Engineered to let you work effectively and effortlessly.

**Transmissions to suite a wide range of applications**

TD Straddle tractors are equipped as standard with the proven 12x12, 30kph Synchro Shuttle™ 30 kph transmission. TD80 can also be equipped with the 12x4, 30kph Synchro Command™ option. All models can be optionally required with the 20x12, 30kph Synchro Shuttle™ transmission with Creeper, ideal for precision, very low speed applications.

**Maximum comfort and control come as standard**

Easy to operate, the standard 12x12 Synchro Shuttle™ transmission features three ergonomic control levers, synchronised speed gears [1-4] and 3 non synchronised ranges. The dedicated left hand Synchro Shuttle™ lever maximises operator’s control, allowing quick and effortless direction changes, ideal for loader operations. Featuring helical cut gears and an overlapped gear train, ensuring smooth and precise gear changes, the TD Straddle transmission gearbox emits a very small amount of heat and noise, adding to your working comfort.
Mechanical clutch means reliability
Sturdy and reliable, the mechanical PTO clutch is operated by an ergonomic lever, allowing simple and safe PTO drive engagement. With the optional PTO speed selection lever it possible to choose engine driven speed or ground speed.

Highest quality components for maximum durability performance
TD Straddle transmissions’ clutches are built with high quality Organic or Cerametallic components in order to ensure maximum durability for extended operating life and superior heat dissipation performance for the most arduous operating conditions.

Big horsepower becomes great working power
An independent PTO driveline takes the drive directly from the engine, ensuring a steady and efficient transfer of power, for maximum efficiency and minimal power losses. TD Straddle PTO is able to operate a wide range of equipment efficiently and economically.

PTO speeds to suit any requirement: the choice is yours
Standard PTO features 540 rpm speed. Options include 540/540E + ground speed and 540/1000 + ground speed. Whatever your choice, these independent, direct-driven PTOs operate any implement with ease and precision.

Mechanical clutch means reliability
Sturdy and reliable, the mechanical PTO clutch is operated by an ergonomic lever, allowing simple and safe PTO drive engagement. With the optional PTO speed selection lever it possible to choose engine driven speed or ground speed.
<table>
<thead>
<tr>
<th>Models</th>
<th>TD80</th>
<th>TD90</th>
<th>TD95</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. of cylinders / Aspiration / Emission level</td>
<td>4 / Naturally / Tier 2</td>
<td>4 / Turbocharged / Tier 2</td>
<td>4 / Turbocharged / Tier 2</td>
</tr>
<tr>
<td>Capacity</td>
<td>3908</td>
<td>3908</td>
<td>3908</td>
</tr>
<tr>
<td>Bore x stroke (mm)</td>
<td>104x115</td>
<td>104x115</td>
<td>104x115</td>
</tr>
<tr>
<td>Rated engine speed (rpm)</td>
<td>2500</td>
<td>2500</td>
<td>2500</td>
</tr>
<tr>
<td>Max. torque at 1500rpm (Nm)</td>
<td>298</td>
<td>292</td>
<td>352</td>
</tr>
<tr>
<td>Torque rise (%)</td>
<td>25</td>
<td>42</td>
<td>31</td>
</tr>
<tr>
<td>Fuel tank capacity (l)</td>
<td>77</td>
<td>77</td>
<td>77</td>
</tr>
</tbody>
</table>

### Transmission

- **Synchro Command™ transmission - 38kph**
  - Number of gears (FxR): 12x4
  - Speed range: 1.7-30

- **Synchro Shuttle™ transmission - 38kph**
  - Number of gears (FxR): 12x12
  - Speed range: 1.7-30

### Hydraulics

- Flexion Bar lower link draft sensing
- Mechanical lift with Lift-O-Matic™
- Hydraulic Pump flow – Standard (lpm): 40.1
- Hydraulic Pump flow – MegaFlow™ (lpm): 51.3
- Steering pump flow (lpm): 26.5
- Max. number of remote valves: 3

### Linkage

- Maximum lift capacity at ball ends with arms horizontal (kg): 3565
- Continuous lift capacity through the range (610mm behind bar ends) (kg): 2700

### PTO

- 540rpm (rpm): 2200
- 540 Economy rpm: 1715
- 1000rpm (rpm): 2381
- PTO activation: Mechanical
- Turn angle 2WD / 4WD (°): 55 / 50
- Max. turn radius 2WD / 4WD (mm): 3900 / 5100

### Dimensions

- Overall length 2WD / 4WD (mm): 3921 / 3865
- Minimum width (mm): 1808
- Height at center of rear axle to top of ROPS (mm): 1808
- Total height with ROPS (mm): 2488
- Wheelbase 2WD / 4WD (mm): 2248 / 2192
- Track width
  - Front 2WD (mm): 1425-1905
  - Front 4WD (mm): 1560-2000
  - Rear min. / Max. (all axle types) (mm): 1400-2000
  - Ground clearance, front axle lowest point 2WD / 4WD (mm): 525 / 390

### Weights

- Unballasted weight 2WD / 4WD (kg): 2650 / 3080
- Max. permissible weight on the front axle 2WD / 4WD (kg): 2500 / 2900
- Max. permissible weight on the rear axle (kg): 4150

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The data indicated in this folder are approximate. The models described here can be subjected to modifications without any notice by the manufacturer. The drawings and photos may refer to equipment that is either optional or intended for other countries. Please apply to our Sales Network for any further information. Published by New Holland Brand Communications. Bts Adv. - Printed in Italy - 05/18 - (Turin) - RSA8190N/INB

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