Standard Equipment

CAB:
Air Conditioner
5.4kW (18 500 BTU/hr)
Acoustic Lining
Door Locks
Floor Mat
ROPS Protection Body
Cabguard ISO 3471
FOPS Protection ISO 3449

Heater and Defroster 10.3 kW (35 000 BTU/h) Interior Light /Courtesy Light Seat, Operator Seat, Passenger Seat Belts SAE J386 Steering Column - adjustable Sun Visor - full cab width **Tinted Glass Utility Compartment** Windshield Wipers, 2 speed, and Washers Controls Battery Isolator Automatic Transmission Shift Transmission Test Button Power/Economy Key Switch Manual Mode Key Switch Gauges - electric: Converter Temperature Engine Coolant Temperature Engine Oil Pressure Fuel Speedometer/Odometer Tachometer/Hourmeter Transmission Oil Pressure Indicators - Light and Alarm: Brake Pressure, front

Brake Pressure, rear

Steering / Brakes oil level

Air Cleaner Restriction

Alternator Not Charging

Brake Oil Temperature Converter Drive

Coolant Temperature

Direction Indicators Engine Oil Pressure

Transmission, "Do not shift"

Stearing Pressure

Indicator Lights only:

Coolant Level

Body Up

Indicator Lights continued:
Headlamps, Main Beam
Parking Brake 'On'
Retarder 'On'
Steering Filter Restriction
Transmission 'Check'
Transmission Filter
Restriction
Transmission Manual Mode
Transmission Oil
Temperature
Warning Light Test

Warning Light Test
GENERAL:
Accumulator Steering
Air Cleaners (3), two stage
Body Down Signal
Body Heating, Exhaust
Body Hoist, Servo Actuated
Cold Start Kit
Coolant Filter
Diagnostic Pressure Test Points
Downshift Inhibitor
Dual Brake System
Engine pre-lube starter

Engine pre-lube starter
Engine Pan Guard
Exhaust Muffler, part time
Front Brake Pressure Reduction
Selector
Fuel Sight Gauge
Headlights - Quartz Halogen (4)
Horn, Dual Electric,
117dB SAE J1105

117dB SAE J1105
Mud Flaps
Operator Arm Guard
Parking Brake
Rear View Mirrors -4
Radiator, replaceable tube core
Retarder, Transmission or Oilcooled Disc Brakes
Retarder Light-amber, rear
Reverse Alarm
Reversing Light quartz halogen
Rock Ejectors
Secondary Brake System
Security Kit
Side, Tail, Stop, Direction

Indicators and Hazard

Tow Points, front and rear

Transmission Guard Radio/Cassette Player

Warning Lights

Specifications subject to change without notice.

Optional Equipment

Automatic Lubrication System Body, Enlarged Capacity Body Wear Plates Fire Extinguisher Electronic Tachograph Fuel Tank Ladder Fast Fuel Adaptor Oil Heater Reversing Light Automatic Extinguisher
Battery Warm Coat
On-board Weighing System
Air Precleaner
Cold Protection Curtion
Spillguard Extension, folding
Engie Heater
Engie Cold Start Kit

Weights

	K	lb
Chassis, with hoists	53 240	117 380
Body, standard	15 380	33 900
Net Weight	68 620	151 280
Rating Payload	91 000	200 617
Permissible gross weight*	160 000	352 734
* Darmissible areas vahiala wai	abt with antiona	

* Permissible gross vehicle weight with options, attachments, full fuel tank and payload.

Weight distribution:	Front Axle	Rear Axle	
Empty	49%	51%	
Loaded	34%	66%	

Service Capacities

SERVICE CAPACITIES	litres	(US gal)
Engine Crankcase and Filters	134	(35.4)
Transmission and Filters	100	(26.0)
Cooling System	304	(80.3)
Fuel Tank	1090	(288.0)
Steering Hydraulic Tank	61	(16.1)
Steering Hydraulic System (Total)	····· 72	(19.0)
Body Hydraulic Tank	297	(78.5)
Body Hydraulic System and		
Brake Cooling System	557	(147.1)
Planetaries (Total)	57	(15.1)
Differential	61	(16.1)
Front Ride Strut (Each)	27	(7.1)
Rear Ride Strut (Each)	18	(4.8)
Power Take Off	4	(1.1)









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Frame

Full box section frame rails, integral front bumper, closed-loop crossmember and rear torque tubes of high yield strength steel and tail seat. Crossmember connections are high strength alloy steel castings.

