



D - 215
15 HP



D - 219
19 HP



D - 322
22 HP

D - 326
26 HP



D - 432
32 HP



D - 439
39 HP



SPECIFICATIONS

ENGINE:

IH 4-cylinder, 4-cycle Diesel with 5 bearing crankshaft. Cast aluminium alloy pistons with 3 compression and 2 oil rings. Bosch injection pump with built-in mechanical type governor. Swirl type precombustion chambers. Fuel filter. Pressure lubrication. Oil filter. Oil bath air filter. Pump circulated water cooling. Thermostat.

Horsepower (engine stripped)	39
Rated governed engine speed R.P.M.	1,900
Maximum torque ft./lb.	108
R.P.M. at maximum torque	1,450
Bore, in.	3 7/8
Stroke, in.	4
Piston displacement cu. in.	148.8
Compression ratio	19:1
Crankcase capacity, gal.	1.7
Cooling system capacity, gal.	3.7
Fuel tank capacity, gal.	14.5

BELT PULLEY:

Belt pulley speed R.P.M. (At rated engine speed)	1,440
Diameter and width, in.	9 1/2 x 6 1/4

POWER TAKE-OFF:

Speed R.P.M.	577
Diameter, in.	1 1/2

DIMENSIONS AND WEIGHT:

Length, overall, in.	115 1/2
Width, overall, in.	64 1/2
Height, overall, in.	61 1/2
Weight (with regular equipment)	
lb. approx.	3,140

Ground clearance:

Front axle, center, in.	15 7/8
Rear axle, center, in.	14 1/2
Front Wheel tread, non-adjustable:	
With wheels dished in, in.	49 1/2
With wheels dished out, in.	59
Front wheel tread, adjustable in. (in 2 in. or 4 in. increments)	49 1/2—74 1/2
Rear wheel tread adjustable in.	49 1/2—74 1/2
Minimum turning radius in. (with steering brake)	106

TRANSMISSION:

8 speed AGRIMATIC		
Lubricant capacity, gal.	5.3	
Speeds: (at rated engine speed)		
with 10—28 tires	with 11—28 tires	
Low Range	km m.p.h.	km m.p.h.
First	1.8 1.1	1.9 1.2
Second	3.6 2.2	3.8 2.4
Third	5.7 3.5	6.0 3.7
Fourth	7.1 4.4	7.5 4.7
Reverse	3.0 1.9	3.2 2.0

High Range

Fifth	4.8 3.0	5.0 3.1
Sixth	9.3 5.8	9.9 6.1
Seventh	14.9 9.3	15.7 9.8
Eighth	18.8 11.7	19.7 12.2
Reverse	8.0 5.0	8.4 5.2

ALTERNATIVE TIRE EQUIPMENT

Front 5.50—16 with	Rear 9—36 or 10—28 or 11—28 or 11—32 or 11—36
- 6.00—16 - -	- 9—36 or 10—28 or 11—28 or 11—32 or 13—30
- 4.00—19 - -	- 9—36 only
- 6.00—19 - -	- 9—36 or 11—36
- 7.50—16 - -	- 9—36 or 11—36 or 11—28 or 13—30

REGULAR EQUIPMENT:

IH Agriomatic 8-Speed Transmission. Category I three-point hitch with adjusting crank, leveling link and adjustable drawbar. Adjustable tread, rigid front axle. Differential lock. Rear power take-off. Combined service and steering, double disc transmission brakes. Independent hand-brake. Hand and foot accelerator. Muffler. Electric 12-Volt starting and lighting. Oil pressure indicator. Oil, air, and fuel filters. Front draw clevis. Elephant-ear type, rear fenders with rear spot-light. P.T.O. master shield.

TIRES

Front	5.00—16	Rear	10—28
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SPECIAL EQUIPMENT

Single-acting exact hydraulic and position control. Category II three-point hitch with adjustable third hitch point, adjusting crank, leveling link and adjustable drawbar. Fast-Hitch with 3-point adapters. Adjustable tread, spring mounted front axle. Swinging drawbar. Crown type fenders. Fender seat. Pre-cleaner for air filter. Belt pulley drive with belt pulley. Hour meter. Vertical exhaust pipe. Front wheel splash shields. Adjustable swivel type trailer hitch. Front and rear wheel weights. Tractormeter.



