



Also Available:  
MPS EA (Extended Arm)

- \* **FOUR AXIS CONTROL** - High level of flexibility
- \* **RESPONSIVE FEEDBACK** - Instills operator confidence
- \* **SAFE AND EFFICIENT** - Reduces operator fatigue

# MPS – MANUAL POWER SAW SERIES

## Specifications:

		MPS Standard		MPS EA (Extended Arm)	
		US	Metric	US	Metric
A	Drive Motor (40HP standard)	30, <b>40</b> , 50 HP	22, <b>30</b> , 37 kW	30, <b>40</b> , 50 HP	22, <b>30</b> , 37 kW
B	Blade Diameter (20 in standard)	12, 16, <b>20</b> , 24 in	300, 406, <b>500</b> , 605 mm	12, 16, <b>20</b> , 24 in	300, 406, <b>500</b> , 605 mm
C	Up/Down Movement	14 in	350 mm	31.5 in	800 mm
D	Left/Right Movement	24 in	600 mm	48 in	1200 mm
E	Fore/Aft Movement	35 in	900 mm	94 in	2400 mm
F	Blade tilt	+/- 30°	+/- 30°	+/- 30°	+/- 30°
G	Base Width	37 in	950 mm	65 in	1650 mm
H	Base Depth	46 in	1200 mm	46 in	1200 mm
I	Base Height	79 in	2010 mm	79 in	2050 mm
J	Electrical Requirement	480V,3ph	380-415V,3ph	480V,3ph	380-415V,3ph
K	Machine Weight (Approx.)	3300 lbs	1500 kg	5500 lbs	2500 kg

## Design Features:

- Safety**  
 The machine utilizes a two button safety start, requiring the operator's hands to remain on the controls during cutting. Removing one or both hands instantaneously stops the cutting wheel.
- Bi-directional arm**  
 A choice of machine setup is offered at the time of order. Choose either a right or left hand manipulator arm, depending on your particular production and factory layout requirements.
- Adjustable Height**  
 Hydraulic height adjustment by means of a switch on the operators' controls allows for easy height adjustment to accommodate for wheel wear and different workpiece sizes.
- Blade tilt adjustment**  
 A disc brake secures the tilt angle of the wheel and is easily adjusted via a switch on the operators' control. Once released, the wheel can be tilted 30° either side of vertical, allowing access to hard to reach ingates. This axis locks while cutting.
- Flexibility**  
 A large cutting area envelope and moving the wheel to the workpiece allows for simple workpiece clamping. Responsive 4-axis control means that the operator can adapt to variations in both casting and positioning irregularities.
- Auto Shutoff**  
 The main drive motor will turn itself off if the cutting wheel is idle for 3 minutes. This combined with a 'no-load' start-up equates to significant energy savings.
- Compact Design with Inbuilt Fork Tubes**  
 Allows for easy maneuverability and machine setup.
- Error Codes**  
 Automatic shut down for high oil temperature, low oil level and motor overload. Error codes displayed on the main operator interface.
- Work Light**  
 Adjustable worklight illuminates the cutting area.

*A.W. Bell Machinery P/L reserves the right to change specifications without notice*

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