



The Grip of Technology

Expediter 600

The Expediter 600 is the largest member of our towbarless tractor family. It is designed to provide aircraft pushback, repositioning and maintenance towing for aircraft types ranging from the A300 and B767 to the A380 and B747-8.

The Expediter 600 delivers a lower Total Cost of Ownership with features focused on safety, operation, maintenance, reliability and durability.

Like other Expediter models the Expediter 600 offers:

- Automatic aircraft recognition
- Patented fail safe pick-up system that opens and closes without moving the aircraft
- Jack knifing preventative system that automatically adjusts oversteer limits, tractive and braking forces





Expediter 600 Standard Features

Operating Performance

Starting Tractive Effort (maximum)	200 kN (45,000 lbf)
Towing Speed (maximum, unloaded)	30 km/hr (18.6 mph)
Towing Speed (maximum, loaded)	28 km/hr (17.4 mph)
Turning Radius (outside)	10.15 m (400 in)

Weight and Dimensions

Gross Vehicle Weight (without GPU)	27,500 kg (60,600 lb)
Length	7.90 m (311 in)
Width (without GPU)	4.50 m (177 in)
Height (cab up)	2.26 m (89 in)
Height (cab down)	1.65 m (65 in)
Wheelbase	3.80 m (150 in)

Engine

Mercedes OM 502 LA, 425 kW (gross)

Fuel Capacity

310 L (82 gal)

Airplane Retention Equipment

Sturdy Modular Construction with few Moving Parts
Hydraulically Actuated by 4 Cylinders
PLC Controlled

Axles

Front - Spring Suspended Drive/Steer Axle
Rear - Fixed Mounted Wheel Hubs

Steering

Servo-Hydraulic Front Axle Power Steering
Emergency Back-up System

Brakes

Service - Hydraulically Actuated 2 Circuit Brakes
4 Wheel Disc Brakes
Hydrostatic - Wear Free Braking on all Wheels
Parking - Spring Applied with Hydraulic Release

Operator's Cab & Controls

Enclosed High Visibility Cab
Seats (3) – Rotating Drivers Seat and (2) Passenger Seats
Twin Driving Controls for Dual Facing Operation
Joystick Control for NLG Pick-up
Emergency Aircraft Release
Ignition Switch with Anti-restart

Electrical

24-Volt DC
Alternator - 120 Amps
Battery - 2 x 12V 165 Ah (each)
Electro-hydraulic Pump for Auxiliary Power Supply

Hydrostatic Drive

4 Wheel Drive
3 Variable Displacement Pumps
2 Motors act on the Front Axle
2 Motors driving the Rear Wheels
Anti-spin Device Incorporated

Monitoring Devices

Standard Oversteer Alert Device (OAD)
Warning Lamps: Park Brake Set, Low Engine Oil Pressure, High Engine Coolant Temperature, High Hydraulic Oil Temperature
Battery Charging Light

Tires

Front - 14R-25
Rear - 17.5-25/24 PR

Options

Configurations

Ground Power Unit up to 120 kVA

Lights

Aircraft Illumination Strobe Lights

Operator's Cab

Air Conditioning
Cabin Heating
Radio Rack

Electrical

External Power Supply Plug 24 VDC
Laser Pointer Device

Instrumentation

Intercom Jacks and Cable System
NLG Pin Release Information
Wheel Position Indicator

Fire Extinguishers

Various Fire Extinguisher Options

Cold Weather

Winterization

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

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