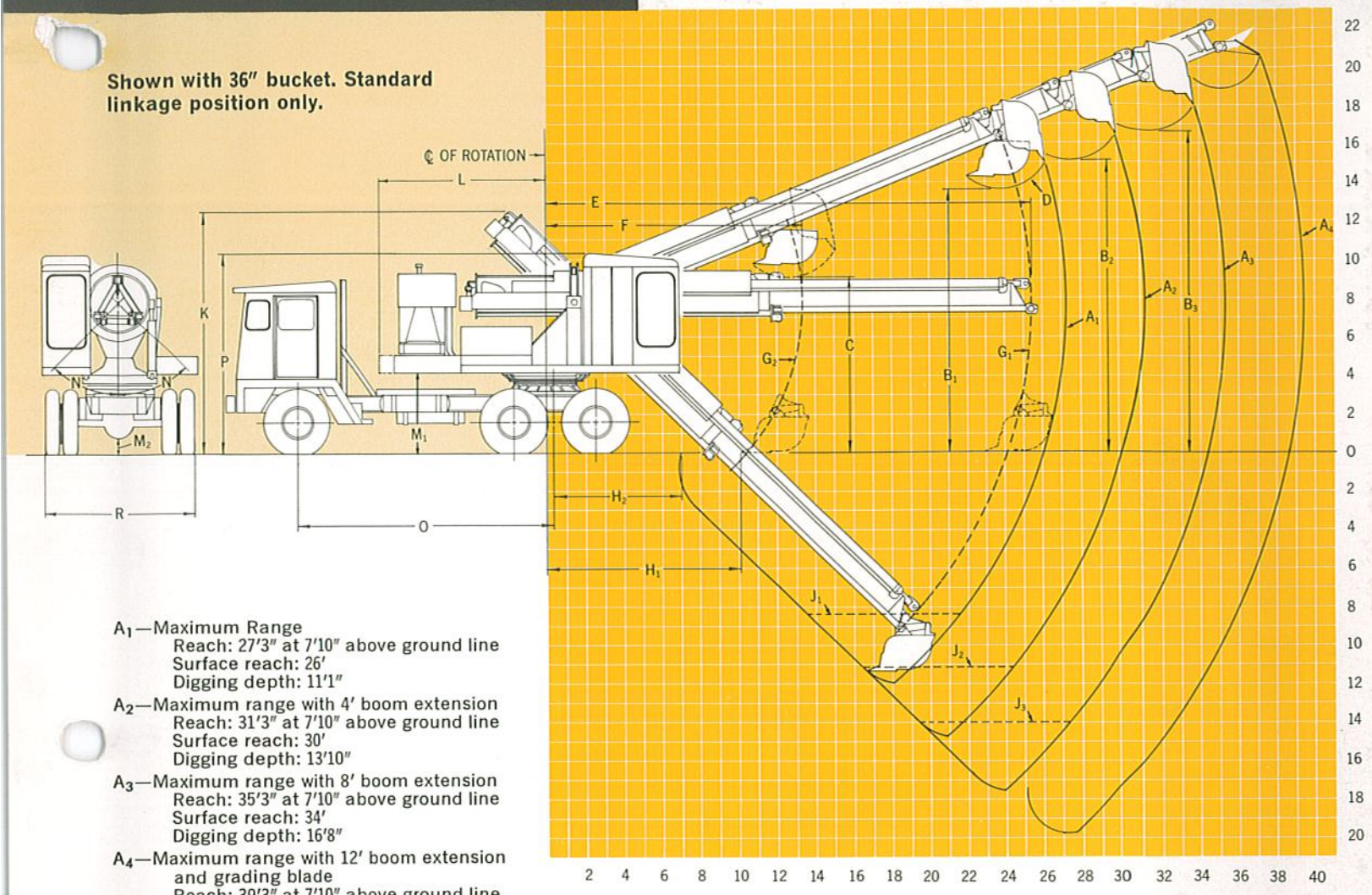
WARNER & SWASEY Gradall G-600 CARRIER

Shown with 36″ bucket. Standard linkage position only.



