

Specifications

GENERAL	10"	12"	10"	12"
Maximum swing over table ---	10 ³ / ₄ "	12 ³ / ₄ "	Wheel head movement per turn of wheel—	
Maximum size machine will grind with full size wheel --	10"	12"	High -----	.050" .050"
Coolant tank capacity -----	45 gallons	45 gallons	Low -----	.005" .005"
SWIVEL TABLE & CARRIAGE				
Traverse speed — inches per minute -----	3 to 144	3 to 144	Diameter of wheel spindle—	
Center rest—maximum capacity	2 ¹ / ₈ "	5 ¹ / ₂ "	Between bearings -----	3" 3"
Work rests—capacity -----	³ / ₈ " to 3 ¹ / ₈ "	³ / ₈ " to 6"	At Bearings -----	2 ¹ / ₂ " 2 ¹ / ₂ "
Lubrication of table ways -----	Pressure	Pressure	Minimum diameter hole—standard swing type internal fixture	13/16" 13/16"
Traverse per turn of handwheel			Maximum depth of hole—standard swing type internal fixture	4" 4"
1. High -----	1.0"	1.0"	Internal spindle speed—standard swing type—R.P.M. ----	15000 15000
2. Low -----	0.1"	0.1"	HEADSTOCK & FOOTSTOCK	
Minimum movement to reverse table -----	¹ / ₈ "	¹ / ₈ "	Taper hole in headstock and footstock spindles -----	#6 Jarno Variable Voltage All Vee Belt
GRINDING WHEEL BASE				
Grinding wheel size—standard	12"x1 ¹ / ₄ "x5"	14"x1 ¹ / ₂ "x5"	Type of drive in headstock ----	#9 Jarno Variable Voltage All Vee Belt
Wheel head swivel range ----	90° each way	90° each way	Number of work speeds -----	Infinite
Wheel head lower base swivel range -----	90° each way	90° each way	Range of work speeds—R.P.M.	55 to 495
Wheel spindle speeds — R.P.M.	1590 & 1843	1352 & 1565	Headstock swivel range -----	90°
Automatic infeed at table reversal—on diameter -----	.004" Max. .0003" Min. 10"	.004" Max. .0003" Min. 12"	ELECTRIC MOTORS	
			Wheel drive motor — 1750 R. P. M., AC -----	1 ¹ / ₂ H.P. 3 H.P.
			Work drive motor—DC -----	³ / ₄ H.P. ³ / ₄ H.P.
			Hydraulic oil pump drive motor—1150 R. P. M., AC	3 H.P. 3 H.P.
			Coolant pump drive motor—1725 R. P. M., AC -----	¹ / ₄ H.P. ¹ / ₄ H.P.
			Internal fixture motor -----	1 H.P. 1 H.P.

	10"x24"	12"x36"	12"x48"
Length between centers	24"	36"	48"
Maximum distance between centers	26"	37 ¹ / ₂ "	49 ¹ / ₂ "
Floor space required	60 ¹ / ₂ "x106"	58 ¹ / ₂ "x140"	58 ¹ / ₂ "x162"
Swivel table graduated (degrees included angle)	10°	14°	10°
Swivel table graduated (inches per foot)	2"	3"	2"
Weight of machine (net)—pounds	5700	8500	9000
Weight of machine—pounds—crated for domestic shipment	6400	9200	9900
Weight of machine—pounds—boxed for export	7500	10360	11060
Cubic Contents—cu. ft.—boxed for export	192	350	400

The Landis Tool Company reserves the right to change, without notice, the design and specifications of this grinding machine and its attachments.