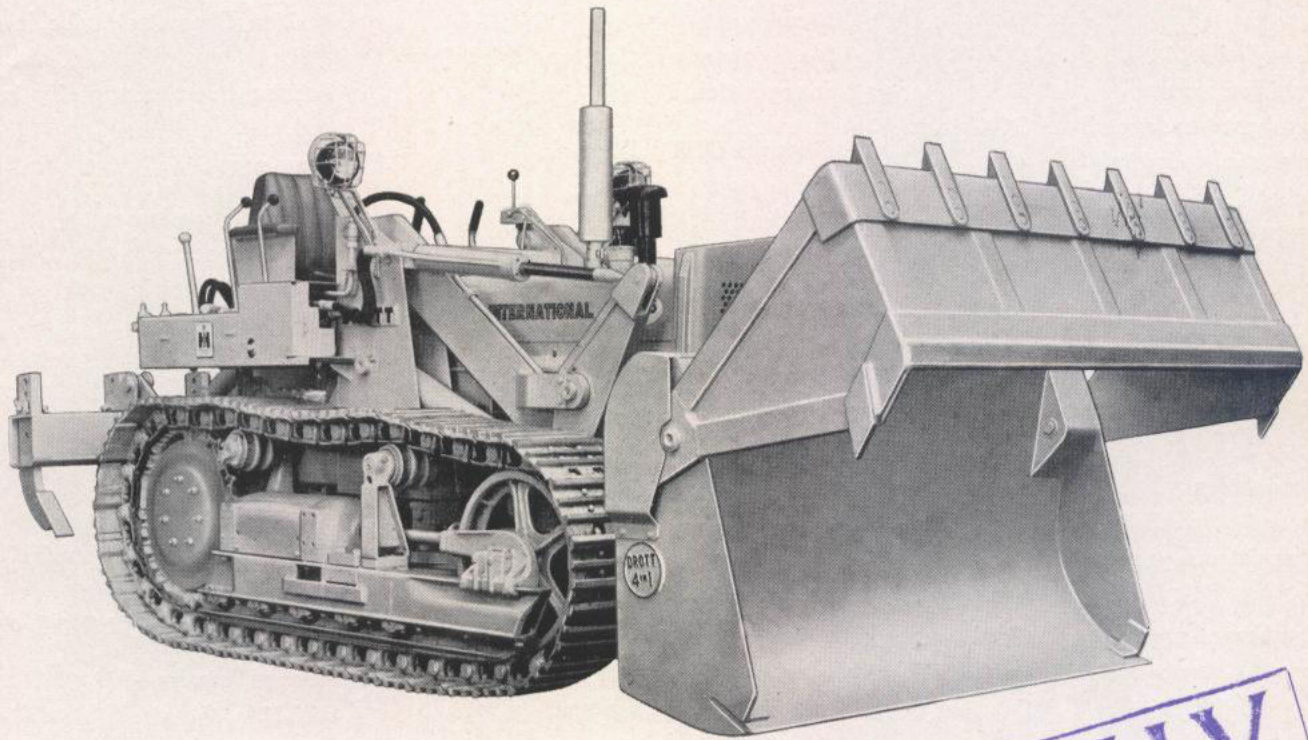


# INTERNATIONAL DROTT

# D-85 LOADER



ARCHIV

#### **IH-Diesel Engine DD-148**

Direct starting, 4-cylinder 4 cycle, Bosch injection system, pressurized thermostatic-controlled water cooling, pressure lubrication.

#### **Full Reversing Transmission**

5 forward and reverse speeds, easy, quick gear shifting from forward to reverse.

#### **Steering via Disc-Braked Planetary**

On both sides of the final drive are two disc brakes (steering clutch brakes) installed. By partially pulling back steering lever the power flow is discontinued, pulling lever right back applies steering brake to the respective track.

#### **Robustly-Designed Hydraulic Loader**

Double-acting hydraulic cylinder, strong all-welded booms for maximum strength and stability.

