

wheel); width overall, min. 63½", max. 87½"; rear wheel tread, min. 48", max. 76"; front wheel tread, min. 48", max. 80"; cultivating clearance 21" with standard tires; turning radius 8'.

Power Take-Off: (Standard) 1½" SAE 6B spline shaft (1½" ASAE standard available in form of conversion kits), 545 rpm @ 1500 engine rpm; spline end 17¼" above ground, on center line of tractor and 19½" ahead of hitch point.

Pulley: (Optional) 9x6½", 1316 rated rpm @ 1940 engine rpm, 1358 governed no-load rpm @ 2000 engine rpm; belt speed 3100 fpm @ 1940 engine rpm.

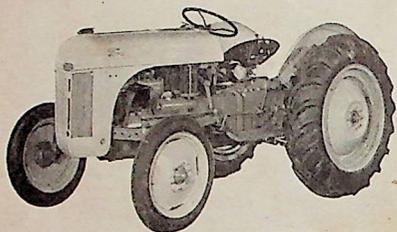
Lubrication: Crankcase capacity 7 qts. (including .9 qt. in oil filter element); transmission case capacity 6 gals. (hyd. system uses oil from common transmission and differential housing. Up to 1 gal. can be withdrawn for external cylinders).

Hydraulic Lift: (Standard) Own Model TO-600 pump; 2.5 gpm delivery @ 2000 psi max. operating pressure; uses oil from transmission. Single acting cylinder; 2.5" inside diameter; 4¾" piston stroke; max. piston force 10,000 lbs.

Ford Motor Co., Highland Park, Mich.

Ford Model 8N

Distributed by Dearborn Motors Corp., Birmingham, Mich.



Capacity: Two 14" plows.

Performance: (Neb. Tractor Test No. 443, Model 8N gasoline) 26.19 hp max. belt; 21.95 hp max. drawbar; max. pull 2810 lbs. at 2.77 mph. (Corrected to sea level basis) 27.32 hp max. belt; 23.16 hp max. drawbar. (Neb. Tractor Test No. 444, Model 8NAN, tractor fuel) 21.87 hp max. belt; 18.79 hp max. drawbar; max. pull 2355 lbs. at 2.72 mph. (Corrected to sea level basis) 22.95 hp max. belt; 19.77 hp max. drawbar.

Engine: Own Model 8N, L-head, 4 cylinders vertical, removable cylinder sleeves, 3½x3¾"—1500, 1750 and 2000 rated rpm, 2200 max. no-load rpm; displacement 119.7 cu. in., 23.27 rated belt hp at 2000 rpm. Service Data: Champion 14 mm spark plugs, part no. H-10; 3 rings per piston, 2 compression 3/32", 1 oil 3/16".

Accessories: Own generator standard equip.; own battery standard equip.; Marvel-Schebler carburetor, size 7/8"; Novi governor; own lamps; Houdaille Hershey-United air cleaner; Fram oil filter, cartridge no. 9N-13662; Long clutch; own radiator core, capacity 3 gals.; thermostat standard equip.; fuel tank capacity—main 9 gals., reserve 1 gal.; own front and rear wheels; Timken or Bower front wheel, rear axle and transmission bearings.

Tires: Standard—10x28 rear; 4.00x19 front. Brakes: Two brakes located on rear axle, foot operated either individually or simultaneously.

Speeds: (At 1750 engine rpm) 3.23, 4.16, 5.72 and 11.93 mph; reverse 5.31 mph. Shipping Weight: 2410 lbs.

Dimensions: Wheelbase 70" at 48" tread; height overall 54.5"; width overall 64¾"; rear wheel tread, min. 48", max. 76"; cultivating clearance 21"; turning radius 8'.

Power Take-Off: (Optional) 1½" 6-spline shaft, 545 rpm at 1500 engine rpm; spline

end 17.38" above ground, on center line of tractor and 14.2" ahead of hitch point.

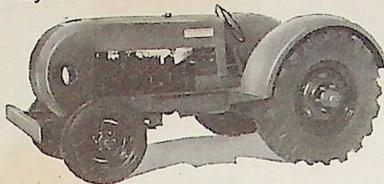
Pulley: (Optional) 9x6½", 1356 rated rpm at 2000 engine rpm, 2200 governed no-load rpm; belt speed 3199 fpm.

Lubrication: Crankcase capacity 6 qts.; transmission case capacity 5 gals.; 5/8 pt. added for belt pulley.

Hydraulic Lift: (Standard) Own Model 8N pump; 2.85 gpm delivery at 1500 psi operating pressure. Single acting internal cylinder; 2.5" inside diameter; 4.775" piston stroke; max. piston force 7363 lbs.

Friday Tractor Co., Hartford, Mich.

Friday Model 048



Capacity: Three 14" plows.

Performance: Not yet tested at Nebraska. Engine: Chrysler Model IND 5, L-head, 6 cylinders vertical, 3¼x4¾"—1800 rated rpm, 3000 max. no-load rpm, displacement 217.7 cu. in., rated bhp 58.

Service Data: Auto-Lite 14 mm spark plugs; 4 rings per piston, 2 compression 3/32", 2 oil 5/32".

