



Tempest Aircraft Deicer

The Model of Efficiency



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JBT AeroTech's Tempest deicer is the most versatile and widely used aircraft deicer on the market today. With full winterization options it deals with the harshest climates from Alaska to Siberia. Equipped with an enclosed basket it provides around the clock service on deicing pads in the world's busiest airports. [The Model of Efficiency](#) is evident as specialized deicing service providers have built their business model around the Tempest's glycol saving features, while ground handlers use fleets of Tempest's for their cost effective operation and long term reliability. Airports from China to the US take advantage of the safety and simplicity of the Tempest for their deicing needs.

JBT AeroTech's Tempest deicer provides lower total cost of ownership (TCO) through relentless focus on safety, operation, maintenance, reliability and durability.

Exceptional Safety

Is assured with a stable purpose built chassis and a boom that has a 5:1 factor of safety. Excellent driver and operator visibility, a short turning radius and smooth hydrostatic driving and braking allow for safe maneuvering in tight operating areas.

Efficient Operation

From a single engine for drive and deicing functions cuts fuel and maintenance costs. JBT's patented AirFirst technology can reduce glycol use by 50% and innovative proportional mix fluid systems add further savings.

Easy Maintenance

Results from the swing out power module that provides unrestricted access to the engine and hydraulic pumps. Component access panels are all mounted at comfortable working height around the perimeter of the unit.

Extended Reliability and Durability

Is guaranteed through a heavy duty chassis that provides a "ring of steel" to protect the deicer and operators from the harsh operating environment along with the highest quality components that provide years of reliable service.

To ensure your maximum return on investment, JBT AeroTech has made a commitment to worldwide aftermarket support that is unmatched in the industry. Our worldwide parts warehouses and partners provide you the best value for TCO.

Open basket with rail mounted nozzle turret, one man drive, proportional mix provides manpower and glycol cost savings

Extended reach boom allows for servicing of any commercial aircraft and can be added to any deicer/washer configuration



Tempest versatility: From open basket pre-mix, to enclosed cab, one man drive, and prop-mix. A machine for all conditions.

Enclosed Cab provides heated comfort with excellent visibility and the AirFirst forced air glycol savings system

Standard open basket with premix and one man drive provides efficient operations

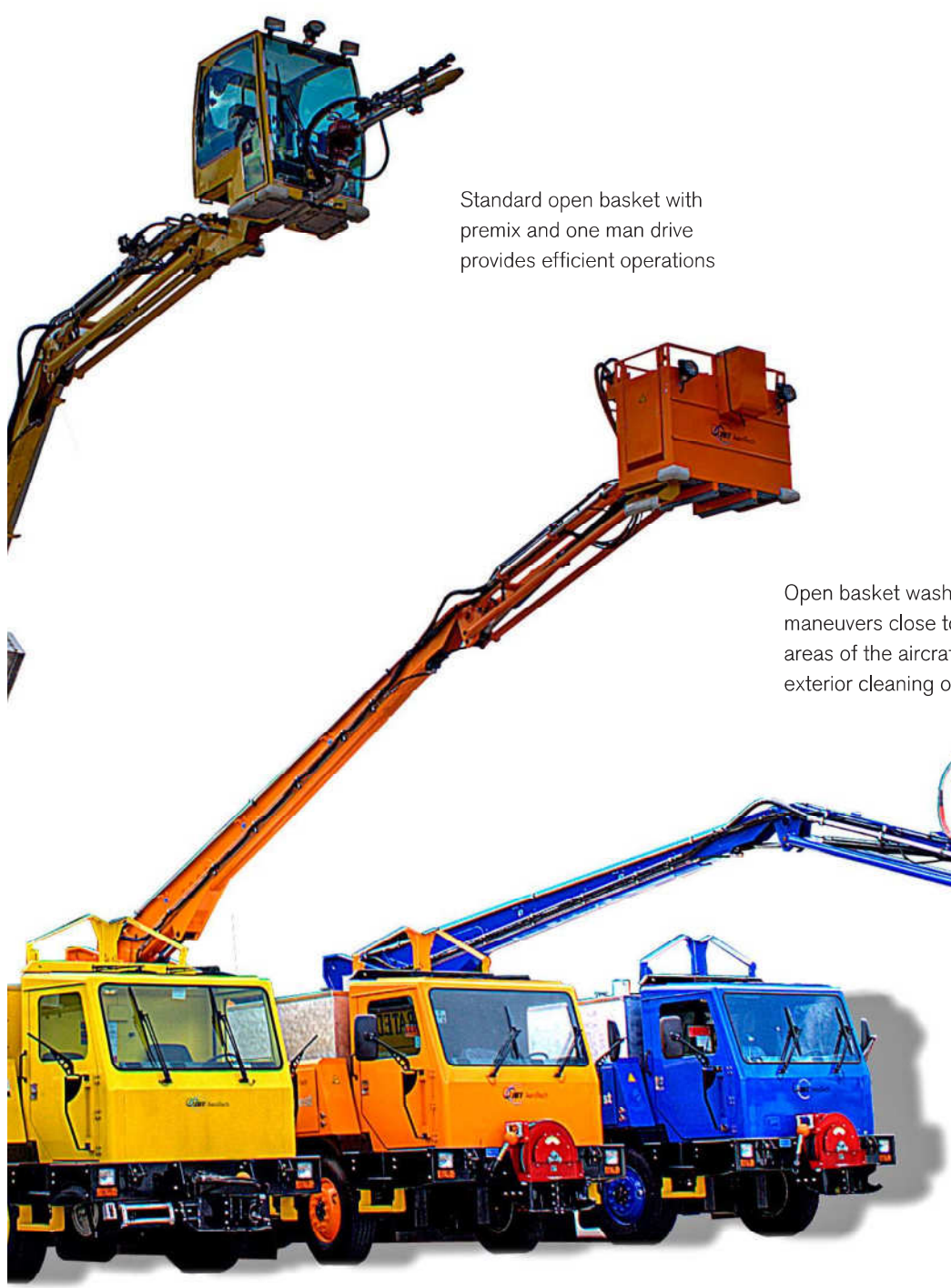
Single engine swing-out power module offers unlimited access to major components offering low operating and maintenance costs



