



**POWER-V XT
SPECIFICATIONS**

	7'6" Power-V XT	8'2" Power-V XT	9'2" Power-V XT	8'2" Poly Power-V XT
MOLDBOARD				
Moldboard Width (Straight)	90" (229 cm)	98" (249 cm)	110" (279 cm)	98" (249 cm)
Moldboard Width (Vee)	81" (206 cm)	88" (224 cm)	99" (252 cm)	88" (224 cm)
Moldboard Width (Scoop)	74" (188 cm)	81" (206 cm)	92" (241 cm)	81" (206 cm)
Moldboard Thickness	14 Gauge High Strength	11 Gauge	11 Gauge	3/8"
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.	37" (94 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)	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)	4 @ 5/8"(15.9mm)
Cutting Edge Angle	60°	60°	60°	60°
Reinforcement Ribs	6 Vertical + 2 Diagonal	6 Vertical + 2 Diagonal	8 Vertical + 2 Diagonal	6 Vertical + 2 Diagonal
Box Section Reinforcements	2	2	4	2
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)	2"(50.8mm) / 1"(25.4mm)
Snowfoil	Optional	Optional	Optional	Optional
CENTER HINGE ASSEMBLY				
Thickness of Assembly	1/4"(6.3mm) Formed	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)	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)	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	1/4"(6.3mm) High Strength Steel
Horizontal Mounting Pins	1"(25.4mm)	1"(25.4mm)	1"(25.4mm)	1"(25.4mm)
TRIP MECHANISM				
Trip Method	Full Moldboard	Full Moldboard	Full Moldboard	Full Moldboard
Trip Springs	4	4	4	4
Trip-Edge Springs	NA	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	0.375"(9.5mm) Hooked Extension Spring
Trip-Edge Type	NA	NA	NA	NA
Trip Spring Adjustment	Spade Bolt	Spade Bolt	Spade Bolt	Spade Bolt
Trip-Edge Spring Adjustment	NA	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/Delented 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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	7'6" Power-V XT	8'2" Power-V XT	9'2" Power-V XT	8'2" Poly Power-V XT
CYLINDERS				
Angling Cylinders	SmartLock™	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)	1-1/2"(38 mm)
Seal			Polyurethane and Buna-N Double Lip Seals	
Lift Cylinders				
Quantity	1	1	1	1
Type	Direct Acting, Pull Type	Direct Acting, Pull Type	Direct Acting, Pull Type	Direct Acting, Pull Type
Stroke	10"(254 mm)	10"(254 mm)	10"(254 mm)	10"(254 mm)
Rod Diameter	1.125"(28.6mm)	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)	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	RT3
Hitch System	SmartHitch 2™	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)	842 lb (382 kg)	795 lb (361 kg)
WARRANTY			Limited 2 year Parts and Labor	

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

BOSS Products, a division of The Toro Company, 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 use

9'2"

Poly Power-V XT

110" (279 cm)

99" (252 cm)

92" (241 cm)

3/8"

38" (96.52 cm) at end, 30" (76 cm) at center.

1/2"(12.7mm) x 6"(152.4mm)

5 @ 5/8"(15.9mm)

60°

8 Vertical + 2 Diagonal

4

2"(50.8mm) / 1"(25.4mm)

Optional

1/4"(6.3mm) Formed

1-1/4"(31.7mm)

2"(50.8mm) / 1"(25.4mm)

1/4"(6.3mm) High Strength Steel

1"(25.4mm)

Full Moldboard

4

NA

0.375"(9.5mm) Hooked Extension Spring

NA

Spade Bolt

NA

9'2"
Poly Power-V XT

SmartLock™

1-1/2" (38 mm)

1
Direct Acting, Pull Type
10" (254 mm)
1.125" (28.6mm)
1.75" (44.4mm)

RT3
SmartHitch 2™

852 lb (387 kg)

d herein.

4/22/2015 GP