

|                         |                               |
|-------------------------|-------------------------------|
| Engine                  | Cummins 6BTAA5.9-C170         |
| Gross Power             | 125 kW (170 hp) @ 2,200 rpm   |
| Net Power               | 112.5 kW (153 hp) @ 2,200 rpm |
| Operating Weight        | 13,700 kg                     |
| Standard Bucket Size    | 2.3 m <sup>3</sup>            |
| Standard Breakout Force | 125 kN                        |
| Standard Dump Clearance | 2,880 mm                      |

# 842

WHEEL LOADER



TOUGH WORLD. TOUGH EQUIPMENT.

# 842 SPECIFICATIONS >>>

## ENGINE

|                     |                                       |
|---------------------|---------------------------------------|
| Emission Regulation | Tier 2 / Stage II                     |
| Make                | Cummins                               |
| Model               | 6BTAA5.9-C170                         |
| Gross Power         | 125 kW (170 hp) @ 2,200 rpm           |
| Net Power           | 112.5 kW (153 hp) @ 2,200 rpm         |
| Peak Torque         | 750 N · m @ 1,400 rpm                 |
| Displacement        | 5.9 L                                 |
| Number of Cylinders | 6                                     |
| Aspiration          | Turbocharged & Air-to-air intercooled |

## TRANSMISSION

|                           |                              |
|---------------------------|------------------------------|
| Transmission Type         | Countershaft, power shift    |
| Torque Converter          | Single stage, three elements |
| Maximum Travel Speed, fwd | 41.5 km/h                    |
| Maximum Travel Speed, rev | 26.3 km/h                    |
| Number of Speeds, fwd     | 4                            |
| Number of Speeds, rev     | 3                            |

## AXLES

|                         |              |
|-------------------------|--------------|
| Differential Front Type | Conventional |
| Differential Rear Type  | Conventional |
| Axle Oscillation        | ±12°         |

## STEERING

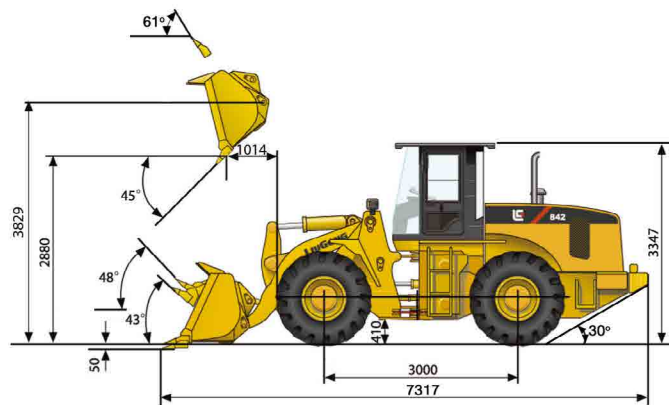
|                          |             |
|--------------------------|-------------|
| Steering Configuration   | Articulated |
| Steering Relief Pressure | 15 Mpa      |

## BRAKES

|                         |                          |
|-------------------------|--------------------------|
| Service Brake Type      | Caliper disc brake       |
| Service Brake Actuation | Air over hydraulic       |
| Parking Brake Type      | Manual pneumatic control |
| Parking Brake Actuation | Air                      |

## HYDRAULIC SYSTEM

|                          |        |
|--------------------------|--------|
| Main Pump Type           | Gear   |
| Main Relief Pressure     | 18 MPa |
| Raise                    | 5.5 s  |
| Dump Time                | 1.2 s  |
| Float Down Time          | 3.7 s  |
| Fastest Total Cycle Time | 10.4 s |



## LOADER ARM PERFORMANCE

|   |          |
|---|----------|
| Tipping Load - Straight                 | 9,898 kg |
| Tipping Load - Full Turn                | 8,571 kg |
| Bucket Breakout Force                   | 125 kN   |
| Maximum Dump Angle at Full Height       | 45°      |
| Dump Clearance at Full Height Discharge | 2,880 mm |
| Dump Reach at Full Height Discharge     | 1,014 mm |
| Maximum Hinge Pin Height                | 3,829 mm |
| Maximum Digging Depth, Bucket Level     | 50 mm    |
| Bucket Rollback at Ground Level         | 43°      |
| Bucket Rollback at Carry                | 48°      |
| Bucket Rollback at Maximum Height       | 61°      |

## BUCKET PERFORMANCE

|                  |                    |
|------------------|--------------------|
| Reference Bucket | 2.3 m <sup>3</sup> |
|------------------|--------------------|

## DIMENSIONS

|                                 |          |
|---------------------------------|----------|
| Length with Bucket Down         | 7,317 mm |
| Width Over Tires                | 2,470 mm |
| Wheelbase                       | 3,000 mm |
| Wheel Tread                     | 1,950 mm |
| Ground Clearance                | 410 mm   |
| Turn Angle, Either Side         | 38°      |
| Rear Angle of Departure         | 30°      |
| Turning Radius, Outside of Tire | 5,591 mm |
| Turning Radius, Center of Tire  | 5,331 mm |
| Turning Radius, Bucket Carry    | 6,406 mm |

## TIRES

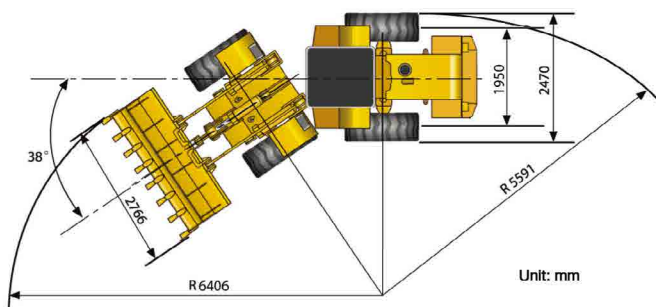
|           |           |
|-----------|-----------|
| Tire Size | 20.5 - 25 |
|-----------|-----------|

## OPERATING WEIGHTS

|                  |           |
|------------------|-----------|
| Operating Weight | 13,700 kg |
|------------------|-----------|

## SERVICE CAPACITY

|                                   |       |
|-----------------------------------|-------|
| Fuel Tank                         | 254 L |
| Engine Oil                        | 17 L  |
| Cooling System                    | 55 L  |
| Hydraulic Reservoir               | 230 L |
| Transmission and Torque Converter | 45 L  |
| Axle, Front                       | 28 L  |
| Axle, Rear                        | 32 L  |



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Specifications and designs are subject to change without notice. Machines shown may include optional equipment.

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