



**RT3 POWER-V XT
SPECIFICATIONS**

	7'6" Steel Power-V XT	8'2" Steel / Poly / Stainless Power-V XT	9'2" Steel / Poly / Stainless Power-V XT
MOLDBOARD			
Moldboard Width (Straight)	90" (229 cm)	98" (249 cm)	110" (279 cm)
Moldboard Width (Vee)	81" (206 cm)	88" (224 cm)	99" (252 cm)
Moldboard Width (Scoop)	74" (188 cm)	81" (206 cm)	92" (241 cm)
Moldboard Thickness	14 Gauge High Strength	11 Gauge / 3/8" Poly / 12 Gauge 304 Stainless	11 Gauge / 3/8" Poly / 12 Gauge 304 Stainless
Moldboard Height	36" (91 cm) at end, 30" (76 cm) at center.	37" (94 cm) at end, 30" (76 cm) at center.	38" (96.52 cm) at end, 30" (76 cm) at center.
Cutting Edge (High Performance Steel)			
Integrated Curb Guard	1/2"(12.7mm) x 6"(152.4mm)	1/2"(12.7mm) x 6"(152.4mm)	1/2"(12.7mm) x 6"(152.4mm)
Cutting Edge Bolts	4 @ 5/8"(15.9mm)	4 @ 5/8"(15.9mm)	5 @ 5/8"(15.9mm)
Cutting Edge Angle	60°	60°	60°
Reinforcement Ribs	6 Vertical + 2 Diag	6 Vertical + 2 Diagonal	8 Vertical + 2 Diagonal
Box Section Reinforcements	2	2	4
Blade Hinge Bushings (O.D. / I.D.)	2"(50.8mm) / 1"(25.4mm)	2"(50.8mm) / 1"(25.4mm)	2"(50.8mm) / 1"(25.4mm)
Snowfoil	Optional	Optional	Optional
CENTER HINGE ASSEMBLY			
Thickness of Assembly	1/4"(6.3mm) Formed	1/4"(6.3mm) Formed	1/4"(6.3mm) Formed
Center Hinge Pin Diameter	1-1/4"(31.7mm)	1-1/4"(31.7mm)	1-1/4"(31.7mm)
Hinge Bushings (O.D. / I.D.)	2"(50.8mm) / 1"(25.4mm)	2"(50.8mm) / 1"(25.4mm)	2"(50.8mm) / 1"(25.4mm)
PUSH FRAME			
Material	1/4"(6.3mm) High Strength Steel	1/4"(6.3mm) High Strength Steel	1/4"(6.3mm) High Strength Steel
Horizontal Mounting Pins	1"(25.4mm)	1"(25.4mm)	1"(25.4mm)
TRIP MECHANISM			
Trip Method	Full Moldboard	Full Moldboard	Full Moldboard
Trip Springs	4	4	4
Trip-Edge Springs	NA	NA	NA
Trip Spring Type	0.375"(9.5mm) Hooked Extension Spring	0.375"(9.5mm) Hooked Extension Spring	0.375"(9.5mm) Hooked Extension Spring
Trip-Edge Type	NA	NA	NA
Trip Spring Adjustment	Spade Bolt	Spade Bolt	Spade Bolt
Trip-Edge Spring Adjustment	NA	NA	NA
LIGHTING			
Bulbs		SL3 L.E.D. with Ice Shield Technology	
Lens Material		Fully Sealed L.E.D. Lighting	
Housin 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		3-1/2 Seconds at Full Pressure	
Lift		2 Seconds at Full Pressure	
Lower		Fully Adjustable Flow Control Valve (Integral with Valve Assembly)	
POWER UNIT			
Construction		Heavy Duty, Cast Iron Pump Housing	
Mounting		Plow Mounted with Enclosure Cover	
Reservoir Capacity		2 Quart	
Pump 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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CYLINDERS			
Angling Cylinders	SmartLock™	SmartLock™	SmartLock™
Quantity		2	
Stroke		10"(254 mm)	
Rod Diameter	1-1/2"(38 mm)	1-1/2"(38 mm)	1-1/2"(38 mm)
Seal		Polyurethane and Buna-N Double Lip Seals	
Lift Cylinders			
Quantity	1	1	1
Type	Direct Acting, Pull Type	Direct Acting, Pull Type	Direct Acting, Pull Type
Stroke	10"(254 mm)	10"(254 mm)	10"(254 mm)
Rod Diameter	1.125"(28.6mm)	1.125"(28.6mm)	1.125"(28.6mm)
Piston Diameter	1.75"(44.4mm)	1.75"(44.4mm)	1.75"(44.4mm)
Seal		Polyurethane and Buna-N Double Lip Seals	
VALVE MANIFOLD			
Type		Remote Mounted, Cartridge Valve Manifold	
Material		Anodized 6061 Marine Grade Aluminum	
Valves		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	RT3	RT3	RT3
Hitch System	SmartHitch 2™	SmartHitch 2™	SmartHitch 2™
MISCELLANEOUS			
Blade Adjustable Plow Shoe		Optional Cast Iron Wear Pad with 1" Steel Rod.	
PLOW WEIGHT*			
	713 lb (323 kg)	785 lb (356 kg) / 795 lb (361 kg) / 823 lb (374 kg)	842 lb (382 kg) / 852 lb (387 kg) / 882 lb (400 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