



|                                |                                      |
|--------------------------------|--------------------------------------|
| <b>Engine</b>                  | Cummins B6.7                         |
| <b>Max. Gross</b>              | 183 kW (245 hp / 249 ps) @ 1,700 rpm |
| <b>Max. Net</b>                | 172 kW (231 hp / 234 ps) @ 1,700 rpm |
| <b>Operating Weight</b>        | 20,234 kg                            |
| <b>Standard Bucket Size</b>    | 3.5 m <sup>3</sup>                   |
| <b>Standard Breakout Force</b> | 147 kN                               |
| <b>Standard Dump Clearance</b> | 2,663 mm                             |

# 856T WHEEL LOADER

## ENGINE

|                     |                                       |
|---------------------|---------------------------------------|
| Emission Regulation | EU Stage V                            |
| Manufacturer        | Cummins                               |
| Model               | B6.7                                  |
| Max. Gross          | 183 kW (245 hp / 249 ps) @ 1,700 rpm  |
| Max. Net            | 172 kW (231 hp / 234 ps) @ 1,700 rpm  |
| Peak Torque         | 1,186 N·m @ 1,300 rpm                 |
| Displacement        | 6.7 L                                 |
| Number of Cylinders | 6                                     |
| Aspiration          | Turbocharged & Air-to-air intercooled |

## TRANSMISSION

|                           |                              |
|---------------------------|------------------------------|
| Transmission Type         | Countershaft, powershift     |
| Torque Converter          | Single stage, three elements |
| Maximum Travel Speed, fwd | 37.7 km/h                    |
| Maximum Travel Speed, rev | 25 km/h                      |
| Number of Speed, fwd      | 4                            |
| Number of Speed, Rev      | 3                            |

## AXLES

|                         |              |
|-------------------------|--------------|
| Differential Front Type | Limited slip |
| Differential Rear Type  | Limited slip |
| Axle Oscillation        | ±12°         |

## STEERING

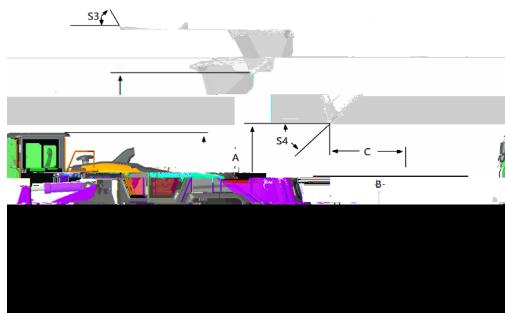
|                           |                 |
|---------------------------|-----------------|
| Steering Hydraulic System | Flow amplifying |
| Steering Relief Pressure  | 20.7 MPa        |

## BRAKES

|                         |                           |
|-------------------------|---------------------------|
| Service Brake Type      | Wet discs brake           |
| Service Brake Actuation | Full hydraulic            |
| Parking Brake Type      | Drum                      |
| Parking Brake Actuation | Electro-hydraulic release |

## HYDRAULIC SYSTEM

|                      |        |
|----------------------|--------|
| Main Pump Type       | Piston |
| Main Relief Pressure | 30 MPa |
| Raise                | 5.1 s  |
| Dump Time            | 1.5 s  |
| Float Down Time      | 3.0 s  |
| Hydraulic Cycle Time | 9.6 s  |



## LOADER ARM PERFORMANCE WITH STANDARD BUCKET 3.5 m³

|                                                  |           |
|--------------------------------------------------|-----------|
| Tipping Load - Straight (ISO 14397-1:2007)       | 13,209 kg |
| Tipping Load - Full Turn (ISO 14397-1:2007)      | 11,618 kg |
| Bucket Breakout Force                            | 147 kN    |
| A Maximum Hinge Pin Height                       | 4,107 mm  |
| B Dump Clearance at Full Height Discharge        | 2,663 mm  |
| C Dump Reach at Full Height Discharge            | 1,462 mm  |
| D Maximum Digging Depth, Bucket Level            | 153 mm    |
| S <sub>1</sub> Rollback at Ground Level          | 42.7°     |
| S <sub>2</sub> Bucket Rollback at Carry          | 48°       |
| S <sub>3</sub> Bucket Rollback at Maximum Height | 63°       |
| S <sub>4</sub> Maximum Dump Angle at Full Height | 45°       |

## BUCKET PERFORMANCE

|                  |            |
|------------------|------------|
| Reference Bucket | 2.7-5.6 m³ |
|------------------|------------|

## DIMENSIONS

|                                                |          |
|------------------------------------------------|----------|
| E Ground Clearance                             | 421 mm   |
| G Wheelbase                                    | 3,370 mm |
| H Cab Height                                   | 3,410 mm |
| J Wheel Tread                                  | 2,150 mm |
| K Width over Tires                             | 2,750 mm |
| L Length with Bucket Down                      | 8,622 mm |
| M Turn Angle, Either Side                      | 38°      |
| P Rear Angle of Departure                      | 28°      |
| R <sub>1</sub> Turning Radius, Bucket Carry    | 7,101 mm |
| R <sub>2</sub> Turning Radius, Outside of Tire | 6,304 mm |
| W Width over Bucket                            | 2,920 mm |

## TIRES

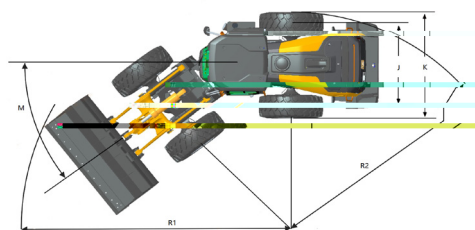
|           |             |
|-----------|-------------|
| Tire Size | 23.5R25 L-3 |
|-----------|-------------|

## OPERATING WEIGHTS

|                  |           |
|------------------|-----------|
| Operating Weight | 20,234 kg |
|------------------|-----------|

## SERVICE CAPACITY

|                                   |             |
|-----------------------------------|-------------|
| Fuel Tank                         | 330 L       |
| Engine Oil                        | 20 L        |
| DEF Tank                          | 30 L        |
| Cooling System                    | 35 L        |
| Hydraulic System                  | 205 L       |
| Transmission and Torque Converter | 35 L        |
| Axles, Front/Rear                 | 50 L / 50 L |



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Specifications and designs are subject to change without notice. Machines shown may include optional equipment. Liugong standard and optional equipment may vary from region to region. Please consult your Liugong dealer for information specific to your area. Engine power kW is converted to horsepower (1 kW=1.3596 ps and 1 kW=1.3410 hp) in this file.

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Replace the previous versions of 10/2025