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Product Brochure For K8246

Mill Drill Machine - HM-46B, 240V

Built to School Specifications
NSW DOE Item 23A



ORDER CODE:	K8246
NSW DOE Item No.:	23A
QLD DOE Item No.:	~
MODEL:	Schools / TAFE HM-46B
Digital Readout:	Optional
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):	±90º
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

- Gear driven head 6 speeds
- Dovetail vertical Z-axis
- Mill head tilts to ±90º 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

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

- 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 90º face mill (M510)
- MT3 - FMB22-20 face mill arbor (M562)

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- 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

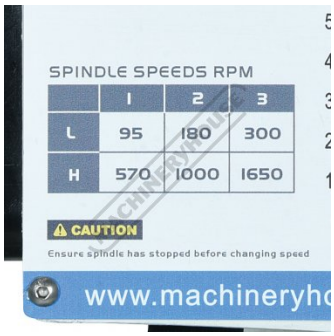

Front View



Head Controls



Forward Reverse ON OFF-Emergency Switches



Spindle Speed Chart



Spindle Speed Selectors


Quill Feed


Fine Quill Feed Handwheel


Swivel Safety Guard


Tilting Head Left


Tilting Head Right


Digital Tilting Head Gauged


Tilting Head

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Ground Work Table with T Slots



Rack And Pinion Wind Up Head



Drawbar



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

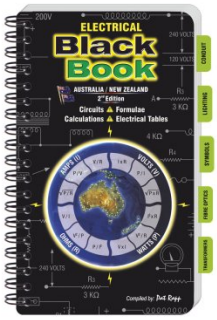
M230
Power Feed Unit



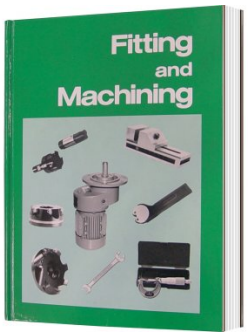
M240
Transformer



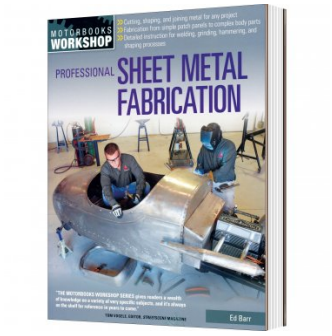
L342
Electrical Black Book



L341
Fitting and Machining Technical Book



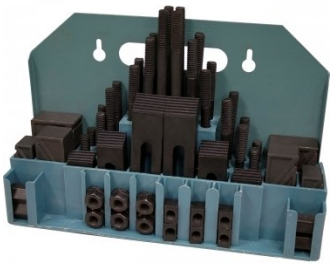
L3455
Professional Sheet Metal Fabrication Book



C926
Collet & Chuck Set - 20 Piece



C0965
Clamp Kit 58 piece - Workshop Series



C922B
Collet & Chuck Set - 8 Piece



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Product Brochure For K8246

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 - 3 Piece with INSERTS



M562
Face Mill Arbor



M515
Face Mill 45º - Super High-Rake



L065
KYOCERA Carbide Inserts - Milling



M528
Face Mill 90º - Positive Rake



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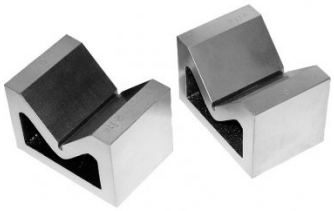
M529
Face Mill 90º - Positive Rake



L066
KYOCERA Carbide Inserts - Milling



V004
Cast Iron Vee Block



V105
Vertex K-Type Milling Vice



R006
Vertex Rotary Table



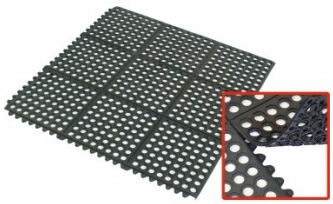
P235
Coolant Pump & Tank



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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Product Brochure For K8246

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

