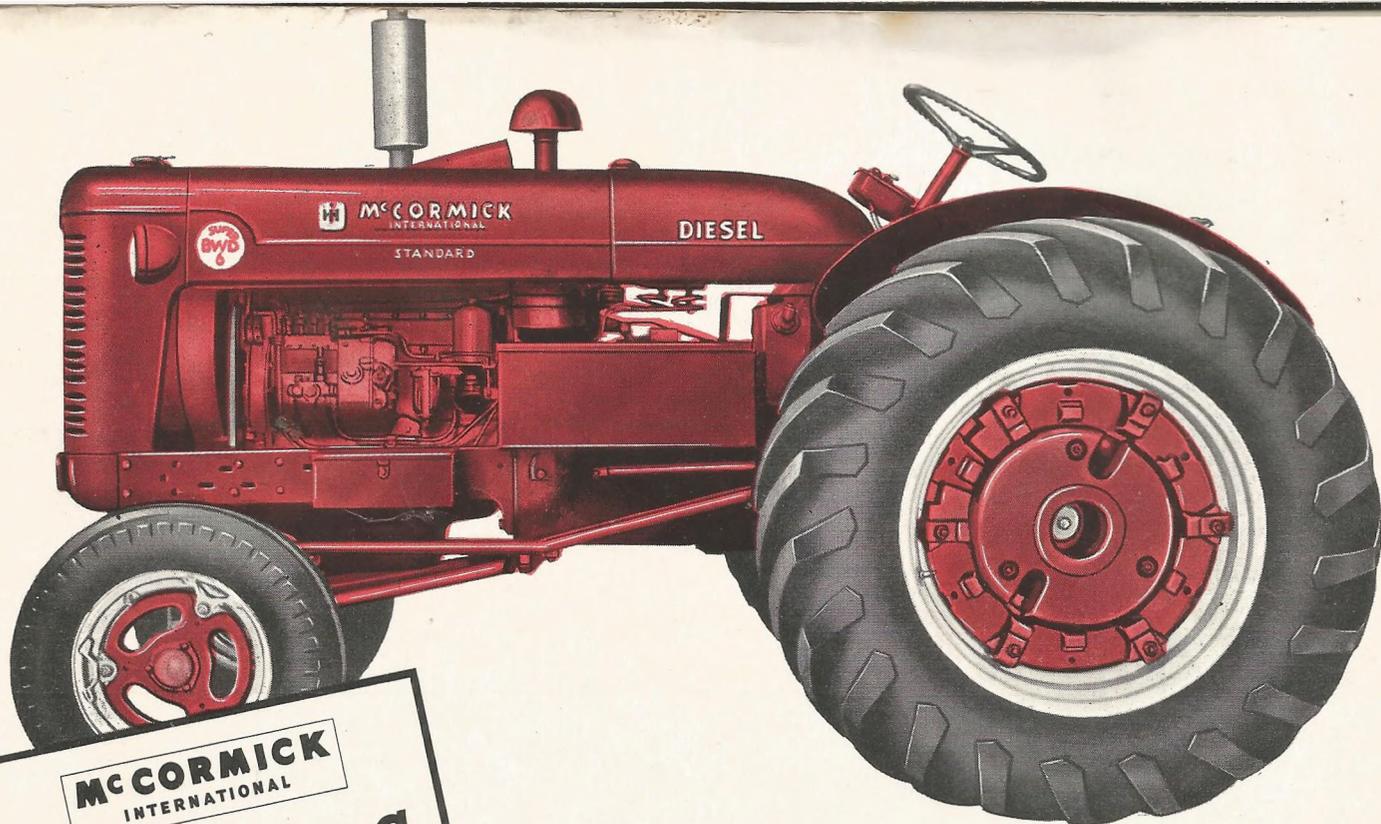


McCormick
INTERNATIONAL

SUPER BWD-6

DIESEL TRACTOR





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NEW HARD-

FOR DRAWBAR, POWER TAKE-OFF AND BELT MACHINES

This great new McCormick International 'low-built' tractor is designed expressly to provide you with a fuller measure of responsive and reliable power for your *drawbar, power take-off and belt equipment*. You will find it will operate your implements and machines more efficiently and economically than ever before.

