

Surface Grinding

Semi-automactic series- ESG-3A1632

Specifications:

3A: Longitudinal Hydraulic, Crossfeed Motorized And Rapid Up/Down Motorized.

MODEL		ESG-3A1632
Table Size		305x915mm(12x36")
Max.grinding length	Longitudinal	915mm(36")
Max.grinding width	Crosswise	330mm(13")
Max. distance from table surface to spindle centerline		Standard column:630mm(24 3/4"); Optional high column:720mm(28 5/16")
Stadard magnetic chuck size		300x900mm(11 3/4x35 3/8")
Longitudinal movement of table	Max. travel, hydraulic	960mm(37 3/4")
	Max. travel, manual	1000mm(39 3/8")
	Max. travel,infininitely variable	60HZ,5-25m/min,50HZ,5-20m/min
Cross transverse travel	Auto transverse increment	1~25mm(0.04"-1")
	Max. auto transverse travel	350mm(13 3/4")
	Max. manual transverse travel	380mm(15")
	Handwheel per revolution	5mm(0.2")
	Handwheel per graduation	0.02mm(0.001")
Sheelhead vertical infeed	Automatic infeed	0.001-0.04mm(0.00005-0.002")
	Step feed (jog)	0.001mm(0.00005")
	Rapid travel, Approx	150mm/min
	Slow travel, Approx	6mm/min
	Handwheel revolution	1mm(0.05")
	Handwheel graduation	0.005mm(0.0005")
Grinding spidle drive	Speed	60HZ,1750 R.P.M.; / 50HZ,1450 R.P.M.
	Power rating	Standard:5HP; Optional:7 1/2HP,10HP
Standard grinding wheel	Diameter	355mm(14")
	Width	50mm(2")
	Bore	127mm(5")
Hydraulic motor	Power rating	3.0HPx6P
Crossfeed motor	Power rating	80Wx6P
Elevating motor	Power rating	1/4HPx6P
Floor space	Total space required	3550x1970x2050mm(140x78x81")
Weights	Net weight, Approx.	3330KGS(7326LBS)
	Gross weight, Approx.	3700KGS(8140LBS)
Rated power, Approx		8 1/2HP(Spindle motor:5HP)
		11HP(Spindle motor:7.5HP),
		13 1/2HP(Spindle motor:10HP)

Packing dimensions	L x W x H	3000x2290x2200mm(118x90x88")
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GENERAL FEATURE:

1.Column:

Enlarged, honeycomb-ribbed column especially suitable for heavy duty grinding.

2.Construction:

Construction of table, saddle and base is casted with high grade iron, strongly ribbed.

3.Spindle:

Enlarged spindle set is supported by four preloaded precision angular contact Ball bearings for heavy duty.

4.Slideways:

Vertical, cross (double vee) and longitudinal (one vee & one flat) slideways are coated with Turcite-B, provides stable movement and durable accuracy.

5Automatic Continuous Lubrication System:

All slideways and screws are fully oiled by automatic continuous lubrication system to eliminate wears on slideways & screws.

6.Cross Feed:

Ball screw for cross travel, powered by AC motor.

7.Hydraulic Table:

Table speed ranges 5-25m/min. With rack and pinion table drive for hand operation.

8.Proximity Switch:

Provide built-in-type (hidden) proximity switch, features safe and easy operation.

9.Table Speed Control:

Presettable hydraulic table speed control allows operator to pre-set speed rate, enable to get same speed rate when engaging hydraulic table every time.

10.Hand Wheels:

Zero-setting slip-ring with vernier on vertical handwheel, and vernier on crossfeed handwheel.



Enlarged Spindle Set For
1228, 1232, 1236, And 16
Series



Ball screw For Crossfeed
Movement



Presettable Table Speed
Control For 1228, 1232, 1236,
And 16 Series

Standard Accessories:

- Wheel Extrude Screw & Nut
- Tool Box With Tools
- Balancing
- Auto Lubrication System
- Levelling Screw With Blocks
- Diamond Dresser
- Wheel Flange
- Touch-up Paint
- Grinding Wheel
- Crossfed Ballscrew

Optional Accessories :

