

INTERNATIONAL TRUCKS ACCO-D SERIES

ACCO-1850D/160

4X2



RATINGS. GROSS VEHICLE MASS (GVM) & GROSS COMBINATION MASS (GCM) in tonnes

GVM:	STANDARD 14.34Δ		OPTIONAL 16.00	
	FRONT AXLE	FA-343	6.00	FA-343
Suspension	Std.	6.35	Std.	6.35
Tyres	10.00-20	5.62	11R-22.5	6.00*
	14 ply		16 ply	
Rating		5.62		6.00
REAR AXLE	RA-132	10.00	RA-132	10.00
Suspension	Std.	11.11	Std.	11.11
Tyres	10.00-20	8.72	11R-22.5	10.52*
	12 ply		16 ply	
Rating		8.72		10.00

*These ratings also apply to 10.00 R20 16ply tyres

GCM:** STANDARD 24.0Δ

Δ GVM/GCM 13.9t with optional T327 automatic transmission.

** Radial tyres recommended for optimum performance.

STANDARD EQUIPMENT

AXLE FRONT

FA-343 (Spicer I-132) 6.0t capacity. Δ Forged steel I-beam.

AXLE REAR

RA-132 (Spicer M220-T) 10.0t capacity, two speed. Δ Full floating hardened axle shafts. Δ Ratio: 4.89/6.66

BRAKES PARKING

Spring actuated, piggy back on rear axle. Δ Total lining area: 2800cm².

BRAKES SERVICE

Dual air system with compressor displacement of 229 cm³ (10 CFM at 1250 RPM) and low air pressure warning light and buzzer. Δ Size: 419 x 127mm (16.5 x 5in.) S-cam front; 419 x 178mm (16.5 x 7in.) S-cam rear. Δ Total lining area: 5006 cm². Δ Two air reservoirs - total volume 62.0 litres.

CAB

2.18m width all steel with safety glass windows, laminated windscreen. All exterior cab panels and structural members are made from double-sided zinc steel sheet. Δ Manual tilt. Δ Door lock on both doors. Δ Derby 5000 fully adjustable driver's seat. Adjustable fore and aft, with height and inclination adjustment. Weight and suspension adjustments are controlled by springs and hydraulic shock absorber. Δ Arm rests on doors. Δ Wide passenger seat. Δ Seat belts (for driver and passenger). Δ Triple electric two-speed windshield wipers. Δ Windshield washers. Δ Sunvisors. Δ Ashtray. Δ Vinyl floor mats with sound deadening insulation. Δ Interior light, with two door courtesy light switches and regular inside switch. Δ Power ventilation - fresh air heater demister with three speed fan. Δ Fresh air circulation including windshield. Δ Additional ram air system to the driver's face and feet with ability to select both warm air to the feet and fresh air to the face. Δ Heater cover incorporating three oddment trays. Δ Westcoat mirrors. Δ Lockable glove box. Δ AM-FM stereo/cassette with door mounted speakers. Δ Individual instruments comprising: fuel level, two air pressure, and one water temperature gauge, speedometer, odometer and electronic tachometer. Δ Warning lights for low oil pressure, brake fail, alternator.

CLUTCH

356mm (14in.) single plate with ceramic facing, mechanical control. Δ Lining area: 313cm²

ELECTRICAL SYSTEM

12 volt. Δ Circular sealed beam 75/50 Watt headlights with front parking lights. Δ Front directional signals with cab clearance lamps. Δ Reversing lights. Δ Dual tail/stop/turning signal lamps. Δ Front and rear flashing hazard lights. Δ Fuse panel to protect circuits. Δ Two batteries, negative to earth 450 amps SAE cranking power per battery, Δ 55 amp. alternator.

