

Product Brochure For K8247

Mill Drill Machine with Digital Readout - Includes Tooling Package - HM-46B DRO, 240V

Built to School Specifications
 NSW DOE Item 23A



Please Call

| | |
|--|-----------------------------|
| ORDER CODE: | K8247 |
| NSW DOE Item No.: | 23A |
| 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): | 240 / 10 |
| 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

Safety Features

- Interlocked spindle safety guard
- Emergency stop switch
- Magnetic NVR on/off switch
- Keyed isolation switch - PWD approved
- Test and tag certificate on 240V lead

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



Tilt Head Left



Tilt Head Right



3 Axis Digital Readout



Quill Feed Lever



Fine Quill Feed Handwheel



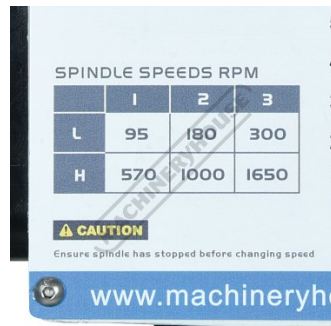
Head Controls



Quill Depth Stop Scale-Spindle Lock



Spindle Speed Selectors



Spindle Speed Chart



Rack And Pinion Wind Up Head



Large Ground Work Table With T Slots

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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

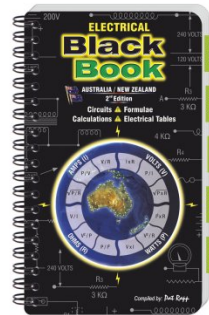
M230
Power Feed Unit



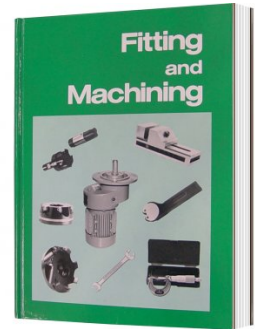
M240
Transformer



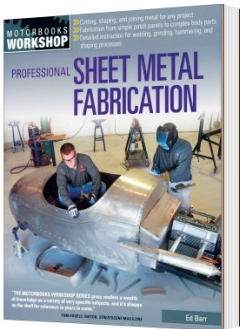
L342
Electrical Black Book



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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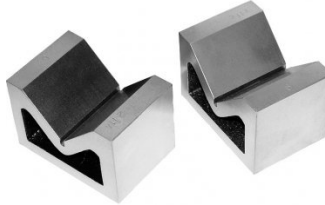
M529
 Face Mill 90° - Positive Rake



L066
 KYOCERA Carbide Inserts - Milling



V004
 Cast Iron Vee Block



V105
 Vertex K-Type Milling Vice



R006
 Vertex Rotary Table



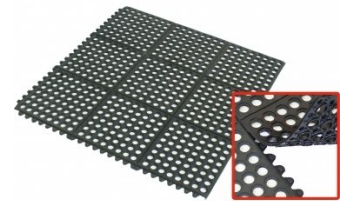
P235
 Coolant Pump & Tank



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

