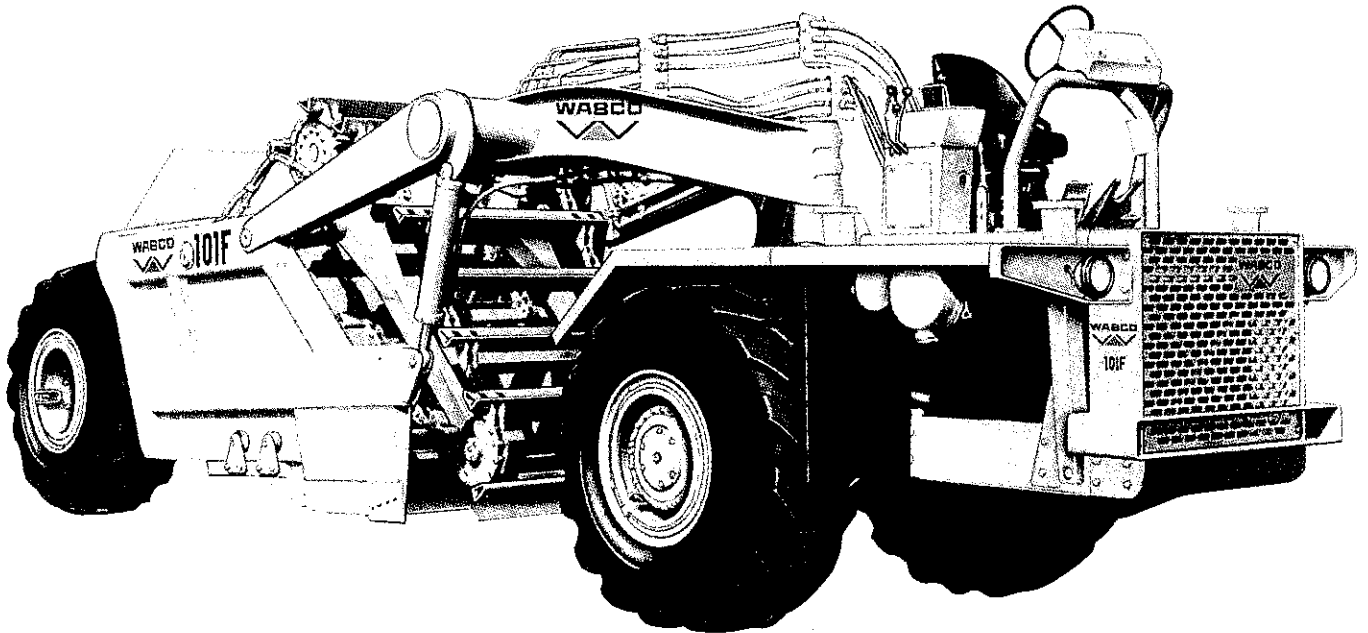


WABCO

MODEL

101F

**TRACTOR - ELEVATING
SCRAPER**



- 9 cu. yards (6,88 m³).
- 178 rated brake hp . . . offers highest horsepower/weight ratio in its class.
- Operating ease from "command post" cockpit.
- Unique scraper features for faster loading, more yards per shift.
- WABCO torque proportioning differential for superior traction.
- Legally roadable, drive job-to-job.
- Quick accessibility of tractor and scraper components simplifies servicing.



101F TRACTOR - ELEVATING SCRAPER SPECIFICATIONS

Specifications are subject to change without notice or obligation.

