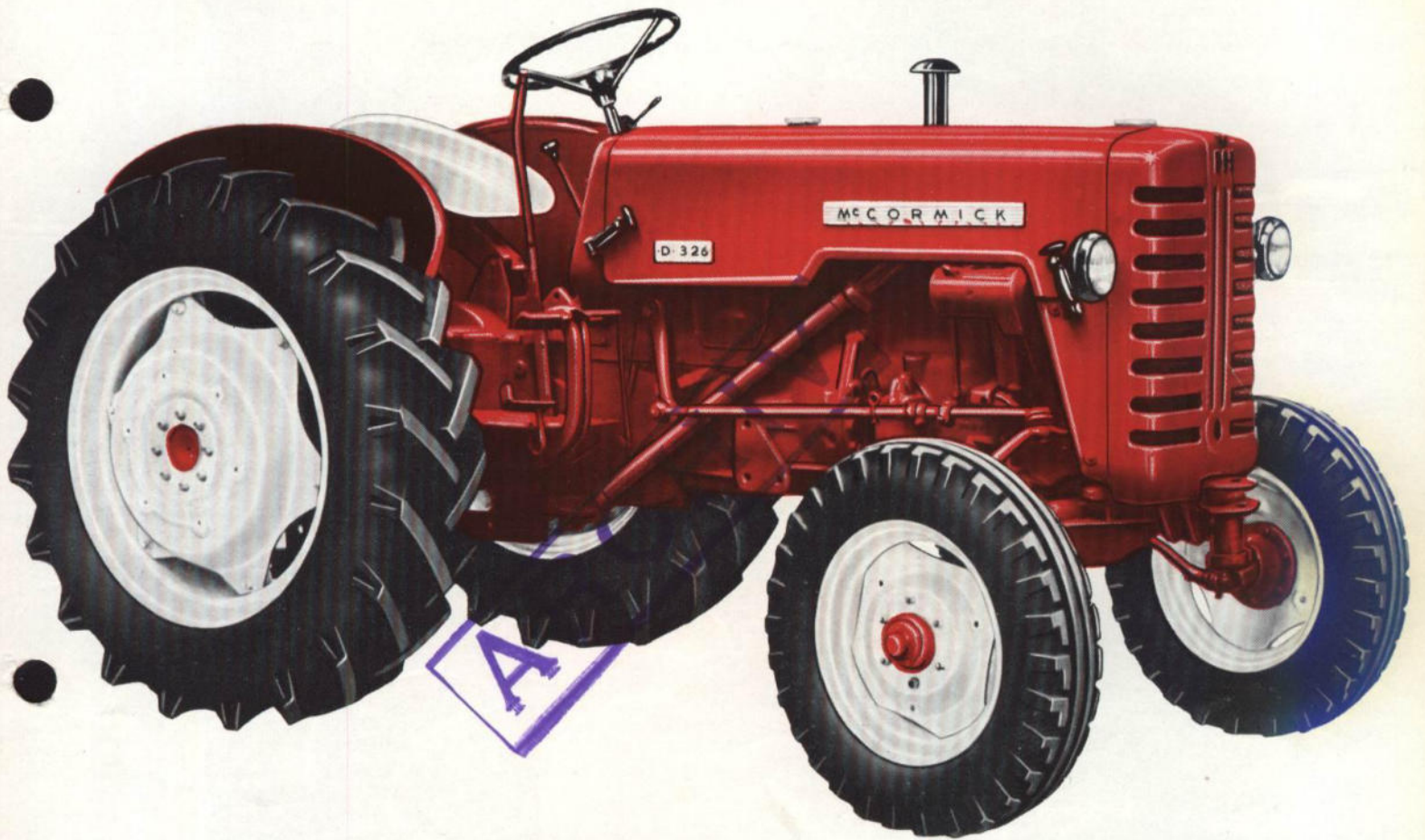




# THE NEW D-326 DIESEL



## McCormick INTERNATIONAL

with

**exact**  
HYDRAULIC-SYSTEM

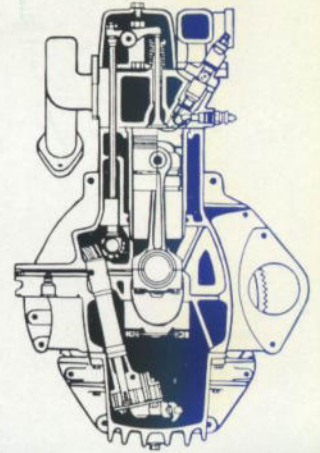
# THE NEW D-326 DIESEL TRACTOR

The D-326 is a sturdily-built, highly manoeuvrable tractor, unmatched in its class for strength, efficiency and convenience. It is readily adapted to every field job. The rugged 3-cylinder direct-starting engine develops 27 horsepower, and is equipped with pre-combustion chambers, which guaranties economical operation through complete fuel combustion. With the D-326 you can be assured of peak performance and top economy.

# 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.



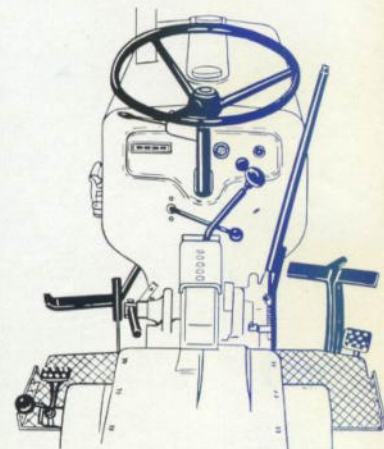
