

TA8200

Aircraft De-icer

Technical Specification



Introduction

The Mallaghan TA8200 Aircraft De-icer operates highly proficient, safe & efficient and can service a wide range of aircraft, narrow & wide body e.g. B737, A320, B747, A380.

Mounted onto a commercial chassis, from 18T GVW upwards, the vehicle can be specified with an Enclosed Basket or Open Basket and has a variety of optional features, for example, as Single Operator vehicle which permits the chassis to be driven from within the enclosed basket while de-icing operations are carried out.



Standard Features

- Auxiliary engine (55Kw, electronic – JCB or Cummins)
- Four stage heaters with 3.5m Btu, 1025kW
- Open Basket (205Kg capacity with Perspex sides)
- Proportional joystick for precision boom control
- Boom working height 14m
- Boom rotation 270° with side reach of 8.7m
- Danfoss PLC control system
- Touch screen data recorder & printer in drivers cab
- Stainless Steel tanks with 8200 litre total capacity.
- 7000 litre de-ice fluid & 1200 litre anti-ice fluid
- Cold fluid return / recirculation line
- Stainless steel pipes and fittings
- 'Hardi' fluid pumps with fluid delivery 70 - 200 LPM
- TFT delivery nozzles
- Fluids upload system using on-board pumps
- Single ground reel & nozzle
- Basket communication intercom system
- Electric & hand emergency control system
- Automatic Fire Suppression System (Stat-X Superior)
- Voltage 24V, Alternator 80A, External work lights

Safety Features

- Emergency stops around vehicle
- Emergency control system (Boom/Basket system)
- Boom control in basket and direct on manifold
- Safety Cameras front & rear on chassis (Optional)
- Harness lanyards for basket and on boom
- Driver/Passenger seat belts
- Automatic fire suppression system
- Fire extinguisher mounted on vehicle (Optional)
- Reverse driving alarm

Qualities:

- Ease of use and excellent accessibility to all components
- High drive stability & robustness
- Safe working conditions via excellent visibility, proportional control of boom and basket
- Extended reliability and durability is guaranteed with a heavy-duty chassis, the usage of quality components and its high build quality
- Quiet auxiliary engine with low emission
- Hardi Pumps for less shear on fluid
- Four stage burner for quick & efficient usage
- Diagnostic & recording functions via PLC system
- Precision movement of basket and boom via proportional control
- Triple fill options (suction, pressure, manual)

**Optional Equipment**

- Single operator
- Proportional Mixing
- Enclosed basket
- Extended boom 17m
- Forced Air system / hydraulically operated Forced Air
- Basket rotator
- Semi-circular basket with rail mounted nozzle
- Auto greasing system for Hardi pumps
- Camera systems
- Safety sensors on basket for collision avoidance
- Wireless headset
- Fire Extinguisher mounted on vehicle