

INTERNATIONAL TRUCKS



AR-160 SERIES

(4 x 4)



Designed for the Pioneering Jobs

CONTRACTORS:

Road builders, dam sinkers, firewood cutters—New AR-160 4 x 4 has plenty of payload space and capacity to haul fuel, materials and men to difficult jobs.

FARMERS:

A truck specially suited to difficult conditions—suitable for carrying seed, produce and livestock—ideal for spreading fertilizer and for pest control.

PUBLIC UTILITIES:

Electricity, water, gas, telephones. This model is specially designed for cross-country work with a full load and equipped with winches, etc., for breakdown and maintenance patrols.

PROSPECTORS:

Oil and mineral drilling rigs can be taken anywhere and mounted direct on the unit.

FIRE FIGHTERS:

The AR-160 4 x 4 makes an ideal tanker for forestry fire break travel and paddock work with rural brigades. Big capacity gives more water with fewer trips to the supply—equipped with power take-off openings for pump and winch.

MINING and CONSTRUCTION PROJECTS:

Highways, bridges, power-stations. Heavy traffic on unmade tracks call for heavy-duty haulage in all weathers. The AR-160 4 x 4 is the answer to the problem of carrying fuel, spare parts, materials and men.



The famous Comfo-Vision cab is specially suited to rugged terrain operation. The natural angle steering and all-round visibility with 13.2 sq. ft. of windscreen provides maximum driver comfort. The high under-axle clearance gives the AR-160 4 x 4 the ability to negotiate tracks with high obstructions or deep ruts. The high position of the front bumper means banks and ditches are easier to negotiate, too.

Another HUSKY MEMBER for the Famous Family of INTERNATIONAL TRUCKS



Normal load-carrying capacity with 4-wheel-drive is a big feature of the International AR-160 4 x 4 series. Only 6 inches above normal height, to the top of the frame, the AR-160 4 x 4 is an ideal cargo carrier in off-highway cross-country conditions. The driver can disconnect the front wheel drive with a lever in the cab floor and attain standard truck speeds for highway operation.

New International Four-Wheel-Drive Models Provide Maximum Traction for Bigger Payloads

The versatile International AR-160 4-wheel-drive model fills the need for an economical medium-heavy-duty 4 x 4 truck.

This new model affords maximum traction for off-highway use as well as for on-highway operations—wherever the nature of the terrain or road surface makes traction a serious problem. It gives dependable performance in situations which can only be handled with the help of a front-wheel drive but can also be operated on hard-surfaced roads as a conventional truck by using the special shift lever which controls the engaging and disengaging of the front-axle drive. Exceptional flotation as well as extra traction is provided when larger optional tyres are used.

Power is normally supplied to both front and rear axles through a 2-speed transfer case located behind the transmission. This 2-speed transfer case, combined with the 4-speed transmission, gives a total of eight forward speeds and two reverse speeds.

While the new model retains many of the components

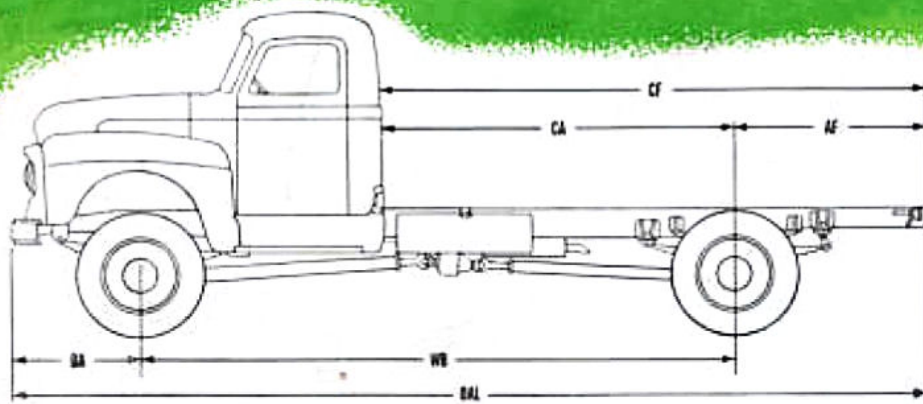
used in conventional rear-wheel drive models, it also incorporates specially designed parts and heavier components. The transmission has two power take-off openings, one for driving a front mounted winch, the other for attaching an underbody hydraulic hoist, a power-tyre pump or other auxiliary equipment.

The famous valve-in-head ASD-240 Silver Diamond engine provides low-cost peak performance.

You'll like the driver comfort and safety features of the famous Comfo-Vision cab with all-round visibility. Posture-positioned controls and deep cushion seats let you drive and manoeuvre with comfort and ease.

Proved by International Harvester's famous "Trial by Torture" engineering and testing programme these new International trucks give profit-minded truck buyers an unmatched combination of values.

Exactly the right truck for the job, unequalled performance, lowest maintenance costs, and maximum driver comfort—exactly the right truck for the job.



AR-160 SERIES (4 x 4)

SPECIFICATIONS

Gross Vehicle Weight Rating 16,000 lb.

Nominal Gross Carrying Capacity (body, equipment and payload) 10,000 lb.

Chassis Dimensions (in inches); Weights (in pounds).

