



**EXT  
SPECIFICATIONS**

**8'-10'  
RT3 EXT**

**MOLDBOARD**

Moldboard Width (retracted)	96" (244 cm)
Moldboard Width (extended)	120" (305 cm)
Plowing Width @ 30° Angle	83" (211cm) Retracted and 103" (262cm) Extended
Wing Extension Angle	20°
Moldboard Thickness	11 Gauge Steel
Moldboard Height	30" (76.2 cm)
Cutting Edge (High Performance Steel)	1/2" x 6" (1.3 cm x 15 cm)
Extension Cutting Edge (Polyurethane)	1 1/2"(38mm) x 9 3/4"(247.6mm)
Cutting Edge Bolts	13 @ 5/8"(15.9mm)
Cutting Edge Angle	70°
Reinforcement Ribs	9 Vertical
Box Section Reinforcements	2
Snowfoil	Optional

**PUSH FRAME ATTACHMENT BAR**

Moldboard Attachment Pins	3/4"(19mm) GR5, QTY 3
Pivot Pin Diameter	3/4"(19mm) GR5
Pivot Pin Bushings (O.D. / I.D.)	1-3/4"(44.4mm) / 3/4"(19mm)

**PUSH FRAME**

Super Structure	2"(50.8mm) x 4"(101.6mm) Tube
Angle Pivot Pin Diameter	3/4"(19mm) GR5
Pivot Pin Bushing (O.D. / I.D.)	1-3/4"(44.4mm) / 3/4"(19mm)

**TRIP MECHANISM**

Trip Method	Full Moldboard
Trip Springs	4
Trip Spring Type	0.375"(9.5mm) Hooked Extension Spring
Trip Spring Adjustment	Spade Bolt
Trip Dampening	Shock Absorber

**LIGHTING**

Bulbs	SL3 L.E.D. with Ice Shield Technology
Lens Material	Fully Sealed L.E.D. Lighting
Housing Material	Polycarbonate
Dimensions	Xenoy
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):	7 Soft Touch Buttons - Automatic Float Fully Independent Function Control
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**HYDRAULIC SYSTEM PERFORMANCE**

Angling	3-1/2 Seconds at Full Pressure
Lift	2 Seconds at Full Pressure
Extend	4 Seconds at Full Pressure
Retract	3 Seconds at Full Pressure
Lower	Fully Adjustable Flow Control Valve

**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
Stroke	10"(254 mm)
Rod Diameter	1-1/2"(38 mm)
Seal	Polyurethane and Buna-N Double Lip Seals
Lift Cylinders	
Quantity	1
Type	Direct Acting, Pull Type
Stroke	10"(254 mm)
Rod Diameter	1.125"(28.6mm)
Piston Diameter	2"(50.8 mm)
Seal	Polyurethane and Buna-N Double Lip Seals
Wing Extension Cylinders	
Quantity	2
Stroke	12.75" (323.85mm)
Rod Diameter	1.1"(27.9mm)
Seal	Polyurethane and Buna-N Double Lip Seals

**VALVE MANIFOLD**

Type	Remote Mounted, Cartridge Valve Manifold
Material	Anodized 6061 Marine Grade Aluminum
Valves	2 Solenoid-Operated, 2-Way, Piloted Poppet Control Valves 3 Solenoid-Operated, 4-Way, 3 Position Spool Control Valve 1 Cross-over Relief Valve (3800 PSI Setting) 2 Independent Differential Area, Poppet Pressure Relief Valves (1200 PSI Setting) 5 100 Mesh Filter Screens

**QUICK HITCH SYSTEM**

Undercarriage System	RT3
Hitch System	SmartHitch 2™

**MISCELLANEOUS**

Blade Adjustable Plow Shoe	Optional Cast Iron Wear Pad with 1" Steel Rod.
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**PLOW WEIGHT\***

970 lbs (440 kgs)

**WARRANTY**

Limited 2 year  
Parts and Labor

\* Plow weight does not include mount weight. Vehicle mount weight range: 75-105 lb.

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**11/22/19 MM**