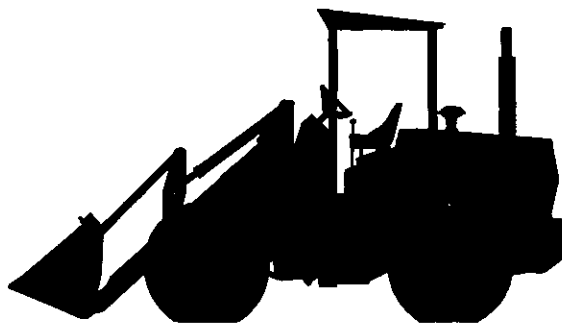


940 WHEEL LOADER



When you need a 1½—2 cu. yd. loader, stop compromising. Get exactly the machine you need . . . the 940. Specifically built for the load it lifts, the 940 assures you maximum durability, productivity and safety.

Look at its features . . . 80° articulation, cuts cycle time and increases maneuverability . . . four-wheel drive keeps you going, when terrain conditions are adverse . . . exclusive double bucket roll-back lets you lift a full bucket and carry it without spillage. The 940 means maximum production efficiency.

The 940 is the right machine for your job.

- 1½—2 CU. YD. CAPACITY
- 14,500 LBS. OF BREAKOUT FORCE
- 80° ARTICULATION
- 4-WHEEL DRIVE



WHEEL LOADER



940 SPECIFICATIONS

DRIVE TRAIN

ENGINE

Type	Allis-Chalmers 2900 Series Diesel Direct injection, turbo-charged	
Horsepower	96 hp gross	90 hp net
Maximum Torque	245 ft lbs.	
Number Cylinders	6	
Displacement	301 cu. in.	4932.5 cubic cm
Bore	3.875	98.43 mm
Stroke	4.25	108.0
Compression Ratio	6.25 to 1	
Operating Range	700 to 2,700 RPM	
Main Bearings	7	
Diameter	2.750 Nominal	
Length	2.20 Nominal	
Engine Rated Speed	2500 RPM	
Air Cleaner	Dry Type	
Cooling	61 GPM Centrifugal pump	
Fuel Injection Pump	Distributor Type	
Lubrication	Pressure, crankshaft driven gear pump	
First Gear	3.7 MPH	5.9 km/hr
Second Gear	7.5 MPH	12.1 km/hr
Third Gear	19.3 MPH	31 km/hr

Torque Converter

Multiplication Ratio 3.1 to 1

Differentials

Axles	Torque Proportioning Planetary	
Oscillation	11" either direction	
Articulation	40" either side	
Axle Ratio	19.05 to 1	
Brakes-Parking	Mechanical on drive shaft	
Brakes-Service	Hydraulic Power Assist 16" diameter x 3.5" wide (406 mm by 89 mm)	
Steering	Full Power, constant speed	
Turning Radius	14'10"	452.1 cm

CAPACITIES

Hydraulics-Loader	35 Gallons	132.5 DM ³
Cooling System	6 Gallons	22.7 DM ³
Fuel Tank	30 Gallons	113.6 DM ³
Engine Lubrication	16 Quarts	15.1 DM ³
Transmission	20 Quarts	18.8 DM ³
Differential	11 Quarts	10.4 DM ³
Planetary Ends	2 Quarts	1.9 DM ³