Open basket washer safely maneuvers close to all the areas of the aircraft during exterior cleaning operations



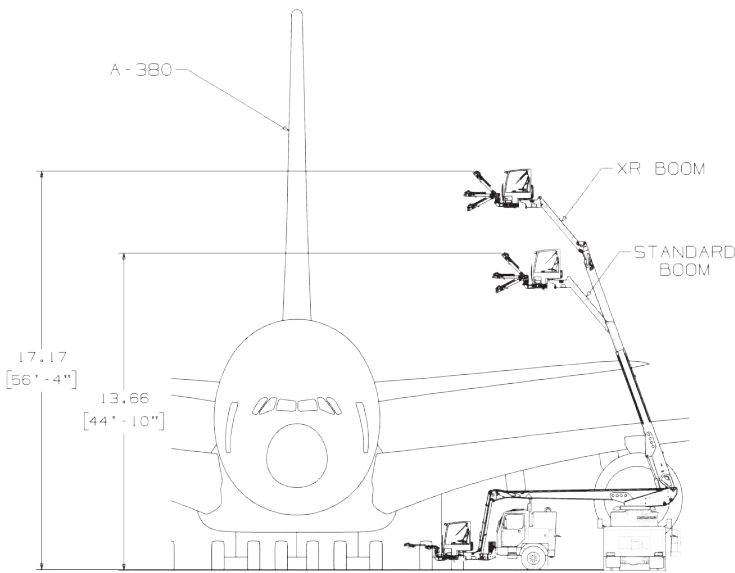
The heavy-duty Tempest custom chassis designed exclusively for deicing provides a stable platform and short turning radius with excellent operator visibility inside a roomy cab





JBT AeroTech Tempest Deicer

Aircraft Range	Boom Required	
	Standard	XR
Regional Jets	●	
A320 / B737 / B757	●	
A300 / A330 / A340 / A350	●	
B747 / B767 / B777 / B787 / MD11	●	
TU-154 / TU-204 / AN-124	●	
IL76		●
A380		●



AirFirst forced air and Proportional Mix are environmentally friendly options that lower costs by reducing glycol consumption.

For the complete range of options available please contact your Sales Representative

Total Fluid Capacity

Total Fluid Capacity 7,600 L (2,000 gal)

Heated Deicing Fluid System Options

Type 1 Pre-mix, Type 2/4 Pre-mix, Proportional Mix, Washer

Anti-icing Fluid System

Neat Type 2/4

Deicing Fluid Heater

JBT AeroTech OptiMax Heat™ System

2.5 MBTU, 4 Stage Combustion Heater with Electronic Controller

Heater System Options

Tank Pre-heat 10 min/3,800 L (1,000 gal)

Instant Heat from 0°C to 80°C (32°F to 180°F) at 133 L/min

Partial Pre-heat, to Extend Fluid Life

Indirect Glycol Heating - Proportional Mix System

Low Pressure Heater

Chassis

JBT AeroTech Custom Built Chassis

Cummins QSB Diesel Engine 119 kW (160 hp) or 194 kW (265 hp)

Closed Loop Hydrostatic Drive System

Aerial Device (Articulated Boom)

Maximum Lifting Capacity204 kg (450 lb)

Maximum Working Height13.7 m (45 ft)

Maximum Side Reach10.7 m (35 ft)

Rotation 350° non-continuous

Dimensions

Length.....10.7 m (35 ft)

Width.....2.67 m (105 in)

Height (retracted).....3.80 m (149.5 in)

Wheelbase.....4.39 m (173 in)

Turning Radius..... 10.3 m (34 ft)

Gross Vehicle Weight (GVW)

Empty Tanks: 14,074 kg (31,000 lb)

Full Tanks: 21,338 kg (47,000 lb)

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