



International

824 FWD

The new INTERNATIONAL 824 **four-wheel drive** tractor is specially designed for heavy-duty operation. In the field; on construction sites or in forestry, it is at home everywhere. Even the softest, most slipperiest terrain presents no problem for this mighty **4-wheel drive** model . . . the big-diameter front drive wheels just breeze through with full traction. No need to stop to engage or disengage front wheel drive, a nudge of the conveniently positioned control lever is all that's necessary. You get all the work-saving features associated with the basic model . . . exclusive fully synchronized AGRIMATIC "S" transmission with revolutionary

instant-reverse shift, 12 forward and 4 reverse speeds . . . powerful, direct-injection Diesel engine . . . unequalled EXACT hydraulic system . . . extra-big disk brakes . . . foot-operated difflock, plus the all-new hydrostatic power steering and the advantages of **four-wheel drive**.

High under-axle clearance, low center of gravity and an ideal weight distribution afford maximum safety for hillside operation. If it's reliable ACTION plus all-time TRACTION you want, a new 824 **four-wheel drive** tractor is your answer.

Ask your IH dealer for a demonstration!

Specifications

Engine

Model	IH D-239 Diesel	
Max. output, HP	80	
Rated speed, r.p.m.	2300	
Max. torque, mkp (ft. lb.)	26.3	(190.2)
at speed, r.p.m.	1500	
No. of cylinders	4	
Bore, mm (in.)	98.4	(3.875)
Stroke, mm (in.)	128.5	(5.06)
Displacement, cm ³ (cu. in.)	3911	(239)

Electric System

Battery, dry precharged	12 V, 135 Ah
Generator	14 V, 16 A
Starter, HP	4

Capacities

Fuel tank, ltr. (gal.)	70	(18.5)
Crankcase, ltr. (gal.)	9	(2.4)
Transm. case, ltr. (gal.):		
8+4 transmission	45.5	(12)
12+4 AGRIOMATIC "S"	38.5	(10.2)
Front axle, ltr. (gal.):		
Differential	5.6	(1.5)
Planetary drive	0.45	(0.1)
Rear axle, ltr. (gal.)	3.5	(0.9)
Hydraulic system, ltr. (gal.)	16.5	(4.4)
Cooling system ltr. (gal.)	17.5	(4.6)

Dimensions

Length, mm (in.)	3550	(139.8)
Width, mm (in.)	1986	(78.2)
Height, mm (in.)	1815	(71.5)
Wheelbase, mm (in.)	2120	(83.5)
Ground clearance, mm (in.)	385	(15.2)

Weight

w/std. equipment, kg (lbs.)	2820	(6215)
-----------------------------	------	--------

Transmissions

- 8+4 synchronized transmission with 11 in. cerametallic dual clutch;
- 12+4 AGRIOMATIC "S" synchronized transmission with fast reverser and 11 in. single clutch;
- 12+4 AGRIOMATIC "S" synchronized transmission with fast reverser and 11 in. cerametallic dual clutch;

Regular Equipment

IH 4-cyl. Diesel engine; P.T.O., rear, 540 and 1000 r.p.m.; P.T.O. master shield; foot brake; independent hand brake; foot-operated differential lock; head lamps for R.H. traffic; combination de-luxe instrument panel with indicators for water temperature, generator, fuel, oil pressure, head lamps and directional signal lights; tractormeter; vertical exhaust pipe and muffler; dual fuel filter with water separator; dry type air cleaner; hydrostatic steering; adjustable, upholstered tractor seat; EXACT hydraulic system; three-point hitch, cat. II, with swinging drawbar, draw frame bracket, short draw frame and coupling yoke; semi-crown type rear fenders; front axle with differential; transmission version 30 km/h; front wheels with 9-24, 6 PR tires; rear wheels with 16.9/14-30, 6 PR tires.

Optional Equipment

Single clutch for 8+4 transmission; directional signal lights with rear view mirror and brake lights for crown type rear fenders; voltage regulator 16 A; head lamps for L.H. traffic; crown type rear fenders; dust-sealed oil level gauge; de-luxe tractor seat; transmission version 25 km/h; tractormeter in mph.

Add-on Attachment

Belt pulley; auxiliary single and double-acting control valves; single and double-acting quick couplings; IH cab with tinted glass; short drawbar for three-point hitch, cat. II; dry type air cleaner; front wheel splash shields; rear spot light; jerrican type weights, set of 11, with frame, 415 kg; rear wheel weights, 120 and 240 kg; height-adjustable trailer hitch.

Optional Tires

Front	10-24, 6 PR
	10-28, 6 PR
Rear	13.6/12-38, 6 PR
	16.9/14-30, 6 PR
	16.9/14-30, 8 PR
	16.9/14-34, 6 PR
	18.4/15-30, 6 PR
	18.4/15-34, 6 PR
	15.5-38, 6 PR
	23.1/18-26, 6 PR

(special rear tire version for rice field application available)

Possible Tire Combinations

- 9-24 / 16.9/14-30;
- 10-24 / 13.6/12-38, 16.9/14-34, 18.4/15-30, 23.1/18-26;
- 10-28 / 18.4/15-39

Speeds with 8+4 synchronized transmission and 14-30 tires

Gear	Range					
	Low		High		Reverse	
	km/h	mph	km/h	mph	km/h	mph
1.	1.75	1.09	6.08	3.78	3.52	2.19
2.	3.35	2.08	11.60	7.21	6.71	4.17
3.	5.25	3.26	18.21	11.31	10.54	6.55
4.	8.14	5.06	28.23	17.54	16.34	10.55

Speeds with 12+4 AGRIOMATIC "S" transmission and 14-30 tires

Gear	Range							
	Low		High		Reverse		AGRIOMATIC "S"	
	km/h	mph	km/h	mph	km/h	mph	km/h	mph
1.	1.75	1.09	6.08	3.78	3.52	2.19	2.37	1.47
2.	2.90	1.80	10.04	6.24	5.81	3.61	3.91	2.43
3.	5.25	3.26	18.21	11.31	10.54	6.55	7.09	4.40
4.	8.14	5.06	28.23	17.54	16.34	10.15	11.00	6.83

The company's policy is one of continuous improvement and development therefore specifications are subject to change without notice. Illustrations may include optional equipment and accessories and may not include all standard equipment.