



High

Low

Specifications

Model	Description
• TR50XTP	5" Lawn pop-up
• TR50XTPE	5" Lawn pop-up, Effluent
• TR50XTS	Shrub
• TR50XTSE	Shrub, Effluent
• TR50XTHP	12" High-pop
• TR50XTHPE	12" High-pop, Effluent

With Stainless Steel Riser

Model	Description
• TR50XTPSS	5" Lawn pop-up w/Stainless Steel Riser
• TR50XTPSSE	5" Lawn pop-up w/Stainless Steel Riser, Effluent

Dimensions

- Body Diameter:
 - Lawn Pop-up: 2 3/8"
 - High-pop: 2 1/2"
- Cap Diameter: 3"
- Height:
 - Lawn Pop-up: 8"
 - High-Pop: 15 7/8"

Operating Specifications

- Radius: 20' – 47'
- Flow Rate: 1.0– 9.80 GPM
- Recommended Operating Pressure Range: 30-70 psi (maximum-75 psi)
- Pop-up to nozzle: 4 3/4"
- Inlet: 3/4" female-threaded
 - 1/2" to 3/4" female-threaded on shrub
- 1/2" below grade installation (except shrub model)

Additional Features

- Cluster, water-lubricated, gear-drive design
- Standard rubber cover
- Large filter screen to prevent clogging
- Factory installed with a #3.0 nozzle
- Left arc indicator on cap (arrow) and on body (hash mark), and right trip indicator on black adjusting band
- Dry mode pull-up slot for convenience
- Arc adjustment from 30°-360°
- Continuous, unidirectional rotation provides uniform water coverage when set at full circle
- Color-coded nozzle tree with 8 interchangeable nozzles
- Stainless steel radius adjustment screw allows up to 25% radius reduction

Warranty

- Five years

Water Management Highlight

Trajectory: Accurate Arc Adjustment without Switching the Nozzle Set

For fine-tuning nozzle trajectory, the TR50XT series offers unmatched performance. With Toro's Trajectory technology you can adjust anywhere between 5 and 25 degrees without having to change out the nozzle. There is no need to waste valuable time switching to a low angle set just to get the angle you need – it's already included. The easy-to-use design combines the fine-tuning capability that you really want with what your installation requires. Overthrows onto hardscapes are eliminated and the integrity of the stream remains intact since you are not using a diffuser screw.

TR50XT TR50XTPSS Performance Data—U.S.

Nozzle Size	psi	Flow	5°				15°				25°			
			Radius	Precip. Rate*		Radius	Precip. Rate*		Radius	Precip. Rate*				
				▲	■		▲	■		▲	■			
1.0 ● Yellow	30	1.0	20	0.28	0.24	26	0.16	0.14	30	0.12	0.11			
	40	1.1	21	0.28	0.24	27	0.18	0.15	30	0.14	0.12			
	50	1.3	22	0.30	0.26	27	0.20	0.17	31	0.15	0.13			
	60	1.4	25	0.26	0.23	28	0.20	0.17	31	0.17	0.15			
	70	1.5	25	0.29	0.25	28	0.22	0.19	31	0.18	0.16			
1.5 ● Orange	30	1.2	28	0.18	0.15	30	0.15	0.13	34	0.12	0.10			
	40	1.4	29	0.19	0.17	31	0.16	0.14	35	0.13	0.11			
	50	1.6	29	0.21	0.18	32	0.18	0.15	36	0.14	0.12			
	60	1.7	31	0.21	0.18	32	0.19	0.16	36	0.15	0.13			
	70	1.9	31	0.22	0.19	32	0.21	0.18	35	0.18	0.15			
2.0 ● Red	30	1.7	31	0.19	0.17	32	0.18	0.16	36	0.14	0.12			
	40	1.9	31	0.22	0.19	34	0.18	0.16	38	0.15	0.13			
	50	2.2	32	0.24	0.21	35	0.20	0.17	38	0.17	0.14			
	60	2.4	33	0.25	0.22	36	0.20	0.18	39	0.18	0.15			
	70	2.6	33	0.27	0.23	36	0.22	0.19	39	0.20	0.17			
3.0* ● Black	30	2.3	31	0.27	0.23	34	0.23	0.20	38	0.18	0.16			
	40	2.6	31	0.31	0.26	35	0.25	0.21	40	0.19	0.16			
	50	3.0	33	0.30	0.26	36	0.26	0.22	41	0.20	0.17			
	60	3.3	35	0.31	0.27	38	0.26	0.23	42	0.21	0.18			
	70	3.6	35	0.32	0.28	39	0.27	0.23	44	0.21	0.18			
4.5 ● Blue	30	3.6	31	0.42	0.36	34	0.35	0.30	39	0.26	0.23			
	40	4.1	32	0.44	0.38	35	0.38	0.33	40	0.28	0.24			
	50	4.6	34	0.45	0.39	37	0.39	0.33	41	0.31	0.27			
	60	5.1	35	0.48	0.41	38	0.39	0.34	42	0.32	0.28			
	70	5.6	36	0.48	0.42	39	0.41	0.35	42	0.35	0.31			
6.0 ● Green	30	4.4	31	0.51	0.44	35	0.40	0.35	41	0.29	0.25			
	40	5.0	32	0.56	0.48	37	0.42	0.36	42	0.32	0.28			
	50	5.7	35	0.53	0.46	40	0.39	0.34	43	0.34	0.30			
	60	6.3	37	0.51	0.44	40	0.45	0.39	43	0.39	0.33			
	70	6.8	38	0.54	0.47	41	0.45	0.39	45	0.38	0.33			
7.5 ● Brown	30	4.9	34	0.47	0.41	35	0.45	0.39	41	0.32	0.28			
	40	5.6	36	0.49	0.42	36	0.48	0.41	41	0.38	0.33			
	50	6.3	35	0.57	0.49	37	0.52	0.45	42	0.40	0.35			
	60	6.9	36	0.61	0.53	38	0.55	0.47	42	0.44	0.38			
	70	7.5	37	0.63	0.54	38	0.58	0.50	43	0.45	0.39			
9.0 ● Gray	30	6.1	34	0.59	0.51	34	0.59	0.51	42	0.38	0.33			
	40	7.0	35	0.64	0.55	35	0.65	0.57	42	0.44	0.38			
	50	8.0	35	0.73	0.63	37	0.65	0.56	44	0.46	0.40			
	60	8.9	35	0.80	0.70	39	0.66	0.58	45	0.50	0.43			
	70	9.8	37	0.82	0.71	40	0.68	0.59	47	0.50	0.44			

Shaded areas represent optimum operating pressure for that nozzle size. *Factory installed nozzle.

Specifying Information—TR50XT

TR50XT XX-XX-E			
Description	Body	Nozzle	Optional
TR50XT	XX	XX	E
TR50XT—TR50XT Series Rotor	P—Lawn Pop-up S—Shrub HP—High-pop PSS—Stainless Steel Riser	10—1.0 45—4.5 15—1.5 60—6.0 20—2.0 75—7.5 30—3.0 90—9.0	E—Effluent
Example: A TR50XT Series sprinkler with High-pop and a 6.0 nozzle, would be specified as: TR50XT-HP-60			