



INTERNATIONAL®

PAY HAULER

20 TON CAPACITY



INTERNATIONAL HARVESTER COMPANY

Construction Equipment Branch

1901 Broadway - P. O. Box 1715 Sacramento, California 95818

Phone: 443-1727



EXCLUSIVE INTERNATIONAL MONO-FLOW

Ruggedly constructed for maximum availability. Wearing surfaces of high-tensile strength, abrasion-resistant steel. Rigid construction of body and chassis frames makes the 65B specially adapted for operations where unequal load distribution and sudden loads are common.

The low, wide body and 65° dump angle provides the target, best stability, and the cleanest dump, to trim time per haul-dump cycle. The body is fully raised in only 12 seconds by a hoist cylinder. Internal snubbing at both top and bottom of the hoist provides shockproof dumping action.

High strength steel wear bars illustrated are available for use with abrasive materials. An optional exhaust heating system is available to prevent freezing of material to body floor and sides in winter.

speed range with low piston speed and less cylinder wear...all of which pays off in faster movement of full payloads.

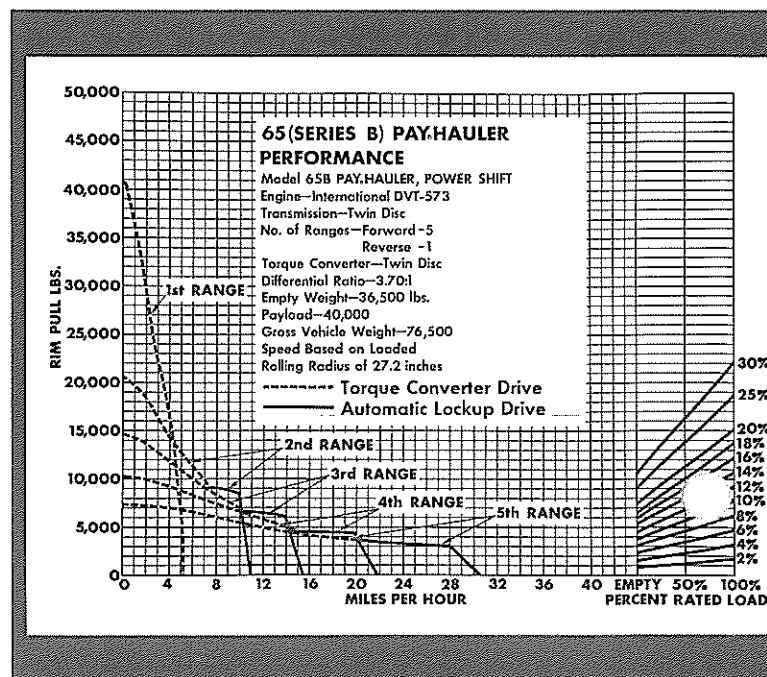
YOUR CHOICE OF SMOOTH, EFFICIENT TRANSMISSIONS

