



**RT3 Power-V DXT
SPECIFICATIONS**

	8'2" Steel / Poly / Stainless Power-V DXT	9'2" Steel / Poly / Stainless Power-V DXT	10' Power-V DXT
MOLDBOARD			
Moldboard Width (Straight)	98" (249 cm)	110" (279 cm)	120" (304cm)
Moldboard Width (Vee)	88" (224 cm)	99" (251 cm)	107" (272 cm)
Moldboard Width (Scoop)	81" (206 cm)	92" (234 cm)	102" (259 cm)
Moldboard Width @ 30 Degree Angle	85" (216 cm)	95" (241 cm)	104" (264 cm)
Moldboard Thickness	11 Gauge Steel/ 3/8" Poly / 14-ga 304 Stainless Steel	11 Gauge Steel/ 3/8" Poly / 14-ga 304 Stainless Steel	11 Gauge Steel
Moldboard Height	30" (76 cm) at center, 37-1/2" (95 cm) at ends	30" (76 cm) at center, 38-1/2" (98 cm) at ends	35" (88 cm) at center, 45" (114 cm) at ends
Cutting Edge (Optional)	* 1/2" x 6" (1.3 cm x 15 cm) Hardox®	* 1/2" x 6" (1.3 cm x 15 cm) Hardox®	* 1/2" x 6" (1.3 cm x 15 cm) Hardox®
Cutting Edge Bolts (Optional)	4 @ 5/8"(15.9mm)	5 @ 5/8"(15.9mm)	10 @ 3/4"(19mm)-10 x 2-1/2"(63.5mm) GR5
Cutting Edge Angle	70°	70°	70°
Reinforcement Ribs	6 Vertical, 2 Diagonal	8 Vertical, 2 Diagonal	8 Vertical, 2 Diagonal
Box Section Reinforcements	4	6	6
Blade Hinge Bushings (O.D. / I.D.)	2"(50.8mm) / 1"(25.4mm)	2"(50.8mm) / 1"(25.4mm)	2-1/2"(63.5mm) / 1-1/2"(38.1mm)
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)	1-1/2"(38.1mm)
Hinge Bushings (O.D. / I.D.)	2"(50.8mm) / 1"(25.4mm)	2"(50.8mm) / 1"(25.4mm)	2-1/2"(63.5mm) / 1-1/2"(38.1mm)
PUSH FRAME			
Material	1/4"(6.3mm) High Strength Steel	1/4"(6.3mm) High Strength Steel	3/8"(9.5mm) High Strength Steel
Horizontal Mounting Pins	1"(25.4mm)	1"(25.4mm)	1-1/2"(38.1mm)
TRIP MECHANISM			
	Trip-Edge & Full Moldboard Trip	Trip-Edge & Full Moldboard Trip	Trip-Edge & Full Moldboard Trip
Trip Springs (Trip-Edge)	3 Torsion Springs (per blade half)	3 Torsion Springs (per blade half)	3 Torsion Springs (per blade half)
Trip Springs (Moldboard)	4 Extension Springs, .375"(9.5mm) hooked	4 Extension Springs, .375"(9.5mm) hooked	4 Extension Springs, .468"(11.9mm) hooked
Trip Spring Adjustment (Trip-Edge)	Pre-set	Pre-set	Pre-set
Trip Spring Adjustment (Moldboard)	Spade Bolt	Spade Bolt	Spade Bolt
LIGHTING			
Bulbs		SL3 L.E.D. with Ice Shield Technology	
Lens Material		Fully Sealed L.E.D. Lighting	
Housin Material		Polycarbonate	
Dimensions		Xenon	
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 Control (optional):		8 position Joystick with Handle Mounted Raise/Lower/Detented Float Rocker Switch Fully Independent Function Control	
Pistol Grip Control (optional):		Thumb operated multi position joystick for blade angle functions. Raise/Lower operated by two forward switches on controller. Controller operates Straight or V plows.	
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 Pump Housing	
Mounting		Plow Mounted with Enclosure Cover	
Reservoir Capacity	2 Quart	2 Quart	3 Quart
Pump Type		Fixed Displacement Gear Pump, 5/16" Wide gear Face (.162 cu.in/rev)	
Flow Rate		1.54 GPM @ 2000 PSI	
Motor		12 VDC High Torque Motor	
Amp Draw		244 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	2	2
Stroke	10"(254 mm)	10"(254 mm)	10"(254 mm)
Rod Diameter	1-1/2"(38 mm)	1-1/2"(38 mm)	2"(50.8mm)
Piston Diameter	1.750"	1.750"	2.250"(57.1mm)
Seal	Polyurethane and Buna-N Double Lip Seals		
Lift Cylinders			
Quantity	1	1	1
Type	Direct Acting, Pull Type	Direct Acting, Pull Type	Double Acting, Pull Type
Stroke	10"(254 mm)	10"(254 mm)	12"(304.8mm)
Rod Diameter	1.125"(28.6mm)	1.125"(28.6mm)	1.125"(28.6mm)
Piston Diameter	1.75"(44.4mm)	1.75"(44.4mm)	2.250"(57.1mm)
Seal	Polyurethane and Buna-N Double Lip Seals		
VALVE MANIFOLD			
Type	Remote Mounted, Cartridge Valve Manifold		
Material	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	Optional	Optional
PLOW WEIGHT*			
	868 lbs (394 kg) / 878 lbs (398 kg) / 920 lbs (417 kg)	925 lbs (420 kg) / 935 lbs (424 kg) / 977 lbs (433 kg)	1205 lbs (547 kg)

WARRANTY

* Plow weight does not include mount weight. Vehicle mount weight range: 75-105 lb.

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11/22/19 MM