



### Engine

|                        |  |
|------------------------|--|
| Model                  | Cummins 6BTA5.9-C180                         |
| Type                   | Direct injection, turbocharged, water cooled |
| Rated power            | 132KW  |
| Rated speed            | 2200rpm                                      |
| Rated fuel consumption | 208g/kw-h                                    |

### Steering System

|                            |  |
|----------------------------|--|
| Front wheel steering angle | 45°(L/R)                                     |
| Turning radius             | 10.4m(non leant wheel)<br>10.9m(leant wheel) |
| Articulated steering angle | 25°(L/R)                                     |
| Drive type                 | Dual action cylinder                         |

### Dimensions

|                              |         |
|------------------------------|---------|
| Overall length               | 8585mm  |
| Overall width(wheel outside) | 2790mm  |
| Overall height               | 3340mm  |
| Wheel base                   | 6362mm  |
| Front tread                  | 2150mm  |
| Rear tread                   | 2340mm  |
| Tyre size                    | 17.5-25 |

### Transmission System

|                              |                                  |
|------------------------------|----------------------------------|
| Type                         | 3 elements, single stage         |
| Torque ratio                 | 1.5~3                            |
| Cooling type                 | Oil cooled, pressure circulation |
| Gear box type                | Power shift                      |
| Gear shifts(Forward/Reverse) | F6/R3                            |
| Travelling speed(km/h)       |                                  |
| Forward/Reverse I            | 5.23/5.23                        |
| Forward/Reverse II           | 7.95/11.84                       |
| Forward/Reverse III          | 11.84/25                         |
| Forward IV                   | 17.85                            |
| Forward V                    | 25                               |
| Forward VI                   | 36.08                            |

### Working Equipment

|                         |                               |
|-------------------------|-------------------------------|
| Control system          | Hydrostatic drive system      |
| Hydraulic pump          | Gear pump                     |
| Control valve           | Two sets, five pieces per set |
| Control pressure        | 18MPa                         |
| Hydraulic oil cylinder  | Dual action cylinder          |
| Max. tractive force     | 73.5KN                        |
| Ground penetration      | 500mm                         |
| Blade width             | 3965mm                        |
| Blade cycling           | 360°                          |
| Max. bank cutting angle | 90°(L/R)                      |

### Service Capacities

|                   |           |
|-------------------|-----------|
| Fuel tank         | 228L      |
| Engine crank case | 19L       |
| Hydraulic tank    | 130L      |
| Gear box          | 21L       |
| Rear axle         | 28L       |
| Balance box       | 23L(each) |
| Worm gear case    | 2.5L      |

### Axle

|                             |  |
|-----------------------------|--|
| Drive type                  | Four wheel drive(6x4)                  |
| Front axle ground clearance | 630mm                                  |
| Front wheel lean            | 17°(L/R)                               |
| Oscillation                 | ±15°                                   |
| Drive axle                  | Three stages with No-SPIN differential |

### Braking System

|               |   |
|---------------|---|
| Service brake | Hydraulic caliper disc brake<br>actuate 4 rear wheels |
| Parking brake | Hand operated hoop brake                              |

### Optional

|                   |
|-------------------|
| Five-shank ripper |
| Front dozer       |
| Air conditioner   |

### Tandem Drive

|             |   |
|-------------|---|
| Type        | Swing type with roller chain transmission |
| Speed ratio | 18.03                                     |