

# **LONKING**

Efficiency Rules the Future

Update bucket

## **CDM833 PRO WHEEL LOADER**

**POWERFUL WEICHA DEUTZ ENGINE**

**LONKING TRANSMISSION**

**LONKING AXLES**

**ROPS&FOPS CABIN**

**VARIETY WITH ATTACHMENT**

**CONVENIENT MAINTENANCE**

Update tank

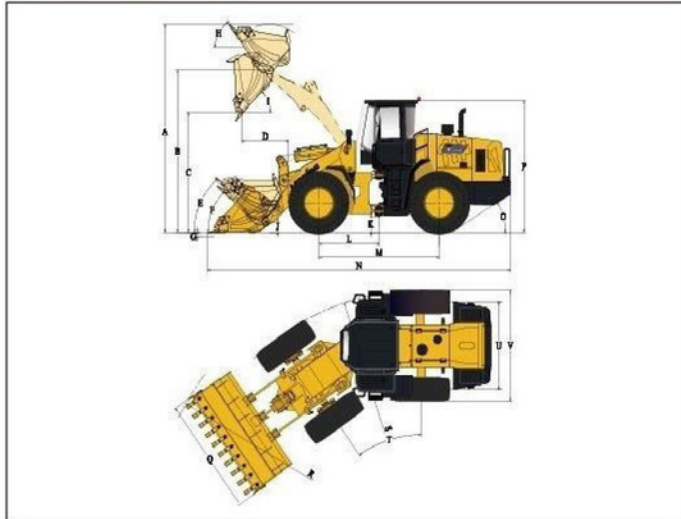
update transmission



|                     |                    |
|---------------------|--------------------|
| ■ RATED POWER:      | 92kW/2200rpm       |
| ■ BUCKET CAPACITY:  | 1.8 m <sup>3</sup> |
| ■ RATED PAYLOAD:    | 3000kg             |
| ■ OPERATING WEIGHT: | 10300 kg           |

## DIMENSIONS

All dimensions are approximate. Dimensions may vary with bucket and tire choice. Refer to operating specifications.



| NO. | DESCRIPTION                         | UNIT | STD   | High Dump |
|-----|-------------------------------------|------|-------|-----------|
| A   | Overall Height – Bucket Raised      | mm   | 4737  | 5080      |
| B   | Bucket Pin Height at Max. Lift      | mm   | 3710  | 4064      |
| C   | Dump Clearance at Max. Lift ( 45°)  | mm   | 2904  | 3249      |
| D   | Reach at Max. Lift and 45° Dump     | mm   | 1095  | 1002      |
| E   | Rack Back Angle at Carry            | °    | 46.3  | 46.6      |
| F   | Rack Back Angle at Ground           | °    | 40    | 40.9      |
| G   | Digging Depth                       | mm   | 30-40 | 30-40     |
| H   | Rack Back Angle at Max. Lift        | °    | 50.7  | 47        |
| I   | Dump Angle at Max. Lift             | °    | 46.6  | 45        |
| J   | Carry Height                        | mm   | 400   | 400       |
| K   | Ground Clearance                    | mm   | 345   | 345       |
| L   | Center Line of Front Axle to Hiltch | mm   | 1425  | 1425      |
| M   | Wheel Base                          | mm   | 2850  | 2850      |
| N   | Overall Length                      | mm   | 7200  | 7450      |
| O   | Departure Angle                     | °    | 27    | 27        |
| P   | Height to Top of Cab                | mm   | 3180  | 3180      |
| Q   | Overall Width over Bucket           | mm   | 2500  | 2500      |
| R   | Min. Turning Radius over Bucket     | mm   | 6190  | 6280      |
| S   | Min. Turning Radius over Tires      | mm   | 5675  | 5675      |
| T   | Steering Angle – Left/Right         | °    | 35    | 35        |
| U   | Width at Tread Center               | mm   | 1850  | 1850      |
| V   | Overall Width over Tires            | mm   | 2320  | 2320      |

## OVERALL DATA

|                  |                |                |
|------------------|----------------|----------------|
| Bucket Capacity  | 1.8 m³         | 1.8 m³         |
| Rated Payload    | 3000kg         | 3000kg         |
| Operating Weight | 10300±300kg    | 10500±300kg    |
| Traction Force   | 97±3kN         | 97±3kN         |
| Breakout Force   | 105±3kN        | 95±3kN         |
| L×W×H(mm)        | 7200×2500×3180 | 7450×2500×3180 |

## ENGINE&ELECTRICAL SYSTEM

|                               |                                                                       |
|-------------------------------|-----------------------------------------------------------------------|
| Maker/Model                   | WEICHAI/WP6G125E22                                                    |
| Emission Standard             | National II                                                           |
| Engine Type                   | 4 Stroke, Turbocharged, Water-cooled, Direct Injection, Diesel Engine |
| Rated Power                   | 92kW(125hp)/2200rpm                                                   |
| Maximum Torque                | 500N·m/1400-1600rpm                                                   |
| Bore x Stroke (mm)            | 105×130                                                               |
| No. of Cylinders/Displacement | 6/6.75L                                                               |
| Compression Ratio             | 18.0                                                                  |
| Air Cleaner                   | Three Stage Air Cleaner                                               |
| Alternator                    | 55Amp                                                                 |
| Battery                       | 2-24V/105Ah                                                           |
| Starting Motor                | 24V/6kW                                                               |
| Heating Capacity (W)          | 5000W                                                                 |
| Cooling Capacity (W)          | 4700W                                                                 |



**MITRA TEKNINDO SEJATI**

### Jakarta

Galeri Niaga Mediterania 1  
Jl. Pantai Indah Utara II Blok. X3 No. G8A-8B  
Pantai Indah Kapuk - Jakarta Utara  
Telp. 021 52393819

### Tangerang I

Kawasan Industri Milenium Blok P2 No. 3  
Jl. Pemda Tigaraksa, Sukamulya,  
Cikupa, Tangerang - Banten  
Telp. 021 59645008

### Tangerang II

Kawasan Bizlink Citra Raya Blok O 08/20  
Jl. Pemda Tigaraksa, Sukamulya  
Cikupa, Tangerang - Banten

### Bantaeng

Jl. Dusun Mawang, Desa Papanloe,  
Pajukukang, Bantaeng Regency  
Sulawesi Selatan

## DRIVE TRAIN

|                           |         |     |                                         |     |     |
|---------------------------|---------|-----|-----------------------------------------|-----|-----|
| Transmission Type         |         |     | Countershaft Powershift Transmission    |     |     |
| Shift Type                |         |     | Mechanical Powershift Control           |     |     |
| Pressure of Transmission  |         |     | 1.1-1.5MPa                              |     |     |
| Torque Converter Type     |         |     | Single-stage, Single-turbine, 3-element |     |     |
| Torque Ratio              |         |     | 3.2                                     |     |     |
| Axles                     |         |     | Rigid Front Axle&Oscillating Rear Axle  |     |     |
| Rear Axle Oscillation (°) |         |     | ±10°                                    |     |     |
| Differential              |         |     | Conventional                            |     |     |
| Main Reducer              |         |     | Spiral Bevel, 1-stage Reduction         |     |     |
| Final Reducer             |         |     | Planetary Reduction                     |     |     |
| Tire                      |         |     | 17.5-25 L-3 12PR TT                     |     |     |
| Travel<br>Speeds          | km/h    | 1st | 2nd                                     | 3rd | 4th |
|                           | Forward | 7   | 12                                      | 24  | 36  |
|                           | Reverse | 8.5 | 28                                      |     |     |

## BRAKE SYSTEM

|                  |                                         |
|------------------|-----------------------------------------|
| Service Brake    | Single Circuit Caliper, Dry Brake       |
| Setting Pressure | 0.70-0.78MPa                            |
| Parking Brake    | Flexible Shaft Controlled Caliper Brake |
| Emergency Brake  | Flexible Shaft Controlled Caliper Brake |

## STEERING SYSTEM

|                 |               |                               |
|-----------------|---------------|-------------------------------|
| Type            |               | Hydraulic Load Sensing System |
| Pump            |               | Gear Pump, 176L/min • 2200rpm |
| System Pressure |               | 14MPa                         |
| Cylinder        | Type          | Double Acting                 |
|                 | Bore x Stroke | 2-80x315mm                    |
| Steering Angle  |               | ±35°                          |

## HYDRAULIC SYSTEM

|                                     |               |                               |       |       |
|-------------------------------------|---------------|-------------------------------|-------|-------|
| Type                                |               | Mechanical Shift Control      |       |       |
| Pump                                |               | Gear Pump, 176L/min • 2200rpm |       |       |
| Control Valve                       |               | 2 Spool (Bucket&Boom)         |       |       |
| System Pressure                     |               | 16MPa                         |       |       |
| Cylinder                            | Lift Cylinder | 2-125×784mm                   |       |       |
| No.-Bore x stroke                   | Tilt Cylinder | 1-140×553mm                   |       |       |
| Joystick Control Pressure(Optional) |               | 2.5MPa                        |       |       |
| Cycle Time                          | Raise         | Dump                          | Lower | Total |
| (Sec)                               | 5.5           | 1.3                           | 3.7   | 10.5  |

## SERVICE REFILL CAPACITY

|                          |                                                        |
|--------------------------|--------------------------------------------------------|
| Fuel Tank (L)            | 200L                                                   |
| Hydraulic Tank (L)       | 150/155 (3 <sup>rd</sup> Spool for Auxiliary Function) |
| Crankshaft (L)           | 17L                                                    |
| Transmission (L)         | 36L                                                    |
| Front Axle/Rear Axle (L) | 18.5L/18.5L                                            |

## STANDARD EQUIPMENT

|                                                        |                              |
|--------------------------------------------------------|------------------------------|
| WEICHAI Engine                                         | Mechanical Shift Control     |
| 4F/2R LONKING Transmission                             | Standard Lift&Bucket (1.8m³) |
| Mechanical Powershift Control                          | ROPS&FOPS Cabin              |
| LONKING Axles                                          | Mechanical Instrument Panel  |
| Flexible Shaft Controlled Caliper Brake(Parking Brake) |                              |

## OPTIONAL EQUIPMENT

|                                                  |                                     |
|--------------------------------------------------|-------------------------------------|
| Joystick Control                                 | High Lift &Additional Counterweight |
| 3F/3R LONKING Transmission                       | Quick Hitch Coupler                 |
| Air Conditioner                                  | Quick Hitch Bucket (1.8m³)          |
| Radio/MP3                                        | Bucket 1(2.0m³)                     |
| Cold Starting (-35°C)                            | Enlarged Bucket(2.3m³)              |
| Oil-bath Air Filter                              | Coal Bucket(2.5m³)                  |
| 17.5R25 ★★ L-3 TL                                | Bucket(3 Piece Cutting Edges)       |
| 3 <sup>rd</sup> Spool for Auxiliary Function     | Log Grapple                         |
| 3-lever Control for Lift&Tilt&Auxiliary Function | Grass Grapple                       |
| Sliding Cabin Window                             | Side Tip Bucket                     |
| Electric Heating Rear Window                     | Log Fork                            |
| Lockable Oil Tank Cap                            | 4in1 Bucket(Quick Hitch Only)       |
| Rear View Camera                                 | Snow Blade(Quick Hitch Only)        |
| Pressure Testing Connector                       | Close Sweeper                       |

### Surabaya

Jl. Raya Gilang 8, Gilang, Kec. Taman, Sidoarjo -  
Jawa Timur 61257  
Telp. 031 99794078

### Makassar

Jl. Ir. Sutami, Pertamina (Pengisian Gas Elpiji)  
PT. Pergudangan Permata Alam Blok B No. 10  
Makassar - Sulawesi Selatan  
Telp 04118037636

### Samarinda

Jl. Ampera Pergudangan Mangkupalas Bisnis  
Center Blok D20 Simpang Pasir  
Palaran, Samarinda - Kalimantan Timur