



**RT3 TRIP-EDGE PLOW
SPECIFICATIONS**

	7'6" Steel SUPER-DUTY	8'0" Steel SUPER-DUTY	9'0" Steel SUPER-DUTY	7'6" Stainless SUPER-DUTY	8'0" Stainless SUPER-DUTY	9'0" Stainless SUPER-DUTY
MOLDBOARD						
Moldboard Width (Straight)	90" (229 cm)	96" (244 cm)	108" (274 cm)	90" (229 cm)	96" (244 cm)	108" (274 cm)
Plowing Width @ 30 Deg. Angle	78" (198 cm)	83" (211 cm)	93-1/2" (238 cm)	78" (198 cm)	83" (211 cm)	93-1/2" (238 cm)
Moldboard Height	31" (79 cm)	31" (79 cm)	31" (79 cm)	31" (79 cm)	31" (79 cm)	31" (79 cm)
Moldboard Thickness	11 Gauge	11 Gauge	11 Gauge	14 ga 304 Stainless	14 ga 304 Stainless	14 ga 304 Stainless
Base Angle	1/2 X 3 1/2 X 3 1/2 (1.3 cm x 9 cm x 9 cm)	1/2 X 3 1/2 X 3 1/2 (1.3 cm x 9 cm x 9 cm)	1/2 X 3 1/2 X 3 1/2 (1.3 cm x 9 cm x 9 cm)	1/2 X 3 1/2 X 3 1/2 (1.3 cm x 9 cm x 9 cm)	1/2 X 3 1/2 X 3 1/2 (1.3 cm x 9 cm x 9 cm)	1/2 X 3 1/2 X 3 1/2 (1.3 cm x 9 cm x 9 cm)
Approach Angle	70°	70°	70°	70°	70°	70°
Cutting Edge (Standard)	1/2" x 6" (1.3 cm x 15 cm)	1/2" x 6" (1.3 cm x 15 cm)	1/2" x 6" (1.3 cm x 15 cm)	1/2" x 6" (1.3 cm x 15 cm)	1/2" x 6" (1.3 cm x 15 cm)	1/2" x 6" (1.3 cm x 15 cm)
Reinforcement Ribs	6 Vertical, 2 Diagonal	6 Vertical, 2 Diagonal	8 Vertical, 2 Diagonal	6 Vertical, 2 Diagonal	6 Vertical, 2 Diagonal	8 Vertical, 2 Diagonal
Snowfoal	Optional	Optional	Optional	Optional	Optional	Optional
Curb Guards	Optional	Optional	Optional	Optional	Optional	Optional
Blade Extensions	Optional	Optional	Optional	Optional	Optional	Optional
PUSH FRAME ATTACHMENT BAR						
Moldboard Attachment Pins	3/4"(19mm) GR5, QTY 10	3/4"(19mm) GR5, QTY 10	3/4"(19mm) GR5, QTY 10	3/4"(19mm) GR5, QTY 10	3/4"(19mm) GR5, QTY 10	3/4"(19mm) GR5, QTY 10
Pivot Pin Diameter	1"(25.4mm) GR5	1"(25.4mm) GR5	1"(25.4mm) GR5	1"(25.4mm) GR5	1"(25.4mm) GR5	1"(25.4mm) GR5
Pivot Pin Bushings (O.D. / I.D.)	2"(50.8mm) / 1"(25.4mm)	2"(50.8mm) / 1"(25.4mm)	2"(50.8mm) / 1"(25.4mm)	2"(50.8mm) / 1"(25.4mm)	2"(50.8mm) / 1"(25.4mm)	2"(50.8mm) / 1"(25.4mm)
Sector Beam	2"(50.8mm) x 4"(101.6mm) x 1/4"(6.3mm)	2"(50.8mm) x 4"(101.6mm) x 1/4"(6.3mm)	2"(50.8mm) x 4"(101.6mm) x 1/4"(6.3mm)	2"(50.8mm) x 4"(101.6mm) x 1/4"(6.3mm)	2"(50.8mm) x 4"(101.6mm) x 1/4"(6.3mm)	2"(50.8mm) x 4"(101.6mm) x 1/4"(6.3mm)
PUSH FRAME						
Super Structure	2 1/2"(63.5mm) X 3"(76.2mm) X 3/8"(9.5mm)	Cha2"(63.5mm) X 3"(76.2mm) X 3/8"(9.5mm)	Cha2"(63.5mm) X 3"(76.2mm) X 3/8"(9.5mm)	Cha2"(63.5mm) X 3"(76.2mm) X 3/8"(9.5mm)	Cha2"(63.5mm) X 3"(76.2mm) X 3/8"(9.5mm)	Cha2"(63.5mm) X 3"(76.2mm) X 3/8"(9.5mm)
Angle Pivot Pin Diameter	1"(25.4mm) GR5	1"(25.4mm) GR5	1"(25.4mm) GR5	1"(25.4mm) GR5	1"(25.4mm) GR5	1"(25.4mm) GR5
