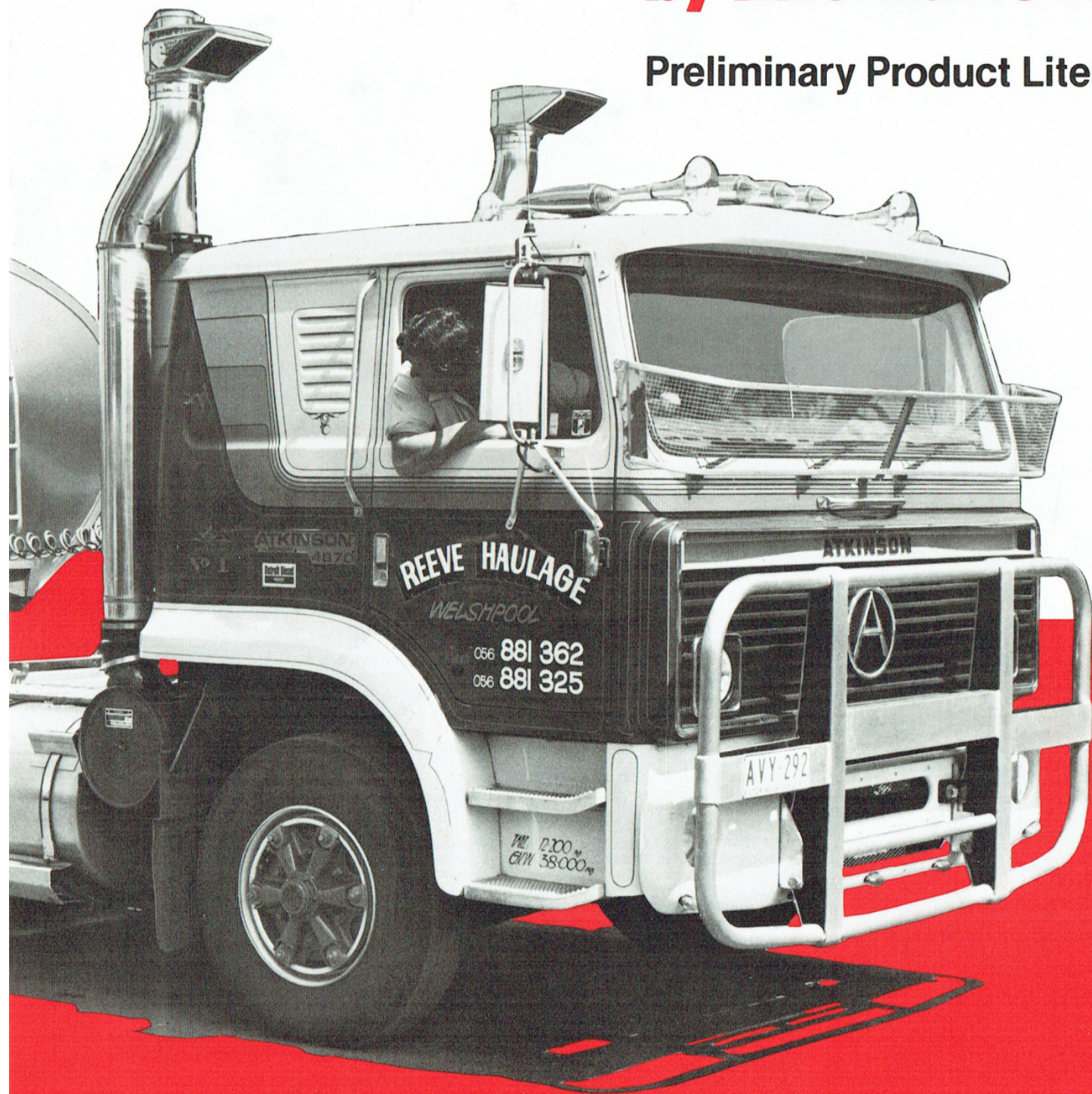


ATKINSON F4870 by International

Preliminary Product Literature



INTERNATIONAL TRUCKS

Never an Atkinson like the F4870 by International

Never an Atkinson like the new F4870 by International. Never an Atkinson so firmly based on the principles which have made the name so respected in heavy duty trucking. Never a truck so capable of changing for the better the look of heavy duty trucking.

The Atkinson F4870 has a pedigree of quality. It shows in the low profile silhouette, the luxurious driver appointments, the very atmosphere that surrounds this sleek and stylish new king of the road.

