

KUNARK HITECH MACHINING & SALES PVT.LTD.



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Machine Id :- 778	Serial No :- 18374-75-8
Category :- GEAR HOBBER	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.