PULLS YOUR LIGHT EQUIPMENT FASTER... YOUR HEAVIEST EQUIPMENT WITH EASE. Hitch on one of your present ploughs or harrows and you'll find you can work at a higher speed—cover extra acres of ground in a day. Use a plough with an extra body, or hitch two implements instead of one, and you can cover the same acreage as before, but finish the job hours earlier. Connect up your biggest power-drive machine, and right there at the take-off shaft of the Super BWD-6 you'll have a big reserve of smooth-flowing power to maintain top speed in the very toughest going. Slip a belt on the pulley and you've got the power it takes to keep big saws humming through hard timber, or threshers steadily filling the sacks to the limit of their capacity.

ENSURES FIRST-CLASS WORK IN ALL CONDITIONS. You can do a better job of tillage with the Super BWD-6. You get the extra power you need for deep ploughing in heavy land. You can weight your disc harrows and get better penetration in stubborn soils. The Super BWD-6 has wide tyres—they give you better traction on hard ground and roll over freshly tilled fields without leaving deep depressions or excessively packing the soil. It has a low centre of gravity and good balance and stability—you can steer easily, work in safety and get a straight-ahead hard pull on hillsides and on rough, undulating ground.

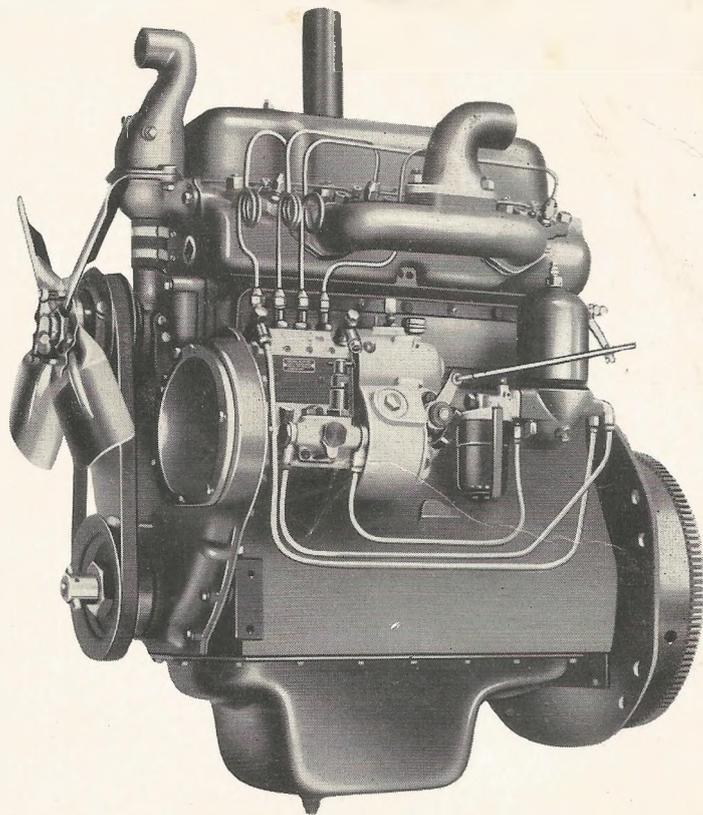
EXTRA RUGGED STRENGTH FOR A LONG LIFE OF HEAVY DUTIES. Season after season the Super BWD-6 will give you the dependable power you need, will work at full load through long days and in all weathers. From radiator to drawbar, every part of this tractor is made from the highest quality materials; and right through from first operation to final inspection every part must meet the rigid requirements of IH Quality Control. Almost every shaft of the Super BWD-6 runs in precision ball or roller bearings. Wherever dirt or water could cause damage, spring tensioned seals are fitted. All parts subject to wear are designed for easy renewal and can be readily obtained from the IH dealer, whose specialized service is always at your disposal.