The new D-line tractor series incorporate those much desired features farmers have wanted for years, combining reliable rugged diesel power with versatility, comfort and convenience. Features like the all new exact hydraulic system designed and developed exclusively by IH Neuss engineers. And a number 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. These outstanding features are available on all 3 and 4 cylinder tractors.

D-line offers you a choice of six models ranging from 16 to 39 horsepower and a series of matched equipment to meet your particular job-requirement.

# 3

## Controls

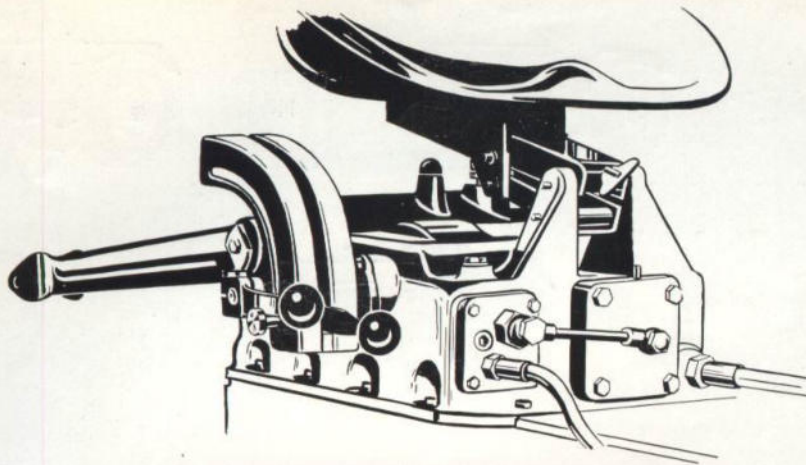
New refinements on a modernized instrument panel coupled with practical arrangement of controls make for quick-reading and easy application.



# 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 3,300 lbs.



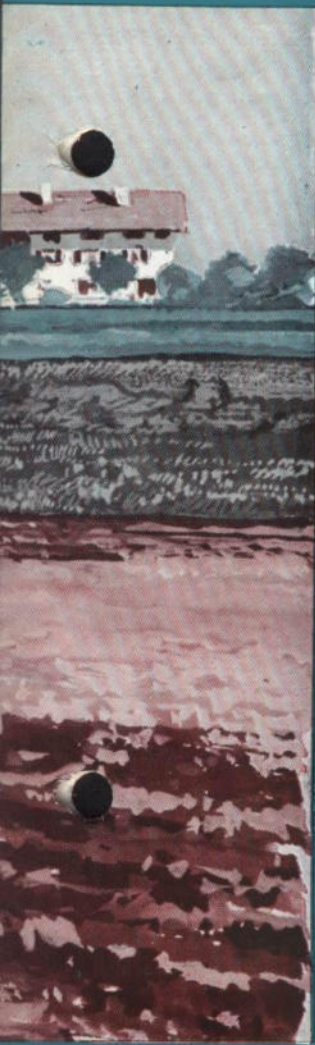
Surplus weight and vertical forces acting on the plow are transferred to rear axle, this gives added traction.



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



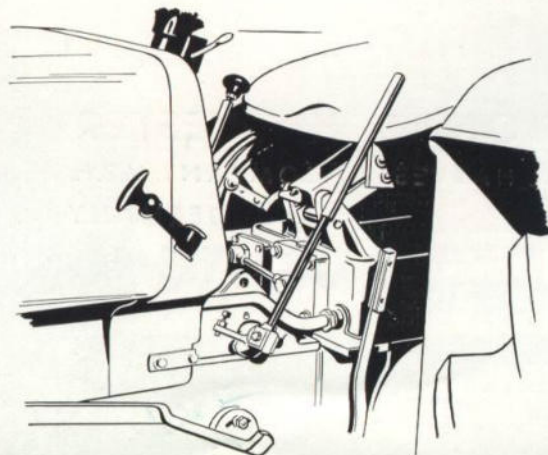
The system is equipped with a block valve which prevents inadvertent lowering when the engine is stopped.



The unique Agriomatic transmission enables p.t.o. driven machines like binders, balers, side mounted mowers and forage harvesters to cope with constant changing crop conditions. Just a nudge of the agriomatic lever and travel speed is reduced or stopped without affecting speed of p.t.o. This is exceedingly advantageous especially when the tractor hits a rough patch of lodged or weedy crops. The Agriomatic also makes it possible to change over from high range to low range without declutching or shifting gears, this means greater safety on gradients. These are but a few of the great benefits the IH Agriomatic offers.

# Agriomatic

## 8 - SPEED TRANSMISSION



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!

# 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.



D - 215  
16 HP



D - 219  
19 HP



D - 322  
23 HP

D - 326  
27 HP



D - 432  
33 HP



D - 439  
39 HP



## SPECIFICATIONS

### ENGINE:

IH 3-Cylinder, 4-Cycle Diesel with 4 bearing crankshaft.

Aluminium alloy pistons with 3 compression and 2 oil rings. Bosch injection pump with built-in R.S.V. type governor. Swirl-type pre-combustion chambers. Fuel filter. Pressure lubrication. Oil filter. Oil-bath air filter. Pump circulated water cooling. Thermostat. Radiator curtain.

Horsepower (Stripped engine)	27
Rated full-load R.P.M.	1,900
Bore. in.	3 <sup>7</sup> / <sub>16</sub>
Stroke. in.	4
Piston displacement. cu. in.	111.3
Compression ratio	19.1
Crankcase capacity. gal.	1.35
Cooling system capacity. gal.	2.91
Fuel tank capacity. gal.	7.93

### BELT PULLEY

Belt pulley speed. R.P.M. (At rated engine speed)	1,440
Diameter and width. in.	9 <sup>1</sup> / <sub>2</sub> × 6 <sup>3</sup> / <sub>8</sub>

