



**Max. Gross Machine Weight**

81,800 kg

**Net Machine Weight**

36,800 kg

**Payload**

45,000 kg

**Engine**

QSX15

**Rated Power**

388 kW (520 hp / 528 ps)

@ 2,100 rpm

**Struck Capacity**

21.8 m<sup>3</sup>

**Heaped Capacity (SAE 2:1)**

29.8 m<sup>3</sup>

# DR50C MINING TRUCK

TOUGH WORLD. TOUGH EQUIPMENT.

# DR50C SPECIFICATIONS >>>

## ENGINE

|                     |                                      |
|---------------------|--------------------------------------|
| Emission Regulation | Tier 3 / Stage III                   |
| Manufacturer        | Cummins                              |
| Model               | QSX15                                |
| Rated Power         | 388 kW (520 hp / 528 ps) @ 2,100 rpm |
| Peak Torque         | 2,440 N m @ 1,400 rpm                |
| Displacement        | 15 L (4.0 gal)                       |
| Number of Cylinders | 6                                    |

## TRANSMISSION

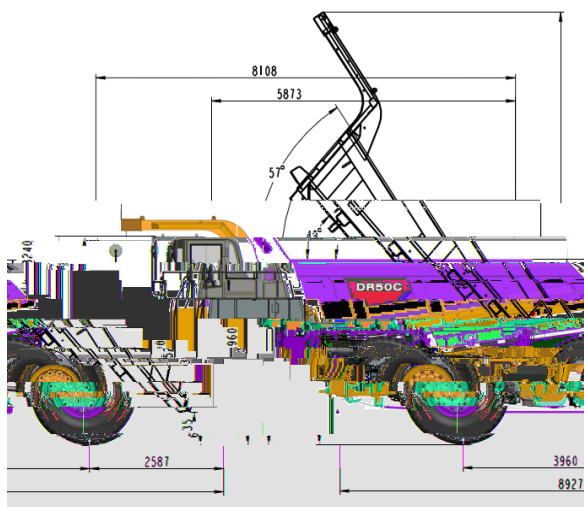
|       |               |                   |
|-------|---------------|-------------------|
| Model | Allison 4800  |                   |
| Gear  | Driving Ratio | Max. Travel Speed |
| F1    | 7.63          | 5.2 km/h          |
| F2    | 3.51          | 11.3 km/h         |
| F3    | 1.91          | 20.8 km/h         |
| F4    | 1.43          | 27.8 km/h         |
| F5    | 1.00          | 39.8 km/h         |
| F6    | 0.74          | 53.7 km/h         |
| F7    | 0.64          | 55.0 km/h         |
| R1    | 4.80          | 7.5 km/h          |
| R2    | 17.12         | 2.2 km/h          |

## REAR AXLE

|                       |       |
|-----------------------|-------|
| Differential Ratio    | 3.414 |
| Planetary Ratio       | 5.8   |
| Total Reduction Ratio | 19.8  |

## HOIST SYSTEM

|            |        |
|------------|--------|
| Raise Time | 12 sec |
| Lower Time | 9 sec  |



## PERFORMANCE

|                         |        |
|-------------------------|--------|
| Max. Steering Angle     | 38°    |
| Max. Swing Angle        | 6.5°   |
| Front Suspension Stroke | 220 mm |
| Rear Suspension Stroke  | 220 mm |

## DUMP BODY

|                              |          |
|------------------------------|----------|
| Bottom Plate Thickness       | 16 mm    |
| Front & Side Plate Thickness | 10/10 mm |
| Struck Capacity (SAE)        | 21.8 m³  |
| Heaped Capacity (2:1) (SAE)  | 29.8 m³  |

## TIRES

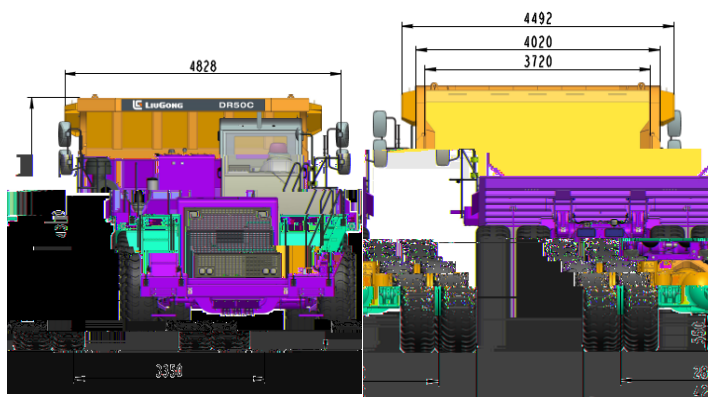
|           |                   |
|-----------|-------------------|
| Rim Size  | 15.00/3.0-35      |
| Tire Size | 21.00-35/36PR(E4) |

## SERVICE CAPACITY

|                              |       |           |
|------------------------------|-------|-----------|
| Fuel Tank                    | 550 L | 145.3 gal |
| Crankcase                    | 60 L  | 15.9 gal  |
| Transmission                 | 68 L  | 18.0 gal  |
| Cooling System               | 170 L | 45 gal    |
| Hydraulic System             | 350 L | 91.9 gal  |
| Wheel Gear Reduction (Total) | 45 L  | 11.9 gal  |
| Differential                 | 50 L  | 13.2 gal  |
| Front Suspension (Each)      | 15 L  | 4.0 gal   |
| Rear Suspension (Each)       | 17 L  | 4.5 gal   |

## WEIGHT DISTRIBUTION

|            |            |           |
|------------|------------|-----------|
| Rated Load | Front Axle | Rear Axle |
| Empty Load | 50%        | 50%       |
| Full Load  | 34%        | 66%       |



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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 table.

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Replace the previous versions of 08-2020