A_1—Maximum Range
Reach: 27′3″ at 7′10″ above ground line
Surface reach: 26′
Digging depth: 11′1″

A_2—Maximum range with 4′ boom extension
Reach: 31′3″ at 7′10″ above ground line
Surface reach: 30′
Digging depth: 13′10″

A_3—Maximum range with 8′ boom extension
Reach: 35′3″ at 7′10″ above ground line
Surface reach: 34′
Digging depth: 16′8″

A_4—Maximum range with 12′ boom extension and grading blade
Reach: 39′3″ at 7′10″ above ground line
Surface reach: 38′5″

B_1—Loading height, boom extended: 13′7″

B_2—Loading height, boom extended, with 4′ boom extension: 15′1″

B_3—Loading height, boom extended, with 8′ boom extension: 16′7″

C —Loading height, boom retracted: 9′2″

D —Bucket wrist action: 116°

E —Boom length, extended: 25′6″

F —Boom length, retracted: 13′6″

G_1—Attachment pivot point, full range, boom extended

G_2—Attachment pivot point, full range, boom retracted

H_1—Minimum reach for surface clean-up (bucket level at ground line, boom retracted): 10′2″

H_2—Minimum surface reach (digging): 7′1″

J_1—8′ of level bottom, 8′2″ deep

J_2—8′ of level bottom, 11′ deep with 4′ boom extension

J_3—8′ of level bottom, 13′9″ deep with 8′ boom extension

K —Maximum working height: 12′5″

L —Tail swing: 8′9″

M_1—Upperstructure ground clearance: 4′1″

M_2—Carrier ground clearance: $10\frac{13}{16}$″

N —Boom tilt: 45° each way, total 90°

O —Wheel base: 162″

P —Travel height: 10′5″

R —Overall width: 8′

Boom raise and lower	
Above ground level	22°
Below ground level	44°
Total arc	66°

Swing	Continuous
Digging range	270°
Dumping range	360°
Travel position (boom in rack)	
Overall length (with bucket)	24′8″
Overall width	8′
Overall height (with bucket)	10′5″

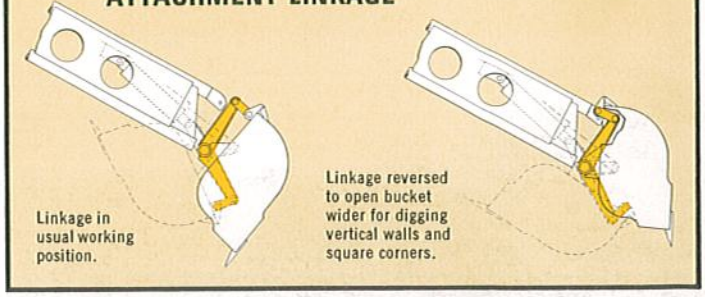
Clearance between cross-braces, at 3′ below ground level, for shored trench: 6′ minimum for working with boom full down.

LIFTING CAPACITIES

(Without Bucket)

At 13′6″ radius	6,750 lbs.
At 17′ radius	4,660 lbs.
At 21′ radius	3,350 lbs.
At 25′6″ radius	2,450 lbs.

ATTACHMENT LINKAGE



Gradall® G-600/CARRIER

UPPERSTRUCTURE ENGINE

International UC-263 gasoline, 82 H.P. at 2400 R.P.M.

Fuel tank capacity . . . . . 40 gal.

Electric starter, generator, air cleaner, oil filter.

UPPERSTRUCTURE CAB

All-weather cab with full vision safety glass windows; front window removable, stored in cab.

UPPERSTRUCTURE CONTROLS

3 levers, 2 pairs of pedals for all boom and upperstructure movements. Dead-man type are self-centering for safety (when controls are released, machine movements stop automatically). Pump clutch lever, horn. Engine controls: ignition switch, starter button, choke, throttle. Engine gauges for oil pressure, water temperature, ammeter, hour meter.

