

ATUL MACHINE TOOLS

Hydraulic Cylindrical Grinding Machine

Technical Specifications

ID	Particulars	Aarti H-0	Aarti H-1	Aarti H-2	Aarti H-3	Aarti H-4
1	Capacities MM	450	600	800	1000	1250
2	Maximum grinding length MM	450	600	800	1000	1250
3	Maximum height of centers MM	150mm	150mm	150mm	150mm	150mm
4	Maximum swing over bed	295mm	295mm	295mm	295mm	295mm
5	Maximum grinding diameter	100mm	100mm	100mm	100mm	100mm
6	Table feed	HYDRAULIC INFINITELY VARIABLE	HYDRAULIC INFINITELY VARIABLE	HYDRAULIC INFINITELY VARIABLE	HYDRAULIC INFINITELY VARIABLE	HYDRAULIC INFINITELY VARIABLE
7	Range of table feed per MM/minute	100 - 4000	100 - 4000	100 - 4000	100 - 4000	100 - 4000
8	Maximum table swivel	-2+7	-2+7	-2+7	-2+7	-2+7
9	Wheel Head Rapid Approach/Retraction	35 MM	35 MM	35 MM	35 MM	35 MM
10	Hydraulic Power pack Motor	0.75 KW / 1 H.P	0.75 KW / 1 H.P	0.75 KW / 1 H.P	0.75 KW / 1 H.P	0.75 KW / 1 H.P
11	Workhead Swivel on either-side	±45	±45	±45	±45	±45
12	Work Spindle Speed	3	3	3	3	3
13	Work Spindle Speed Range	65,96,132	65,96,132	65,96,132	65,96,132	65,96,132
14	Work Head Motor	0.37 KW / 0.5 H P	0.37 KW / 0.5 H P	0.37 KW / 0.5 H P	0.37 KW / 0.5 H P	0.37 KW / 0.5 H P
15	Taper In Work Spindle	MT-4	MT-4	MT-4	MT-4	MT-4
16	Taper In Tail Stock Spindle	MT-4	MT-4	MT-4	MT-4	MT-4

17	Transverse Movement of Wheel Head	125 MM/max.	125 MM/max.	125 MM/max.	125 MM/max.	125 MM/max.
18	Size of Grinding Wheel	400 X 38 X 127	400 X 38 X 127	400 X 38 X 127	400 X 38 X 127	400 X 38 X 127
19	RPM of Grinding Wheel	1550	1550	1550	1550	1550
20	Wheel Head Motor	2.27 KW / 3 H.P	2.27 KW / 3 H.P	2.27 KW / 3 H.P	2.27 KW / 3 H.P	2.27 KW / 3 H.P
21	Coolant Motor	0.11 KW / 0.15 H.P	0.11 KW / 0.15 H.P	0.11 KW / 0.15 H.P	0.11 KW / 0.15 H.P	0.11 KW / 0.15 H.P