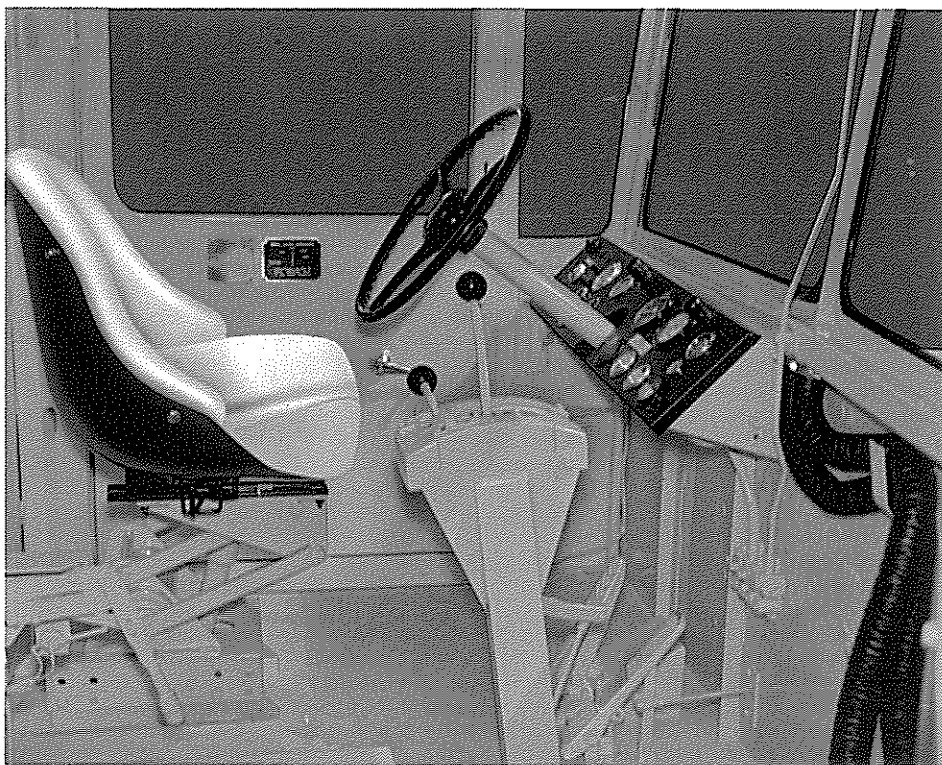
1. Power shift—The compact and easy to service power shift transmission is coupled to a single stage torque converter with automatic lock-up in all forward gears except first. To meet varying road and grade conditions, the transmission provides nine speeds forward, four of which are obtained by automatic torque converter lock-up. The simple countershaft type design also provides a power shift reverse speed all with only three heavy-duty clutch packs hydraulically activated by finger-tip control.

To control speeds on down grades the transmission is regularly equipped with a hydraulic retarder. This not only greatly increases safety, but also substantially reduces wear on the regular air-actuated front and rear wheel brakes.

2. Manual shift—This transmission gives you 10 speeds forward and 2 speeds in reverse. Constant mesh gearing and an inertia brake allows the operator to shift smoothly through all speed ranges.

Planetary final drive reduction gears transmit power from the full floating rear axles to the drive wheels. This provides a 5.5 to 1 reduction ratio from the integral rear axle sun gear through the planet gears and stationary ring gear to the drive wheel rims. Therefore, the heaviest loads are distributed over three gear meshes instead of only one for longer service life.



