

Product Brochure For K8249

Mill Drill Machine with Digital Readout - Includes Tooling Package - HM-46B DRO, 415V

Built to School Specifications

NSW DOE Item 23B



Please Call

ORDER CODE:	K8249
NSW DOE Item No.:	23B
QLD DOE Item No.:	~
MODEL:	Schools / TAFE HM-46B
Digital Readout:	3-Axis Counter, X, Y Scales
Drilling Capacity (mm):	31.5
End Milling Capacity (mm):	28
Face Milling Capacity (mm):	80
Spindle Taper:	3MT
Quill Travel / Diameter (mm):	120 / 75
Spindle to Table (mm):	485
Type of Slides:	Dovetail
Spindle to Column (mm):	265
Table Size (mm):	730 x 210
T-Slot (mm):	14
Longitudinal Travel (X-Axis) (mm):	485*
Cross Travel (Y-Axis) (mm):	175*
Vertical Travel (Z-Axis) (mm):	430
Work Table Load Capacity (kg):	55
Swivel Head (Left - Right):	±90°
Quill Feed Rate/Rev (mm/rev):	Manual
Spindle Speeds (Vertical) (No. / rpm):	6 (95-1650rpm)
Spindle Speeds (Horizontal) (No. / rpm):	~
Motor Power (Vertical) (kW / hp):	1.5 / 2
Motor Power (Horizontal) (kW / hp):	~
Motor Voltage (V / amp):	415
Nett Weight (kg):	380

Features

- 3-Axis digital readout counter fitted with 2-Axis X & Y scales only
- Gear driven head 6 speeds
- Dovetail vertical Z-axis
- Mill head tilts to ±90° from vertical with digital display
- Large 730 x 210mm ground work table with T-slots
- Adjustable leadscrew nuts eliminating backlash on both axis
- Fine feed hand wheel operating quill feed
- Forward and reverse on/off button switches
- Digital tilting head gauge
- 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
- Machine stand with swarf tray and side access door for storing parts
- * Note: X & Y travels maybe reduced due to digital readout scales and safety stops
- * Note: Digital readout requires 10amp 240V power

Safety Features

- Interlocked spindle safety guard
- Emergency stop switch
- Magnetic NVR on/off switch
- Keyed isolation switch - PWD approved

Includes

— 3-Axis digital readout counter fitted with 2-Axis X & Y scales only

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- Machine stand with swarf tray
- 3MT x ER32 collet chuck set (C922B)
- 100mm tilting drill press vice (V114)
- 13mm keyless drill chuck (C292)
- 3MT x JT6 drill chuck arbor (D443)
- Ø50mm x 90° face mill (M510)
- MT3 - FMB22-20 face mill arbor (M562)
- Milling inserts (10 Inserts Per Pack) (L066)
- 10pc Metric HSS milling cutter set 4-10mm (M350)
- Digital tilting head gauge
- M12 x 1.75mm drawbar
- 1/2" x 12TPI drawbar

Specific Features



Right View



Front View



Tilt Head Left



Tilt Head Right



3 Axis Digital Readout



Quill Feed Lever



Fine Quill Feed Handwheel



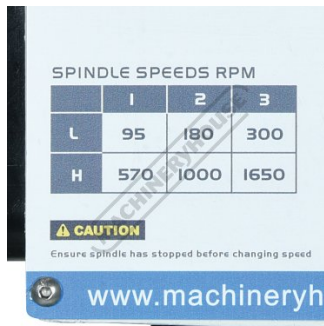
Head Controls



Forward Reverse ON OFF and Emergency Switches



Spindle Speed Selectors



Spindle Speed Chart



Rack And Pinion Wind Up Head

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Large Ground Work Table With T Slots



Tilting Head



Digital Tilting Head Gauged



Swivel Safety Guard



Included Accessories



3MT x ER32 Collet Chuck Set C922B



100mm Tilting Drill Press Vice V114



13mm Keyless Drill Chuck C292



3MT x JT6 Drill Chuck Arbor D443



50mm x 90 Face Mill M510 Tips not included



MT3 FMB22 20 Face Mill Arbor M562



Milling Inserts 10 Inserts Per Pack L066



10pc Metric HSS Milling Cutter Set 4 10mm M350

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Recommended Accessories

M230

Power Feed Unit



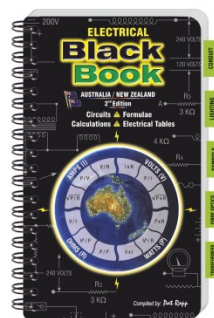
M240

Transformer



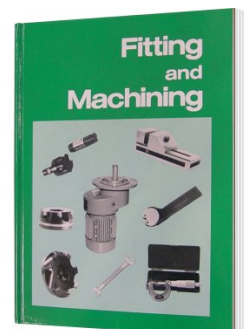
L342

Electrical Black Book



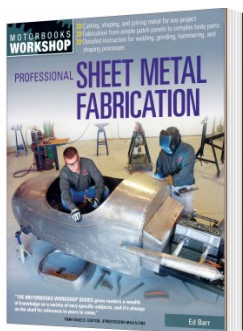
L341

Fitting and Machining Technical Book



L3455

Professional Sheet Metal Fabrication Book



C926

Collet & Chuck Set - 20 Piece



C0965

Clamp Kit 58 piece - Workshop Series



C922B

Collet & Chuck Set - 8 Piece



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M333

Metric HSS Slot Drill & End Mill Set - 12 Piece



M335

Imperial HSS Slot Drill & End Mill Set - 12 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



M515

Face Mill 45° - Super High-Rake



L065

KYOCERA Carbide Inserts - Milling



M528

Face Mill 90° - Positive Rake



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M529

Face Mill 90° - Positive Rake



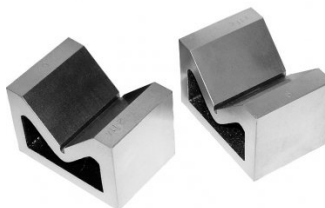
L066

KYOCERA Carbide Inserts - Milling



V004

Cast Iron Vee Block



V105

Vertex K-Type Milling Vice



R006

Vertex Rotary Table



P235

Coolant Pump & Tank



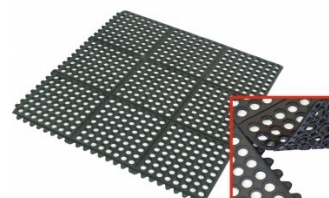
M800

Rubber Mat - Anti-Fatigue



M805

Rubber Mat - Anti-Fatigue



S090A

Soluble Metal Cutting Fluid - 1 Litre



S090

Soluble Metal Cutting Fluid - 5 Litre



S076

Cutting Tool Lubricant Fluid - 500ml



S077

Drilling, Tapping & Cutting Tool Lubricant Spray - 400g



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S075

Cutting Tool Lubricant Paste -
200g



S074

Cutting Tool Lubricant Paste -
500g



O000

SpillFix Universal Organic
Absorbent



O043

Rust & Corrosion Preventive



O042

General Purpose Lubricant &
Corrosion Inhibitor



O040

Rust & Corrosion Preventive



O044

Rust & Corrosion Preventive

