



# 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



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



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

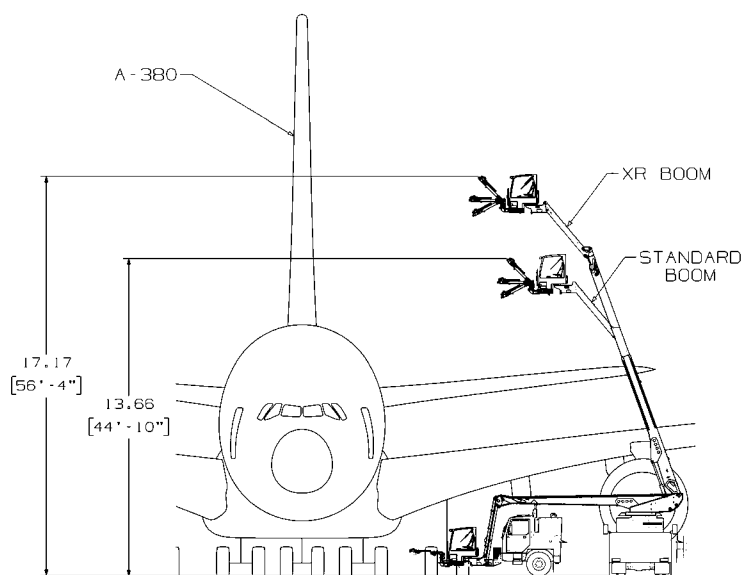


The heavy-duty Tempest custom chassis designed exclusively for deicing provides a stable platform and short turning radius with excellent operator visibility inside a roomy cab



## JBT AeroTech Tempest Deicer

Aircraft Range	Boom Options	
	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 7,571 L (2,000 gal)  
De-ice tank 6,057 L (1,600 gal): Anti-ice tank 1,514 L (400 gal)

### Heated Deicing Fluid System Options

Type 1 Pre-mix, Type 2/4 Pre-mix (CE)  
Proportional Mix, blendUP™, 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)  
Closed Loop Hydrostatic Drive System

### Aerial Device (Articulated Boom)

Maximum Lifting Capacity .....204 kg (450 lb)  
Maximum Working Height ..... 13.72 m (45 ft)  
Maximum Side Reach .....9.45 m (31 ft)  
Rotation 350° non-continuous

### Dimensions

Length.....9.65 m (31.7 ft)  
Width.....2.69 m (8.8 ft)  
Height (retracted).....3.57 m (11.7 ft)  
Wheelbase.....4.39 m (14.4 ft)  
Turn Radius.....9.30 m (30.5 ft)

### Gross Vehicle Weight (GVW)

Empty Tanks: 11,970 kg (26,270 lb)  
Full Tanks: 18,975 kg (41,830 lb)

*(Specification above reflects pre-mix, open-basket configuration unless option stated)*



#### USA

7300 Presidents Drive  
Orlando, FL 32809  
USA  
Phone: +1 407 851 3377  
Fax: +1 407 850 2839  
jbt aerotech.gse@jbt.com

#### Spain

A-2, Km 34 400  
28805 Alcala de Henares  
Madrid, Spain  
Phone: +34 91 8775 880  
Fax: +34 91 8775 881

#### UK

658 River Gardens  
North Feltham Trading Est.  
Feltham, London Heathrow  
Middx, TW14 ORB, UK  
Phone: +44 20 8587 0666  
Fax: +44 20 8587 0660

www.jbtaerotech.com

#### Singapore

6 Loyang Lane #03-00  
Young Heng Industrial Building  
Singapore 508920  
Phone: +65 6542 9255  
Fax: +65 6542 7493