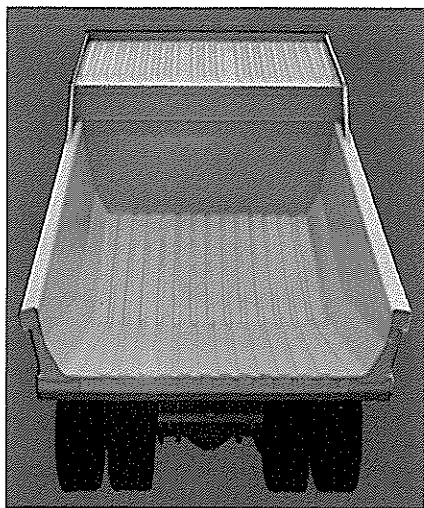


BODY

ces are of
on of both
in rough
shifts are

st loading
the load-
a 3-stage
e cylinder

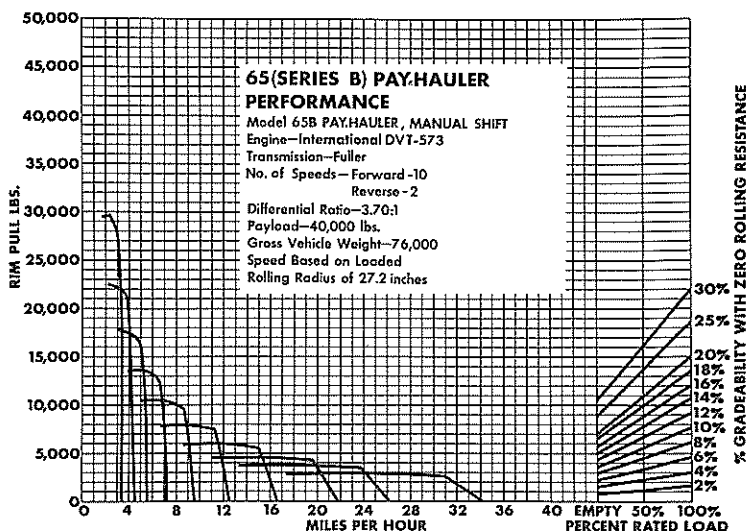
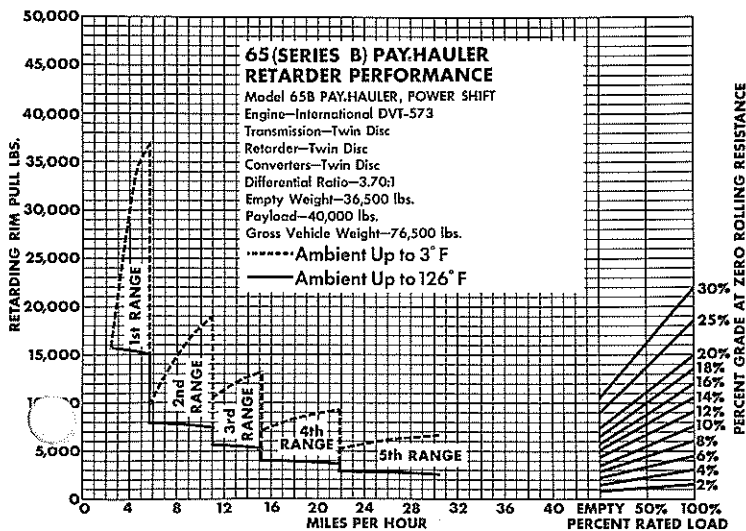
involving
available
d weather.



A GOOD OPERATOR BECOMES BETTER...

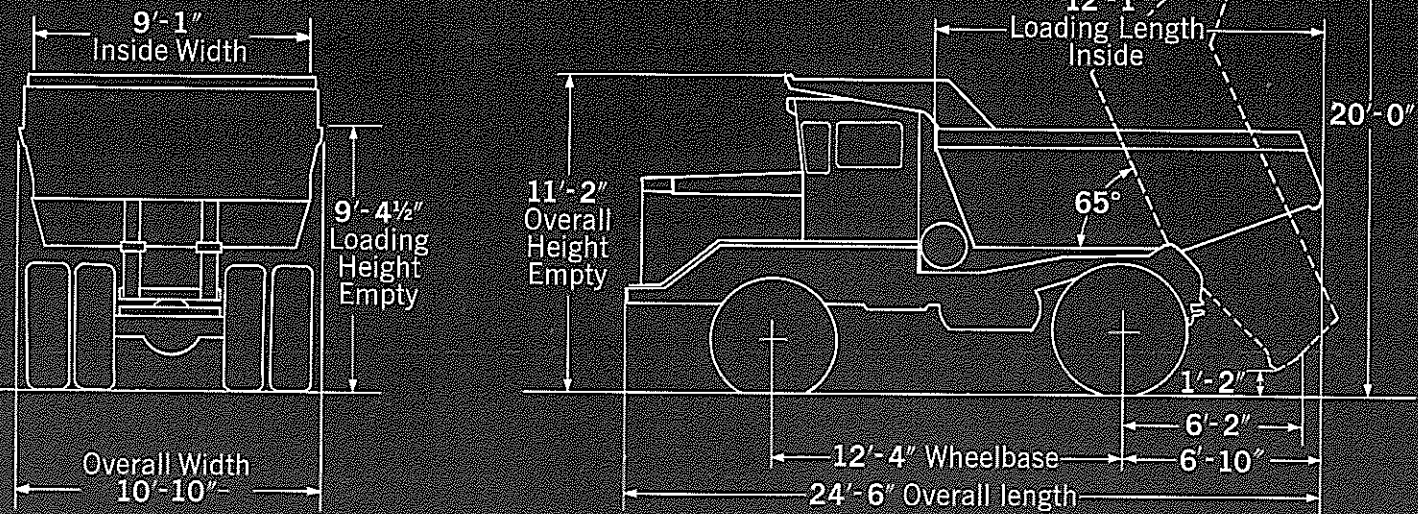
when he's aboard the 65B PayHauler. Its cab gives him comfort, convenience, and safety. He can produce more efficiently all day, work longer shifts with less fatigue, and no wonder!...he works with