HYDRAULIC SYSTEM

Three-unit tandem pump, 105 G.P.M. at 1600 R.P.M., flange-mounted to engine with clutch and reduction gear.

Five cylinders:

2 hoist: 5″ I.D., 2½″ rod

1 boom: 6″ I.D., double-end 3″, 4″ rod

1 tilt: 4″ I.D., 2″ rod

1 tool: 4½″ I.D., 3″ rod

One 16 H.P. hydraulic motor: swing

Operating pressure . . . . . 1350 and 1500 P.S.I.

Oil capacity, system . . . . . 100 gal.

Pump relief valves on all circuits, hose relief valves on hoist, swing, tilt and tool circuits prevent overloading.

WEIGHT

Upperstructure . . . . . 22,900 lbs.

6 x 4 Carrier . . . . . 12,600 lbs.

Total (without bucket) . . . . 35,500 lbs.

CARRIER

6 x 4 (Warner & Swasey, Duplex Div.)

Wheel Base . . . . . 162″

Gross Vehicle Weight . . . . . 43,000 lbs.

(6 x 6 carrier, 42,000 lbs. G.V.W., also available)

CARRIER ENGINE

Chrysler HT-413 gasoline, 214 H.P. at 4,000 R.P.M., 374 ft. lbs. torque at 2,000 R.P.M.

Fin and tube type radiator.

Electric fuel pump, 46-gal. fuel tank.

Heavy-duty starter and distributor, 55 amp. alternator, 12-volt heavy-duty battery (90 amp.), voltage regulator.

TRANSMISSION

Fuller 5W430, 5 speeds forward, 1 reverse:

1—6.6 M.P.H.
2—13 M.P.H.
3—24 M.P.H.
4—44 M.P.H.
5—53 M.P.H.

Fuller 2A62 auxiliary transmission, direct and 2-1 underdrive. Borg and Beck single-plate dry type 14″ clutch, Spicer needle bearing universal joints.

AXLES

Front: Timken FD-900, 9,000 lbs., chain snubbers.
Rear: tandem Timken SLD, 34,000 lbs., 9.33-1 reduction.

TIRES

9:00 x 20 10-ply, single front and dual rear

SUSPENSION

Front: 12-leaf main spring, 38½″ x 3″; 4-leaf auxiliary spring, 31″.
Rear: Cast steel walking beam, 8″ oscillation.

BRAKES

Bendix-Westinghouse, six-wheel air with foot-pedal lock. Emergency brake (Timken DLM) on drive line.

STEERING

Ross, gear-type.

STANDARD EQUIPMENT

Sealed beam head lamps, tail lamps, directional signals, marker lights, instrument lamps, tool kit, wheel and axle wrenches, rear view mirror, air wiper, sun visor, carrier engine tachometer.

OPTIONAL EQUIPMENT

Diesel engine in upperstructure (AC 3400, Caterpillar D-320, Cummins JNR100CL, G.M. 3031C, or International UD-282), high boom cradle, heater and defroster for upperstructure cab, Diesel engine in carrier (G.M. 453N or Cummins JN-130), hydraulic power steering, heater and defroster for carrier cab.

Hydraulic remote control: carrier powered by upperstructure engine through hydraulic motor and transfer case. Hydraulic steering. Speed selection, propel, steering, and air brake levers in upperstructure cab. (Carrier engine off when hydraulic remote in use.)

QUICK-CHANGE ATTACHMENTS

Buckets fabricated of steel plate, with reversible linkage. T-steel cutting edges, abrasion-resistant wear strips, heat-treated operating shafts. Standard attachments available for wide range of applications: excavating, trenching, pavement removal, ripping, grading, material handling, etc.

Fluid capacities in U. S. gallons. • Specifications subject to change without notice.

THE PROVEN LINE IN HYDRAULIC DESIGN

4-67-20M-C
Printed in U.S.A.

THE WARNER & SWASEY COMPANY
CONSTRUCTION EQUIPMENT DIVISION
CLEVELAND, OHIO 44103

MEMBER PCSA POWER CRANE AND SHOVEL ASSOCIATION

Form No. 6711