THE NEW D-439 DIESEL



Mc CORMICK INTERNATIONAL

with **EXACT**
HYDRAULIC-SYSTEM



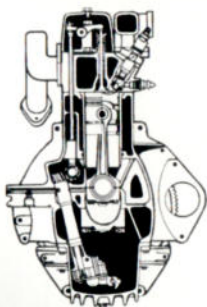
INTERNATIONAL HARVESTER
INTERNATIONAL HARVESTER COMPANY M.B.H.
NEUSS/RHINE GERMANY

**THE NEW
D-439
DIESEL TRACTOR**

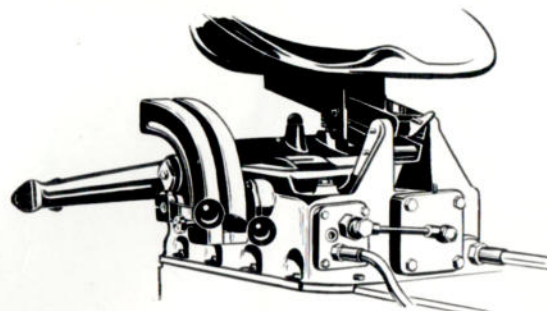
The D-439 Diesel tractor provides the farmer with a tractor he's always wanted. Rugged design, exceptional pull-power, with a transmission and differential built for years of rough and hard service. It is versatile, manoeuvrable, and has a perfect weight distribution.

Equipped with all those up-to-the-minute features like: disc brakes and differential lock, plus the all important exclusive Agriomatic transmission. A tractor really in a class of its own!

1 Engine
D-line Diesel engines are noted for unmatched dependability. They operate on the swirl-type pre-combustion principle, which assures complete fuel combustion. Extremely smooth and economic performance is provided by the famous Bosch injection system installed in all McCormick tractors.



2 Hydraulic
Live hydraulic power is at your fingertips the moment the engine starts — completely independent of declutching, p.t.o. engagement, and gear shifting. Mounted implements are effortlessly and positively regulated by conveniently positioned controls.



-exact
HYDRAULIC-SYSTEM

The new exact hydraulic system combines draft and position control. This combination assures precise, effortless control of mounted implements. Preselected operating depth is automatically maintained regardless of varying soil conditions. It is undoubtedly the smoothest, most versatile hydraulic system to be found on any tractor. Lifting capacity measured at the lower hitch points is approx. 2,000 lbs (maximum lift 3,300 lbs). Special safety measures prevent accidents, over-loading, and control errors. For example when the engine is not running a block valve renders impossible the raising or lowering of mounted equipment. The IH hydraulics can be operated either on the full draft principle or set to float position for conventional operation. Lowering speed of working implements can be varied to suit job-requirements.



Lifting capacity measured on lower link balls amounts to 2,000 lbs. Maximum lift up to 3,300 lbs.



Surplus weight and vertical forces acting on the plow are transferred to rear axle, this gives added traction.



Draft control assures that operating depth is automatically and accurately controlled irrespective of soil conditions.



The system is equipped with a block valve which prevents inadvertent lowering when the engine is stopped.

Variation of tractor speed from full speed to full stop with constant running p.t.o. . . .



Change-over from high range to low range to boost pull-power when ascending gradients . . .



Direct positive engagement from a high range gear to corresponding low range gear . . .



Starting and stopping the tractor with an extension lever from the ground — a time saving factor . . .



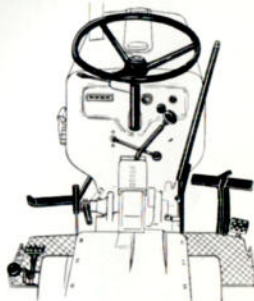
. . . without declutching or shifting gears!



The new D-line tractor series incorporate those much desired features farmers have wanted for years, combining reliable rugged diesel power with versatility, comfort and convenience. Features like the all new exact hydraulic system designed and developed exclusively by-IH Neuss engineers. And a number of other refinements that include: NEW spring-action type tractor seat; modernized instrument panel — with the NEW tractorometer attachment; NEW by-pass thermostat; NEW automotive-type depressed center steering wheel, in addition to the many other field proven features such as the Agriomatic transmission and constant-running power take off.

D-Line offers you a choice of six tractor models varying from 15 to 39 horsepower and a series of matched equipment to meet your particular job-requirements.

3 Controls
New refinements on a modernized instrument panel coupled with practical arrangement of controls make for quick-reading and easy application.



4 Transmission
Rugged transmission built to give years of trouble-free service under all loads and operating conditions. All gears are drop-forged from the finest grade steel and then electrically heat-treated to withstand excessive wear and strains.

