

Size

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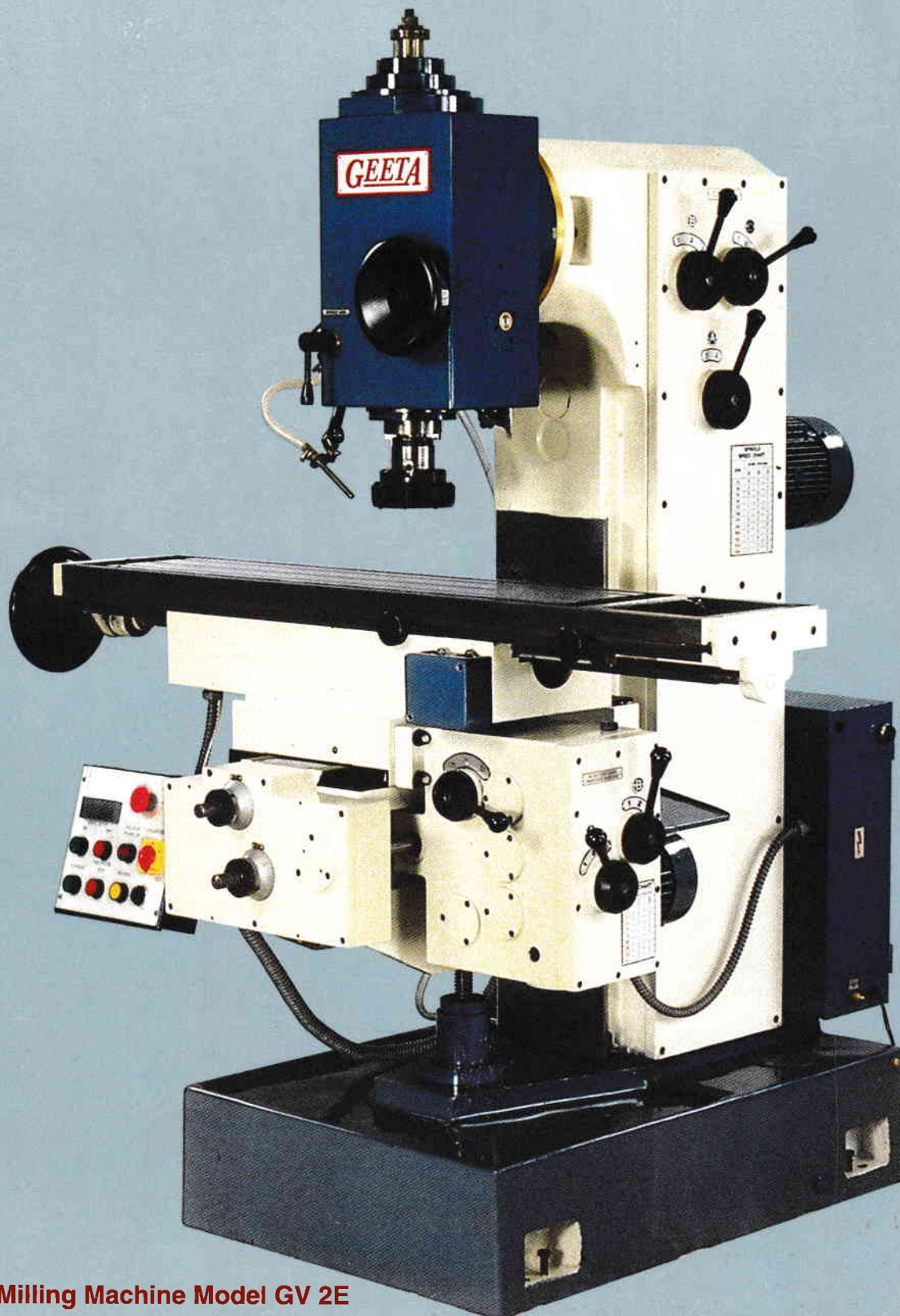
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GH GV GU

GEETA

Knee Type Milling Machines



Vertical Milling Machine Model GV 2E

SALIENT FEATURES

All casting of IS 210 grade & stress relieved for sustained accuracy • Power operated feeds & rapid traverses • Wide range of feed & speeds • Table-slide with dovetail and cross-slide and knee-slide having flat guide-ways with taper wedges provide strength to withstand heavy cutting forces • Main spindle made of alloy steel hardened & ground and mounted on taper roller bearings ensure vibration free cutting • Gears are made of alloy steel & are hardened and ground • Central lubrication for guide ways and lead screws • Splash lubrication for main & feed gearing • Built-in coolant-tank • Coolant supply by separate pump & motor through nozzles & fittings • Built-in chip removal & coolant collecting tray on base plate.