Accessories: Auto-Lite Model GDZ-4823AM generator standard equip.; Auto-Lite Model M-17 battery standard equip.; Ball & Ball Model DTC-1 carburetor, size 1 9/16" throttle bore; Pierce Model GC-904 governor; Guide lamps; United air cleaner; Purolator Model P-701 oil filter, cartridge No. P-70; Borg & Beck one-piece clutch. Part No. 871; Chrysler radiator core, capacity 5 gals.; Bishop & Babcock thermostat standard equip.; fuel tank capacity 18½ gals.; Motor Wheel front wheels; Budd rear wheels; Timken front wheel bearings; Hyatt and New Departure rear axle bearings; Timken transmission bearings.

Tires: 13x24 rear; 6.00x16 front; oversize rear 14x24.

Brakes: Service brake located on drive shaft, foot operated; emergency brake located on drive shaft, hand operated; steering brakes individually located on each rear axle hub, hand operated.

Speeds: 1.9, 2.8, 3.4, 5.1, 6.4, 9.2, 10.3, 15.2, 22.6 and 32.4 mph. Reverse 1.9 and 2.8 mph.

Shipping Weight: 3580 lbs.

Dimensions: Wheelbase 79"; height overall 55"; width overall 75"; rear wheel tread 57"; turning radius, outside, 12'.

Power Take-Off: (Optional) 1½" spline shaft, type SAE-B, 540 rpm at 1200 engine rpm. Spline end 27½" above ground, 6" right of center line of tractor and 5½" ahead of hitch point.

Pulley: (Optional) 8¾x6½", 1080 rpm at 1200 engine rpm. Belt speed 2970 fpm.

Lubrication: Crankcase capacity 5 qts.; transmission case capacity 1½ gals.; capacity each final drive housing 6 qts.

Hydraulic Lift: (Optional) Aro Model 9025 pump; pump delivery 5 gpm; operating pressure 1500 psi; reservoir oil capacity 8 qts. Single acting cylinder; 2½" inside diameter; 26" piston stroke; max. piston force 7350 lbs.; push type variable stroke control; 30" cylinder length between pin centers.

Gibson Mfg. Corp., Longmont, Colo.

Gibson Model SD

Capacity: One 12" plow.

Performance: Not yet tested at Nebraska. Engine: Wisconsin Model AEH, L-head, single cylinder vertical, air-cooled, 3x3¼"—2000 rated rpm, 2600 maximum no-load rpm, displacement 23 cu. in., 4.9 rated hp.

Service Data: Champion 18 mm spark plug; 4 rings per piston, 3 compression 1/8", 1 oil 3/16".

Accessories: Wico Model XH150 magneto; Zenith Model 161-7 carburetor, size ¾"; Wisconsin governor; United Model H-55-7/85 air cleaner; own clutch (power is supplied to transmission through a combination of 4 heavy duty V-belts and a chain drive. Countershaft connects clutch and chain); fuel tank capacity 2¾ gals.; Motor Wheel front wheels; own rear wheels; Timken front wheel bearings; New Departure rear axle bearings; Hyatt and New Departure transmission bearings.

Tires: Standard—7x24 rear; 4.00x12 front. Oversizes—8x24 and 9x24 rear.

Brakes: Two brakes located on rear axle, foot operated individually.



Speeds: 2.0, 4.0 and 7.0 mph; reverse 2.5 mph.

Shipping Weight: 1020 lbs.

Dimensions: Wheelbase 46"; height overall 46"; width overall, minimum 51½", maximum 64½"; rear wheel tread, minimum 33", maximum 53¾"; cultivating clearance 12¼"; turning radius 6'.

Lubrication: Crankcase capacity 1½ qts.; transmission case capacity ¼ gal.

Gibson Mfg. Corp., Longmont, Colo.

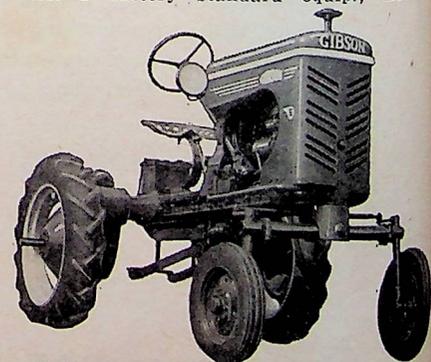
Gibson Model EF (Also available as tri-cycle type)

Capacity: One 14" plow.

Performance: Not yet tested at Nebraska. Engine: Wisconsin Model TF, L-head, 2 cylinders vertical, 3¼x3¼"—2000 rated rpm, 2600 maximum no-load rpm, 2150 governed no-load rpm, displacement 53.9 cu. in., 12.6 rated hp @ 2000 rpm.

Service Data: Champion 18 mm spark plugs; 4 rings per piston, 3 compression 3/32", 1 oil 3/16".

Accessories: Auto-Lite Model 4302 generator standard equip.; Bower Model SAE no. 1 battery standard equip.; Zenith



Model 167-7 carburetor, size ¾"; Wisconsin governor; Guide lamps; United Model HX-55-6530A air cleaner; own clutch (V-belt drive to countershaft, roller chain to transmission); fuel tank capacity 9 gals.; Motor Wheel front wheels; own rear wheels with Goodyear rims; Timken front wheel and rear axle bearings; New Departure transmission bearings.