ENGINE

Perkins Phaser 160T, 6 cyl. turbo charged diesel engine. Δ Maximum gross power 119kW (160BHP) at 2600 RPM - SAE J1349 rating. Δ RAC HP rating 37.0. Δ Maximum gross torque 516Nm (381 lb.ft.) at 1600 RPM. Δ Quadram direct injection. Δ Displacement 6.0 litre. Δ Compression ratio 16:1. Δ Cable throttle control. Δ Horizontal muffler and vertical tailpipe. Δ Viscous drive fan. Δ Gear driven water pump and air compressor. Δ 254mm(10in.) cyclopad dry element air cleaner with restriction indicator. Δ Thermo start.

FINISH

Electro-phoretic deposited undercoat with acrylic enamel finishing coat. Δ Interior fully trimmed with soft sound deadening material. Δ Interior colour scheme: Trim-Mid Brown & Tawny Gold; Interior - sheet metal - White, except instrument panel which is Sierra Tan. Δ Cab: White. Δ Chassis and Wheels: Black. Δ Bumper, Fenders & Step Valance: Magnum Silver.

FRAME

Pressed steel channel, 229 x 76 x 6.5mm (9 x 3 x 0.25in). Δ Inverted L reinforcement, 226 x 83 x 6.5mm (8.9 x 3.25 x 0.25in.) Δ Combined section modulus (per side): 228cm³ (13.91 in³). Δ Formed steel channel front bumper. Δ Side mounted tyre carrier. Δ Wheelbase: 5.0m (197in.).

FUEL SYSTEM

Single 159 litre capacity tank, right side. Δ Mechanical fuel pump. Δ Paper element fuel filter.

STEERING

Sheppard 392-SGR4 power assisted steering gear with gear driven pump. Δ 508mm diameter dished steering wheel, column-mounted self cancelling turn indicator and hazard light switch.

SUSPENSION

Semi elliptical leaf springs. Δ Front 1.37mx100mm leaf springs and Aeon rubber springs, 6.35t capacity at ground. Δ Double acting shock absorbers. Δ Rear 9.07t capacity variable rate springs with 2.04t capacity auxiliary springs.

TRANSMISSION

T243 Spicer ES42-5D 5 speed synchromesh. Δ Ratios 7.22, 3.88, 2.22, 1.26, 1.00 Reverse 7.22.

UNIVERSAL JOINTS

Spicer 1550 needle roller bearing.

WHEELS AND TYRES

Single front and dual rear. Δ Cast six spoke front and rear wheels. Δ 7.50 V rims. Δ 10.00 20 14 ply tyres - front. 10.00 20 12 ply tyres - rear. Δ Spare rim and tyre.

* Changed from previous issue.

INTERNATIONAL TRUCKS T-2600 SERIES II

TK-2670/LT250

8 x 4



RATINGS. GROSS VEHICLE MASS (GVM) & GROSS COMBINATION MASS (GCM) in tonnes

GVM:		28.23	
FRONT AXLE			
Suspension	FA-343		12.00
Tyres	10,00-20		11.24
	14 ply		
Rating			11.00
REAR AXLE			
Suspension	RA-329		17.23
Tyres	RT380S		17.23
	10,00 - 20		17.44
	12 ply		
Rating			17.23

GCM: STANDARD 43.00

STANDARD EQUIPMENT

AXLE, FRONT

Two FA-343, (Spicer I-132) each 6.0 t capacity. Δ Forged steel I-beam.

AXLE, REAR

RA-329, (Rockwell S-38H), 17.23t capacity, single reduction.

Δ Ratio: 4.10

BRAKES, PARKING

Spring actuated, piggy-back on rear axles. Δ Total lining area: 5600 cm².

BRAKES, SERVICE

Dual air system with 0.373 m³/min. (13.2cu.ft.) compressor with low air pressure warning light and buzzer. Δ Size: 419 x 127 mm (16.5 x 5 in.) S-cam front; 419 x 178 mm (16.5 x 7 in.) S-cam rear. Δ Total lining area: 10,012cm². Δ Four air reservoirs - total volume: 110 litres

CAB

2.38m width all steel tilting cab with hydraulic lift. Δ All exterior cab panels, hinge pillars, lock pillars and sills are made from double sided zinc steel sheet. Δ Door locks on both doors. Δ Air suspension, self levelling seat for driver with fore and aft, vertical and seat back angle adjustment. Separate lumbar adjustment. Fore and aft isolators. Δ Single fixed passenger seat with reclining back adjustment and separate lumbar adjustment. Δ Seat belts for driver and passenger. Δ Westcoast type heated mirrors. Δ Laminated windshield.

