

12 Ton – Bucyrus Erie H-5 Hydrocrane Carrier



Chassis: Model: H-5-C, 6 x 6 (3 axle)
Specially designed and build for the H-5 Hydrocrane. Frame is all-welded construction, fabricated from 12" x 65 lb. wide flanged alloy steel beams, adequately braced and reinforced. Chassis includes front grille, cab, front fenders, towing eyes at front, front bumper, step, grab handles, rack for crane boom and battery box. 40 gallon fuel tank. Open utility compartment adjacent to engine on right side. Fenders for rear wheels and additional 40 gallon fuel tank available.

Axels:
Front axle: Timken with heavy duty steering knuckles. Dynamic capacity 12,000 lbs., 68" track.

Rear axle: Timken double reduction, tandem, forged steel housing. Dynamic capacity of tandem 32,000 lbs., 68" track.

Suspension:
Front: Semi-elliptic heavy duty leaf type alloy steel with overload springs.

Rear: Bogie beam type, underhanging, torque rods and cast steel equalizer beams. (No springs.) Rubber tandem suspension available.

Wheels:
Steel disc 20" diameter. Front and rear wheels interchangeable.

Tires:
10 tires, 9:00 x 20-10 ply, non-directional treads. Single front, dual rear. 10 – 10:00 x 20-12 ply are available.

Gross Vehicle Weight: 50,580

Brakes:
Service brakes: Full air on all six wheels.
Front: 17 ¼" x 4"
Rear: 16 ½" x 5"

Parking brakes: Acco Tru-Stop, 4-shoe on transfer case.

Steering:
Ross TE-71 cam and twin lever. Hydraulic power steering available

Transmission:
Fuller 5A-43
5 speeds forward and 1 reverse

Ratios:

First	-	8.03:1	Fourth	-	1.41:1
Second	-	4.61:1	Fifth	-	1.00:1
Third	-	2.46:1	Reverse	-	8.00:1

Maximum Speed: 35 MPH

Transfer Case:
Timken T-76

Ratios: High - 1.00:1
Low - 1.71:1

Clutch:
Rockford, single plate, 14" diameter.

Power Plant:

International Harvester RD-450, gasoline engine, 6 cylinder, 4-3/8" x 5", 182 HP @ 3000 rpm, 12 volt electric starting. Diesel engine also available.

Cab:

All steel one-man type. 32" wide, offset to left complete with full door, opening type windows with safety glass, sun visor, grab handle, adjustable seat and side mounted rear view mirror.

Instruments:

Speedometer, ammeter, oil pressure gauge, electric fuel gauge and low pressure warning buzzer.

Miscellaneous Standard Equipment:

Sealed beam headlights, tail and stop lights, front and rear self cancelling directional signals, clearance lights, electric windshield wiper and horn. Hydraulic jack and lug wrench.

CARRIER FOR REMOTE CONTROL

Model: H-S-R, 6 x 6 (3 axle)

Specifications same as H-5-C except as follows:

Remote Control Unit:

Operator can perform the following functions from the upper works operator's station:

- a. Start or stop engine.
- b. Shift gears, low or reverse gears only.
- c. Steer carrier with power hydraulic steering unit.
- d. Apply service brakes and set brake lock.
- e. Control engine speed.

Steering: Hydraulic power steering is standard.

Transmission: Allison MT-30G, Ford Transmatic.

Ratios: (Converter 3.5:1)

First	-	5.29:1	Fifth	-	1.39:1
Second	-	3.81:1	Sixth	-	1.00:1
Third	-	2.69:1	Reverse	-	6.04:1
Fourth	-	1.94:1			

Maximum Speed: 51.5 MPH

Clutch: None

Power Plant:

Ford 332 HD-V8 gasoline engine, 8 cylinder, 3.80" x 3.66", 167 HP @ 3800 rpm. 12 volt electrical system.