Extensive range of quality componentry allows custom engineering

Your application may be liquid haul, off highway, road train, routine line haul or economy line haul. Atkinson F4870 offers the component range to allow custom engineering to application. Your International Dealer can help you select, from the listing below, the combination best suited to your needs.

Premium Quality base

The F4870 is built around a high tensile alloy steel chassis frame. Bolted construction utilizes SAE type 8 flange head nuts and bolts. They resist loosening and are designed to absorb



overloads. Keeping the F4870 under control is the good feel of dual air, S-cam brakes, front and rear, and power assisted Sheppard steering. Another good feel is the F4870 ride. Front springs are long, soft riding with the necessary counter to high shock loadings provided by four aeon auxiliary springs.

Feeling good, Looking good

Like a luxurious, high performance sports saloon, the Atkinson F4870 wraps itself around you. You feel part of it and it's a good feeling being part of something so good looking. The F4870 shows a sleek, stylish face to the world, a face you can individualize with special, factory applied paint treatments. Just about everything else is standard - check the listing below, you'll be hard pressed to think of anything that isn't provided.

Product Support

You may need to call on the full array of product support facilities provided by International Harvester. But the facilities are there and that's good to know.

Experienced Dealers

Wherever you travel throughout Australia you are never far from an International heavy duty truck dealer. Conveniently located in all States as well as Alice Springs and Darwin, all of these privately owned and operated dealerships offer specialised advice, parts and service back-up to look after your International and Atkinson trucks.

Parts and Service

Parts and Service back-up are as important to International as they are to you. Our computerised parts system together with factory trained service mechanics at conveniently located dealerships ensures downtime is kept to a minimum no matter where you are.



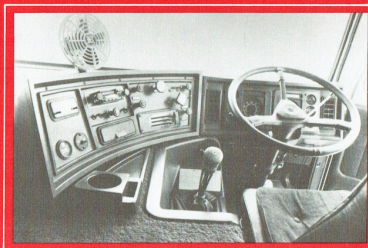
V.O.R.

When a dealer contacts our National Parts Distribution Centre and advises he has a V.O.R. (Vehicle Off Road) because he doesn't have stock of a needed part, then his request for the

part is given top priority. We appreciate that vehicles off road are losing money so we do all we can to help reduce downtime to a minimum.

INTERFIX

Being stranded roadside, unsure of where the nearest help is, isn't a pleasant situation. No matter where you are in Australia, no matter what the time of day or night, now there's a system to organize help for you - International INTERFIX. You call the INTERFIX number and INTERFIX will call the nearest International Truck Dealer able to get you moving again. If possible INTERFIX will also ring you back with details of arrangements made.



Time to talk

Now is the time to talk with your International Heavy Duty Truck Dealer. He can tell you all you need to know about the Atkinson 4870 Series by International and the back-up he and IH give these trucks.

ATKINSON F4870

INDICATIVE SPECIFICATION

RATINGS:
Gross Vehicle Mass 22.50 t (50 000 lb.)
Gross Combination Mass . . . 38.00 t (83 750 lb.)

Standard Equipment

AXLE, FRONT
FA-339, 5.45 t (12 000 lb.) capacity, □ Forged steel beam.
AXLE, REAR
RA-435, 18.1 t (40 000 lb.) capacity, single reduction, □ Ratio: 3.7:1.
BRAKES, PARKING
Spring actuated, piggy-back on rear axles.
BRAKES, SERVICE
Dual air system with low air pressure warning light and buzzer. □ Size: 419 x 127 mm (16 1/2 x 5 in.) S-cam front, 419 x 178 mm (16 1/2 x 7 in.) S-cam rear. □ Total lining area: 7906 cm² (1210 sq. in.).

CAB
2.38 m width deluxe low forward entry sleeper cab. □ All-steel tilting type with manual hydraulic lift. □ Deluxe high-rise contoured suspension seats with headrests and seat belts for driver and passenger. □ Heated Westcoast type mirrors. □ Dual air horns. □ Five bullet lights. □ Headlight stone guards. □ Illuminated dual entry steps. □ Laminated windscreen. □ Electric 2-speed windshield wipers. □ Windscreen washers. □ Luxury crushed velour trim.
DRIVER CONSOLE containing:
Speedometer, tachometer and gauges for water temperature, oil pressure, fuel, air brakes, air pressure, voltmeter. □ Directional

