



**RT3 TRIP-EDGE PLOW  
SPECIFICATIONS**

	7'6" Steel SUPER-DUTY	8'0" Steel SUPER-DUTY	9'0" Steel SUPER-DUTY	7'6" Stainless SUPER-DUTY	8'0" Stainless SUPER-DUTY	9'0" Stainless SUPER-DUTY
<b>MOLDBOARD</b>						
Moldboard Width (Straight)	90" (229 cm)	96" (244 cm)	108" (274 cm)	90" (229 cm)	96" (244 cm)	108" (274 cm)
Plowing Width @ 30 Deg. Angle	78" (198 cm)	83" (211 cm)	93-1/2" (238 cm)	78" (198 cm)	83" (211 cm)	93-1/2" (238 cm)
Moldboard Height	31" (79 cm)	31" (79 cm)	31" (79 cm)	31" (79 cm)	31" (79 cm)	31" (79 cm)
Moldboard Thickness	11 Gauge	11 Gauge	11 Gauge	14 ga 304 Stainless	14 ga 304 Stainless	14 ga 304 Stainless
Base Angle	1/2 X 3 1/2 X 3 1/2 (1.3 cm x 9 cm x 9 cm)	1/2 X 3 1/2 X 3 1/2 (1.3 cm x 9 cm x 9 cm)	1/2 X 3 1/2 X 3 1/2 (1.3 cm x 9 cm x 9 cm)	1/2 X 3 1/2 X 3 1/2 (1.3 cm x 9 cm x 9 cm)	1/2 X 3 1/2 X 3 1/2 (1.3 cm x 9 cm x 9 cm)	1/2 X 3 1/2 X 3 1/2 (1.3 cm x 9 cm x 9 cm)
Approach Angle	70°	70°	70°	70°	70°	70°
Cutting Edge (Standard)	1/2" x 6" (1.3 cm x 15 cm)	1/2" x 6" (1.3 cm x 15 cm)	1/2" x 6" (1.3 cm x 15 cm)	1/2" x 6" (1.3 cm x 15 cm)	1/2" x 6" (1.3 cm x 15 cm)	1/2" x 6" (1.3 cm x 15 cm)
Reinforcement Ribs	6 Vertical, 2 Diagonal	6 Vertical, 2 Diagonal	8 Vertical, 2 Diagonal	6 Vertical, 2 Diagonal	6 Vertical, 2 Diagonal	8 Vertical, 2 Diagonal
Snowfoam	Optional	Optional	Optional	Optional	Optional	Optional
Curb Guards	Optional	Optional	Optional	Optional	Optional	Optional
Blade Extensions	Optional	Optional	Optional	Optional	Optional	Optional
<b>PUSH FRAME ATTACHMENT BAR</b>						
Moldboard Attachment Pins	3/4"(19mm) GR5, QTY 10	3/4"(19mm) GR5, QTY 10	3/4"(19mm) GR5, QTY 10	3/4"(19mm) GR5, QTY 10	3/4"(19mm) GR5, QTY 10	3/4"(19mm) GR5, QTY 10
Pivot Pin Diameter	1"(25.4mm) GR5	1"(25.4mm) GR5	1"(25.4mm) GR5	1"(25.4mm) GR5	1"(25.4mm) GR5	1"(25.4mm) GR5
Pivot Pin 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)	2"(50.8mm) / 1"(25.4mm)	2"(50.8mm) / 1"(25.4mm)
Sector Beam	2"(50.8mm) x 4"(101.6mm) x 1/4"(6.3mm)	2"(50.8mm) x 4"(101.6mm) x 1/4"(6.3mm)	2"(50.8mm) x 4"(101.6mm) x 1/4"(6.3mm)	2"(50.8mm) x 4"(101.6mm) x 1/4"(6.3mm)	2"(50.8mm) x 4"(101.6mm) x 1/4"(6.3mm)	2"(50.8mm) x 4"(101.6mm) x 1/4"(6.3mm)
<b>PUSH FRAME</b>						
Super Structure	2 1/2"(63.5mm)X 3"(76.2mm) X 3/8"(9.5mm)	Cha 2"(63.5mm)X 3"(76.2mm) X 3/8"(9.5mm)	Cha 2"(63.5mm)X 3"(76.2mm) X 3/8"(9.5mm)	Cha 2"(63.5mm)X 3"(76.2mm) X 3/8"(9.5mm)	Cha 2"(63.5mm)X 3"(76.2mm) X 3/8"(9.5mm)	Cha 2"(63.5mm)X 3"(76.2mm) X 3/8"(9.5mm)
Angle Pivot Pin Diameter	1"(25.4mm) GR5	1"(25.4mm) GR5	1"(25.4mm) GR5	1"(25.4mm) GR5	1"(25.4mm) GR5	1"(25.4mm) GR5
Pivot Pin Bushing (O.D. / I.D.)	2 3/16"(55.6mm) / 1"(25.4mm)	2 3/16"(55.6mm) / 1"(25.4mm)	2 3/16"(55.6mm) / 1"(25.4mm)	2 3/16"(55.6mm) / 1"(25.4mm)	2 3/16"(55.6mm) / 1"(25.4mm)	2 3/16"(55.6mm) / 1"(25.4mm)
<b>TRIP MECHANISM</b>						
Trip Method	Trip-Edge	Trip-Edge	Trip-Edge	Trip-Edge	Trip-Edge	Trip-Edge
Trip Pivot Pin Diameter	1"(25.4mm)	1"(25.4mm)	1"(25.4mm)	1"(25.4mm)	1"(25.4mm)	1"(25.4mm)
Trip Springs	4	4	4	4	4	4
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	0.375"(9.5mm) Hooked Extension Spring	0.375"(9.5mm) Hooked Extension Spring
