



RT3 UTV
SPECIFICATIONS

	6'6" POWER-V XT	6' POLY STRAIGHT	5' (Mid-Sized UTV) POLY STRAIGHT	5'6" (Mid-Sized UTV) POWER-V XT
MOLDBOARD				
Moldboard Width - Straight	78" (198 cm)	72" (183 cm)	60" (152.40 cm)	66" (167.64 cm)
Moldboard Width - @ 30° angle	72-3/8" (184 cm)	62-1/2" (159 cm)	52" (132.08 cm)	57 1/8" (145.10 cm)
Moldboard Width - Vee	68-3/4" (175 cm)	NA	NA	58 1/2" (148.59 cm)
Moldboard Width - Scoop	66-3/4" (167 cm)	NA	NA	57 1/8" (141.76 cm)
Moldboard Height	25" Inside to 30-1/2" Outside (64 cm to 77 cm)	24-1/2" (62 cm)	22" (55.88 cm)	18 3/8" (47 cm) inside to 23 3/16 (59 cm) outside
Moldboard Material	1/4 Gauge Steel	1/4" (.64 cm) HMW Polyethylene with UV Stabilizer	1/8" (.032 cm) HMW Polyethylene with UV Stabilizer	1/4 Gauge Steel
Vertical Support Ribs	6	4	4	4
Cutting Edge	1/4" x 5" High Performance (.64 cm x 13 cm)	1/4" x 4", 1080 Steel (.64 cm x 10 cm)	1/4" x 4" AR 400, Reversible (.64 cm x 10.16 cm)	1/4" x 4" (.64 cm x 10.16 cm), AR 400, Integrated Curb Guard
Flow Shoes	Optional	Optional	NA	NA
Snowfoal	Optional	Optional	Optional	Optional
PUSH FRAME ATTACHMENT BAR				
Super Structure	NA	Formed Square Tubing .316" (4.77mm) X 1-1/2" (38.1mm)	Formed Square Tubing 1-1/2" (38.1mm) x 1-1/2" (38.1mm) x 12 GA wall	Formed Square Tubing 1-1/2" (38.1mm) x 1-1/2" (38.1mm) x 12 GA wall
Cross Bracing	NA	4-1/4" (107.3mm) x 2-5/8" (66.7mm) x 3/16" (4.8mm) Plate	NA	4-1/4" (108mm) x 2-5/8" (66.7) x 3/16" (4.8mm) Plate
Moldboard Attachment Pins	NA	5/8" (15.9mm)-11 X 4" (101.6mm) GR5, QTY 2	5/8" (15.9mm)-11 X 3-1/2" (88.9mm) GR5, QTY 2	5/8" (15.9mm)-11 x 4" (101.6mm) GR5, Qty 4
Angle Pivot Pin Diameter	NA	5/8" (15.9mm)-11 X 4" (101.6mm) GR5, QTY 1	5/8" (15.9mm)-11 X 4" (101.6mm) GR5, QTY 1	5/8" (15.9mm)-11 x 4" (101.6mm) GR5, Qty 1
CENTER SECTION				
Super Structure	Formed 7 Gauge Steel	NA	NA	3/16" High Strength Steel Plate
Back Bracing	7 Gauge Steel	NA	NA	3/16" High Strength Steel Plate
Top Plate	5/16" (7.9mm) Plate	NA	NA	3/16" High Strength Steel Plate
Bottom Plate	3/8" (9.5mm) Plate	NA	NA	3/16" High Strength Steel Plate
Vertical Pivot Pin Diameter	3/4" (19mm)	NA	NA	3/4" (19mm)
Horizontal Pivot Pin Diameter	1" (25.4mm)	NA	NA	1" (25.4mm)
PUSH FRAME				
Super Structure	4" (101.6mm) x 2" (50.8mm) x 3/16" (4.8mm) Rect. Tubing	3/16" (4.8mm) Plate	3/16" (4.8mm) Plate	4" (101.6mm) x 2" (50.8mm) x 3/16" (4.8mm) Wall Tubing
Cross Bracing	5/16" (7.9mm) Plate	3/16" (4.8mm) Plate	3/16" (4.8mm) Plate	3/16" (4.8mm) and 1/4" (6.3mm) Plate
Coupler Pivot Pin	3/4" (19mm) dia. x 2" (50.8mm)	3/4" (19mm) dia. x 2" (50.8mm)	3/4" (19mm) dia. x 2" (50.8mm)	3/4" (19mm) x 8-5/8" (219mm)
