

WABCO

MODEL 35C
HAULPAK® REAR DUMP
TRUCK



- 5,000 hour (one year) no cost Hydrair® suspension guarantee.
- Longer tire life from big 18.00-33 tires.
- More power per pound (kg.) of truck weight for superior performance.
- More operator comfort with rubber-mounted deluxe cab, offset left of engine for safe, all-around visibility.
- Faster dumping, better reliability with new, sealed larger-capacity hydraulic system.
- Time-saving maneuverability from short turn circle adds extra cycles daily.
- High availability – frame, final drive, etc. torture tested to assure reliability.
- Easier loading by front-end loader because of longer, lower V-shaped body.

WABCO CONSTRUCTION AND MINING EQUIPMENT GROUP
2300 N.E. Adams Street, Peoria, Illinois 61639



35C HAULPAK REAR DUMP TRUCK SPECIFICATIONS

Specifications are subject to change without notice or obligation.

CUMMINS NTA-855-C ENGINE

ENGINE, Diesel	Cummins NTA-855-C
Number of Cylinders	6
Operating Cycle	4 Stroke
* Rated Brake HP	420 @ 2300 RPM
** Flywheel HP	395 @ 2300 RPM
Rating Baseline	up to 6000 ft (1.829m) Altitude @ 100° F. (37,8 c)
Maximum Torque	1055 ft-lbs (146 kg-m) @ 1600 RPM
Bore	5 1/2" (139.7 mm)
Stroke	6" (152.4 mm)
Displacement	.855 cu. in. (14.01 liters)

DETROIT DIESEL 12V-71N ENGINE

ENGINE, Diesel	Detroit Diesel 12V-71N
Number of Cylinders	12
Operating Cycle	2 Stroke
* Rated Brake HP (SAE)	456 @ 2100 RPM
** Flywheel HP	425 @ 2100 RPM
Rating Baseline	Sea Level @ 60°F. (15.6°)
Maximum Torque	1250 ft-lbs (173 kg-m) @ 1600 RPM
Bore	4 1/2" (108 mm)
Stroke	5" (127 mm)
Displacement	852 cu.in. (13.96 liters)

*(Rated brake horsepower is the output of the engine as installed in this machine, at governed RPM and with engine manufacturer's approved fuel setting. Accessory losses included are water pump, fuel pump, and lube oil pump. Output guaranteed within ± 5%.)

** (Flywheel horsepower is the rated horsepower at the flywheel minus the average accessory losses. Accessories include fan, generator, air compressor and hydraulic pump at no load.)

COMMON SPECIFICATIONS APPLYING TO ALL POWER TRAINS

SPEEDS in MPH and (Kilometers/hr.)

	CUMMINS	DDAD
Forward, 1st	7.5 (12 07)	6.8 (10 94)
2nd	12.2 (19 64)	11.1 (17 87)
3rd	18.7 (30 12)	17.0 (27 37)
4th	27.7 (44 59)	25.2 (40 57)
5th	38.8 (62 46)	35.3 (56 83)
Reverse, 1st	8.7 (14 00)	8.0 (12 88)

FINAL DRIVE ASSEMBLY

Differential	Power Transfer, automatic friction type no slip differential. Automatically puts power on wheel with traction. When one wheel tends to spin, differential transfers up to 3 times its tractive effort to wheel on firmer footing.
Final Drive	Double reduction type
Ratios: Bevel set	2.29:1
Final Set	5.50:1
Total Reduction	12.62:1

SERVICE CAPACITIES

	Gallons (U.S. Std.)	Liters
Cooling System — Cummins	22	(83)
Cooling System — DDAD	28	(106)
Crankcase — Cummins	6.5	(25)
Crankcase — DDAD	9.5	(36)
Hydraulic System	60	(227)
Transmission & Torque Converter	8	(30)
Final Drive	32	(121)

TRANSMISSION

Allison CLBT 750	w/torqmatic brake, torque converter
Lock-up type — Cummins	Allison TC 497
Lock-up type — Detroit Diesel	Allison TC 498
Shift Control	Mechanical Type Automatic Hydraulic valve gear selection in forward drive range.

COOLING SYSTEM Continuous finned, flat tube type radiator, with 1840 sq. in. (11.871 cm²) of frontal area
36 1/2" (92.7 cm) diameter fan with 8 blades,
constant running fan. Fan shroud is Hartzel type.
Radiator is rubber mounted. Deaeration type top tank

FUEL TANK 120 U.S. Standard Gallons (455 liters)

AIR COMPRESSOR Capacity 12 cmf (0.34 m³/min)

AIR CLEANER Cummins NTA-855-C Single 64 tube dry type
Detroit Diesel 12V-71N Dual 40 tube dry type

FRAME Special alloy steel modified box section frame
with integral front bumper and cross member
Top and bottom plate thickness 3/4" (19mm)
Side plate thickness 3/8" (9.5mm)
Rear Axle mounting Ball and socket joint at front and
two HYDRAIR® suspension units at rear
Rear Axle alignment Panhard rod between frame
and axle housing

SUSPENSION, HYDRAIR II Variable rate air-hydraulic
suspension with integral rebound control
Length of stroke, front 14 1/2" (36.83 cm)
Length of stroke, rear 10 1/4" (26.04 cm)

BRAKES, Shoe Type-Wedge Actuated Air over hydraulic
Size, Front 20 1/4" x 5" (51.4cm x 12.7cm)
Rear 26" x 8" (66.0cm x 20.3cm)

STEERING Full time power steer
Turning degree, each direction 42°
Turning circle on front wheel track 49' 0" (14.93m)
Emergency power steering standard Electrically driven
hydraulic pump

PARKING BRAKE Bendix, lever operated, internal
expanding type. Located on input pinion. 12" (304.8mm)
diameter by 5" (127 mm) width, 147 1/2 sq.in. (951.7cm²)
of braking surface. Safety type, automatic
engagement when air is off.

CABDeluxe interior, rubber mounted, fully enclosed, offset to left, 52" (1321 mm) wide with adjustable ventilators and floor mat.

Windshield Safety, 15° tilt

Seat, Drivers Fully adjustable

Environmental All-weather fresh air heater and full windshield defroster. Cab is insulated for sound and temperature control.

ELECTRICAL SYSTEM

Electric Starter, NTA-855-C 24 volts
12V-71N 24 volts

Batteries, Electric Starter Two 12-volt in series, 25 plates per cell, 200 ampere-hr. capacity

Batteries, Air Starter Two 12-volt in series, 13 plates per cell, 90 ampere-hr. capacity

Alternator 24-volt, 50 amp output

Lighting system 24-volt

STARTING SYSTEM

Electric, standard Delco-Remy

Air, optional Ingersoll Rand

BODY

BODY

Construction . . High strength 100,000 PSI (7.031 kg/cm²) yield steel. 3/4" (19mm) one piece bottom plate. 3/8" (9.5mm) side and 1/2" (12.7mm) front body plate. Heavy bolster and sill construction. Body rubber mounted on frame.

HOISTHydraulic, twin cylinder, 3-stage double-acting, telescopic type mounted on outside of frame for accessibility. Ball and socket connection.

Hoist pump @ 2100 RPM80 GPM (302.8 liter/min) @ 1800 PSI (127kg/cm²) at rated load.

Relief pressure set at 2500 PSI (176 kg/cm²)

CAPACITY

Cubic yards, struck23.0 (17.59 m³)

Heaped @ 3:127.0 (20.64 m³)

@ 2:1(SAE)29.0 (22.17 m³)

@ 1:134.0 (26.00 m³)

Tons35 (31.77 m. tons)

BODY DIMENSIONS

Length 15' 9" (4.80 m)

Width, Inside 11' 0" (3.35 m)

Depth 5' 11" (1.80 m)

Dumping Angle55°

GENERAL

GENERAL DIMENSIONS

Length, Overall25' 4" (7.72m)

Length, Chassis20' 7" (6.27m)

Width, Overall12' 5" (3.78m)

Height, Loading11' 0" (3.35m)

Height, Dumping24' 3" (7.39m)

Height, Overall13' 1" (3.99m)

Wheelbase10' 10" (3.30m)

Front Track, center line9' 11" (3.02m)

Drive Track, center line8' 3" (2.51m)

Front Clearance, Bumper34" (0.86m)

Drive Clearance19" (0.48m)

TIRES & RIMS

For maximum tire service WABCO recommends that the user review intended applications of his equipment before selecting tires, in order to avoid exceeding the tire manufacturer's recommended limits.

STANDARD TIRES

18.00-33, 28PR Rock (E3) Tubeless .135 TMPH rating (197 tk/h)*

OPTIONAL TIRES

18.00-33, 32 PR Rock (E3) Tubeless .135 TMPH rating (197 tk/h)*

18.00-33, 24 PR Rock (E4) Tubeless .115 TMPH rating (168 tk/h)*

18.00-33, 28 PR Rock (E4) Tubeless .115 TMPH rating (168 tk/h)*

18.00-33, 32 PR Rock (E4) Tubeless .115 TMPH rating (168 tk/h)*

18.00-33 Radial steel cord240 TMPH rating (350 tk/h)*

RIM SIZE FOR ALL TIRES LISTED ABOVE13.00-33

* Estimated ton mile per hour rating at 100° F. (38° C) ambient temperature. Use as a guide only. Contact tire manufacturers for precise data.

TIRE SPACING

Inside, Front8' 3" (2.51m)

Drive4' 7" (1.40m)

Outside, Front11' 8" (3.56m)

Drive12' 0" (3.66m)

WEIGHTS

Pounds Kilograms

Chassis with hoists, empty 42,310 (19 191)

Body, empty 14,800 (6 713)

Net Weight, No load 57,110 (25 904)

Payload 70,000 (31 752)

Gross Weight 127,110 (57 656)

WEIGHT DISTRIBUTION:

	Empty	Loaded
Front Axle	28,898 lbs. (23 108)	41,184 lbs. (18 681)
Rear Axle	28,212 lbs. (12 797)	85,926 lbs. (38 976)

STANDARD EQUIPMENT

Air cleaner restriction gauge, air foil fan-constant running, alternator, ammeter, cigarette lighter and ash tray, deluxe cab w/floor mat, dome light, dry air cleaner, engine belly guard, engine oil pressure gauge, engine temperature gauge, exhaust heated body, fresh air heater and full windshield defroster (25,000 BTU), fuel gauge on tank, headlights (4) with beam selector, headlights hi-beam indicator, hour meter, mirror-left hand, parking brake, passenger seat, power steering, power transfer differential, reusable hoses and fittings, road condition valve, rock ejectors, speedometer, starter key switch, tachometer non-recording, tinted glass in windshield, torque converter oil temperature gauge, tow loops-rear, tow pin-front, transmission oil pressure gauge, transmission shift indicator, 24-volt electric system, wheel brake lock, windshield wiper.

STANDARD SAFETY EQUIPMENT

Air horn, air-over-hydraulic shoe brakes, air pressure gauge, back-up light, canopy extension and deflector, emergency braking system, emergency power steering, tail and stop light, instrument panel lights, low air pressure and hi-engine coolant temperature alarm, seat belt (driver and passenger), skid resistant coating on walkway, sunvisor (driver), parking brake warning light.

NOTE 1: Standard safety equipment conforms to SAE codes as follows: SAE J 166 Safety Brakes, SAE J - Safety Steering (not finalized by SAE), SAE J 386 Seat Belts, SAE J 919 Sound.