indicators. □ Hazard warning indicator. □ Warning lights for water temperature, low air pressure and high beam. □ Air conditioning. □ Controls for differential lock, parking brake and release. □ Radio/cassette player. □ Hourmeter. □ Five minute engine idle shut-down switch and digital clock.
OVERHEAD ROOF CONSOLE containing:
Pyrometer and temperature gauges for engine oil, forward- and rear-rear axle and transmission. □ 19 channel CB radio and handpiece. □ Fresh-air louvre. □ Drop-down storage locker.
SLEEPER-BUNK including: Crushed quilted velour trim. □ Clothes storage locker. □ Personal effects locker. □ Illuminated storage lockers located under mattress. □ Soft foam rubber sleeper mattress with velour and vinyl facing. □ Reading light. □ Stereocassette player controls and speaker. □ Electric blanket/shaver outlet. □ Fresh-air vent control.

CLUTCH
394 mm (15.5 in.) twin-plate, self-adjusting, mechanical control. □ Total lining area: 2730 cm².
DRIVELINE
1810 series driveline, transmission to axle, with glidecoat splines. □ 1710 series driveline, interaxle, with glidecoat splines.
ELECTRICAL SYSTEM
12 volt with 85 amp alternator. □ Quartz halogen headlights. □ Double faced front directional signals. □ Combination stop, tail, directional and reversing lights. □ Cab clearance and identification lights. □ Front and rear flashing hazard signals. □ Fuse panel to protect circuits. □ Dual air horns.

□ Dual driving lights. □ Cabin mounted work light. □ Delay action interior lighting.
ENGINE
Cummins Formula 300 BC II. □ Gross power: 224 kW (300 BHP) at 1900 RPM. □ Gross torque: 1356 Nm at 1300 RPM. □ 14.0 litre displacement, 15:1 compression ratio. □ Rockford fan clutch. □ Full flow oil filter. □ Remote mounted by-pass oil filter. □ "Spin on" corrosion resistor. □ Bolted radiator with de-aeration system.
FINISH
Electrophoretic deposited undercoat with acrylic enamel finishing coat (Acran). □ Cab: choice of any standard IH colour. □ Chassis and wheels: red.
FRAME
Flange head bolted construction. □ Heat treated steel channel, 760 MPa yield strength, 257 x 89 x 8 mm (10.12 x 3.5 x .31 in.). □ Formed aluminium front bumper. □ Wheelbase: 3.84 m (151 in.).
FUEL SYSTEM
Dual fuel tanks: 454 litres (100 gal.) round aluminium fuel tanks - steps fixed.
STEERING
S-293 (Sheppard M302) power-assisted steering gear with gear-driven pump. □ 508 mm diameter steering wheel with leather cover.
SUSPENSION, FRONT
Semi-elliptical leaf springs, 1.76 m x 100 mm, 5.45 t capacity at ground. □ Threaded shackles pins and bushes - dual. □ Aeon auxiliary springs/bump stops. □ Double acting shock absorbers.
SUSPENSION, REAR
Hendrickson RTE-340. □ Walking beam suspension, nodular iron beams with 50/50 load distribution, 16.5 t capacity at ground.

TRANSMISSION
T302 (RT11509) twin-countershaft Roadranger, 9 speed direct constant mesh, with transmission oil cooler. □ Ratio: 12.42, 8.30, 6.08, 4.54, 3.36, 2.47, 1.81, 1.35, 1.00. □ Reverse: 12.99, 3.87.
WHEELS AND TYRES
Single front and dual rear. □ Cast spoke wheels with 7.50 rims. □ 10.00 x 20, 14 ply tyres - front. □ 10.00 x 20, 12 ply tyres - rear. □ Spare rim.

Optional Equipment

AXLE, FRONT
FA227 C 0 t (13 200 lb.) capacity (mandatory with NTC400, 8V92TA, 8V92TA) FA232 7.26 t (16 000 lb.) capacity.
AXLE, REAR
SHD 19.95 t (44 000 lb.) Rockwell. ST-170 22.70 t (50 000 lb.) Rockwell. (Road Train) 1001 Gross Train Weight). ST-170 22.70 t (50 000 lb.) Rockwell. RA-472 18.10 t (40 000 lb.) International DS-380 17.23 t (38 000 lb.) Eaton. DS-400P 18.10 t (40 000 lb.) Eaton. DS-440P 19.95 t (44 000 lb.) Eaton. DT-480P 21.60 t (48 000 lb.) Eaton.
BRAKES
Dual trailer connection (to rear of turntable).
SUSPENSION, REAR
Dual trailer connection (to rear of turntable).
CAB
Sleeperette ILOS sleeper cab (1.78 m) (Slim-Line) Non-Supply of CB Radio. Non-Supply of Air Conditioning. Insect Screen - over radiator opening. Stoneguard - windscreen.
CLUTCH
Spicer ceramic faced.

