of the table and provides a smooth, variable speed longitudinal drive.

Features

- Gear driven head 6 speeds
- Mill head tilts to ±90° from vertical
- Milling head rotates 360° on column
- Extra large 730 x 210mm ground work table with T-slots

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- Adjustable leadscrew nuts eliminating backlash on both axis
- Fine feed hand wheel operating quill feed
- Forward and reverse on/off switch
- 3MT spindle with 75mm diameter quill
- Adjustable table and drill length stops
- Rack and pinion wind-up head
- Rear slide-way cover and slide clamps on all axis
- Spindle lock for quill
- Table lock on both axis
- Metric dial graduations @ 0.05mm for X & Y axis

Includes

- Machine stand (M135)
- 14mm clamp kit set (C0965)
- Collet chuck set (C922B)
- 10 piece metric slot & end mill set (M3321)
- Drill chuck
- 3MT arbor
- 3MT-2MT drill sleeve
- Face cutter & arbor
- Safety cutter guard

Specific Features



Forward-Reverse & On Off Switch



Fine feed handwheel operating quill feed



Quill Depth Scale



Spindle Speed Selectors

SPINDLE SPEEDS (r/min)			
	I-L	I-M	I-H
50Hz	95	170	280
60Hz	120	210	340
	II-L	II-M	II-H
50Hz	540	960	1600
60Hz	670	1180	1970

Speed Chart



Spindle lock for quill



Face Mill Cutter



Rack and pinion wind up head

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Extra large 730mm x 210mm ground work table with T slots



Head Controls



Geared Head



Tilting head to 90 Degrees from vertical



Tilting Head



Right View



Table Cross Feed Handle



Table Longitudinal Handle



Drawbar



Includes These Accessories

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Recommended Accessories

M230

Power Feed Unit



M240

Transformer



L300

Magnetic Swarf Remover



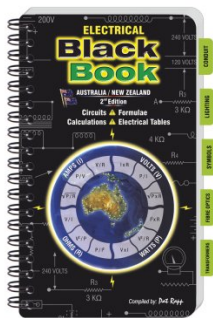
M9991

Magnetic Floor Sweeper



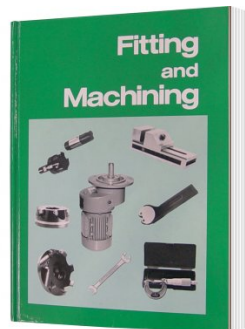
L342

Electrical Black Book



L341

Fitting and Machining Technical Book



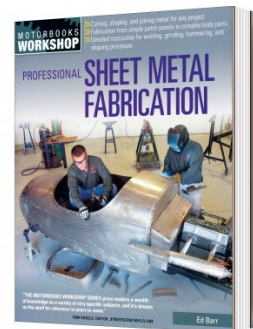
L345

Handy Workshop Tips & Techniques - 1st Edition



L3455

Professional Sheet Metal Fabrication Book



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C926

Collet & Chuck Set - 20 Piece



C0965

Clamp Kit 58 piece - Workshop Series



C922B

Collet & Chuck Set - 8 Piece



M3301

Metric HSS Slot Drill & End Mill Set - 10 Piece



M3321

Imperial HSS Slot Drill & End Mill Set - 10 Piece



M3280

13mm HSS End Mill Long Series



M182

Precision Boring Head Kit



M192

Boring Head Shank



M180

Boring Bar Set - 9 piece



M250

Parallel Set - 8 Piece



M530

Universal Milling Kit - 4 Piece



M562

Face Mill Arbor



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M515

Face Mill 45° - Super High-Rake



L065

KYOCERA Carbide Inserts - Milling



M528

Face Mill 90° - Positive Rake



M529

Face Mill 90° - Positive Rake



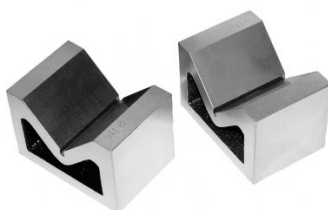
L066

KYOCERA Carbide Inserts - Milling



V004

Cast Iron Vee Block



V105

Vertex K-Type Milling Vice



R006

Vertex Rotary Table



P235

Coolant Pump & Tank



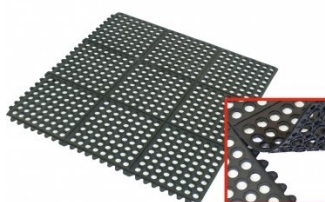
M800

Rubber Mat - Anti-Fatigue



M805

Rubber Mat - Anti-Fatigue



S090A

Soluble Metal Cutting Fluid - 1 Litre



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S090

Soluble Metal Cutting Fluid - 5 Litre



S076

Cutting Tool Lubricant Fluid - 500ml



S077

Drilling, Tapping & Cutting Tool Lubricant Spray - 400g



S074

Cutting Tool Lubricant Paste - 500g



O043

Rust & Corrosion Preventive



O042

General Purpose Lubricant & Corrosion Inhibitor



O044

Rust & Corrosion Preventive