TRIP MECHANISM				
Trip Method	Full Moldboard	Full Moldboard	Full Moldboard	Full Moldboard
Trip Springs	2	2	2	2
Trip Spring Type	0.375" (9.5mm) Hooked Extension Spring	0.375" (9.5mm) Hooked Extension Spring	0.375" (9.5mm) Hooked Extension Spring	0.331" (8.4mm) Hooked Extension Spring
Trip Spring Adjustment	Spade Bolt	Spade Bolt	Spade Bolt	Spade Bolt
CONTROLS				
SmartTouch 2™ Hand Held Control	5 Soft Touch Illuminated buttons - Automatic Float	3 Soft Touch Illuminated buttons - Automatic Float	3 Soft Touch Illuminated buttons - Automatic Float	5 Soft Touch Illuminated buttons - Automatic Float
Switchbox Control			Handle Bar Mounted Switch Box - Automatic float	
HYDRAULIC SYSTEM PERFORMANCE				
Angling	3-1/2 Seconds at Full Pressure	3-1/2 Seconds at Full Pressure	3-1/2 Seconds at Full Pressure	3-1/2 Seconds at Full Pressure
Lift	2 Seconds at Full Pressure	2 Seconds at Full Pressure	2 Seconds at Full Pressure	2 Seconds at Full Pressure
Lower	Pre-set Flow Control	Pre-set Flow Control	Pre-set Flow Control	Pre-set Flow Control
POWER UNIT				
Construction	Cast Aluminum Pump Housing	Cast Aluminum Pump Housing	Heavy Duty Aluminum Pump Housing w/Integrated Valve Manifold	Heavy Duty Aluminum Pump Housing w/Integrated Valve Manifold
Mounting	Plow Mounted with Enclosure Cover	Plow Mounted with Enclosure Cover	Plow Mounted with Enclosure Cover	Plow Mounted with Enclosure Cover
Reservoir Capacity	2 Quart	2 Quart	1 Quart	1 Quart
Type	Fixed Displacement Gear Pump, 1/8" Wide Gear Face (.065 cu.in/rev)	Fixed Displacement Gear Pump, 1/8" Wide Gear Face (.065 cu.in/rev)	Fixed Displacement Gear Pump	Fixed Displacement Gear Pump
Flow Rate	.85 GPM (3.2 LITER/MIN) @ 1500 PSI	.85 GPM (3.2 LITER/MIN) @ 1500 PSI	12 VDC High Torque Motor	12 VDC High Torque Motor
Motor	12 VDC High Torque Motor	12 VDC High Torque Motor	12 VDC High Torque Motor	12 VDC High Torque Motor
Amp Draw	125 Amps, 12 VDC, @ 1500 PSI	125 Amps, 12 VDC, @ 1500 PSI	65 Amps, 12 VDC, @ 1200 PSI	65 Amps, 12 VDC, @ 1200 PSI
Relief Setting	2000 PSI Full Bypass Relief	2000 PSI Full Bypass Relief	1200 PSI Full Bypass Relief	1200 PSI Full Bypass Relief
Filtration	100 Mesh Screen on Inlet and Exhaust Tubes	100 Mesh Screen on Inlet and Exhaust Tubes	100 Mesh Screen on Inlet and Exhaust Tubes	100 Mesh Screen on Inlet and Exhaust Tubes
CYLINDERS				
Angling Cylinders	2	2	1 Double Acting	2 Double Acting
Quantity	2	2	1 Double Acting	2 Double Acting
Stroke	8-1/4" (209.5mm)	6-1/4" (158.7mm)	6-1/4" (158.7mm)	6-1/4" (158.7mm)
