



Machine Id	:- 858	Serial No	:- 18374-75-8
Category	:- Gear Hobbers	Model	:- PH 3615
Country	:-	Make	:- Churchill
Type of Machine	:- Heavy Duty Gear Hobbing Machine	Year	:- 1975
Weight	:- 0.0	Dimensions	:-
Power	:-	Location	:-

Specification :-

- Max workpiece diameter..... 914 mm
- Max diametral pitch..... 8 Module 3 D.P.
- Horizontal centre distance:- Max..... 559 mm
- Min..... 63.5 mm
- Max horizontal travel..... 469 mm
- Height hob centre to worktable: Max..... 508 mm
- Min..... 127 mm
- Max travel of vertical feed..... 381 mm

Max height worktable to tailstock centre..... 768 mm
 Worktable diameter..... 762 mm
 Worktable hole (diameter x depth)..... 89 x 381 mm
 Max size hob dia x length..... 178 x 203 mm
 Max travel of hob slide..... 127 mm
 Diameter of hob arbor..... 32 mm
 Drive socket for arbor..... No.40 INT
 Hob spindle speeds, infinitely variable..... 50 –200 rpm
FEEDS &RAPIDS:
 Vertical feeds..... 0.38 –5 mm
 Intermittent hob shift, per work rev..... 0.13 –4 mm

in 0.13

increments

Min ratio..... 18:1
MOTORS:
 Main drive..... 10 HP
 Rapid traverse..... 5 HP
 Hydraulic pump..... 1.5 HP
 Coolant pump..... 0.5 HP
 Chip conveyor..... 0.125 HP
FLOOR AREA (length x width x height)..... 3960 x 2130 x 2300 mm
Size for container:
 hydraulic pack & conveyor disconnected..... 3800 x 1750 x 2300 mm
NETT WEIGHT..... 11,500 kgs

Complete with:-

Fully automatic work-cycle.
 Automatic 'Square Cycle' with direct infeed motion
 of worktable and vertical feed of the hob-

slide.

Differential mechanism.
 Tangential feed for worms.
 Infinitely variable hob speeds including tachometer.
 Arranged to hob both SPUR & HELICAL GEARS.
 Hydraulically operated tailstock.
 Manual hob shift.
 Hob arbor 40 mm diameter.
 Change gears.
 Automatic lubrication.
 Guards.
 Coolant.
 Automatic swarf removal system, paddle type.
 Square 'D' electrics.

Electric supply 380, 3, 50

Manual available.

METRIC machine.