#### **Backhoe as Attachment**

Simple, strong construction, easy to attach and detach with pins no bolts

<b>Max. Horsepower:</b>	<b>39.5</b>
<b>Max. Torque ft/lb:</b>	<b>108</b>
<b>Max. Speed:</b>	<b>mph.</b>
<b>forward</b>	<b>5.18</b>
<b>reverse</b>	<b>6.15</b>
<b>Breakout Force:</b>	<b>15.428 lbs.</b>
<b>Operating Weight:</b>	<b>11.350 lbs.</b>
<b>(with „4 in 1“ shovel and counterweight)</b>	



# D-85 LOADER

## SPECIFICATIONS

### Engine:

IH-4-cylinder, 4-cycle diesel DD-148	
Max. Horsepower	39.5
Rated governed speed	2,000 r.p.m.
Number of cylinders	4
Bore	3 <sup>7</sup> / <sub>16</sub> in.
Stroke	4 in.
Displacement	148 cu. in.
Fuel	Diesel
Electrical system	12 V
RPM at maximum torque	1,450
Full pressure lubrication	

### Transmission:

5-speed transmission with fast-full-reverser in each gear.

### Travel speed at rated engine RPM

Gear	Forward MPH.	Reverse MPH.
1	0.91	1.08
2	1.94	2.26
3	2.92	3.45
4	3.87	4.60
5	5.18	6.15

### Max. Traction at rated engine RPM.

Gear (forward)	Pounds
1	17,300
2	7,630
3	5,070
4	3,820
5	2,870

### Engine Clutch:

10 inch, single plate, dry type, with long life sinter metal facing.

### Steering:

Mech. powered planetary drive (one for each track).

### Capacities (US gallons):

Cooling system	3.7
Fuel tank	14 <sup>1</sup> / <sub>2</sub>
Final drive cases (each)	0.7
Transmission case	4 <sup>1</sup> / <sub>4</sub>
Engine lubrication	1.8
Lubrication idlers and rollers	3.2

### Track Dimensions – inches:

Gauge, center to center	48
Track shoes, width	10 or 11 <sup>3</sup> / <sub>4</sub>
Number of track shoes, each side	37
Number of rollers, each side	5
Number of idlers, each side	2
Length of tracks on ground	68 <sup>1</sup> / <sub>2</sub>
Area of ground contact	
with 10-in shoes, sq. in.	1,364
with 11 <sup>3</sup> / <sub>4</sub> in shoes, sq. in.	1,635

### Tractor Dimensions – inches:

Length over-all	102.4
Width over-all, with 10-in. shoes	58 <sup>1</sup> / <sub>4</sub>
Height, ground line to highest point	60.6
Turning radius	65
Ground clearance	11.4

### Hydraulic System:

Closed type, pump front mounted, accessible through radiator guard.  
Control valve – three valve unit

Position, lift control; raise, lower, hold, float

Position, bucket control: Tip back, hold, dump

Pump capacity 16.9 G.p.m.

### Loader Dimensions:

Bucket capacity	0.85 cu. yd.
Width of bucket, in.	65
Dumping clearance tilting, in.	93
bottom discharge, in.	110.3
Angle of repose	45°
Max. reach at max. height, in.	26

### Operating Weight – pounds:

With „4 in 1“ shovel  
and counter weight (1100) 11,350

### Ground Pressure – PSI

with 10 in. shoes	8 <sup>1</sup> / <sub>4</sub>
with 11 <sup>3</sup> / <sub>4</sub> in. shoes	6.8

### Attachments:

#### Backhoe – inches:

Digging depth, max.	141 <sup>3</sup> / <sub>4</sub>
Reach, max.	181.1
Dumping clearance, max.	126
Height, max.	177
Digging radius, degrees	180
Weight, pounds	2,755
Breakout force, pounds	15,428

#### Scarifier – inches:

Working scoop with 3 teeth	57
Total width	58.4
Working depth, max.	9.1
Weight, pounds	1,170



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