Δ Electric two speed windshield wipers. Δ Windscreen washers. Δ Sunvisors for driver and passenger. Δ Cigar lighter. Δ Illuminated ash tray. Δ Interior light with courtesy switch on each door, and regular inside switch. Δ Arm rests on doors. Δ Heater/Blend Air/ air conditioner with 3 speed fan and windscreen demist. Δ Glove box. Δ Storage compartments behind seats with manifold pocket on driver's side. Δ Heavy duty vinyl floor mat with foam backing. Δ CB Radio 12 v supply socket. Δ Instruments comprising speedometer, odometer, tachometer, voltmeter, fuel gauge, oil pressure gauge, water temperature gauge, dual air pressure gauges, engine oil and transmission oil temperature gauges, hourmeter and electric clock. Δ Brake fail warning light. Δ Power divider lock indicator light. Δ Mud flaps to front wheels.

CLUTCH

356 mm (14in.) twin-plate, mechanical clutch. Δ Total lining area: 2730 cm².

DRIVELINE

1710 Series glidecot splines.

ELECTRICAL SYSTEM

12 volt with 90 amp. alternator. Δ Three batteries, negative to earth, 540 amps. SAE cranking current per battery, Δ Circular 60/55 Watt quartz halogen headlights with front parking lights. Δ Double face front directional signals. Δ Combination stop, tail, directional and reversing lights. Δ Cab clearance and identification lights. Δ Clearance lights on mirrors. Δ Front and rear flashing hazard signals. Δ Fifth wheel mounting light. Δ Fuse panel to protect circuits. Δ Dual air horns.

ENGINE

Cummins LT-250 diesel. Δ Gross power: 187kW(250 BHP) at 2100 RPM. Δ Gross Torque: 1017 Nm (750 lb.ft) at 1300 RPM. Δ 10.0 litre displacement. 16:0:1 compression ratio. Δ Viscous fan drive. Δ Engine mounted 'spin on' full flow and by-pass oil filters. Δ 'Spin on' corrosion resistor. Δ 356 mm (14 in.) Cyclopac dry element air cleaner with restriction indicator. Δ Vertical muffler and tailpipe. Δ Radiator with de-aeration system, remote mounted surge tank and sight glass. Frontal area: 5375cm² (833 sq. in.). Δ Electric low coolant indicator and buzzer. Δ Jacobs engine brake.

FINISH

Electro-phoretic deposited undercoat with acrylic enamel finishing coat. Δ Interior colour scheme: Mid-brown with tawny gold trim. Δ Cab: White. Δ Chassis, fuel tanks and wheels: Black. Δ Bumper: assembly Magnum Silver.

FRAME

Flange head bolted construction. Δ Heat treated steel channel, 760 MPa (110,000 psi) yield strength, 257 x 89 x 8mm (10.12 x 3.5 x .31in.) Δ Full channel reinforcement, 275 x 97 x 8mm (10.84 x 3.8 x .31in.) Δ Section modulus: 510cm³ (31.12in³). Δ Steel front bumper, with F.R.P. Endcaps. Δ Wheelbase: 5.84m (230 in.)

FUEL SYSTEM

350 litre capacity left side mounted tank. Δ Mechanical fuel pump. Δ Single fuel filter.

STEERING

Sheppard 392 EM5 power assisted steering gear with gear driven pump. Δ 508mm diameter steering wheel.

SUSPENSION

Front: Twin steer axles independently located on semi-elliptical leaf springs, 1.37 m x 100 mm. Δ 11.0 t capacity at ground. Δ Double acting shock absorbers.