TRACTOR

| | |
|-------------------------------|--|
| ENGINE (Diesel) | Cummins V-504 |
| Number of Cylinders | 8 |
| Operating Cycle | 4 Stroke |
| *Rated Brake Horsepower | 178 HP @ 2500 RPM |
| **Flywheel HP | 162 HP @ 2500 RPM |
| Baseline Rating | S.A.E. 500 ft. 29.00 in. Hg. @ 85° F. (29,4° C) |
| Maximum Torque | 388 ft. lb. @ 1850 RPM |
| Bore | 4.62 (177 mm) |
| Stroke | 3.75 (95 mm) |
| Displacement | 504 cu. in. (8,22 liters) |

*[Rated Brake HP is the output of the engine as installed in this machine, at governed RPM and with engine manufacturer's approved fuel setting. Accessory losses included are water-pump, fuel pump and lube oil pump. Output guaranteed within $\pm 5\%$.]

**[Flywheel Horsepower is the rated horsepower at the engine flywheel minus the average accessory losses. Accessories include Fan, Air Compressor and Alternator.]

TRANSMISSION

Power Shift Type..... Clark
four manually selected gear ranges with manually selected torque converter lock-up in 2nd thru 4th range for a total of 7 selections to 28 mph (45,04 khp) and 1. speed reverse to 3.2 mph (5,14 khp)

SPEED in MPH and (Kilometers per Hour)

| | | |
|-----------------------------|-------|---------|
| Forward, Loading, 1st | 0-4.0 | (6,43) |
| Travel, 1st..... | 4.1 | (6,59) |
| 2nd..... | 8.6 | (13,83) |
| 3rd..... | 15.0 | (24,13) |
| 4th..... | 28.0 | (45,04) |
| Reverse, | 3.2 | (5,14) |

DIFFERENTIALTorque proportioning
automatic friction type

FINAL DRIVE double reduction planetary type

SERVICE CAPACITIES

| | Gallons (U.S. Standard) | Liters |
|-----------------------------|----------------------------|--------|
| Cooling System | 8.5 | (32) |
| Crankcase | 6.0 | (23) |
| Fuel Tank | 85.0 | (322) |
| Differential | 16.5 | (62) |
| Planetary (each side) | 1.5 | (6) |
| Transmission | 8.0 | (30) |
| Hydraulic Tank | 25.5 | (97) |

SCRAPER

CAPACITY

| | |
|-------------------|--------------------------|
| Cubic Yards | 9 (6,88 m ³) |
| Tons | 11 (8,41 m. tons) |

CUTTING BLADE

| | |
|--|--------------|
| Method of Control.. Two 4½" x 20" (11,43 cm x 50,80 cm) Hydraulic Cylinders | |
| Width of Cut (outside of router blade) | 90" (2,28 m) |
| Cutting Edge length..... | 88" (2,24 m) |
| One drop center blade..... ¾" x 13" x 43¾" (1,91 cm x 33,02 cm x 111,13 cm) | |
| Two end blades, each..... ¾" x 13" x 22" (1,91 cm x 33,02 cm x 55,88 cm) | |
| Ripper Teeth (optional)..... | 4 |

EJECTION

| | |
|-----------------|--|
| Operation | Positive |
| Control | one, 6" x 17¼" (15,24 cm x 43,81 cm) Hydraulic Cylinder |
| Method | Combination sliding bowl pan and ejector endgate |

ELEVATOR

| | |
|---|---|
| Width..... | 4' 8" (1,42m) |
| Length (center of sprocket to center of tail roller.....) | 7' 5¼" (2,27m) |
| Number of flights | 15 |
| Speed, Forward | @ 2100 Engine RPM, 233 FPM (71,02 m/min) |
| Reverse..... | @ 2100 Engine RPM, 233 FPM (71,02 m/min) |
| Power Source..... | Hydraulic motor and special designed WABCO 37:1 gear box with exclusive shock reducing mounting |

GENERAL

OVERALL DIMENSIONS

| | | |
|---------------------------------------|----------|------------|
| Length | 29' 11½" | (9,14m) |
| Length, Scraper only | 22' 1½" | (6,74m) |
| Width with 18.00-25 tires | 8' 0" | (2,44 m) |
| Width with 23.5-25 tires (optional) . | 8' 0" | (2,44 m) |
| Height, to the top of Scraper | 8' 8" | (2,64 m) |
| Wheelbase | 18' 5" | (5,61m) |
| Ground clearance, Tractor | 18¼" | (46,35 cm) |
| Ground clearance, Scraper bowl | 17" | (43,18 cm) |

TIRES

For maximum tire service WABCO recommends that the user review intended applications of his equipment before selecting tires, in order to avoid exceeding the tire manufacturer's recommended limits.