HYDRAULIC SYSTEM

Steering & Braking Gear Type
12.2 GPM at 1500 PSI

Loader Pump flow 36 Gallons at 2500 RPM

ELECTRICAL SYSTEM

12 Volt 55 Amp Alternator
Two 95 Amp Hour Batteries
Negative Ground
Starting 12 volt, electrical

Metrics

DIMENSIONS

Tire Tread (front and rear)	70"	177.80 cm
Wheel Base	96"	243.84 cm
Front Axle Overall Width	84.50"	214.63 cm
Overall Width Tires	88"	223.52 cm
Ground Clearance		
Under Articulation Joint	15.12"	38.40 cm
Under Axle Differentials	16.31"	41.43 cm
Bucket Width		
1 1/2 cu. yd.	88"	223.52 cm
1 3/4 cu. yd.	90"	228.60 cm
2 cu. yd.	94"	238.76 cm
Maximum Bucket Rollback		
Ground Level	44°	
Maximum Bucket Rollback @ Carry	55°	
Maximum Dump Angle, Full Height	54°	
Digging Depth—		
Bucket Bottom Level	4.25"	10.80 cm
Overall Length		
Bucket on Ground		
1 1/2 cu. yd. Bucket	219.8"	558.29 cm
1 3/4 cu. yd. Bucket	221.4"	562.35 cm
2 cu. yd. Bucket	223.8"	568.45 cm
Bucket Clearance		
Full Height 45° Dump		
1 1/2 cu. yd. Bucket	112"	284.48 cm
2 cu. yd. Bucket	106.4"	270.26 cm
Reach 45° Dump		
Full Height		
1 1/2 cu. yd. Bucket	40"	101.60 cm
2 cu. yd. Bucket	39.75"	100.96 cm
Height Top of ROPS	122.44"	311.00 cm

OPERATING SPECIFICATIONS

940 with ROPS, 17.5 x 25 tires, 1000 lbs. rear weight and 1 3/4 cu. yd. Bucket.

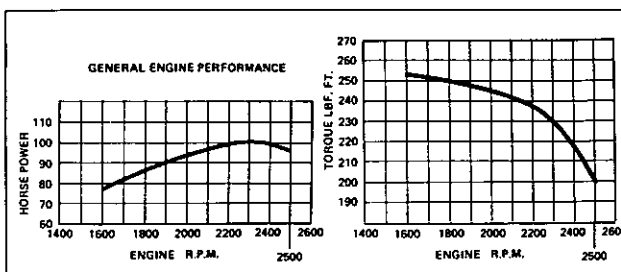
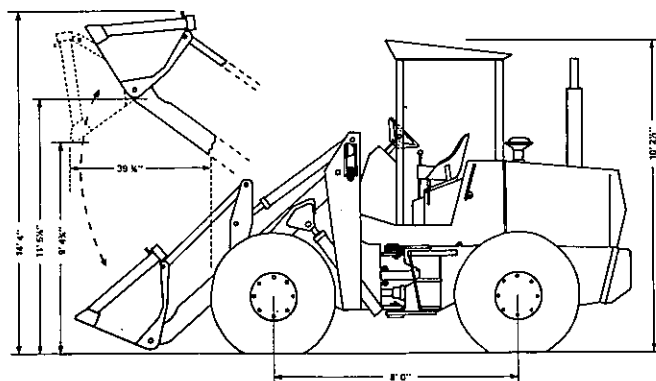
Lift Capacity		
Full Height	11,100 lbs.	5034.96 kg
Hydraulic Lift		
Capacity @ 18"	17,870 lbs.	8105.83 kg
Breakout Force	14,400 lbs.	6531.84 kg
Tip Load		
0°	12,560 lbs.	5697.22 kg
35°	11,100 lbs.	5034.96 kg
40°	10,690 lbs.	4848.98 kg
Load Capacity	5,345 lbs.	2424.49 kg
Operating Weight	17,650 lbs.	8006.04 kg
Maximum Articulation	40°	
Rear Axle Oscillation	22°	

Operating Weight Adjustments

15.5 x 25 Tires	- 450 lbs.	-204.12 kg
1 1/2 cu. yd. Bucket	- 100 lbs.	- 45.36 kg
2 cu. yd. Bucket	+ 100 lbs.	+ 45.36 kg
Rear Weight	-1000 lbs.	-453.60 kg
ROPS CAB	+ 251 lbs.	+113.85 kg

Tip Load Adjustments

	0°	35°	40°
No Rear Counter Weight	-1570 lbs. - 712.2 kg	-1390 lbs. - 630.5 kg	-1275 lbs. - 578.3 kg
15.5 x 25 Tires	- 560 lbs. - 254.0 kg	- 430 lbs. - 195.0 kg	- 140 lbs. - 63.5 kg
1 1/2 cu. yd. Bucket	- 120 lbs. - 54.4 kg	- 230 lbs. - 104.3 kg	- 230 lbs. - 104.3 kg
2 cu. yd. Bucket	0	0	0



The information contained herein is general in nature and is not intended for specific application purposes. Allis-Chalmers reserves the right to make changes in specifications shown herein, add improvements, or discontinue manufacture at any time without notice or obligation.

ALLIS-CHALMERS

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