



**POWER-V
SPECIFICATIONS**

	7'6" Power-V	8'2" Power-V	8'2" Poly Power-V	9'2" Power-V	9'2" Poly Power-V	10' Power-V
MOLDBOARD						
Moldboard Width (Straight)	90"	98"	98"	110"	110"	120"
Moldboard Width (Vee)	81"	88"	88"	99"	99"	107"
Moldboard Width (Scoop)	74"	81"	81"	92"	92"	102"
Moldboard Thickness	14 Gauge High Strength	11 Gauge	3/8"	11 Gauge	3/8"	11 Gauge
Moldboard Height	30"	30"	30"	30"	30"	34 1/2"
Cutting Edge (High Performance Steel)						
Integrated Curb Guard	1/2" x 6"	1/2" x 6"	1/2" x 6"	1/2" x 6"	1/2" x 6"	1/2" x 6"
Cutting Edge Bolts	4 @ 5/8"	4 @ 5/8"	4 @ 5/8"	5 @ 5/8"	5 @ 5/8"	5 @ 5/8"
Cutting Edge Angle	60°	60°	60°	60°	60°	60°
Reinforcement Ribs	6 + 2 Diag	6 + 2 Diag	6 + 2 Diag	8 + 2 Diag	8 + 2 Diag	8 + 2 Diag
Box Section Reinforcements	2	2	2	4	4	4
Blade Hinge Bushings (O.D. / I.D.)	2" / 1"	2" / 1"	2" / 1"	2" / 1"	2" / 1"	2-1/4" / 1-1/4"
Curb Guards	Optional	Optional	Optional	Optional	Optional	Optional
Snowfoils	Optional	Optional	Optional	Optional	Optional	Optional
Blade Extensions	Optional	Optional	Optional	Optional	Optional	N/A
CENTER HINGE ASSEMBLY						
Thickness of Assembly	1/4" Formed	1/4" Formed	1/4" Formed	1/4" Formed	1/4" Formed	1/4" Formed
Center Hinge Pin Diameter	1-1/4"	1-1/4"	1-1/4"	1-1/4"	1-1/4"	1-1/2"
Hinge Bushings (O.D. / I.D.)	2" / 1"	2" / 1"	2" / 1"	2" / 1"	2" / 1"	2-1/4" / 1-1/4"
PUSH FRAME						
Material	1/4" High Strength Steel	1/4" High Strength Steel	1/4" High Strength Steel	1/4" High Strength Steel	1/4" High Strength Steel	3/8" High Strength Steel
Horizontal Mounting Pins	1"	1"	1"	1"	1"	1-1/2"
TRIP MECHANISM						
Trip Method	Full Moldboard	Full Moldboard	Full Moldboard	Full Moldboard	Full Moldboard	Full Moldboard
Trip Springs	4	4	4	4	4	4
Trip Spring Type	0.375" Hooked Ext. Spring	0.375" Hooked Ext. Spring	0.375" Hooked Ext. Spring	0.375" Hooked Ext. Spring	0.375" Hooked Ext. Spring	0.375" Hooked Ext. Spring
Trip Spring Adjustment	Spade Bolt	Spade Bolt	Spade Bolt	Spade Bolt	Spade Bolt	Spade Bolt
LIGHTING						
Bulbs	SL3 L.E.D. with Ice Shield Technology					
Lens Material	Fully Sealed L.E.D. Lighting					
Housing Material	Polycarbonate					
Dimensions	Xenon					
Mounting	11-1/2" Wide X 4 1/3" High X 6" Deep					
High Beam Output	Fully adjustable 5 bolt retaining clamp					
Low Beam Output	850 effective lumens					
	650 effective lumens					
	100% DOT, FMVSS, SAE and ECE compliant					
CONTROLS						
SmartTouch 2™ Hand Held Control (standard):	5 Soft Touch Buttons - Automatic Float Fully Independent Function Control					
Joystick (optional):	8 position Joystick with Handle Mounted Raise/Lower/Detented Float Rocker Switch Fully Independent Function Control					
HYDRAULIC SYSTEM PERFORMANCE						
Angling	3-1/2 Seconds at Full Pressure					
Lift	2 Seconds at Full Pressure					
Lower	Fully Adjustable Flow Control Valve (Integral with Valve Assembly)					
POWER UNIT						
Construction	Heavy Duty, Cast Iron Pump Housing					
Mounting	Plow Mounted with Enclosure Cover					
Reservoir Capacity	2 Quart					
Pump Type	Fixed Displacement Gear Pump, 5/16" Wide Gear Face (.162 cu.in/rev)					
Flow Rate	1.3 GPM (4.9 LITERS/MIN) @ 2000 PSI					
Motor	12 VDC High Torque Motor					
Amp Draw	243 Amps, 12 VDC, @ 2000 PSI					
Relief Setting	2500 PSI Full Bypass Relief					
Filtration	100 Mesh Screen on Inlet and Exhaust Tubes					



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CYLINDERS						
Angling Cylinders						
Quantity	2	2	2	2	2	2
Stroke	10"	10"	10"	10"	10"	10"
Rod Diameter	1-1/2"	1-1/2"	1-1/2"	1-1/2"	1-1/2"	2"
Seal	Polyurethane and Buna-N Double Lip Seals					4 Vee type D&R Seal
Lift Cylinders						
Quantity	1	1	1	1	1	1
Type	Direct Acting, Pull Type	Direct Acting, Pull Type	Direct Acting, Pull Type	Direct Acting, Pull Type	Direct Acting, Pull Type	Double Acting, Pull Type
Stroke	10"	10"	10"	10"	10"	12"
Rod Diameter	1.125"	1.125"	1.125"	1.125"	1.125"	1.125"
Piston Diameter	2"	2"	2"	2"	2"	2.25"
Seal	Polyurethane and Buna-N Double Lip Seals					
VALVE MANIFOLD						
Type	Remote Mounted, Cartridge Valve Manifold					
Material	Anodized 6061 Marine Grade Aluminum					
Valves	7 Solenoid-Operated, 2-Way, Piloted Poppet Control Valves 2 Independent Differential Area, Poppet Pressure Relief Valves (2800 PSI Setting) 7 100 Mesh Filter Screens					
QUICK HITCH SYSTEM						
Undercarriage System	RT3	RT3	RT3	RT3	RT3	RT3
Hitch System	SmartHitch 2™	SmartHitch 2™	SmartHitch 2™	SmartHitch 2™	SmartHitch 2™	SmartHitch 2™
MISCELLANEOUS						
Center Adjustable Plow Shoe			Optional Cast Iron Wear Pad with 1" Steel Rod.			
Blade Adjustable Plow Shoe			Optional Cast Iron Wear Pad with 1" Steel Rod.			
PLOW WEIGHT*						
	700 lb ^B	770 lb ^B	809 lb ^B	838 lb ^B	868 lb ^B	1105 lb ^C
WARRANTY						
	Limited 2 year Parts and Labor	Limited 2 year Parts and Labor	Limited 2 year Parts and Labor	Limited 2 year Parts and Labor	Limited 2 year Parts and Labor	Limited 2 year Parts and Labor

* Plow weight does not include mount weight. ^BVehicle mount weight range: 75-105 lb. ^CVehicle mount range 130-160 lb.

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