Engine

Model Cummins QST30 Type 4 Cycle Turbocharged/ Aftercooled Gross Power @ 2 100 rev/min 783 kW (1 050 hp) Net Power @ 2 100 rev/min 727 KW (975 hp)
Gross Power rating to SAE J1995 June 90. Engine requires no deration up to 3 050 m (10 000 ft) altitude. Maximum Torque

Transmission

Allison H8610AR CEC2 Automatic Electronic Control. Remote Mounted in the frame with integral TC 890 torque converter and planetary gearing. Six speeds forward, one reverse. Automatic lock-up in all speed ranges. Downshift inhibitor. Hydraulic retarder. Speeds with standard planetary:

	Forwa	ard					Reverse
	1st	2nd	3rd	4th	5th	6th	R1
Ratios:	4.24	2.32	1.69	1.31	1.00	0.73	5.75
km/h:	8.2	15.0	20.6	26.5	34.8	47.6	6.0
mile/h:	5.1	9.3	12.8	16.5	21.6	29.6	3.8

Drive Axle

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

		Standard
Ratios:	Differential	2.16:1
	Planetary	13.75:1
	Total Reduction	

Suspension

Tyres

Rim Width Standard: Front and Rear 27.00-49 (48PR) E-419.5in

Consult tyre manufacturers for optimum tyre selection and correct t-km/h (ton-mile/h) capacity for application.

Brakes

SERVICE - All hydraulic brake system control. Transmission mounted pressure compensating piston pump provides hydraulic pressure for brakes and steering. Independent circuits front and rear. Each circuit incorporates a nitrogen/hydraulic accumulator which stores energy to provide instant braking response.

Front	Dry Disc	
	Disc diameter	965 mm (38 in)
	Pad area, total	2015 cm ² (320 in ²)
Rear	Oil cooled, multiple disc,	completely sealed from
	dirt and water.	
	Braking surface total	87 567 cm ² (13 573 in ²)

PARKING - Rear brakes applied by spring loaded opposing piston on disc pack, hydraulically released.

RETARDATION - Modulated lever control of rear disc brakes or hydraulic retarder in transmission. 920 kW (1 234 hp) continuous.

SECONDARY - Park push button solenoid control applies service and parking brakes. Automatically applies when engine is switched off. Parking brake applies when system pressure falls below a pre-determined level.

Brakes conform to ISO 3450, SAE J1473 Oct 90.

Steering

Independent hydrostatic steering with closed-centre steering valve, accumulator and pressure compensating piston pump. Accumulator provides uniform steering regardless of engine speed. In the event of loss of engine power it provides steering of approximately two lock-to-lock turns.

A low pressure warning light activates should the system pressure fall below 83 bar (1 200 lbf/in²).

Steering conforms to ISO 5010, SAE J53.

Hois

Two body hoists mounted inside the frame rails. Hoists are twostage with power down in the second stage. The body hydraulic system is independent of the steering hydraulic system.

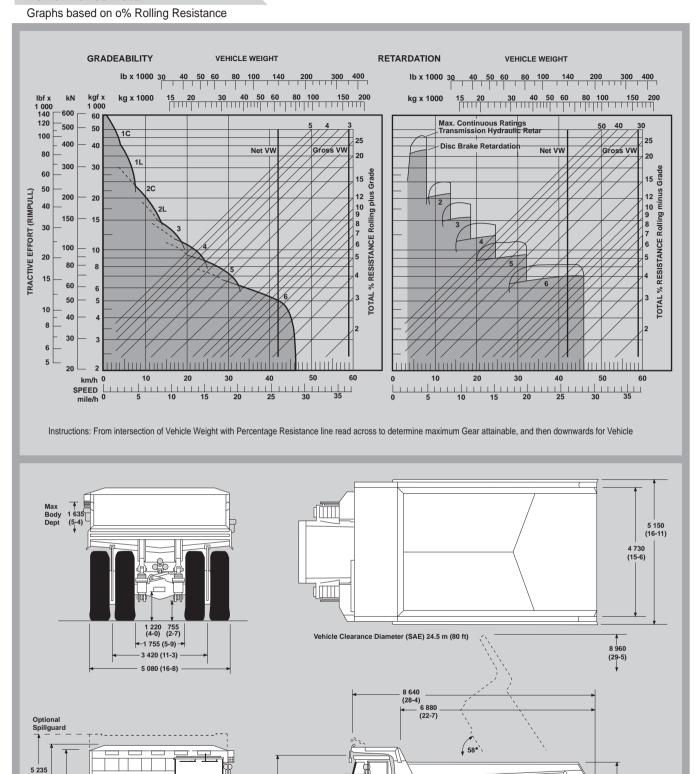
Bod

Longitudinal 'V' type floor with integral transverse box-section stiffeners. The body is haust heated and rests on resilient impact absorption pads.

Body wear surfaces are high hardness abrasion resistant steel of yield strength.

Thickness:	Floor	19 mm (0.75 in)
	Side	10 mm (0.39 in)
	Front, lower	10 mm (0.39 in)
ROPS Cabgu	ard SAE J1040 Feb 86, IS	O 3471
Volumes:	Struck (SAE)	41.6 m ³ (54.4 yd ³)
	Heaped 2:1 (SAE)	57.0 m ³ (74.5 yd ³)

Performance Data



← 3 150 (10-4) -

10 820 (35-6)

- 2 945 (9-8)

3 760 (12-4)

4 570 (15-0)

5 150 (16-11)

4 850 (15-11)