



The Douglas Tugmaster type **TBL- 200** towbarless aircraft handling tractor has been designed primarily for **pushback, inter-gate towing, and longer distance maintenance towing operations at higher speeds** with the following aircraft: -

<b>Fokker:</b>	<b>F70, F100</b>
<b>McDonnell Douglas:</b>	<b>DC9/MD80/MD90</b>
<b>Boeing:</b>	<b>B717, B737, B727, B757 and B767</b>
<b>Airbus:</b>	<b>A318/A319/A320/A321, A310/A300</b>

The TBL-200 also has the additional capability of performing **pushback and slower speed inter-gate and short distance maintenance towing operations** with the following aircraft: -

<b>Airbus:</b>	<b>A330 and A340-200/300</b>
<b>Boeing:</b>	<b>B787 and B777</b>
<b>Boeing:</b>	<b>DC10/MD11</b>
<b>Lockheed:</b>	<b>L 1011</b>

### Detailed Technical Specification: - NS 1763 Issue 4

- Fitted with Deutz TCD 2013 L04-2V diesel engine rated at 129.1 kW (173 bhp) to EU Stage IIIA / Tier 3 Exhaust Emission Standards
- **OPTION** - Deutz TCD 4.1 L4 diesel engine rated at 115 kW (154 bhp) to EU Stage IIIB / Tier 4 Exhaust Emission Standards
  - ZF 3WG211 powershift transmission with 3 speed forward and 3 speed reverse gearbox.
  - Fully enclosed dual control, dual facing, sound insulated luxury cab with:
    - Centre swivelling seat/control column console, to enable the operator to face in either direction of travel.
    - Cab mounted on air suspension system.
    - Adjustable air suspension seat for driver with suspension seat for one crew member.
  - Heater / Demister system. Optional: Air Conditioning
  - Powered Orbitrol hydrostatic steering system to front drive / steer axle. [2 wheel front steering]
  - Front two (2) wheel drive.
  - Rear support wheels mounted on trailing arm type air suspension system.
  - PLC for cradle functions, drive line and vehicle controls.
  - Full highway type lighting for both driving directions.
  - Flashing amber warning beacon on cab roof.
  - Full instrumentation including speedometer and hourmeter.
  - Over-steer warning / alerting system.
  - Maximum cradle lifting capacity - 35,000 kgs. (Aircraft nose wheel weight.)
  - Finish painted in Single Colour or Customers Livery.
  - Operator, Spare Parts and Workshop Manuals, in the English language

**Douglas Equipment –**  
**A business unit of Textron GSE UK Ltd,**  
**Douglas House, Village Road, Cheltenham, GL51 0AB, UK**  
**Tel: +44 (0)1242 527921. Fax: +44 (0)1242 221198**