- conveniently placed controls in a roomy, 79" wide cab
- the best visibility through an expansive area of shatterproof glass
- big, positive brakes and retarder (with power shift transmission) for positive speed control
- hydraulic booster steering with positive "road feel"
- four adjustable air vents for excellent cab ventilation
- adjustable bucket seat for smoother ride
- easy-to-read instruments grouped on one cushion-mounted, lighted panel



INTERNATIONAL 65B PAY HAULER

| CONVERSION TABLE | |
|--|------------------------------|
| 1 mile = 1.609 km | 1 sq. in. = 6.452 sq. cm |
| 1 cu. yd. = 0.7646 cu. meters | 1 lb. = 0.4536 kg |
| 1 foot = 30.48 cm | 1 sq. yd. = 0.836 sq. meters |
| 1 inch = 2.54 cm | 1 sq. ft. = 929 sq. cm |
| 1 U.S. gal. = 3.785 liters | |
| 1 U.S. gal. = 0.833 Imp. gal. | |
| 1 U.S. gal. diesel fuel = 7.1 lbs. (approx.) | |
| 1 U.S. gal. coolant = 8.33 lbs. (approx.) | |



SPECIFICATIONS

Engine: International DVT-573, 4-cycle, 8 cyl., 573 cu. in. displacement, bore and stroke 4 1/2" x 4 1/2"

Maximum horsepower for comparison purposes @ sea level and 60°F.....300

Rated horsepower @ 2,500 RPM.....260

Air cleaner.....Dry Type

Transmission (Power Shift): Twin Disc transmission and torque converter with hydraulic retarder. Five (5) forward and one (1) reverse range. Automatic torque converter lock-up in 2nd thru 5th ranges provides nine (9) speeds. Hydraulic retarder permits downgrade speed control.

Transmission (Manual Shift): Fuller, with 17" single plate clutch, provides 10 forward and 2 reverse speeds.

Axles: Front—"I" beam. Rear—International, full-floating, single reduction differential with final planetary in wheels.

Suspension: Free-floating semi-elliptic springs; radius rod mounted.

Air Brakes: Cam Type, 2-shoe. Front—17 1/4" x 4". Rear—20 1/4" x 7". Total lining area, 915 sq. in.

Air Compressor.....7 1/4 cu. ft. per min.

Parking Brake, 2-shoe.....12" x 5"

Steering: Cam and lever, hydraulic cylinder assist.

Frame: Variable section "I" beam. Box bumper front torque member. Tubular rear torque and hoist mounting members.

Cab: Adjustable bucket seat, shatter-proof glass, adjustable vents, rubber-mounted instrument panel.

Electrical System: Starting and lights.....24 volts

Tires: (tubeless)

Front (standard).....13.00 x 25-16 ply

Rear (standard).....16.00 x 25-24 ply

Body Capacity:

Struck, (SAE) cu. yds.....13.1

Heaped @ 2:1 (SAE), cu. yds.....17.3

Rated payload, tons.....20.0

Body Construction: Mono-Floor, all welded, 100,000 psi minimum: floor 3/8", front wall 1/2", sides 3/8".

Body Hoist: International, single cylinder, 3 stage, (double-acting 3rd stage), snubbed at both ends.

Hydraulic Pump: Engine mounted for steering and hoist.

Fuel Tank Capacity:.....100 gallons

General Dimensions:

Clearance { Front Axle.....1' 3"

 { Drive Axle.....1' 4"

Turning radius.....27' 9"

Tread { Front.....6' 10 3/8"

 { Rear.....7' 1/4"

Weights: (approx. lb.)

| | Power Shift | Manual Shift |
|--------------------------------------|-------------|--------------|
| Chassis (incl. hoist cyl.)..... | 26,900 | 26,400 |
| Body..... | 9,600 | 9,600 |
| Total Empty..... | 36,500 | 36,000 |
| Distribution Empty: Front axle..... | 14,300 | 14,000 |
| Rear axle..... | 22,200 | 22,000 |
| Distribution Loaded: Front axle..... | 15,500 | 15,200 |
| Rear axle..... | 61,000 | 60,800 |
| Total Loaded..... | 76,500 | 76,000 |

Specifications subject to change without notice

INTERNATIONAL[®]
AND
I. H. HOUGH[®]
CONSTRUCTION EQUIPMENT
INTERNATIONAL HARVESTER COMPANY • CHICAGO • ILLINOIS • 60611