Rod Diameter	1-1/4" (31.7mm)	1-1/4" (31.7mm)	1-1/8" (27.7mm)	1-1/8" (27.7mm)
Piston Diameter	1-1/2" (38.1mm)	1-1/2" (38.1mm)	1-1/2" (38.1mm)	1-1/2" (38.1mm)
Seal	Polyurethane and Buna-N Double Lip Seals	Polyurethane and Buna-N Double Lip Seals	Polyurethane and Buna-N Double Lip Seals	Polyurethane and Buna-N Double Lip Seals
Lift Cylinders	1	1	1	1
Quantity	1	1	1	1
Type	Direct Acting, Pull Type	Direct Acting, Pull Type	Single Acting, Pull Type	Single Acting, Pull Type
Stroke	10" (254 mm)	10" (254 mm)	4-1/2" (114.3mm)	4-1/2" (114.3mm)
Rod Diameter	1.125" (28.6mm)	1.125" (28.6mm)	1" (25.4mm)	1" (25.4mm)
Piston Diameter	1.75" (44.4mm)	1.75" (44.4mm)	1-3/4" (44.4mm)	1-3/4" (44.4mm)
Seal	Polyurethane and Buna-N Double Lip Seals	Polyurethane and Buna-N Double Lip Seals	Polyurethane and Buna-N Double Lip Seals	Polyurethane and Buna-N Double Lip Seals
VALVE MANIFOLD				
Type	Remote Mounted, Cartridge Valve Manifold	Remote Mounted, Cartridge Valve Manifold	Cartridge Valve Manifold	Cartridge Valve Manifold
Material	Blue Anodized 6061 Marine Grade Aluminum	Blue Anodized 6061 Marine Grade Aluminum	6061 Marine Grade Aluminum	6061 Marine Grade Aluminum
Valves	6 Solenoid-Operated, 2-Way, Piloted Poppet Control Valves	2 Solenoid-Operated, 2-Way, Piloted Poppet Control Valves	2 Solenoid-Operated, 2-Way, Piloted Poppet Control Valves	2 Solenoid-Operated, 2-Way, Piloted Poppet Control Valves
Relief Valves	2 Relief Valves (2800 PSI Setting)	1 Solenoid-Operated, 4-Way, 3-Position Spool Control Valve 1 Cross-over Relief Valve (3800 PSI Setting)	1 Solenoid-Operated, 4-Way, 3-Position Spool Control Valve Dual Relief Valves 1250, 2500 PSI	2 Solenoid-Operated 4-Way, 3-Position Regenerative Spool Control Valve Dual Relief Valves 1250, 2500 PSI
QUICK HITCH SYSTEM				
Undercarriage System	RT3	RT3	Low profile / Trail Compatible	Low profile / Trail Compatible
Hitch System	SmartHitch 2™ Optional	SmartHitch 2™ Optional	Manual Attach	Manual Attach
MISCELLANEOUS				
Blade adjustable plow shoes	Optional Cast Iron Wear Pad with 1" Steel Rod.	Optional Cast Iron Wear Pad with 1" Steel Rod.	NA	Optional 2" (50.8mm) Diameter wear pad with 3/8" (9.5mm) steel rod
Snow Deflector	Rubber belting.	Rubber belting.	Rubber belting.	Rubber belting.
PLOW WEIGHT*				
	400 lbs (181 kg)	314 lbs (142 kg)	190 lbs (86 kg)	245 lbs (111 kg)
WARRANTY				
	Limited 2 year Parts and Labor	Limited 2 year Parts and Labor	Limited 2 year Parts and Labor	Limited 2 year Parts and Labor

* Includes mount.

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 used herein.

12/01/2017 TS