

2007 – DASH 2000 PIERCE AERIAL TOWER	2016 – ARROW XT PIERCE AERIAL TOWER	2022 – ARROW XT PIERCE AERIAL TOWER	2022 vs 2007	2022 vs 2016
67" Cab	81" Cab	67" Cab	No Change	12" Shorter Cab
HEIGHT – 11' 9" (141")	HEIGHT – 12' 2" (146")	HEIGHT – 11' (132")	9" Lower	14" Lower
LENGTH – 46' 11" (563")	LENGTH – 46' 11" (563")	LENGTH – 42' 7" (511")	52" Shorter (No bucket over front)	52" Shorter (No bucket over front)
WIDTH - 8' (96")	WIDTH – 8' (96")	WIDTH – 8' 4" (100")	4" Wider	4" Wider
TURNING ANGLE - 45 Degree	TURNING ANGLE - 45 Degrees	TURNING ANGLE - 40 Degree	5 Degree Decrease Turning Angle	5 Degree Decrease Turning Angle
WEIGHT – 7200lbs GVW 73500lbs	WEIGHT – GVW 74800lbs	WEIGHT – GVW 76640lbs	3,140lbs GVW Difference	1,840lbs GVW Difference
WHEEL BASE – 254" (21' 2")	WHEEL BASE – 268" (22' 4")	WHEEL BASE – 262" (21' 10")	8" Longer Wheel Base	6" Shorter Wheel Base
FRONT AXLE – 21500lbs Spring Axle Non-Drive Axle	FRONT AXLE – 22,800lbs TAK-4 Non-Drive Axle	FRONT AXLE – 24,000lbs TAK-4 Non-Drive Axle	Spring Axle to TAK-4	No Change
REAR AXLE – 52000lbs All-Steer Spring Axles 2-Axles	REAR AXLE – 52000lbs TAK-4 T3 2-Axles	REAR AXLE – 52,640lbs TAK-4 T3 2-Axles	Spring Axle to TAK-4	No Change
MOTOR	MOTOR	MOTOR		
ENGINE – DETROIT SERIES 60 470hp 1650lb-ft	ENGINE – DD13 500hp 1650lb-ft	ENGINE – CUMMINS X15 605hp 1850lb-ft	135hp Increase	105hp Increase
ALTERNATOR - 400AMP Niehoff C656	ALTERNATOR - 430AMP Niehoff C680-1	ALTERNATOR - 430AMP Delco Remy 55SI	400AMP to 430AMP	No Change
TRANSMISSION – 4 TH GEN 4000 EVS P 5 SPEED	TRANSMISSION – 5 TH GEN 4500 EVS P 6 SPEED	TRANSMISSION – 5 TH GEN 4500 EVS P 6 SPEED	4th Gen to 5th Gen	No Change
All-Steer Ver. II	All-Steer T-3	All-Steer T-3	No Fire Ground / Crabb	No Change
FUEL TANK - 65 Gallon	FUEL TANK - 65 Gallon Fluid 4.5 Gallons	FUEL TANK - 65 Gallon DEF Fluid 4.5 Gallon	No Change	No Change
Top speed 61 to 64 MPH	Top speed 65 MPH	Top speed 60 MPH	All units are now 60 MPH	All units are now 60 MPH
				0
GENERATOR	GENERATOR	GENERATOR		
GENERATOR - 15kw Diesel Generator	GENERATOR - 10kw Harrison Hydraulic Generator	GENERATOR - 10kw Harrison Hydraulic Generator	15kw Diesel to 10kw Hydraulic	No Change
TIRE / WHEELS / BRAKES	TIRE / WHEELS / BRAKES	TIRE / WHEELS / BRAKES		
TIRE SIZE FRONT – 425/65R22.50 20 PLY	TIRE SIZE FRONT – 425/65R22.50 20 PLY	TIRE SIZE FRONT – 445/65R22.50 20 PLY	Larger front tire	Larger front tire
TIRE SIZE REAR – 445/65R22.50 20 PLY	TIRE SIZE REAR – 445/65R22.50 20 PLY	TIRE SIZE REAR – 445/65R22.50 20 PLY	No Change	No Change
Wheels, Front, Steel 22.50" x 12.25"	Wheels, Front, 22.50" x 12.25", Steel, Hub Pilot	Wheels, Front, 22.50" x 12.25", Steel, Hub Pilot	No Change	No Change
Wheels, Rear, Steel disc 22.50" x 13.00"	Wheels, Rear, 22.50" x 13.00", Steel, Hub Pilot	Wheels, Rear, 22.50" x 13.00", Steel, Hub Pilot	No Change	No Change