FAST STARTING, FUEL SAVING, FULL DIESEL ENGINE

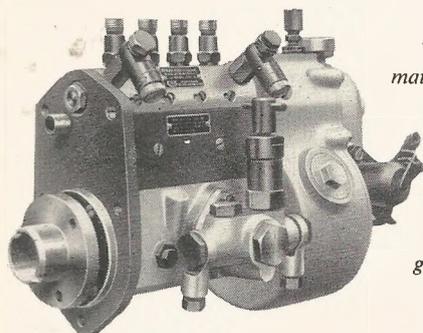
No finer engine has ever been built into a farm tractor. It is designed by International Harvester engineers, whose know-how stems from long and unique experience in the heavy-duty tractor engine field . . . and it is precision built at the IH Doncaster factory, which is one of the largest and most modern of its kind in Europe.

A *full diesel* engine, it eliminates the complication and extra cost of starting on petrol; and it is turned over easily on full compression by the heavy-duty electric starter motor. Glow-plugs in the combustion chambers ensure instant starting from cold.

LONG LASTING, EASILY RENEWABLE PARTS. All parts are precision made from highest quality specially selected materials. Every part must pass many rigid inspections before it goes into the Super BWD-6 engine to give the best performance and longest service. Parts can be easily replaced when necessary with new service parts that are exact duplicates of the originals.



WORKING POWER



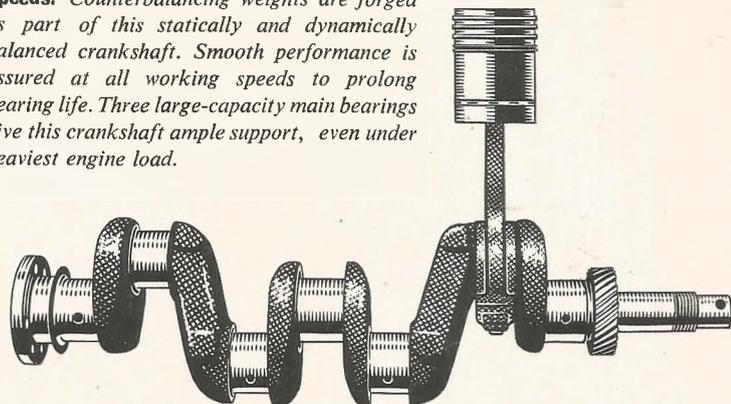
Automatic Torque Control
The centrifugal type governor maintains engine speed under all load conditions. The torque control is an integral part of the governor and serves to increase progressively the fuel delivery per stroke whenever the engine is progressively pulled under speed by an overload.

POSITIVE LUBRICATION. A gear type pump forces oil at high pressure to all bearings and working parts of the engine. Even when the tractor is pulling heavy loads on steep slopes, lubrication is positive and continuous.

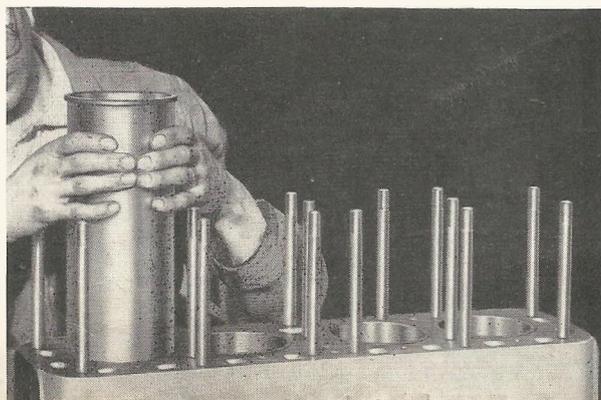
CONTROLLED COOLING. A heavy-duty pump assures positive circulation of water. A thermostat and radiator by-pass aid warm-up and accurately maintain the ideal operating temperature. Full length water jackets give uniform cooling of the cylinder walls throughout their entire length.

