

**WISASTA**



# **FULL RANGE OF MINING MACHINERY 挖掘装载机系列**

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WBL300Backhoe Loader

- ◆ Operating weight: 8400±300kg
- ◆ Loaer capacity: 1m³
- ◆ Backho capacity:0.2m³



- ◆ Upgraded high-power engine with stronger power.
- ◆ Carraro drive axle and gearbox.
- ◆ FOPS&ROPS integral cab.

Overall dimensions

|                          |    |                |
|--------------------------|----|----------------|
| Operating weight         | KG | 8400±300       |
| Overall dimension(L×W×H) | mm | 5785×2284×3579 |
| Wheelbase                | mm | 2220±5         |
| Wheel tread              | mm | 1820/1734±5    |
| Ground clearance         | mm | >300           |

Performance

|                             |    |         |
|-----------------------------|----|---------|
| Loader capacity             | m³ | 1       |
| Loader breakout force       | KN | 58±2    |
| Loader lifting capacity     | KG | ≥3000   |
| Loader unloading height     |    | 2691±20 |
| Loader unloading reach      | mm | 713±20  |
| Loader digging depth        | mm | 89      |
| Backhoe capacity            | m³ | 0.2     |
| Backhoe digging force       | KN | 58±2    |
| Backhoe swing angle         |    | 186°    |
| Backhoe unloading height    | mm | 3554±50 |
| Backhoe max. digging depth  | mm | 4440±50 |
| Backhoe max. traction force | KN | 70±2    |

Engine

|                       |        |                    |
|-----------------------|--------|--------------------|
| Model                 |        | YuchaiYC4A105Z-T20 |
| Type                  |        | Mechanical         |
| Cylinders-bore×stroke |        | 4-108×132          |
| Rated power           | KW     | 75                 |
| Rated speed           | r/min  | 2200               |
| Min.fuel consumption  | g/kw.h | 210                |
| Max.torque            | N.m    | 400                |
| Displacement          | L      | 4.8                |

System pressure

|                             |     |      |
|-----------------------------|-----|------|
| Loading hydraulic system    | Mpa | 24   |
| Excavation hydraulic system | Mpa | 24   |
| Steering hydraulic system   | Mpa | 17.2 |

|                   |      |               |
|-------------------|------|---------------|
| Pump displacement | ml/r | 65            |
| Pump model        |      | JHP2040/2025  |
| Valve model       |      | HUSCO 6600C41 |

Steering system

|                     |    |                    |
|---------------------|----|--------------------|
| Type                |    | Hydraulic steering |
| Steering gear model |    | BZZ-E160CA         |
| Steering angle      |    | 50°(in) /39°(out)  |
| Min.Turning radius  | mm | 5554±50            |

Driving axle

|                       |   |                            |
|-----------------------|---|----------------------------|
| Model                 |   | CA396055S (F)/CA486491S(R) |
| Manufacturer          |   | CARRARO                    |
| Rated front axle load | T | 23.75                      |
| Rated rear axle load  | T | 18.75                      |

Transmission system

|              |  |              |
|--------------|--|--------------|
| Gearbox      |  | CARRARO      |
| Model        |  | TLB1         |
| Gears        |  | 4F, 4R       |
| Cooling mode |  | Wind cooling |

Tyres

|                          |      |                            |
|--------------------------|------|----------------------------|
| Front/Rear specification |      | 12.5/80-18 (F);16.9-28 (R) |
| Front tyre pressure      | Mpa  | 0.43                       |
| Rear tyre pressure       | Mpa  | 0.26                       |
| Max.travel speed         | Km/h | 36±2                       |

Brake system

|                 |  |            |
|-----------------|--|------------|
| Traveling brake |  | Hydraulic  |
| Parking brake   |  | Mechanical |

WBL400Backhoe Loader

◆ Operating weight: 10800KG ◆ Load bucket capacity:1.2m³ ◆ Backhoe bucket capacity:0.3m³



- ◆ Upgraded high-power engine with stronger power.
- ◆ Configure Carraro drive axle and gearbox, Danfoss load sensitive hydraulic system.
- ◆ Three steering modes provide you with more choices and excellent production efficiency.
- ◆ FOPS&ROPS integral cab, optional rotating seat integrated work control handle.
- ◆ The excavation work device adopts hydraulic sliding, which is more convenient to operate.
- ◆ The optional vehicle stabilization system reduces bumps during driving and increases comfort.

Overall dimensions

|                          |    |                |
|--------------------------|----|----------------|
| Operating weight         | KG | 10800          |
| Overall dimension(L×W×H) | mm | 6554×2543×3660 |
| Wheel base               | mm | 2293±10        |
| Wheel tread              | mm | 2050±10        |
| Ground clearance         | mm | 478            |

Performance

|                           |    |           |
|---------------------------|----|-----------|
| Load bucket capacity      | m³ | 1.2       |
| Load breakout force       | KN | 47        |
| Load lifting capacity     | KG | 2500      |
| Bucket unloading height   |    | 3153      |
| Bucket unloading distance | mm | 989±20    |
| Digging depth             | mm | 30        |
| Backhoe bucket capacity   | m³ | 0.3       |
| Backhoe digging force     | KN | 49.8      |
| Backhoe swing angle       |    | 180°      |
| Bucket unloading height   | mm | 5655/6392 |
| Max.Digging depth         | mm | 3230/4180 |
| Max.Traction force        | KN | 86        |

Engine

|                                 |                                                               |                    |
|---------------------------------|---------------------------------------------------------------|--------------------|
| Model                           |                                                               | YuchaiYC4A110Z-T23 |
| Type                            | Inline,direct injection,water-cooled,turbocharged,four-stroke |                    |
| Cylinders-Inner diameter×stroke |                                                               | 4-108×132          |
| Rated power                     | KW                                                            | 81                 |
| Rated speed                     | r/min                                                         | 2200               |
| Min.fuel consumption            | g/kw.h                                                        | 230                |
| Max.torque                      | N.m                                                           | 425                |
| Displacement                    | L                                                             | 4.8                |
| Optional configuration          |                                                               | Weichai            |

System pressure

|                             |     |    |
|-----------------------------|-----|----|
| Loading hydraulic system    | Mpa | 20 |
| Excavation hydraulic system | Mpa | 20 |
| Steering hydraulic system   | Mpa | 14 |

Steering system

|                     |      |                    |
|---------------------|------|--------------------|
| Type                |      | hydraulic steering |
| Steering gear model |      | BZZ-250            |
| Pump displacement   | ml/r | 80                 |
| Pump model          |      | HP3V80             |
| Steering angle      |      | ±36°               |
| Min.Turning radius  | mm   | 6950               |

Driving axle

|                       |   |                        |
|-----------------------|---|------------------------|
| Model                 |   | 26.32-1900\26.43M-1900 |
| Manufacturer          |   | Italy carraro          |
| Rated front axle load | T | 25                     |
| Rated rear axle load  | T | 18.75                  |

Transmission system

|              |  |                          |
|--------------|--|--------------------------|
| Gearbox      |  | Italy carraro            |
| Model        |  | SPS 4WD 4WS              |
| Gears        |  | 4F、4R                    |
| Cooling mode |  | Pressure oil circulation |

Tyres

|                     |      |         |
|---------------------|------|---------|
| Front/Rear Model    |      | 16.9-28 |
| Front Tyre Pressure | Mpa  | 0.35    |
| Rear Tyre Pressure  | Mpa  | 0.35    |
| Max.Travel Speed    | Km/h | 38      |

Brake system

|                 |                                               |  |
|-----------------|-----------------------------------------------|--|
| Traveling Brake | Wet internal self-regulatic self-balance type |  |
| Parking brake   | Manual brake                                  |  |