Trip Spring Adjustment	3/4"(19mm) GR 5 Bolt	3/4"(19mm) GR 5 Bolt	3/4"(19mm) GR 5 Bolt	3/4"(19mm) GR 5 Bolt	3/4"(19mm) GR 5 Bolt	3/4"(19mm) GR 5 Bolt
<b>LIGHTING</b>						
Bulbs	SL3 L.E.D. with Ice Shield Technology Fully Sealed L.E.D. Lighting					
Lens Material	Polycarbonate					
Housing Material	Xenon					
Dimensions	11-1/2"(292mm) Wide X 4 1/3"(110mm) High X 6"(152mm) Deep					
Mounting	Fully adjustable 5 bolt retaining clamp					
High Beam Output	850 effective lumens					
Low Beam Output	650 effective lumens					
<b>CONTROLS</b>						
SmartTouch 2™ Hand Held Cor	3 Soft Touch Illuminated Buttons - Automatic Float Fully Independent Function Control					
Joystick (optional):	4 position Joystick with Detented Float Position Fully Independent Function Control (Integral with Valve Assembly)					
<b>HYDRAULIC SYSTEM PERFORMANCE</b>						
Angling	3-1/2 Seconds at Full Pressure					
Lift	2 Seconds at Full Pressure					
Lower	Fully Adjustable Flow Control Valve					
<b>POWER UNIT</b>						
Construction	Heavy Duty, Cast Iron Pump Housing					
Mounting	Flow Mounted with Enclosure Cover					
Reservoir Capacity	2 Quart					
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					
Filteration	100 Mesh Screen on Inlet and Exhaust Tubes					
<b>CYLINDERS</b>						
Angling Cylinders	2					
Quantity	2	2	2	2	2	2
Stroke	10"(254 mm)	10"(254 mm)	10"(254 mm)	10"(254 mm)	10"(254 mm)	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)	1-1/2"(38 mm)	1-1/2"(38 mm)
Seal	Polyurethane and Buna-N Double Lip Seals					
Lift Cylinders	1					
Quantity	1	1	1	1	1	1
Type	Direct Acting, Pull Type	Direct Acting, Pull 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)	10"(254 mm)	10"(254 mm)
Rod Diameter	1.125"(28.6mm)	1.125"(28.6mm)	1.125"(28.6mm)	1.125"(28.6mm)	1.125"(28.6mm)	1.125"(28.6mm)
Piston Diameter	2"(50.8 mm)	2"(50.8 mm)	2"(50.8 mm)	2"(50.8 mm)	2"(50.8 mm)	2"(50.8 mm)
Seal	Polyurethane and Buna-N Double Lip Seals					
<b>VALVE MANIFOLD</b>						
Type	Remote Mounted, Cartridge Valve Manifold					
Material	Anodized 6061 Marine Grade Aluminum					
Valves	3 Solenoid-Operated, 2-Way, Piloted Poppet Control Valves 1 Solenoid-Operated, 4-Way, 3 Position Spool Control Valve 1 Cross-over Relief Valve (3800 PSI Setting) 4 100 Mesh Filter Screens					
<b>QUICK HITCH SYSTEM</b>						
Undercarriage System	RT3	RT3	RT3	RT3	RT3	RT3
Hitch System	SmartHitch 2™	SmartHitch 2™	SmartHitch 2™	SmartHitch 2™	SmartHitch 2™	SmartHitch 2™
<b>MISCELLANEOUS</b>						
Blade Adjustable Plow Shoe	Cast Iron Wear Pad with 1"(25.4mm) Steel Rod.	Cast Iron Wear Pad with 1"(25.4mm) Steel Rod.	Cast Iron Wear Pad with 1"(25.4mm) Steel Rod.	Cast Iron Wear Pad with 1"(25.4mm) Steel Rod.	Cast Iron Wear Pad with 1"(25.4mm) Steel Rod.	Cast Iron Wear Pad with 1"(25.4mm) Steel Rod.
<b>PLOW WEIGHT*</b>						
	772 lb (350 kg)	788 lb (357 kg)	828 lb (376 kg)	831 lb (377 kg)	849 lb (385 kg)	897 lb (407 kg)
<b>WARRANTY</b>						
	Limited 2 year Parts and Labor	Limited 2 year Parts and Labor	Limited 2 year Parts and Labor	Limited 2 year Parts and Labor	Limited 2 year Parts and Labor	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 used herein.