Standard for Tractor and Scraper
125 TMPH rating* 18.00-25, 12 ply rating, Traction (E-2)
(182 tkm/h)

Optional for Tractor and Scraper
110 TMPH rating* 23.5-25, 12 ply rating, Traction (E-2)
(160 tkm/h)
110 TMPH rating* 23.5-25, 16 ply rating, Traction (E-2)
(160 tkm/h)

Other types of tires are also available in these sizes with significantly higher TMPH ratings. --- Contact the factory or tire manufacturer for additional data.

*Approximate TMPH (tkm/h) rating @ 100° ambient temp. --- Contact the tire manufacturer for additional or more precise data.

STEERING Positive hydraulic-variable speed
Maximum turning angle..... 90° left and right
Width required for 180° turn 25' 8" (7,82 m)

BRAKES, Shoe Type Air over hydraulic actuated
Size..... 17" x 4" (43,18 cm x 10,2 cm)

WEIGHT

Shipping weight, approximate 29,585 lbs. (13,419 kg)

Distribution

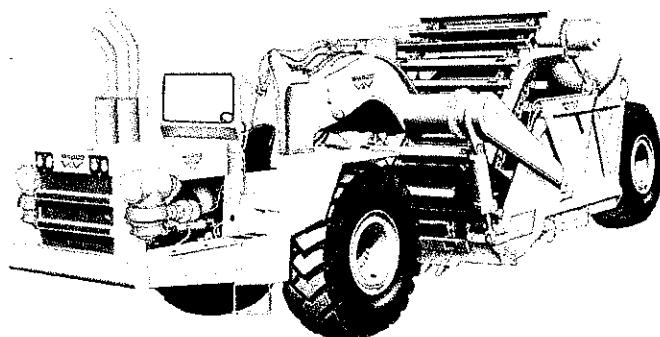
| | Empty | Loaded |
|--------------------|-------|--------|
| Tractor Axle | 62% | 49.5% |
| Scraper Axle | 38% | 50.5% |

STANDARD EQUIPMENT

Dual mufflers, dry type air cleaner with restriction indicator, headlights, air horn, hour meter, reversing elevator, automatic tailgate return control, deluxe air ride suspension seat, front fenders, torque proportioning differential, hydraulic power steering, oil pan guard, drop center cutting edge, emergency braking system, parking brake, seat belt, taillight, brake light, and reflector.

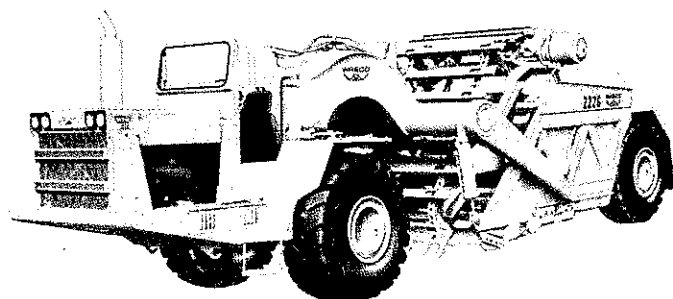
Other WABCO Elevating Scrapers

You get capacity loads without a pusher.

