

618 MICROMASTER SERIES II SPECIFICATIONS	618		618PH		618H	
	English	Metric	English	Metric	English	Metric
CAPACITY:						
Width and Length of Work Ground	6x18	150x460	6x18	150x460	6x18	150x460
Height of Work Ground with —						
CHOICE OF—7" ODx1¼" Hole Wheel (178mmODx31mm)						
1.5 HP Direct Drive	15½	390	15½	390	15½	390
—8" ODx1¼" Hole Wheel (203mmODx31mm)						
1 HP Oriflex Drive	15	381	15	381	15	381
OPTIONAL—12" ODx3" Hole Wheel (300mmODx75mm)						
2 HP Direct Drive	13	330	13	330	13	330
Height with Optional						
4" (100mm) Extra Vertical Capacity Parts —						
and Standard—7" ODx1¼" Hole Wheel (178mmODx31mm)						
1.5 HP Direct Drive	19½	495	19½	495	19½	495
or Optional—12" ODx3" Hole Wheel (300mmODx75mm)						
2 HP Direct Drive	17	430	17	430	17	430
SPINDLE:						
Removable — Cartridge-type, with (2) Pairs of						
Super-Precision Angular Contact Ball Bearings	Standard		Standard		Standard	
CHOICE OF—1 HP Oriflex Drive						
8" ODx1¼" Hole x ½" Wide Wheel						
(203mmODx31mm Hole x 13mm Wide Wheel)	2860 RPM		2860 RPM		2860 RPM	
—1½" HP Direct Drive						
7" ODx1¼" Hole x ½" Wide Wheel						
(178mmODx31mm Hole x 13mm Wide Wheel)	3600 RPM		3600 RPM		3600 RPM	
NOTE—Wheel Sleeve Available for 1" (25mm) Wide Wheels						
OPTIONAL—2 HP Direct Drive						
7" ODx1¼" Hole x 1" Wide Wheel						
(178mmODx31mm Hole x 25mm Wide Wheel)	3600 RPM		3600 RPM		3600 RPM	
—2 HP Direct Drive						
12"ODx3" Hole x 1" Wide Wheel						
(300mmODx75mm Hole x 25mm Wide Wheel)	1800 RPM		1800 RPM		1800 RPM	
LUBRICATION	Sealed		Sealed		Sealed	
TABLE:						
Working Surface	6x18	150x460	6x18	150x460	6x18	150x460
Number of T-Slots	One		One		One	
Width of T-Slots	⅝	14	⅝	14	⅝	14
Slides on One V-Way and One Flat Way	Standard		Standard		Standard	
FEEDS:						
Longitudinal (Table)						
Hydraulic — Feet/Metres Per Minute	5-100	125-2500	5-100	125-2500		Hand
Maximum Longitudinal Travel	22	560	22	560		Hand
Handwheel; one revolution moves Table (Standard)	2	50	2	50	27/8	73
(Optional)					2	50
Low Friction Table Ways					Standard	
Cross (Spindle Slide Upright)						
—Hydraulic, any desired feed from						
0.01" (.25mm) to 0.25" (6.25mm) available at						
each reversal of power longitudinal table travel	Standard		Hand Only		Hand Only	
—Continuous hydraulic transverse feed of						
10 ipm (250mm/min) provided for wheel truing	Standard		Hand Only		Hand Only	
—Continuous hydraulic transverse feed of						
12 fpm (3.6M/min) provided for rapid transverse						
positioning of wheel	Standard		Hand Only		Hand Only	
—Hand wheel, has adjustable dial						
graduated to read to	0.000,2	.005	0.000,2	.005	0.000,2	.005
—Fine-feed knob, available at extra cost, adjacent						
to handwheel is graduated to read	0.000,1	.003	0.000,1	.003	0.000,1	.003
—Transverse movement	7	175	7	175	7	175
Vertical (Wheel Spindle Slide)						
—By handwheel located on right-front of bed	Standard		Standard		Standard	
—Handwheel has adjustable dial graduated to read to	0.000,2	.005	0.000,2	.005	0.000,2	.005
—A fine-feed knob, mounted adjacent to the handwheel						
is graduated to indicate vertical adjustments to	0.000,1	.003	0.000,1	.003	0.000,1	.003
—One revolution of handwheel moves grinding wheel	0.05	1.27	0.05	1.27	0.05	1.27
—Vertical Adjustment						
Standard	15¾	390	15¾	390	15¾	390
Optional—4" (100mm) extra vertical capacity	19¾	490	19¾	490	19¾	490
HYDRAULIC SYSTEM:						
Capacity, gallons/litres	22	83	22	83		
Pump	B&S No. 2S Gear		B&S No. 2S Gear			
Pump Motor Horsepower	1		1			
					Reservoir	
AUTOMATIC LUBRICATION:					5 Gals.	19.5 litres
	Hydraulic System		Hydraulic System			