



**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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11/22/19 MM