CLEAN OIL, FUEL, AIR. The Super BWD-6 engine has a Micronic oil filter which can be used for 240 hours before changing, a single fuel filter which gives the utmost protection to the precision injection system, and a big-capacity oil-bath air cleaner with an easily removable oil cup.

Smooth Performance At All Engine Working Speeds. *Counterbalancing weights are forged as part of this statically and dynamically balanced crankshaft. Smooth performance is assured at all working speeds to prolong bearing life. Three large-capacity main bearings give this crankshaft ample support, even under heaviest engine load.*

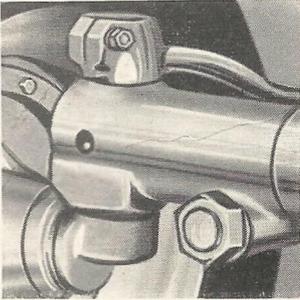


Replaceable Cylinder Sleeves. *These, together with matched pistons, enable you to keep the Super BWD-6 engine operating at peak efficiency for years and at very low cost.*



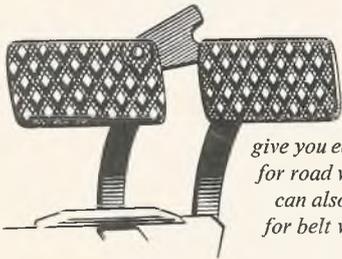
Super EASY HANDLING

1. Starting switch
2. Light switch
3. Oil gauge
4. Heat indicator
5. Governor adjusting lever
6. Belt pulley shifter
7. Gearshift lever
8. Clutch pedal
9. Brake pedals



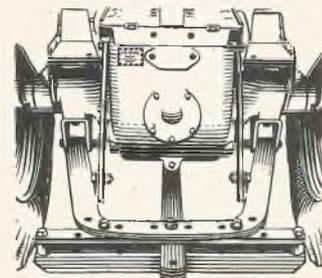
The Super BWD-6 is easy to steer. Ball bearings and bushes are used in the forged-steel steering knuckles.

The Super BWD-6 is a joy to use. The padded seat gives you correct, comfortable support and is rubber sprung to absorb jolts and jars. The clutch pedal, brake pedals, gearshift lever and throttle lever—controls that are in constant use—are located so that you can reach them without turning or stretching. You'll like the visibility of the gauges, the ease of gear changing, the way the large clutch operates without grabbing or jerking. And you'll like the lighting equipment, especially the high-power rear light for night-time field work.



With the brake pedals latched together, as shown, they give you equalized braking for road work. The pedals can also be locked down for belt work or parking.

Adjustable swinging drawbar provides correct draught, makes steering easier. A swinging type drawbar is available for trailing equipment. The drawbar is pivoted well forward of the rear axle, thus keeping the line of draft close to the ground, and is left free to swing in a wide arc, so reducing side draught on the turns and providing easier steering with less scrubbing of tyres.



Super ADAPTABILITY, TOO!

Although the Super BWD-6 is not designed as a row-crop tractor, you can get four different wheel settings on the front axle and three on the rear axle. The front axle mounting has provision for attaching a drawbar or rope: it saves you time turning around for a rear hitch.

The front axle, a steel tubing, is extra strong to withstand the bumps in rough fields. A three-leaf spring at the pivoting point absorbs shocks on extreme tilts.

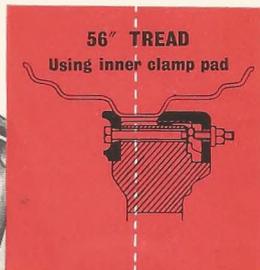


Front drawbar
A real time-saver for odd jobs.