DRIVELINE
Centre Bearing - All wheelbases over 3.84 m (151 in.).
EXHAUST
Jacobs Engine Brake - Cummins. Jacobs Engine Brake - Detroit.
ELECTRICAL
Battery isolation switch - gantry mounted RHS (part of Liquid Haul Kit). 25 Plate Batteries. Marine Lights. Fog Lights (mounted beneath bumper bar).
ENGINE
Cummins NTC300. Cummins NTC350. Cummins NTC400 with large radiator (mandatory with FA227 front axle) (Dual Air Intake). Detroit 8V92TA. Detroit 8V92TA with large radiator (mandatory with FA227 front axle) (Dual Air Intake). Detroit 8V92TA with large radiator (mandatory with FA227 front axle) (Dual Air Intake). By-Pass tube oil filter (for 8V92TA/TTA). Air Ram Moisture Eliminator (for 8V92TA/TTA).
FINISH
Trim Line (19 mm (3/4 in.) wide) in Black or other Enamel. Colour break on Cab. Horizontal colour breaks on Cab (with maximum of three colours). Second cab colour. Third cab colour. Durethane in lieu of ACRAN.
FRAME
Frame Reinforcement - L Shape. Frame Reinforcement - C Shape.

Tapered Rear Frame. Aluminium Bull Bar. Mudflaps on bull bar with chains (two).
FUEL TANKS
383 Litre (80 gal.) aluminium. Dual 363 Litre (80 gal.) aluminium. 454 Litre (100 gal.) aluminium. Polished fuel tank.
SUSPENSION, REAR
Hendrickson RT380. Hendrickson RT380S. Hendrickson RT380. Aluminium Walking Beams (380 Series only). Hendrickson RT440. ACS5 Six Rod (Rockwell). AC6W Six Rod (Rockwell). Four Spring (International) 16.50 t capacity (highway only).
TRANSMISSION
Fuller RTF9513 13-Speed less oil cooler. Fuller RTF959A 9-Speed less oil cooler. Fuller RTF915 15-Speed less oil cooler. Fuller RTF12509 9-Speed with oil cooler. Fuller RTF12515 15-Speed with oil cooler. Fuller RTF12513 13-Speed with oil cooler. Spicer SST-1214/2A 14-Speed with oil cooler. Spicer SST-1214/3A 14-Speed with oil cooler. Spicer SST-1420 20-Speed with oil cooler. Allison HT750DRD 5-Speed auto less retarder. Allison HT750CRD 5-Speed auto less retarder. Retarder (for above auto transmission, if required).



MISCELLANEOUS

7 Day Tachograph VDO.
 Petroleum Regulation Kit:
 Battery isolation switch. Parallel switch.
 Exhaust shielding. Engine strangler
 valve. All chassis wiring in conduit.

Severe Service Kit (Highway/off Highway):
 Rear axle breathers to chassis. Stone
 shields front fuel tanks. Oil pan guard to
 radiator and engine. Water trap fuel
 system. Oil lube rear hubs. Diagonal
 gantry brace. Rear Brakes - increased
 anchor pin bearing area, heavy duty return
 spring. Camshaft support gussets.

Severe Service Kit (Road Train): Highway/off Highway Severe Service Kit plus Additional Options:

Forward mounted air intake snorkels.
 Frame reinforcement in area to fuel tanks
 with cross braces to fuel tank, support
 brackets. Rubber cased batteries
 mounted on soft rubber pad. Fuel filters
 with stone shields. Forward facing
 mudflaps on bull bar. Six spoke Malco
 wheels. Prop shaft guards (front
 universal). Silicon radiator hoses and
 silicon cab heater hoses. Extended engine
 breathers (Detroit Diesel). Heavy duty

front shock absorbers. Rear axle housing
 reinforcement (Eaton DT480P). Severe
 Service Kit (Road Train) can vary with engine
 and rear axle variations.

IMPORTANT

It is believed that the illustrations, information and specifications presented and referred to herein were correct at the time this publication was approved for printing.

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INTERNATIONAL HARVESTER AUSTRALIA LIMITED

A-18-K (February 1981)

YOUR INTERNATIONAL DEALER:

