



The Grip of Technology

Expediter 160

The Expediter 160 is the smallest member of our towbarless tractor family. It is designed to provide aircraft pushback, repositioning and maintenance towing for aircraft types ranging from the B717, Airbus A320 and B737 families, to the A300 and B767-300.

The Expediter 160 delivers a lower Total Cost of Ownership with features focused on safety, operation, maintenance, reliability and durability.

Like other Expediter models the Expediter 160 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 160 Standard Features

Operating Performance

Starting Tractive Effort (maximum)	60 kN (13,500 lbf)
Towing Speed (maximum)	26 km/hr (16 mph)
Turning Radius (outside)	8.9 m (351 in)

Weight and Dimensions

Gross Vehicle Weight	10,400 kg (23,000 lb)
Length	7.25 m (286 in)
Width	3.77 m (148 in)
Height	1.83 m (72 in)
Wheelbase	3.01 m (119 in)
Ground Clearance	136 mm (5.4 in)

Engine

Deutz Diesel 165 kW (221 hp)

Fuel Capacity

227 L (60 gal)

Airplane Retention Equipment

Hydraulically Actuated by 4 Cylinders
 PLC Controlled
 PRE Swivels to Accomodate Raked NLG
 Emergency Aircraft Release

Monitoring Devices

Oversteer Alert Device (OAD)
 PDM Screen with Detailed Operating Status and Error Messages

Axles

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

Lights

Aircraft Illumination Strobe Lights

Operator's Cab

Air Conditioning
 Radio Rack
 Heated and Powered Mirrors

Electrical

External Power Supply Plug 24 VDC/12 VDC
 Laser Pointer Device

Brakes

Service - Hydraulically Actuated 2 Circuit Brakes
 Front Wheels - Drum Brakes, Rear Wheels - Disk Brakes
 Hydrostatic - Wear Free Braking on Front Wheels
 Parking - Spring Applied with Hydraulic Release
 Back-up Accumulator System

Operator's Cab

Enclosed Cab with heating
 Seats (3) – Rotating Drivers Seat and (2) Passenger Seats
 Forward and Rear Facing Drive Controls
 Ignition Switch with Anti-restart

Electrical

24-Volt DC
 Alternator - 80 Amps
 Battery - 2 x 12V 925 CCA
 Electro-hydraulic Pump for Auxiliary Power Supply

Drive System

2 Wheel Drive
 Differential Lock
 Variable Displacement Pump
 Motor acts on the Front Axle

Tires

Front /Rear – 355/65R15

Frame

Single Piece Weldment
 No Moving Parts
 Front and Rear Towing Hitches

Options

Instrumentation

Intercom Jacks and Cable System

Fire Extinguishers

Various Fire Extinguisher Options

Cold Weather

Winterization
 Snow Chains (4 Wheels)

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

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