FOUR FRONT-WHEEL SETTINGS

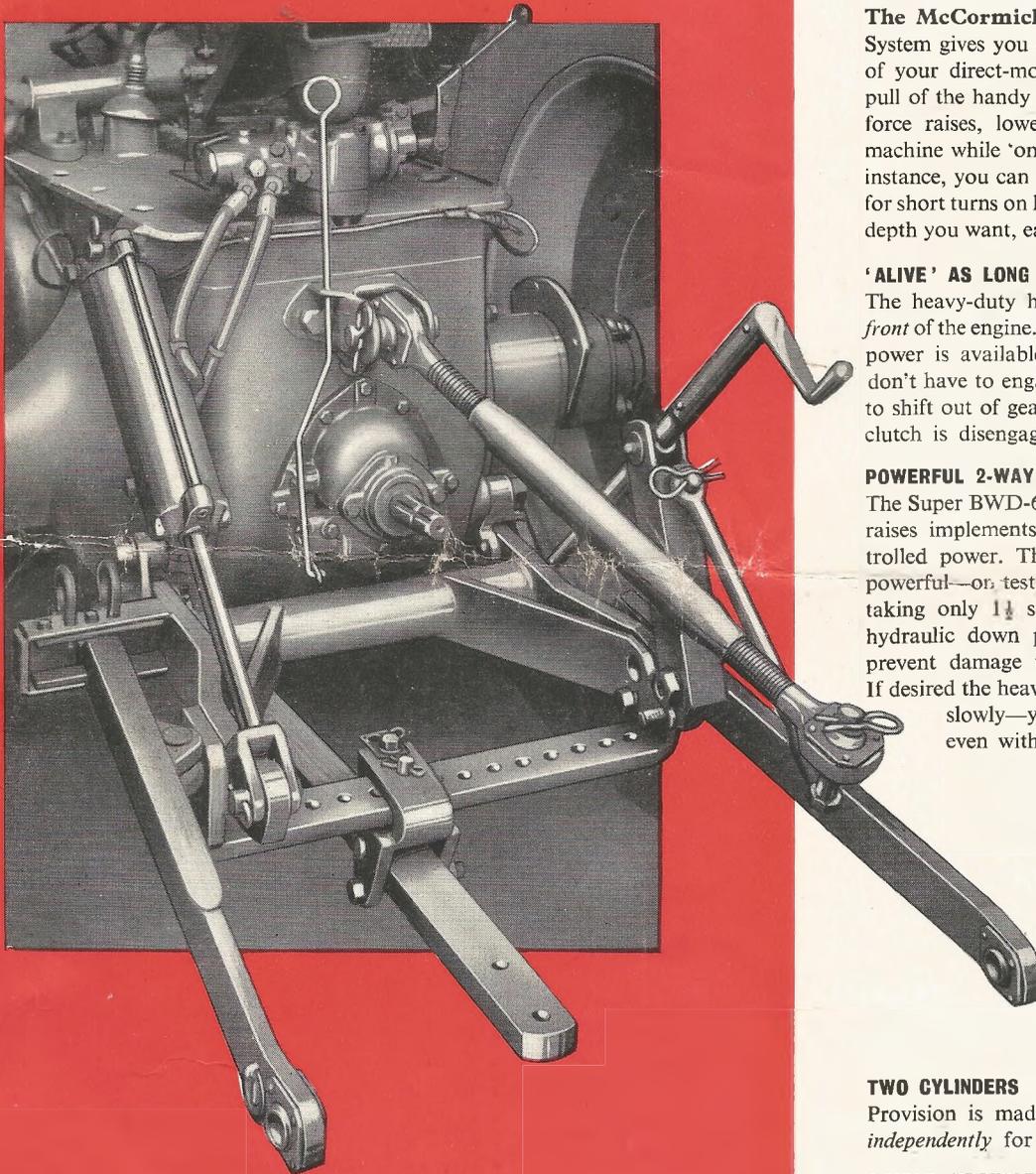
By changing the position of the rims on the wheels, you can get wheel spacings of 50, 53, 55½ or 58½ inches.



