



## MT43P21

EFFICIENCY ENHANCED.



**MAX WORKING HEIGHT**  
43 ft (13 m)



**OVER-CENTER  
EMERGENCY  
BRAKE ACTUATOR**



**AUTOMATIC  
TRANSMISSION**



**EXPRESS  
HEAT**

The Premier™ MT43P21 offers an impressive operational height up to 45 ft [13 m] designed for deicing and anti-icing on larger aircraft. Equipped with intuitive controls, mastering the MT43P21 is effortless, leading to uninterrupted focus on the job at hand. Harness smooth and precise movements throughout projects with Guardian Technology. Enable quick and seamless setup by opting for the Express Start feature, automating start-up and shutdown processes. Regarding safety, the MT43P21 comes with an automatic low fluid shut down of the fluid pump, providing peace of mind during extended operations. Also available with an Air Blast System.

## CHASSIS POWER

### Cummins ISB Diesel / International Chassis

EPA Tier / Certification Level	Tier IV
Type	Tier 4F 8 Cylinder Turbocharged Diesel Engine
Fuel	Ultra Low Sulfur Diesel
Displacement	408 CID [6.7 L]
Governed RPM with Full Load	3,200 RPM
Peak HP at Governed RPM	270 hp @ 2,700 RPM
Torque	675 ft-lb @ 1,600 RPM

### Ford 6.7L Power Stroke Turbo Diesel V8 / Ford F750 Diesel Chassis

EPA Tier / Certification Level	Tier IV
Type	Tier 4F 8 Cylinder Turbocharged Diesel Engine
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Peak HP at Governed RPM	270 hp @ 2,700 RPM
Torque	675 ft-lb @ 1,600 RPM

### Ford 6.8L Triton Gas V10 / Ford F750 Gas Chassis

EPA Tier / Certification Level	Tier IV
Type	Tier 4F 8 Cylinder Turbocharged Diesel Engine
Fuel	Ultra Low Sulfur Diesel
Displacement	408 CID [6.7 L]
Governed RPM with Full Load	3,200 RPM
Peak HP at Governed RPM	270 hp @ 2,700 RPM
Torque	675 ft-lb @ 1,600 RPM

### ABS - Cummins ISB Diesel / International Chassis

EPA Tier / Certification Level	Tier IV
Type	Tier 4F 8 Cylinder Turbocharged Diesel Engine
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### ABS - Ford 6.8L Triton Gas V10 / ABS - Ford F750 Gas Chassis

EPA Tier / Certification Level	Tier IV
Type	Tier 4F 8 Cylinder Turbocharged Diesel Engine
Fuel	Ultra Low Sulfur Diesel
Displacement	408 CID [6.7 L]
Governed RPM with Full Load	3,200 RPM
Peak HP at Governed RPM	270 hp @ 2,700 RPM
Torque	675 ft-lb @ 1,600 RPM

## AUXILIARY POWER

### Auxiliary Engine Perkins 404 Diesel

Type	Tier 4F 4 Cylinder Turbocharged Diesel Engine
Fuel	Diesel
Displacement	134 CID [2.2 L]
Governed RPM with Full Load	1,800 RPM
Net Brake HP at Governed RPM	42 hp
Torque	74 Nm @ 1,500 rpm

## DIMENSIONS

### Cummins ISB Diesel / International Chassis

Length - Open Basket	390" (9,906 mm)
Length - Enclosed Basket	465" (11,811 mm)
Width	96" (2,439 mm)
Height	161" (4,089 mm)
Wheel Base	217" (5,511.8 mm)
Weight	24,850 lbs [11,272 kg] - Dry

### Ford 6.7L Power Stroke Turbo Diesel V8 / Ford F750 Diesel Chassis

Length - Open Basket	390" (9,906 mm)
Length - Enclosed Basket	465" (11,811 mm)
Width	96" (2,439 mm)
Height	161" (4,089 mm)
Wheel Base	217" (5,511.8 mm)
Weight	23,300 lbs [10,569 kg] - Dry

### Ford 6.8L Triton Gas V10 / Ford F750 Gas Chassis

Length - Open Basket	382" (9,702 mm)
Length - Enclosed Basket	457" (11,607 mm)
Width	96" (2,439 mm)
Height	157" (3,987.8 mm)
Wheel Base	217" (5,511.8 mm)
Weight	23,300 lbs [10,569 kg] - Dry

### ABS - Cummins ISB Diesel / International Chassis

Length - Enclosed Basket	412" (10,464 mm)
Width	96" (2,439 mm)
Height	161" (4,089 mm)
Wheel Base	217" (5,511.8 mm)
Weight	24,850 lbs [11,272 kg] - Dry

### ABS - Ford 6.7L Power Stroke Turbo Diesel V8 / Ford F750 Diesel Chassis

Length - Enclosed Basket	465" (11,811 mm)
Width	96" (2,439 mm)
Height	161" (4,089 mm)
Wheel Base	217" (5,511.8 mm)
Weight	24,850 lbs [11,272 kg] - Dry

### ABS - Ford 6.8L Triton Gas V10 / ABS - Ford F750 Gas Chassis

Length - Enclosed Basket	457" (11,607 mm)
Width	96" (2,439 mm)
Height	157" (3,987.8 mm)
Wheel Base	217" (5,511.8 mm)
Weight	24,850 lbs [11,272 kg] - Dry

## PERFORMANCE

### Cummins ISB Diesel / International Chassis

#### Ford F750 Diesel Chassis

#### Ford F750 Gas Chassis

Maximum Governed Speed (Boom Raised)	4 mph [6.4 km/h]
Overhead View Cap w/ Dual Pantograph Wiper	632 sq in Slanted viewing capacity
Communication System	David Clark® 3800 Series
Lift Working Height (Open Basket)	45' (14 m)
Aerial Lift Basket Capacity - Open Basket	300 lbs [136 kg]
Aerial Lift Basket Capacity - Enclosed Basket	450 lbs [204 kg]
Aerial Lift Rotation	370 Degrees Non Continuous
Deice Pump [Centrifugal]	55 gpm [210 lpm] @ 150 psi
Anti-Ice Pump [Diaphragm]	22.5 gpm [85 lpm] @ 50 psi
Deice Fluid Tank	1,800 gal [6,804 L] Stainless Steel
Anti-Ice Fluid Tank	300 gal [1,134 L] Stainless Steel
Generator	20 kW 240 Volt 3 Ph

### ABS - Cummins ISB Diesel / International Chassis

#### ABS - Ford F750 Diesel Chassis

#### ABS - Ford F750 Gas Chassis

Maximum Governed Speed (Boom Raised)	4 mph [6.4 km/h]
Overhead View Cap w/ Dual Pantograph Wiper	632 sq in Slanted viewing capacity
Communication System	David Clark® 3800 Series
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Aerial Lift Rotation	370 Degrees Non Continuous
Deice Pump [Centrifugal]	55 gpm [210 lpm] @ 150 psi
Anti-Ice Pump [Diaphragm]	22.5 gpm [85 lpm] @ 50 psi
Deice Fluid Tank	1,700 gal [6,435 L] Stainless Steel
Anti-Ice Fluid Tank	400 gal [1,514 L] Stainless Steel
Generator	6 kW 240 Volt 3 Ph