RT105M TRACTOR SPECIFICATIONS

U.S. METRIC

- **Dimensions**
  - Angle of approach (A2) 25°
  - Height (H1) 115 in 2,920 mm
  - Height (H2) 105 in 2,667 mm
  - Nose to rear mount length (L1) 125 in 3,175 mm
  - Length, transport (L2) 154 in 3,910 mm
  - Wheelbase (L4) 79 in 2,005 mm
  - Width (W2) 82 in 2,085 mm
  - Width (W4) 64 in 1,625 mm

- **Power Plant**
  - Engine Deutz® TCD3.6L4
  - Fuel Diesel
  - Cooling medium Liquid
  - Injection Direct
  - Aspiration Turbocharged, charge air cooled
  - Number of cylinders 4
  - Displacement 221 in³ 3.6 L
  - Bore 3.86 in 98 mm
  - Stroke 4.72 in 120 mm
  - Engine gross power rating (SAE J1995) 107 hp 80 kW
  - Rated speed 2,300 rpm
  - Engine tilt angles, max
    - Longitudinal 30°
    - Lateral 30°

- **Emissions compliance (highly regulated countries)**
  - EPA Tier 4 Final
  - EU Stage IV

- **Power Train**
  - Ground drive (Driving) powershift
  - Differentials Planetary front and rear w/ rear steering
  - Service brake Disc type, foot operated
  - Parking brake Disc type, SAHR

- **Operation**
  - Forward speed 0.6 mph 0.96 km/h
  - Link 6.2 mph 9.9 km/h
  - High 9.2 mph 14.9 km/h
  - Reverse speed 0.6 mph 0.96 km/h
  - Low 6.2 mph 9.9 km/h
  - High 9.2 mph 14.9 km/h
  - Vehicle clearance circle (SAE) wall to wall w/backfill blade
  - Front steer only 35 ft 10.7 m
  - Front and rear steer 21 ft 6.4 m
  - Ground clearance 14 in 356 mm
  - Basic unit weight 9,700 lb 4,400 kg
  - Attachable tractor weight, max 22,000 lb 9979 kg
  - Front counterweight, each 1,300 lb 590 kg
  - Side counterweight, each 250 lb 114 kg

- **Hydraulic System @ 2,100 RPM**
  - Crowbar circuit drive/steer pump capacity 11.5 gpm 43 l/min
  - Pump relief pressure 3,100 psi 213 bar
  - Auxiliary pump capacity 5.1 gpm 19.3 l/min
  - Auxiliary pump relief pressure 3,000 psi 206 bar

- **Fuel Tank**
  - 38 gal 144 L

- **Oil Capacity**
  - Engine oil 8.5 qt 8 L

- **Reservoir**
  - Hydraulic reservoir 20 gal 76 L
  - Auxiliary reservoir 5 gal 19 L

- **Cooling System**
  - Engine oil 8.5 qt 8 L

- **DEF Tank**
  - 2.6 gal 10 L

- **NOISE LEVEL**
  - Operator 91 dBA sound pressure per ISO 6394
  - Exterior 107 dBA sound power per ISO 6393

- **Backfill Blade**
  - Blade width 80 in 2030 mm
  - Blade height 17 in 430 mm
  - Lift height above ground 26 in 660 mm
  - Blade drop below ground 10 in 254 mm
  - Swing angle, max (left/right) 30°
  - Tilt angle, pinched 12°

- **Battery (2 USED)**
  - Group 65
  - SAE reserve capacity 165 min
  - Auxiliary power outlet 12 volt, 10 amps

- **Vibration Level**
  - Average vibration transmitted to the operator’s hand during normal operation is 5.98 m/sec².
  - Average vibration transmitted to the operator’s whole body during normal operation does not exceed 0.64 m/sec².

RT105M ATTACHMENT SPECIFICATIONS

- **Dimensions**
  - **U.S.**
    - Transport height 118 in 2,997 mm
    - Ground clearance 29 in 736 mm
    - Dipping depth, max 112 in 2,844 mm
    - Reach from sweep point 156 in 4013 mm
    - Bucket width 12-24 in 300-610 mm
    - Backfill weight w/backfill blade 3,300 lb 1467 kg
  - **METRIC**
    - Swing arc 180°

- **BH120 BACKHOE**
  - **Dimensions**
    - **U.S.**
      - Angle of departure 23.7°
      - Trench depth, max 97 in 2464 mm
      - Trench width, max 24 in 610 mm
      - Transport length 124 in 3251 mm
      - Transport length 115 in 2921 mm
      - Attachment weight 1,750 lb 794 kg
  - **METRIC**
    - Swing arc 180°

- **CT100M CENTERLINE TRENCHER**
  - **Dimensions**
    - **U.S.**
      - Angle of departure 28°
      - Trench depth, max 97 in 2464 mm
      - Trench width, center position max 24 in 610 mm
      - Trench width, offset position max 20 in 508 mm
      - Transport length 124 in 3251 mm
      - Transport length 115 in 2921 mm
      - Attachment weight 1,750 lb 794 kg
  - **METRIC**
    - Swing arc 180°

- **DT100M DUAL POSITION TRENCHER**
  - **Dimensions**
    - **U.S.**
      - Angle of departure 28°
      - Trench depth, max 97 in 2464 mm
      - Trench width, center position max 24 in 610 mm
      - Trench width, offset position max 20 in 508 mm
      - Transport length 124 in 3251 mm
      - Transport length 115 in 2921 mm
      - Attachment weight 1,750 lb 794 kg
  - **METRIC**
    - Swing arc 180°

Unless otherwise specified, all figures are for standard equipment only. Specifications are called out according to SAE recommended procedures. Due to selected options, delivered equipment may not necessarily match that described. Specifications are general and subject to change without notice. If exact measurements are required, equipment should be weighed and measured.