

Engine

Model	Cummins QSX15
Type	Six-cylinder, water-cooled turbocharged, electronic injection
Rated power	392KW
Rated speed	2100rpm

Main Technical Specification

N.V.W	33980Kg
Payloading capacity	45000Kg
G.V.W	80000Kg
Max. travelling speed	65km/h
Overall size(L×W×H)	8875×4240×4345mm
Wheel base	3960mm
Min. turning diameter	21m

Transmission System

Allison M5610AR, automatic electronic control, Integral torque converter and planetary gearing, 6 forward & 2 reverse

Drive ratio

Forward I	4.00
Forward II	2.68
Forward III	2.01
Forward IV	1.35
Forward V	1.00
Forward VI	0.67
Reverse I	5.12
Reverse II	3.46

Hoist System

Dual two-stage double acting cylinders mounted between the frame rails	
Max. working pressure	19MPa
Body raise and lower time	≤13/9s

Braking System

Service brake	Dual shoe external expanding, mechanically actuated by air pressure, independent front and rear system
Parking brake	Brake acting as parking brake when applied by manual control valve
Retardation brake	Non wearing hydrodynamic retarder integral with transmission

Frame And Dump Body

Frame

Full box-section with integral front bumper and closed loop crossmember, crossmember and rear torque tube and tail seat connections with frame rails adopting high strength alloy castings

Dump body

Longitudinal V-type with integral transverse box-section stiffeners, side plate and under floor ribs made of high yield point steel

Body capacity

Struck	21.5m ³
Heaped(SAE2:1)	27.5m ³

Steering And Suspension System

Steering

Independent hydrostatic steering with closed-centre steering valve, accumulator and pressure compensating piston pump

Suspension

Self-contained, variable rate, nitrogen/oil cylinders, independent front and rear suspension

Drive Axle

Heavy duty axle with single reduction spiral bevel gear differential, full floating axle shafts, planetary reduction at each wheel

Ratio

Differential	3.15:1
Planetary	5.66:1
Total reduction	17.83:1

Cab And Tyre

Cab

Acoustic lining, A/C, door locks, floor mat, ROPS, heater and defroster, interior light, adjustable seat, adjustable steering column, full cab width sun visor, tinted glass, 2-speed windshield wiper

Tyre

Tyre size	21.00-35
Rim size	15.00-35