Meritor, EX225, 17", Disc Plus, Front	Knorr/Bendix 17", Disc, Front	Knorr/Bendix 17", Disc, Front	No Change	No Change
Eaton, Cam, Rear, 16.50 x 7.00"	Bendix, Cam, Rear, 16.50 x 7.00"	Bendix, Cam, Rear, 16.50 x 7.00"	No Change	No Change
LADDER COMPLEMENT	LADDER COMPLEMENT	LADDER COMPLEMENT		
1QTY – 35' EXTENSION LADDER	2QTY – 35' EXTENSION LADDER	2QTY – 35' EXTENSION LADDER	No Change	No Change
2QTY – 28' EXTENSION LADDER	2QTY – 28' EXTENSION LADDER	2QTY – 28' EXTENSION LADDER	No Change	No Change
1QTY – 20' ROOF LADDER	1 QTY – 20' ROOF LADDER	1QTY – 18' ROOF LADDER	20' to 18'	20' to 18'
2QTY – 16' ROOF LADDER (ONE LOCATED ON AERIAL)	2QTY – 16' ROOF LADDER (ONE LOCATED ON AERIAL)	3QTY – 16' ROOF LADDER (ONE LOCATED ON AERIAL)	1 Additional 16'	1 Additional 16'
1QTY – 10' ATTIC LADDER	1QTY – 10' ATTIC LADDER	1QTY – 10' FRESNO LADDER	10' Attic to 10' Fresno	10' Attic to 10' Fresno
1QTY - LITTLE GIANT	1QTY - LITTLE GIANT	1QTY - LITTLE GIANT	No Change	No Change
1QTY - STEP LADDER	1QTY - STEP LADDER	1QTY - STEP LADDER	No Change	No Change
AERIAL	AERIAL	AERIAL		
3 Section Ladder / Rear Mount	3 Section Ladder / Rear Mount	5 Section Ladder / Mid-Mount	3 to 5 Section Ladder	3 to 5 Section Ladder
Horizontal Reach - 93'	Horizontal Reach - 93'	Horizontal Reach - 93'	No Change	No Change
Vertical Reach - 100' @ 75 Degrees	Vertical Reach - 100' @ 75 Degrees	Vertical Reach - 100' @ 77 Degrees	2 Degree Increase	2 Degree Increase
Operation Angles -8 to 75 degrees	Operation Angles -5 to 75 degrees	Operation Angles -15 to 77 degrees -20 if unit is angled	-7 Deg Increase & 2 Deg Increase	-10 Deg Increase & 2 Deg Increase
1000lbs Tip Load Dry Any Angle	1000lbs Tip Load Dry Any Angle	1000lbs Tip Load Dry Any Angle	No Change	No Change
500lbs Tip Load Wet Any Angle	500lbs Tip Load Wet Any Angle	500lbs Tip Load Wet Any Angle	No Change	No Change
Conditions of high wind up to 50 mph	Conditions of high wind up to 35 mph	Conditions of high wind up to 35 mph	50 mph to 35mph	No Change
Icing, up to a coating of 0.25" over the entire aerial structure	Icing, up to a coating of 0.25" over the entire aerial structure	Icing, up to a coating of 0.25" over the entire aerial structure		
70,000 pounds per square inch of yield strength	70,000 pounds per square inch of yield strength	100,000 pounds per square inch yield steel	30,000lbs per squ. inch increase	30,000lbs per squ. inch increase
WATER WAY - 2000 gpm	WATER WAY - 2000 gpm	WATER WAY - 2000 gpm		
Single Electric Monitor	Dual Electric Monitors	Dual Monitors 1-Electric and 1 Manual	No Change	No Change
2 - 2.5" Preconnects	2 - 2.5" Preconnects	1 - 2.5" Preconnect	Single to Dual Monitors 1 Ele. & 1 Man	Dual Ele. to Dual Monitors 1 Ele. & 1 Man
			2 Pre Connects to 1	2 Pre Connects to 1
OUTRIGGERS - 4 H - Style Stabilizers	OUTRIGGERS - 4 H - Style Stabilizers	OUTRIGGERS - 6 Stabilizers / 2 H Style & 4 Vertical Dwn Stab.		
			4 Stabilizers to 6 Stabilizers	4 Stabilizers to 6 Stabilizers