Wheelbase (WB)	154	172
Over-all length, with front bumper (OAL)	246 ⁵ / ₈	264 ⁵ / ₈
Back of cab to C/L of rear axle (CA)	84	102
C/L of rear axle to end of frame (AF)	56	56
Back of cab to end of frame (CF)	140	158
Bumper to centre of front axle (BA)	36 ⁵ / ₈	36 ⁵ / ₈
Turning radius with bumper clearance (feet)	33 1/2	36 ⁵ / ₈
Chassis weight, including fuel, oil and water, standard chassis (approximate)	6,300	6,380

The following dimensions (with 7.50-20 tyres) are the same for both wheelbases:

- Tread — front wheels, 66¹/₄ in.; rear wheels, 66³/₈ in.
- Road clearance — front axle, 10⁷/₈ in.; rear axle 10 in.
- Over-all width — front 81¹/₂ in.; rear 85⁷/₈ in.
- Height from top of frame to ground, loaded — front, 37¹/₄ in.; rear, 36³/₈ in.

Frame: Pressed steel channel; 154 in. WB 8³/₄ x 7¹/₂ x 3 in.
172 in. WB 8¹/₄ x 7¹/₄ x 3 in.

Engine: International Silver Diamond 240, 6 cylinder, valve-in-head type; 3³/₄ in. bore, 4.018 in. stroke. Displacement, 240.30 cu. in.; compression ratio, 6.5 R.A.C. rating, 30.4 h.p.; maximum torque, 192 ft.-lb. at 1,400 r.p.m., net 186 at 1,100 r.p.m.

Four steel-baked, replaceable-shell, precision-type main bearings; total projected area, 17.01 sq. in. Six replaceable-shell, precision-type connecting-rod bearings. Exhaust-valve seat inserts.

Lubrication: Full-pressure feed to all main, connecting-rod and piston-pin bearings, camshaft and timing gears. Gear-type, gear-driven oil pump. Oil capacity, 7 qt.

Cooling System: Centrifugal pump circulation, fin-and-tube radiator. Pump driven by V-type fan belt. Capacity, 15 qt.

Ignition: 6 volt, vacuum control, full-automatic distributor.

Generator: 6 volt, 30 amperes, shunt-wound, belt-driven.

Lights: Pre-focus headlights.

Battery: 6 volt, 15 plate.

Starting Motor: 6 volt.

Carburettor: Downdraft type. Oil-bath-type air cleaner.

Fuel System: Mechanical fuel pump driven from camshaft. 17.5 gal. tank. Fuel filter.

Clutch: 11 in.; single-plate, with vibration damper.

Transmission: Four speeds forward, one reverse, selective synchro-mesh type, mounted in unit with engine. Power take-off openings on right and left sides for operating front-mounted winch or other auxiliary equipment.

Transmission Reductions: First, 6.398 to 1; second, 3.092 to 1; third, 1.686 to 1; fourth, 1 to 1; reverse, 7.820 to 1.

Propeller Shaft: Large diameter, heavy-steel tubing. Dynamically balanced.

Universal Joints: All-metal, needle-bearing, anti-friction type.

Front Axle: Single reduction through hypoid bevel gear. Ratio: 6.166 to 1. Constant velocity universals.

Transfer Case: Decoupling type. Three-position shifting — high, 1 to 1; low, 1.97 to 1; and neutral. Manual engage and disengage of front-wheel drive. Provision for mounting full-torque power take-off at rear of input shaft.

Rear Axle: Full-floating, hypoid type with offset housing, Hotchkiss-type final drive. Chrome-molybdenum steel axle shafts. Differential and wheel bearings are tapered rollers. Pinion straddle-mounted on roller bearings.

Axle Reduction: 6.166 to 1.

Steering Gear: Cam and twin-lever type.

Brakes: Service: 4 wheel, hydraulic, internal-expanding.

Front: Single wheel cylinder; Rear: Two-shoe, double-anchor type.

Hand: Propeller-shaft type, mounted back of transfer case.

Springs: Front and rear, semi-elliptic. Front, two-stage, 46 x 2¹/₄ in.; rear, 52 x 2¹/₂ in.; semi-elliptic auxiliary springs, 34 x 2¹/₂ in.

Wheels: Disc type.

Standard Tyres: 7.50-20, 8 ply, duals rear.

Controls: Throttle, light and choke controls on instrument panel. Accelerator, clutch and service brakes operated by pedals. Control levers located in centre of driving compartment.

Standard Equipment: Front bumper and running boards black. Choice of four standard colours on grille, fenders, hood and cab — Harvester red, Harvester green, Harvester blue and spruce green.

Optional Equipment: Independent tail light switch; vacuum line oil bath air cleaner; mechanical hand signal; 8.25 x 20, 12 ply; 8.25 x 20, 10 ply.

Optional Colours: Biscuit, blue-grey, silver-grey and marlin grey.

Specifications subject to change without notice.

INTERNATIONAL HARVESTER COMPANY OF AUSTRALIA PTY. LTD.

(INCORPORATED IN VICTORIA)

DISTRICT SALES OFFICES IN ALL CAPITAL CITIES. WORKS: DANDENONG AND GEELONG, VICTORIA