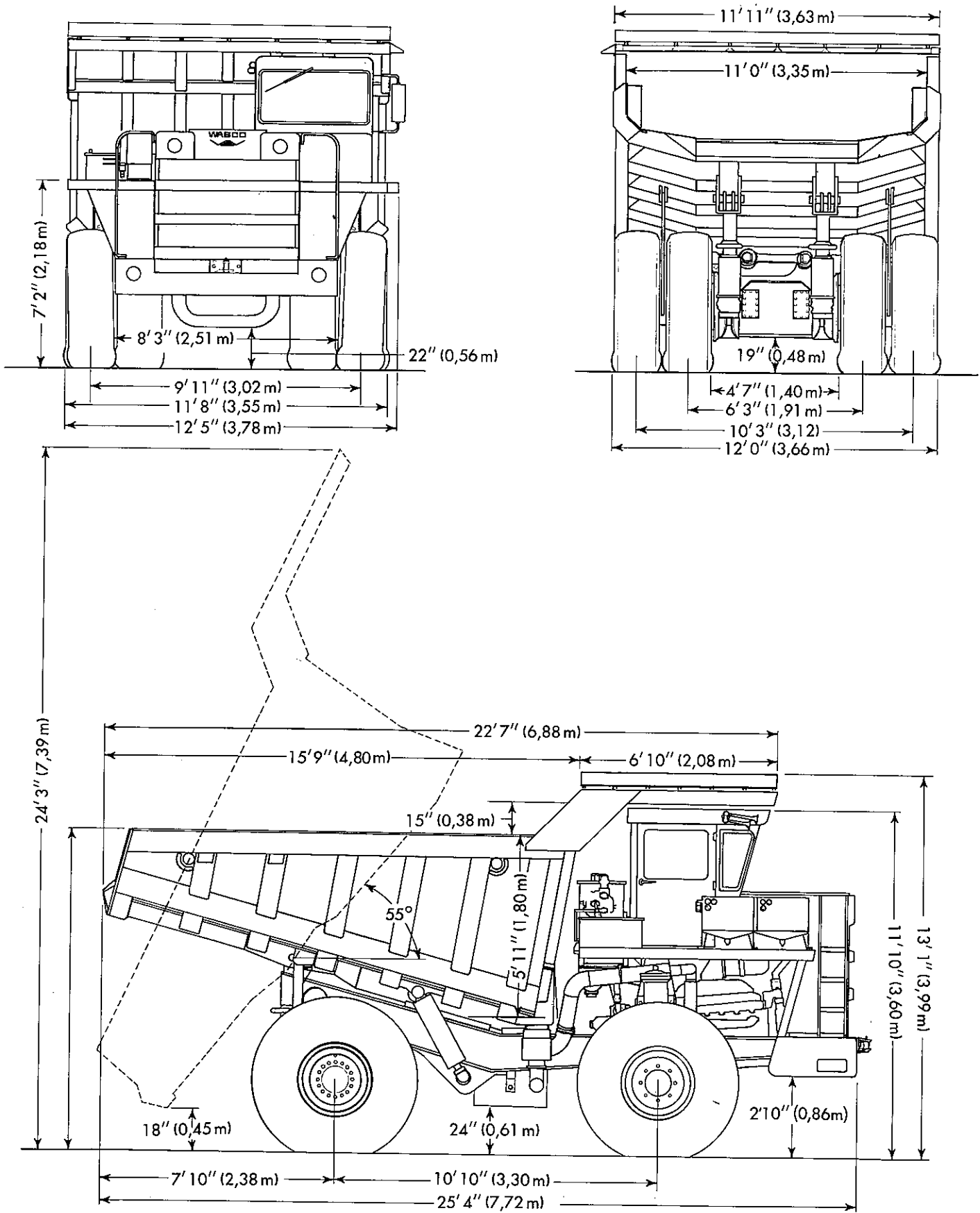
OPTIONAL EQUIPMENT AND ACCESSORIES

Back-up warning horn, fenders, belly guard for transmission, mirror-right hand, air conditioner (21,500 BTU), air starter with 24-volt electrical system, radiator shutters and thermostatic fan, thermostatic fan, windshield washer-foot powered.

NOTE 2: Optional safety equipment conforms to SAE codes as follows: SAE J321A - Fenders, SAE J 994 - Back-up Warning Horn.

(Other optional equipment is available. Contact factory.)

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