THREE REAR-WHEEL SETTINGS

The wheel rims are secured by clamps (1) on the inside and outside of the hubs. The clamps are of two different shapes and they can be bolted either on to the outer clamp pads (2) or the inner clamp pads (3). The diagrams show how, by reversing the clamps and using different clamp pads, wheel treads of 56, 60 and 64 inches can be obtained.

THREE POINT LINKAGE . . . with 'LIVE'



The sturdy three-point linkage has all the adaptability you need for your direct-mounted equipment. The right-hand link has a levelling adjustment, worked by a handle that can be reached from the tractor seat. Both links can be easily folded or detached to permit the use of any trailed implement, though many disc-harrows, trailed ploughs, etc., can be used also with the links in their ordinary position.

The drawbar rides up and down with the linkage, so that it cannot interfere with the linkage action. This drawbar movement is also a big advantage when you are hitching trailed equipment and permits you to choose the drawbar height giving the best traction.

The McCormick International 'LIVE' Hydraulic System gives you effortless, positive and safe control of your direct-mounted equipment. At the push or pull of the handy control lever, a powerful hydraulic force raises, lowers or adjusts your implement or machine while 'on the go.' When using a plough, for instance, you can lift it out quickly at the right place for short turns on headlands, urge it into the soil to the depth you want, ease it up when the going gets tough.

'ALIVE' AS LONG AS THE ENGINE IS RUNNING!

The heavy-duty hydraulic pump is mounted at the front of the engine. The moment you start up, hydraulic power is available—and available all the time. You don't have to engage the clutch first. You don't have to shift out of gear to adjust an implement when the clutch is disengaged.

POWERFUL 2-WAY ACTION

The Super BWD-6's 'LIVE' hydraulic power not only raises implements, but also lowers them with controlled power. The lift action is smooth and very powerful—or test it has lifted 1 ton. And it is fast—taking only $1\frac{1}{2}$ seconds to lift to full height. The hydraulic down pressure is deliberately limited to prevent damage to plough shares or tillage tools. If desired the heaviest implement can be lowered very slowly—yet the links can be lowered quickly even without any load on them.

TWO CYLINDERS

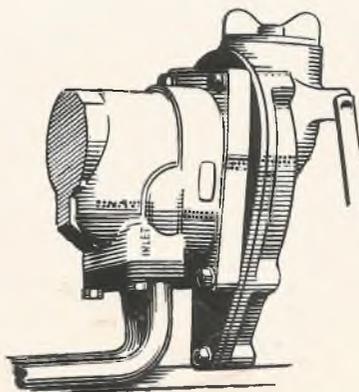
Provision is made for operating a second cylinder independently for controlling additional equipment.

SIMPLE, TROUBLE-FREE

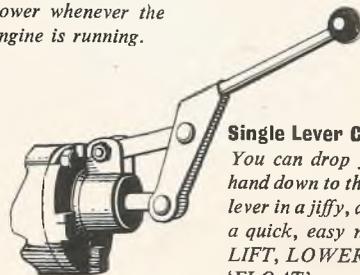
The McCormick International 'LIVE' Hydraulic System consists of a gear-type pump, a 1-gallon oil reservoir with safety valve, a single control valve with operating lever, heavy-duty oil-resistant hoses and a 2-way cylinder. Each part is engineered to give long service and is tested at many times the normal working pressure. The pump has pressure loaded bearings, self-compensating against wear.

HYDRAULIC CONTROL

1. Direct-connected gear type pump 2. Pipe lines
3. Oil reservoir 4. Control valve
5. Control lever 6. Double-acting cylinder



Direct-Connected Gear-Type Pump gives you hydraulic power whenever the engine is running.



Single Lever Control You can drop your right hand down to the control lever in a jiffy, and with a quick, easy movement LIFT, LOWER, HOLD or 'FLOAT' your implement.

