



**RT3 HTX V  
SPECIFICATIONS**

**7'6"  
HTX V**

**MOLDBOARD**

Moldboard Width (Straight)	90" (229 cm)
Moldboard Width (Vee)	81" (206 cm)
Moldboard Width (Scoop)	74" (188 cm)
Moldboard Thickness	14 Gauge Steel
Moldboard Height	32" (81 cm) at end 25" (63 cm) at center
Cutting Edge (High Performance Steel)	3/8"(9.5mm) x 6"(152.4mm)
Integrated Curb Guard	
Cutting Edge Bolts	8 @ 1/2-13 x 1-3/4, Gr 5, Black
Cutting Edge Angle	60°
Reinforcement Ribs	4 Vertical, 2 Diag
Box Section Reinforcements	2
Blade Hinge Bushings (O.D. / I.D.)	1-5/8" (41.275mm) / .810"(20.574mm)
Snowfoil	Optional

**CENTER HINGE ASSEMBLY**

Thickness of Assembly	Formed 7 gauge steel
Horizontal Hinge Pin	1"(25.4mm)
Vertical Hinge Pin	3/4"(19mm)

**PUSH FRAME**

Material	1/4"(6.3mm) High Strength Steel
Horizontal Mounting Pins	3/4"(19mm)

**TRIP MECHANISM**

Trip Method	Full Moldboard
Trip Springs	2
Trip Spring Type	0.375"(9.5mm) Hooked Ext. Spring
Trip Spring Adjustment	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):	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  
Lift  
Lower

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

### POWER UNIT

Construction  
Mounting  
Reservoir Capacity  
Pump Type  
Flow Rate  
Motor  
Amp Draw  
Relief Setting  
Filtration

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

### CYLINDERS

Angling Cylinders  
Quantity  
Stroke  
Rod Diameter  
Seal  
Lift Cylinders  
Quantity  
Type  
Stroke  
Rod Diameter  
Piston Diameter  
Seal

SmartLock™  
2  
8 1/4"(209.5mm)  
1-1/2"(38mm)  
Polyurethane and Buna-N Double Lip Seals  
1  
Direct Acting,Pull Type  
10"(254mm)  
1.125"(28.6mm)  
1.750"(44.4mm)  
Polyurethane and Buna-N Double Lip Seals

### VALVE MANIFOLD

Type  
Material  
Valves

Remote Mounted, Cartridge Valve Manifold  
Anodized 6061 Marine Grade Aluminum  
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  
Hitch System

RT3  
SmartHitch 2™

### MISCELLANEOUS

Blade Adjustable Plow Shoe

Optional Cast Iron Wear Pad with 1" Steel Rod.

### PLOW WEIGHT\*

490 lbs. (222 kg)

### 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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