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# INTERNATIONAL MOTOR TRUCKS

MODEL AACODT-182



# ESSENTIAL INFORMATION MODEL AACODT-182 DIESEL

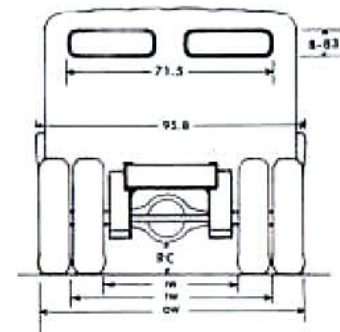
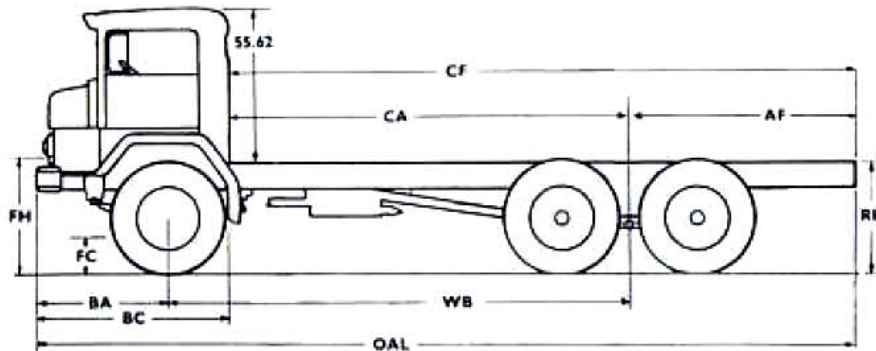
## weight ratings

Wheelbase, inches	142	166	190
Gross vehicle weight, lb.	37,000	37,000	37,000
Gross combination weight, lb.	43,500	43,500	43,500
Payload, inc. body weight (truck with cab), lb.	27,812	27,644	27,392
Cab and chassis weight, inc. oil, water, 2 gall. fuel and spare tyre, lb.:			
Front axle	4,462	4,588	4,644
Rear axle	4,726	4,768	4,964
Total	9,188	9,356	9,608
Axle capacities, lb.:			
Front	9,250	9,250	9,250
Rear	32,000	32,000	32,000

## chassis dimensions, inches

Wheelbase	(WB)	142	166	190
Overall length, including bumper	(OAL)	273.3	309.3	345.3
Back of cab to rear axle	(CA)	119.8	143.8	167.8
Rear axle to end of frame	(AF)	84.2	96.2	108.2
Frame length from back of cab	(CF)	204	240	276
Bumper to front axle	(BA)	47.4	47.4	47.4
Bumper to back of cab	(BC)	69.3	69.3	69.3
Height to top of chassis frame:				
Front loaded	(FH)	33.5	33.5	33.5
Rear loaded	(RH)	36	36	36
Rear empty	(RH)	38	38	36

Road clearance:			
Front axle	(FC)	12.1	12.1
Rear axle	(RC)	9.8	9.8
Maximum overall width (rear axle)	(OW)	92.1	92.1
Tread:			
Front wheels	(TW)	78.1	78.1
Rear wheels	(TW)	70	70
Inside width	(IW)	47.9	47.9
Turning radius, ft.:			
To centre line of tyre		25	28
With bumper clearance		27	30
			31 1/2
			33 1/2



## standard specifications

**FRAME:** Pressed, steel channel, 9" x 3" x 1/4". Inverted L-type reinforcement, 9 1/4" x 3/4" x 1/4".

**ENGINE:** Perkins 6-354 six cylinder diesel valve-in-head type, 3.875" bore, 5.00" stroke, displacement 354 cu. in. Compression ratio 16:1 Horsepower — R.A.C. rating 36, max. brake 120 @ 2800 r.p.m. Max. torque 260 lb. ft. @ 1450 r.p.m. Seven main bearings of steel backed aluminium tin, with maximum projected area of 26.61 sq. in.

**LUBRICATION:** Pressure. Full-flow oil-filter system with removable cartridge. Crankcase capacity 22 pints (refill).

**COOLING SYSTEM:** Centrifugal pump, balanced circulation, V-belt driven. Fin-and-tube radiator. Large capsule-type thermostat. Capacity entire system, 14 quarts.

**ELECTRICAL SYSTEM:** 12-volt. Battery 106 amp. hr. capacity. Four sealed beam headlights, parking lights located below headlights, incorporating flashing turn indicators.

**FUEL SYSTEM:** Distributor type fuel pump. Paper element fuel filter. Oil bath air-cleaner. Fuel tank 25 1/2 gallons, located outside frame, right side.

**CLUTCH:** 12" diameter, with roller-type fingers. Vibration damper. Lining area 133.1 sq. in.

**TRANSMISSION:** Synchromesh except first and reverse. Five speeds forward with overdrive in fifth gear; ratios — 6.21, 3.43, 1.81, 1.00 and .823. One reverse speed; ratio — 6.08 to 1. P.T.O. openings on right and left sides. Lubricant capacity 10 pints.

**PROPELLER SHAFT:** Dynamically balanced, heavy-gauge steel tubing. Needle-bearing, anti-friction, universal joints. Centre bearing — self-aligning silent-spin type.

**AXLE, FRONT:** Forged, heat-treated, drop-centred I-beam. Steering knuckles of drop-forged, heat-treated manganese-molybdenum steel.

**AXLE, TANDEM REAR:** Tandemtrac with front axle drive. Driving axle — full floating, two-speed, electric-shift, spiral bevel type; four pinion planetary-spur reduction gears (for low ratio); Hotchkiss drive; chrome-molybdenum-steel axle shafts; heat-treated, one-piece, tubular banjo-type steel housing, pinion overhung; ratios 6.50/9.04 to 1.

**BRAKES, HAND:** Internal expanding drum type on propeller shaft. Lining area of 111 sq. in.

**BRAKES, SERVICE:** Hydraulic — vacuum booster. Both primary and secondary shoes equally effective in either forward or reverse direction. Oil-bath vacuum-line air-cleaner. Total effective lining area 784.6 sq. in.

**SPRINGS:** Semi-elliptic. Front 54" x 3" (two stage).

**SHOCK ABSORBERS:** Double-acting telescopic (front only).

**STEERING:** Semi-reversible cam and roller mounted twin-lever gear. 20" diameter safety-type steering wheel. Ratio — 24.1 to 1. Power assisted steering.

**WHEELS:** Cast spoke.

**TYRES:** 9.00-20 12-ply (front). 9.00-20 10-ply (duals rear).

**CAB:** Two vinyl-coated bucket seats with seat cushions and foam-rubber padded backrest. Driver's seat adjustable 3". One-piece safety glass windshield, windows and Silent-Vent window wings, safety-type door latches, left-door lock. Large externally-mounted rectangular 'west coast' rear-vision mirror, dual electric self-parking windshield wipers, dual sun-visors, ash-tray, heavy-duty floor mat and chrome hand rail.

**STANDARD EQUIPMENT:** Cab and chassis, front bumper, spare wheel, tool-kit unit and jack.

**OPTIONAL EQUIPMENT:** Transmission: 5-speed with direct in fifth speed.

**FINISH:** Frame, wheels, bumper — black. Choice of six colours on cab.

**COLOURS:** Harvester red, Harvester green, Broome blue, Goulburn green, Granite grey, Nullarbor beige.

In order that product improvements may be introduced at any time, the right is reserved to change specifications without notice. Illustrations shown may include non-standard items.

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