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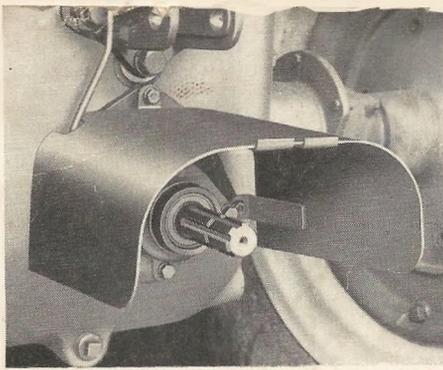
DIESEL TRACTOR

Special Equipment Available

Includes: Power take-off; Belt pulley; Three-point linkage and hydraulic-control drawbar; Engine-driven hydraulic pump; 14 x 30 rear tyres; Electric lighting attachments; Wheel weights; Radiator shutter.

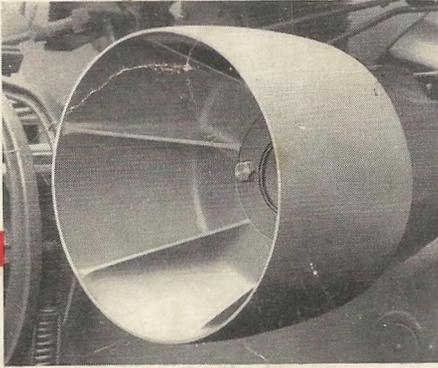
Power Take-off

This conforms to both S.A.E. and B.S.I. standards, and is supplied complete with shift rod and safety shield.



Belt Pulley

This can be engaged or disengaged from the tractor seat and is controlled by the engine clutch.



SPECIFICATIONS

Belt h.p. Max. (Not tested at N.I.A.E.)	47
Drawbar h.p. Max. (Not tested at N.I.A.E.)	12
Drawbar pull, Max. (Not tested at N.I.A.E.)	6,000 lbs.
Speeds (m.p.h.) 1st	2.391
" 2nd	3.407
" 3rd	4.429
" 4th	6.089
" 5th	14.945
" Reverse	3.188

Belt Pulley

Diameter/Face, ins.	11 x 7½
Pulley speed (at rated engine speed), r.p.m.	899
Belt speed, ft. per min.	2,588

Power Take-Off, r.p.m.

537

Engine

IH Model	BD 264
B.H.P.	50.5
Speed, rated full governor range, r.p.m.	1,450
Number of cylinders	4
Bore and stroke, ins.	4 x 5½
Piston displacement, cu. ins.	264
Cylinder sleeves (replaceable type)	4
Clutch size (single plate dry disc) ins.	12

Dimensions and Weights

Front wheel tread c. to c., ins.	50	53	55½	58½
Rear wheel tread c. to c., ins.	56	60	64	
Wheel base, ins.	78			
Length overall, ins.	125			
Width overall, ins.	69½			
Height overall, to top aircleaner, ins.	66			
Swinging drawbar, height above ground (adjustable), ins.	11, 15, 20" with 13 x 30 tyres (or any height from 7" to 20" if adjustable by hydraulic lift)			
Swinging drawbar, lateral adjustment each side of centre, ins.	9½			
Turning radius without braking, ft.	12½			
Turning radius with braking, ft.	10¾			
Approx. weight, lbs.	5,900			
Front Wheels 2-4-ply triple rib tread tyres	6 x 16			
Rear Wheels 2-6-ply agricultural tread	13 x 30			

Capacities

Fuel Tank, gallons	17¾
Crankcase, quarts	8
Transmission, gallons	11
Cooling system, gallons	5½ (approx.)
Air cleaner cup, pints	2½
Hydraulic system, gallon	1

INTERNATIONAL HARVESTER COMPANY OF GREAT BRITAIN LIMITED
HARVESTER HOUSE, 259 CITY ROAD, LONDON, E.C.1.

Your IH dealer is: