

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	Auto wheel head in feed at Reversal	0.01	0.01	0.01	0.01	0.01
11	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
12	Workhead Swivel on either-side	±45	±45	±45	±45	±45
13	Work Spindle Speed	3	3	3	3	3
14	Work Spindle Speed Range	65,96,132	65,96,132	65,96,132	65,96,132	65,96,132
15	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
16	Taper In Work Spindle	MT-4	MT-4	MT-4	MT-4	MT-4
17	Taper In Tail Stock Spindle	MT-4	MT-4	MT-4	MT-4	MT-4

18	Transverse Movement of Wheel Head	125 MM/max.	125 MM/max.	125 MM/max.	125 MM/max.	125 MM/max.
19	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
20	RPM of Grinding Wheel	1550	1550	1550	1550	1550
21	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
22	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

