



**RT3 HTX Straight Blade  
SPECIFICATIONS**

**7'0"**  
Steel / **Poly** / Stainless  
HTX

**7'6"**  
Steel / **Poly** / Stainless  
HTX

**MOLDBOARD**

Moldboard Width (Straight)	84" (213 cm)	90" (229 cm)
Plowing Width @ 30 Deg. Angle	73" (185 cm)	78" (198 cm)
Moldboard Material	14-ga mild steel / <b>1/4" poly</b> /14-ga stainless steel	14-ga mild steel / <b>1/4" poly</b> /14-ga stainless steel
Moldboard Height	26" (66 cm)	26" (66 cm)
Cutting Edge (1080 Steel)	1/4" x 6" (.6 cm x 15 cm)	3/8" x 6" (1 cm x 15 cm)
Cutting Edge Angle	70°	70°
Reinforcement Ribs	4 Vertical, 2 Diagonal	6 Vertical, 2 Diagonal
Pivot Pin Bushings (O.D. / I.D.)	1-1/2"(38mm) / 11/16"(17.5mm)	1-1/2"(38mm) / 11/16"(17.5mm)
Snowfoil	Optional	Optional

**PUSH FRAME ATTACHMENT BAR**

Cross Bracing	1-1/2"(38mm) x 3/16"(4.8mm) Plate	1-1/2"(38mm) x 3/16"(4.8mm) Plate
Moldboard Attachment Pins	5/8"(15.9mm) GR5, QTY 2	5/8"(15.9mm) GR5, QTY 2
Pivot Pin Diameter	5/8"(15.9mm) GR5	5/8"(15.9mm) GR5

**PUSH FRAME**

Super Structure	1-11/16" x 2" x 3/16"	1-11/16" x 2" x 3/16"
Cross Bracing	1-9/16" x 3/16" Plate	1-9/16" x 3/16" Plate
Angle Pivot Pin Diameter	5/8"(15.9mm) GR5	5/8"(15.9mm) GR5
Pivot Pin Bushing (O.D. / I.D.)	1-1/2"(38mm) / 11/16"(17.5mm)	1-1/2"(38mm) / 11/16"(17.5mm)

**TRIP MECHANISM**

Trip Method	Full Moldboard	Full Moldboard
Trip Springs	2	2
Trip Spring Type	0.375" Hooked Extension Spring	0.375" Hooked Extension Spring
Trip Spring Adjustment	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	Xenoy
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
	650 effective lumens
	100% DOT, FMVSS, SAE and ECE compliant

**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

**HYDRAULIC SYSTEM PERFORMANCE**

Angling	3-1/2 Seconds at Full Pressure
Lift	2 Seconds at Full Pressure
Lower	Pre-set Flow Control

**POWER UNIT**

Construction	Heavy Duty, Cast Iron Pump Housing
Mounting	Plow Mounted with Enclosure Cover
Reservoir Capacity	2 Quart
Type	Fixed Displacement Gear Pump, 1/8" Wide Gear Face (.065 cu.in/rev)
Flow Rate	.85 GPM (3.2 LITER/MIN) @ 1500 PSI
Motor	12 VDC High Torque Motor
Amp Draw	125 Amps, 12 VDC, @ 1500 PSI
Relief Setting	2000 PSI Full Bypass Relief
Filtration	100 Mesh Screen on Inlet and Exhaust Tubes



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**CYLINDERS**

Angling Cylinders

Quantity	2	2
Stroke	6-1/2"(165mm)	6-1/2"(165mm)
Rod Diameter	1-1/2"(38mm)	1-1/2"(38mm)
Seal	Polyurethane and Buna-N Double Lip Seals	Polyurethane and Buna-N Double Lip Seals

Lift Cylinders

Quantity	1	1
Type	Direct Acting, Pull Type	Direct Acting, Pull Type
Stroke	10"(254mm)	10"(254mm)
Rod Diameter	1.125"(28.6mm)	1.125"(28.6mm)
Piston Diameter	1.750"(44.5mm)	1.750"(44.5mm)
Seal	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	2 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) 3 100 Mesh Filter Screens

**QUICK HITCH SYSTEM**

Undercarriage System	RT3	RT3
Hitch System	SmartHitch 2™	SmartHitch 2™

**MISCELLANEOUS**

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

393 lb (178kg) / 367 lb (166kg) / 393 lb (178kg)	440 lb (200 kg) / 416 lb (188 kg) / 440 lb (200 kg)
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**WARRANTY**

Limited 2 year Parts and Labor	Limited 2 year Parts and Labor
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\* Plow weight does not include mount weight. Vehicle mount weight range: 45-75 lb.

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