



**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 / 12-ga 304 Stainless Steel	11 Gauge Steel / 3/8" Poly / 12-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)	8 @ 5/8"-11 x 2" GR5	10 @ 5/8"-11 x 2" GR5	10 @ 3/4"-10 x 2-1/2" GR5
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" / 1"	2" / 1"	2-1/2" / 1-1/2"
Snowfoil	Optional	Optional	Optional

**CENTER HINGE ASSEMBLY**

Thickness of Assembly	1/4" Formed	1/4" Formed	1/4" Formed
Center Hinge Pin Diameter	1-1/4"	1-1/4"	1-1/2"
Hinge Bushings (O.D. / I.D.)	2" / 1"	2" / 1"	2-1/2" / 1-1/2"

**PUSH FRAME**

Material	1/4" High Strength Steel	1/4" High Strength Steel	3/8" High Strength Steel
Horizontal Mounting Pins	1"	1"	1-1/2"

**TRIP MECHANISM**

Trip Springs (Trip-Edge)	Trip-Edge & Full Moldboard Trip 3 Torsion Springs (per blade half)	Trip-Edge & Full Moldboard Trip 3 Torsion Springs (per blade half)	Trip-Edge & Full Moldboard Trip 3 Torsion Springs (per blade half)
Trip Springs (Moldboard)	4 Extension Springs, .375" hooked	4 Extension Springs, .375" hooked	4 Extension Springs, .468" hooked
Trip Spring Adjustment (Trip-Edge)	Pre-set	Pre-set	Pre-set
Trip Spring Adjustment (Moldboard)	Spade Bolt	Spade Bolt	Spade Bolt

**LIGHTING**

Material	Smartlight 2™ Dual Halogen bulb with Turn/Park lamp integrated into headlight housing
Dimensions	Polycarbonate lens, Nylon housing 15-1/2" Wide x 7" High x 6-1/2" Deep
Mounting	Fully adjustable 5 bolt retaining clamp
Bulbs	Halogen, Replacement Bulb:H9 (High Beam) / HIR2 (Low Beam) 65 Watts @ 12VDC (High Beam), 55 Watts @ 12VDC (low Beam) Meets SAE and FMVSS 108 Specifications

**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	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"	10"	10"
Rod Diameter	1-1/2"	1-1/2"	2"
Piston Diameter	1.750"	1.750"	2.250"
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"	10"	12"
Rod Diameter	1.125"	1.125"	1.125"
Piston Diameter	2"	2"	2.25"
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
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**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)
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**WARRANTY**

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

Northern Star Industries, Inc. reserves the right under its product improvement policy to change construction or design details and furnish equipment when so altered without reference to illustrations or specifications used herein.

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