



**RT3 STRAIGHT BLADE
SPECIFICATIONS**

	7'6" STD-DUTY	7'6" SUPER-DUTY	8'0" SUPER-DUTY	8'6" SUPER-DUTY	9'0" SUPER-DUTY	10'0" SUPER-DUTY
MOLDBOARD						
Moldboard Width (Straight)	90" (229 cm)	90" (229 cm)	96" (244 cm)	102" (259 cm)	108" (274 cm)	120" (305 cm)
Plowing Width @ 30 Deg. Angle	78" (198 cm)	78" (198 cm)	83" (211 cm)	88" (224 cm)	93-1/2" (238 cm)	104" (264 cm)
Moldboard Thickness	14 Gauge High Strength	11 Gauge	11 Gauge	11 Gauge	11 Gauge	7 Gauge
Moldboard Height	27-1/2" (70 cm)	29" (74 cm)	29" (74 cm)	29" (74 cm)	29" (74 cm)	34-1/2" (88 cm)
Cutting Edge (1080 Steel)	3/8" x 6" (1 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)
Cutting Edge Angle	70°	70°	70°	70°	70°	70°
Reinforcement Ribs	7	7 + 2 Diag	7 + 2 Diag	7 + 2 Diag	7 + 2 Diag	8 + 2 Diag
Box Section Reinforcements		2	2	4	4	2
Snowfoil	Optional	Optional	Optional	Optional	Optional	Optional
Curb Guards	Optional	Optional	Optional	Optional	Optional	N/A
Blade Extensions	Optional	Optional	Optional	Optional	Optional	N/A

PUSH FRAME ATTACHMENT BAR

Moldboard Attachment Pins	3/4"(19mm) GR5, QTY 3	3/4"(19mm) GR5, QTY 3	3/4"(19mm) GR5, QTY 3	3/4"(19mm) GR5, QTY 3	3/4"(19mm) GR5, QTY 3	3/4"(19mm) GR5, QTY 4
Pivot Pin Diameter	3/4"(19mm) GR5	3/4"(19mm) GR5	3/4"(19mm) GR5	3/4"(19mm) GR5	3/4"(19mm) GR5	1" (25.4mm)GR5
Pivot Pin Bushings (O.D. / I.D.)	1-3/4"(44.4mm) / 3/4"(19mm)	1-3/4"(44.4mm) / 3/4"(19mm)	1-3/4"(44.4mm) / 3/4"(19mm)	1-3/4"(44.4mm) / 3/4"(19mm)	1-3/4"(44.4mm) / 3/4"(19mm)	2"(51mm) / 1"(19mm)

PUSH FRAME

Super Structure	2"(50.8mm) x 4"(101.6mm) Tut	2"(50.8mm) x 4"(101.6mm) Tut	2"(50.8mm) x 4"(101.6mm) Tut	2"(50.8mm) x 4"(101.6mm) Tut	2"(50.8mm) x 4"(101.6mm) Tut	2"(50.8mm) x 4"(101.6mm) Tut
Angle Pivot Pin Diameter	3/4"(19mm) GR5	3/4"(19mm) GR5	3/4"(19mm) GR5	3/4"(19mm) GR5	3/4"(19mm) GR5	1" (25.4mm)GR5
Pivot Pin Bushing (O.D. / I.D.)	1-3/4"(44.4mm) / 3/4"(19mm)	1-3/4"(44.4mm) / 3/4"(19mm)	1-3/4"(44.4mm) / 3/4"(19mm)	1-3/4"(44.4mm) / 3/4"(19mm)	1-3/4"(44.4mm) / 3/4"(19mm)	2"(51mm) / 1"(19mm)

TRIP MECHANISM

Trip Method	Full Moldboard	Full Moldboard	Full Moldboard	Full Moldboard	Full Moldboard	Full Moldboard
Trip Springs	3	4	4	4	4	6
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	Spade Bolt	Spade Bolt	Spade Bolt	Spade Bolt	Spade Bolt	Spade Bolt
Trip Damping	Shock Absorber	Shock Absorber	Shock Absorber	Shock Absorber	Shock Absorber	Shock Absorbers (2)



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Bulbs			SL3 L.E.D. with Ice Shield Technology Fully Sealed L.E.D. Lighting			
Lens Material			Polycarbonate Xenoy			
Housing Material			11-1/2" (292mm) Wide X 4 1/3" (110mm) High X 6" (152mm) Deep			
Dimensions			Fully adjustable 5 bolt retaining clamp			
Mounting			850 effective lumens 650 effective lumens			
High beam output			100% DOT, FMVSS, SAE and ECE compliant			
Low beam output						
CONTROLS						
SmartTouch 2™ Hand Held Control (standard):			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 (3 Quart on 10'0 Plow)			
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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Angling Cylinders						
Quantity	2	2	2	2	2	2
Stroke	10"(254 mm)	10"(254 mm)	10"(254 mm)	10"(254 mm)	10"(254 mm)	10"(254 mm)
Rod Diameter	1-1/2"(38 mm)	1-1/2"(38 mm)	1-1/2"(38 mm)	1-1/2"(38 mm)	1-1/2"(38 mm)	2"(50.8 mm)
Seal	Polyurethane and Buna-N Double Lip Seals	Polyurethane and Buna-N Double Lip Seals	Polyurethane and Buna-N Double Lip Seals	Polyurethane and Buna-N Double Lip Seals	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"(254 mm)	10"(254 mm)	10"(254 mm)	10"(254 mm)	10"(254 mm)	12"(304.8 mm)
Rod Diameter	1.125"(28.6mm)	1.125"(28.6mm)	1.125"(28.6mm)	1.125"(28.6mm)	1.125"(28.6mm)	1.125"(28.6mm)
Piston Diameter	2"(50.8 mm)	2"(50.8 mm)	2"(50.8 mm)	2"(50.8 mm)	2"(50.8 mm)	2.25"(57.2 mm)
Seal	Polyurethane and Buna-N Double Lip Seals	Polyurethane and Buna-N Double Lip Seals	Polyurethane and Buna-N Double Lip Seals	Polyurethane and Buna-N Double Lip Seals	Polyurethane and Buna-N Double Lip Seals	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 Valves (3800 PSI Setting) 4 100 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

Blade Adjustable Plow Shoe	Cast Iron Wear Pad with 1"(25.4 mm) Steel Rod.	Cast Iron Wear Pad with 1"(25.4 mm) Steel Rod.	Cast Iron Wear Pad with 1"(25.4 mm) Steel Rod.	Cast Iron Wear Pad with 1"(25.4 mm) Steel Rod.	Cast Iron Wear Pad with 1"(25.4 mm) Steel Rod.	Cast Iron Wear Pad with 1"(25.4 mm) Steel Rod.
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PLOW WEIGHT*

	597 lb ^B (271 kg)	680 lb ^B (308 kg)	698 lb ^B (317 kg)	720 lb ^B (327 kg)	742 lb ^B (337 kg)	1205 lb ^C (547 kg)
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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
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* Plow weight does not include mount weight. ^BVehicle mount weight range: 75-105 lb. ^CVehicle mount range 130-160 lb.

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5/15/2017 GP