Pivot Pin Bushing (O.D. / I.D.)	2 3/16"(55.6mm) / 1"(25.4mm)	2 3/16"(55.6mm) / 1"(25.4mm)	2 3/16"(55.6mm) / 1"(25.4mm)	2 3/16"(55.6mm) / 1"(25.4mm)	2 3/16"(55.6mm) / 1"(25.4mm)	2 3/16"(55.6mm) / 1"(25.4mm)
TRIP MECHANISM						
Trip Method	Trip-Edge	Trip-Edge	Trip-Edge	Trip-Edge	Trip-Edge	Trip-Edge
Trip Pivot Pin Diameter	1"(25.4mm)	1"(25.4mm)	1"(25.4mm)	1"(25.4mm)	1"(25.4mm)	1"(25.4mm)
Trip Springs	4	4	4	4	4	4
Trip Spring Type	0.375"(9.5mm) Hooked Extension Spring	0.375"(9.5mm) Hooked Extension Spring	0.375"(9.5mm) Hooked Extension Spring	0.375"(9.5mm) Hooked Extension Spring	0.375"(9.5mm) Hooked Extension Spring	0.375"(9.5mm) Hooked Extension Spring
Trip Spring Adjustment	3/4"(19mm) GR 5 Bolt	3/4"(19mm) GR 5 Bolt	3/4"(19mm) GR 5 Bolt	3/4"(19mm) GR 5 Bolt	3/4"(19mm) GR 5 Bolt	3/4"(19mm) GR 5 Bolt
LIGHTING						
Bulbs	SL3 L.E.D. with Ice Shield Technology					
Lens Material	Fully Sealed L.E.D. Lighting					
Housin Material	Polycarbonate					
Dimensions	Xenon					
Mounting	11-1/2"(292mm) Wide X 4 1/3"(110mm) High X 6"(152mm) Deep					
High Beam Output	Fully adjustable 5 bolt retaining clamp					
Low Beam Output	850 effective lumens					
CONTROLS						
SmartTouch 2™ Hand Held Con	3 Soft Touch Illuminated Buttons - Automatic Float Fully Independent Function Control					
Joystick (optional):	4 position Joystick with Detented Float Position Fully Independent Function Control (Integral with Valve Assembly)					
HYDRAULIC SYSTEM PERFORMANCE						
Angling	3-1/2 Seconds at Full Pressure					
Lift	2 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					
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					
CYLINDERS						
Angling Cylinders	Quantity 2					
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					
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					
VALVE MANIFOLD						
Type	Remote Mounted, Cartridge Valve Manifold					
Material	Anodized 6061 Marine Grade Aluminum					
Valves	3 Solenoid-Operated, 2-Way, Piloted Poppet Control Valves 1 Solenoid-Operated, 4-Way, 3 Position Spool Control Valve 1 Cross-over Relief Valve (3800 PSI Setting) 4 100 Mesh Filter Screens					
QUICK HITCH SYSTEM						
Undercarriage System	RT3					
Hitch System	SmartHitch 2™					
MISCELLANEOUS						
Blade Adjustable Plow Shoe	Cast Iron Wear Pad with 1"(25.4mm) Steel Rod.					
PLOW WEIGHT*						
	772 lb (350 kg)	788 lb (357 kg)	828 lb (376 kg)	831 lb (377 kg)	849 lb (385 kg)	897 lb (407 kg)
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. Vehicle mount weight range: 75-105 lb.

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