Specifications		GU1/ GH1	GV1	GU2 / 2E GH2 / 2E	GV2 / 2E	GU3E / GH3E	GV3E
TABLE							
Table overall size	mm	1100 x 225	1100 x 225	1340 x 250	1340 x 250	1600 x 300	1600 x 300
Table clamping area	mm	800 x 225	800 x 225	975 x 250	975 x 250	1200 x 300	1200 x 300
No. / Width of 'T' slots	mm	3 / 14	3 / 14	3 / 14	3 / 14	3 / 16	3 / 16
Center distance between 'T' slots	mm	55	55	63	63	63	63
Longitudinal movement-power	mm	490	490	600	600	975	975
Longitudinal movement-manual	mm	500	500	700	700	1000	1000
Cross traverse-power	mm	-	-	230	230	290	290
Cross traverse-manual	mm	200	200	250	250	300	300
Vertical movement-power	mm	-	-	375	375	400	400
Vertical movement-manual	mm	350	350	400	400	420	420
MILLING SPINDLE							
Spindle nose taper		ISO-40	ISO-40	ISO-40	ISO-40	ISO-40	ISO-40
Quill movement	mm	-	50	-	70	-	100
Swivel of milling head	degree	-	45	-	45	-	45
SPEEDS							
Speed	steps	9	9	12	12	18	18
Speed range - standard	r.p.m.	50-1225	50-1225	35 - 1500	35 - 1500	42 - 1500	42 - 1500
Speed range - optional	r.p.m.	-	-	45 - 2000	45 - 2000	-	-
FEEDS							
Feed	steps	6	6	9	9	18	18
Feed range longitudinal & cross	mm / min	22 - 210	22 - 210	20 - 800	20 - 800	16 - 800	16 - 800
Feed range vertical	mm / min	-	-	10 - 400	10 - 400	4 - 200	4 - 200
RAPID TRAVERSE (for 2E & 3E only)							
Longitudinal & cross	mm / min	-	-	1000	1000	3200	3200
Vertical	mm / min	-	-	500	500	800	800
DISTANCES							
Spindle center to table surface (min.)	mm	50	-	75	-	75	-
Spindle center to lower face of over arm	mm	125	-	150	-	160	-
Spindle face to table surface (min.)	mm	-	50	-	75	-	75
POWER							
Spindle motor	kw / h.p.	1.5 / 2	1.5 / 2	2.25 / 3	2.25 / 3	3.75 / 5	3.75 / 5
Feed motor	kw / h.p.	0.75 / 1	0.75 / 1	1.1 / 1.5	1.1 / 1.5	1.5 / 2.0	1.5 / 2.0
OVERALL SIZE							
Maximum height	mm	1440	1680	1875	1900	1800	2195
Maximum length	mm	1795	1930	1850	2360	2800	2535
Maximum width	mm	1255	1200	1450	1520	1820	1975
WEIGHT							
Nett approx.	kg	900	900	1600	1600	3150	3150
Gross approx.	kg	1200	1200	2000	2000	4000	4000

- Swivel of table is 45 degree on either sides is for UNIVERSAL (U) models only.
- '2E & 3E' Stands for built-in electromagnetic clutch for rapid traverses.
- Motorised overarm can be supplied with Universal milling head having quill movt. 70mm (manual) with model GU3E / GH3E as mode GU3EM.
- Dimensions other than the specified for long. traverse, table clamping area, range of speed & feed shall be available for all models on request.

STANDARD ACCESSORIES	OPTIONAL ACCESSORIES
Electric motors & electricals • Set of requisite tools • Milling arbor • Instruction & maintenance manual • Coolant system • Machine lamp	Universal dividing head • Vertical milling head • Rack cutting attachment • Slotting attachment • Rotary table • Universal machine vice • Collet chucks & collets • Backlash eliminator for climb milling. • Motorised overarm with universal head for models 'GU3E' & 'GH3E'

Illustrations & specifications are not binding in detail & are subject to modification & improvement without notice.

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