Δ Rear: Hendrickson RT380S. Δ Walking beam suspension, 1.32m(52in.) cast steel beams with 50/50 load distribution, 17.23 t capacity at ground. Δ Torque arms with rubber bushings.

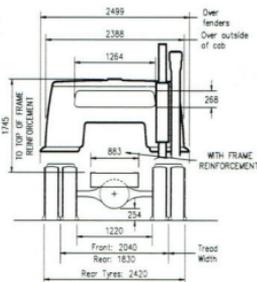
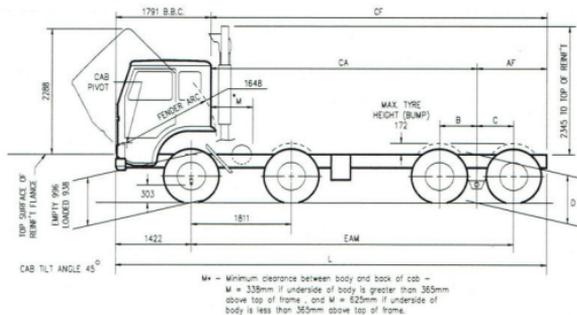
TRANSMISSION

T-693 (Eaton RT-7609) twin-countershaft Roadranger, 9 speed direct drive transmission. Δ Ratios: 13.07, 7.84, 5.78, 4.37, 3.29, 2.38, 1.75, 1.33, 1.00. Δ Reverse Lo 11.77, Hi 3.57:1.

WHEELS AND TYRES

Single front and dual rear. Δ Cast six spoke wheels, with 7.50 V rims. Δ 10.00 x 20 - 14 ply tyres - front. Δ 10.00 x 20 - 12 ply tyres - rear. Δ Spare rim and tyre.

Dimensions (mm) with 10.00 - 20 tyres TK-2670 with LT250



Chassis Dimensions m (in.)					Turning Circle m	Chassis Mass * t		
WB	CA	AF	CF	L	Kerb-Kerb Clearance Δ	Front	Rear	Total
5.84(230)	5.47(215.3)	2.34(92.0)	7.81(307.5)	9.6(377.5)	22.1	5.38	2.95	8.33

* Includes standard chassis, oil and water but not fuel, or spare tyre and rim.
Δ For wall to wall turning circle add 1.56 m.

Axle	EAM*	B	C	D Loaded/empty
RA-329, 435, 464	6.54m	650mm	694mm	994mm/1061mm

*EAM - Extreme Axle Measurement (m)

OPTIONAL EQUIPMENT

AXLE REAR

RA-435 (Rockwell SP 40G), 18.1 t capacity, single reduction, Ratio 4.10.
RA-464 (Eaton DS 401P) 18.1 t capacity, single reduction, Ratio 4.11.

CAB

Δ Omnit "Blend Air" air conditioner. Δ Aerodynamic package comprising roof mounted air deflector and cab mounted side extenders. Suitable for use with high front area trailers to reduce aerodynamic drag.

ENGINE

Δ Omit Jacobs engine brake.

SUSPENSION FRONT

Δ Load equalizing twin steer front suspension.

TRANSMISSION

Δ T394 (Spicer SST 8010-4B) 10 speed direct drive transmission
Δ Ratios: 12.50, 9.40, 7.19, 5.40, 4.10, 3.08, 2.30, 1.73 1.33, 1.00.
Reverse: 12.50, 9.40:1.

WHEELS AND TYRES

Δ 10.00R20, 16 ply radial tyres with 7.50 V, 3 piece rims.
Δ 11R22.5 16 ply tubeless radial tyres with 8.25 DC x 22.5 rims.

IMPORTANT

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INTERNATIONAL TRUCKS

INTERNATIONAL HARVESTER AUSTRALIA LIMITED (Incorporated in Victoria) Under Scheme of Arrangement

A50B (JULY 1989)