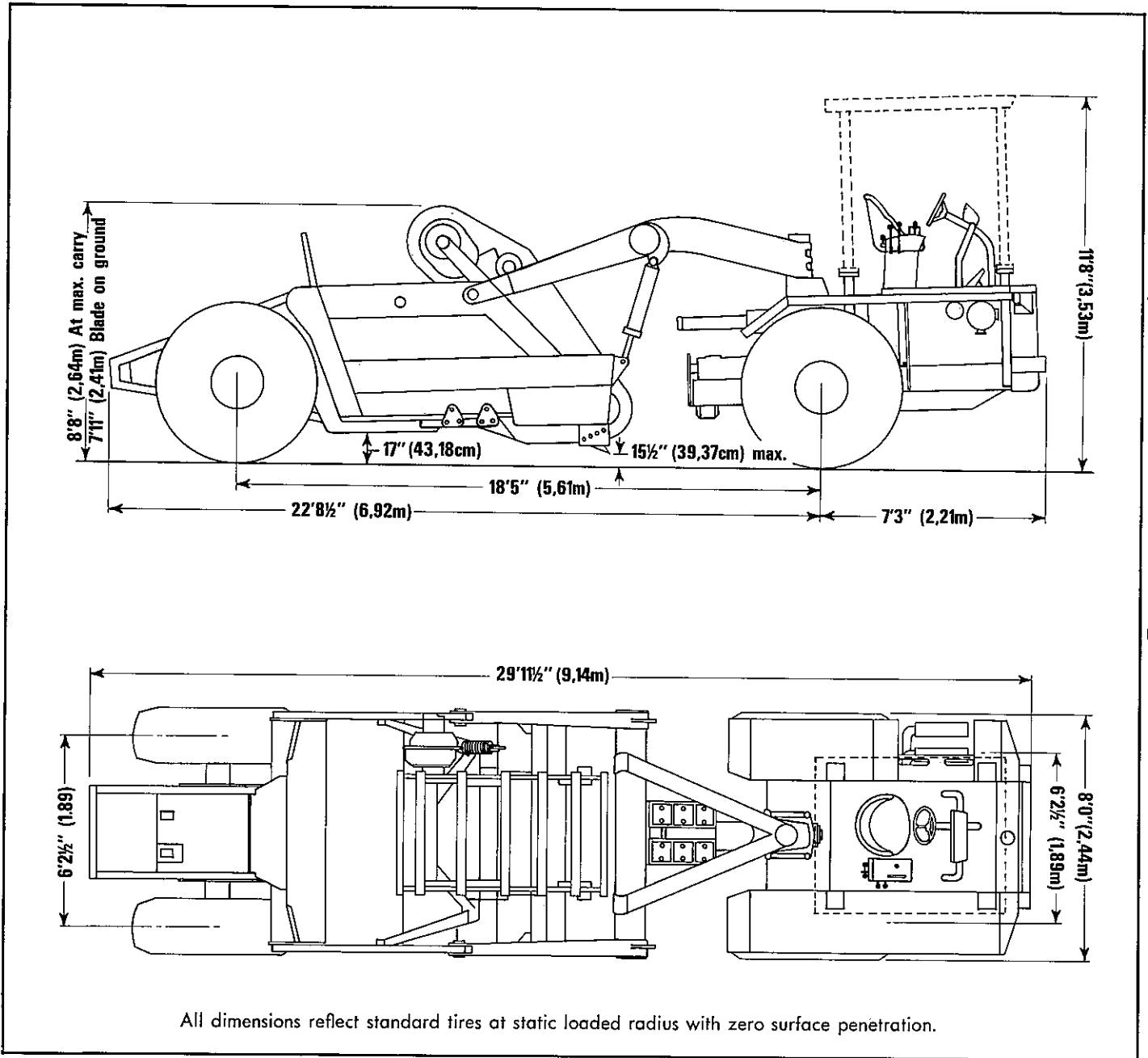


222G TRACTOR-ELEVATING SCRAPER
22 cubic yards (16,8 m³) capacity.

333F TRACTOR - ELEVATING SCRAPER
32 cubic yards (24,47 m³) capacity.



101F TRACTOR - ELEVATING SCRAPER



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