### POWER TAKE-OFF:

Speed R.P.M.	577
Diameter. in.	1 <sup>3</sup> / <sub>8</sub>

### TRANSMISSION:

6 speed (regular equipment)		
Lubricant capacity. gal.	5.3	
Speeds: —		
(with standard tires)	km/h	m.p.h.
First (Creep Speed)	0.7-1.4	0.4-0.9
Second	3.0	1.9
Third	4.5	2.8
Fourth	6.0	3.7
Fifth	10.9	6.8
Sixth	18.8	11.7
Reverse	3.8	2.4

### TRANSMISSION:

8 speed AGRIOMATIC (special equipment)		
Lubricant capacity. gal.	5.3	
Speeds: —		
(with standard tires)	km/h	m.p.h.
First	1.97	1.1
Second	3.86	2.2
Third	6.15	3.5
Fourth	7.74	4.5
Fifth	5.17	3.0
Sixth	10.12	5.8
Seventh	16.10	9.3
Eighth	20.27	11.7
Reverse 1.	3.30	1.9
Reverse 2.	8.64	5.0

### DIMENSIONS AND WEIGHTS:

Length, overall. in.	108 <sup>1</sup> / <sub>4</sub>
Width, overall. in.	64 <sup>1</sup> / <sub>2</sub>
Height, overall. in.	61
Weight (regular equipment). lbs.	2,900
Ground clearance: —	
Front axle, center. in.	15 <sup>3</sup> / <sub>32</sub>
Rear axle, center. in.	15 <sup>3</sup> / <sub>32</sub>
Front Wheel tread, non-adjustable: —	
With wheels dished in. in.	49 <sup>1</sup> / <sub>4</sub>
With wheels dished out. in.	59
Front tread, adjustable in. (in 2 in. or 4 in. increments)	49 <sup>1</sup> / <sub>4</sub> —74 <sup>3</sup> / <sub>4</sub>
Rear tread adjustable. in.	49 <sup>1</sup> / <sub>4</sub> —74 <sup>3</sup> / <sub>4</sub>
Minimum turning radius. in. (with steering brake)	100
Maximum trailer load. tons	17

### REGULAR EQUIPMENT:

6-Speed Transmission. Adjustable tread, rigid front axle. Differential lock. Rear power take-off. Double disc brakes, hand operated and foot operated; individual or simultaneous pedal braking. Hand and foot accelerator. Muffler. Electric 12-Volt starting and lighting. Oil pressure indicator. Oil, air, and fuel filters. Stan-

dard implement drawbar. Front draw clevis. Elephant-ear type rear fenders with rear spotlight. P.T.O. master shield.

### TIRES:

Front	4,50—16
Rear	8—32

### SPECIAL EQUIPMENT:

IH-AGRIOMATIC 8-Speed Transmission. Exact hydraulic system with draft and position control. 3-point hitch. Category 1, with leveling link, adjustable upper link, adjusting crank, and adjustable drawbar. Adjustable tread spring mounted front axle. Swinging drawbar. Crown type fenders. Fender seat. Pre-cleaner for air filter.

Belt pulley drive with belt pulley. Vertical exhaust pipe and muffler. Front wheel splash shields. Agriomatic extension lever. Standard drawbar extension. Drawbar platform. Upholstered driver seat. Fuel feed pump. Second fuel filter with fuel feed pump. Control valve attachments. Front loader. Adjustable swivel-type trailer hitch. Front and rear wheel weights. Tractormeter.

### OPTIONAL TIRE EQUIPMENT:

Front	Rear
5.00—16 with	8—32 or 10—28 or 9—32
5.50—16 "	8—32 " 10—28 " 9—32
6.00—16 "	9—32 " 10—28 "
4.00—19 "	9—32 "
4.00—15 "	10—24 "
6.00—19 "	9—36 "
5.50—16 "	11—28 "
6.00—16 "	11—28 "
* 4.00—19 with	8—36 or 9—36
* 5.00—16 "	8—36 " 9—36
* 5.50—16 "	8—36 " 9—36
* 6.00—16 "	8—36 " 9—36

\* Tractors with this tire equipment require high clearance front axle.



# INTERNATIONAL HARVESTER

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