

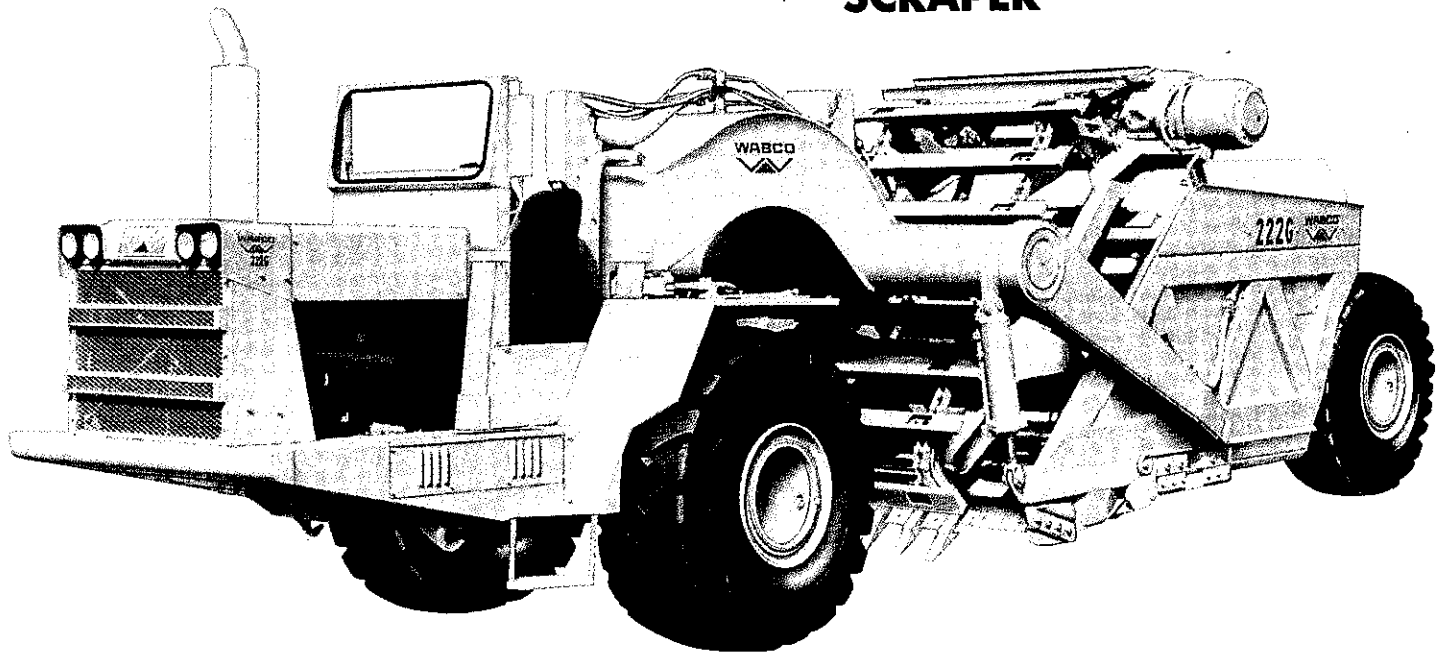
WABCO



MODEL

222G

**TRACTOR-ELEVATING
SCRAPER**



- 22 Cu. Yds. (16,82 m³).
- 333 horsepower.
- Total rugged design with good accessibility of components for low maintenance costs.
- More usable power and traction with world proven WABCO power-transfer differential.
- Tires sized for the load and operating conditions to increase life, reduce costs.
- Advanced design hydraulic steer system gives operator full confidence and control.
- Variable Input Power torque converter transmission allows engine-transmission match to give best over-all machine efficiency.



222G TRACTOR-ELEVATING SCRAPER SPECIFICATIONS

Specifications are subject to change without notice or obligation.

TRACTOR

ENGINE (Diesel) **DETROIT DIESEL 8V-71T**

Number of Cylinders 8

Operating Cycle 2 Stroke

*Rated Brake Horsepower 333 HP @ 2100 RPM

**Flywheel Horsepower 309 HP @ 2100 RPM

Baseline Rating Sea Level to 5,000 ft. (1524 m),
air temp. @ 85° F. (29,4° C.)

Maximum Torque 920 ft. lb. @ 1400 RPM

Bore 4 1/4 in. (108 mm)

Stroke 5 in. (127 mm)

Displacement 567.4 cu. in. (9,3 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 ± 5%.)

** (Flywheel Horsepower is the rated horsepower at the engine flywheel minus the average accessory losses including Fan and Air Compressor.)

TRANSMISSION

Power Shift Type Allison VCLBT-4465
with Allison VTC-495 Torque Converter

SPEED in MPH and (Kilometers per hour)

Forward, Loading, 1st	0-4.4	(7,1)
Travel, 1st	5.0	(8,0)
2nd	7.8	(12,6)
3rd	11.3	(18,2)
4th	16.0	(25,7)
5th	22.6	(36,4)
6th	31.9	(51,3)
Reverse, 1st	3.9	(6,3)

DIFFERENTIAL Torque proportioning,
automatic friction type

STEERING

Type Hydraulic - variable speed
90° each way

Hydraulic Cylinders Two, double acting 5" x 23"
(12,70 cm x 58,42 cm)

Pump Piston, variable displacement type
0-34 GPM (128,7 liter/min) @ Governed RPM,
relief valve setting 3200 PSI (225 kg/cm²)

Width for 180° turn (curb to curb) 32'6" (9,91 m)

	Gallons (U.S. Standard)	Liters
SERVICE CAPACITIES		
Cooling System	20.0	(75,7)
Crankcase (with filter)	8.5	(32,2)
Fuel Tank	155.0	(586,7)
Final Drive (Main Case)	28.0	(106,0)
Transmission (with filter)	7.5	(28,4)
Hydraulic Reservoir	30.5	(115,5)

SCRAPER

CAPACITY

Cubic Yards (S.A.E. J957) 22 (16,82 m³)

Tons 25 (22,7 m tons)

OPERATING DATA

Width of cut (outside of side bit) 120" (3,05 m)

Bowl Width, Inside 118" (3,00 m)

Depth of Cut, max. with wheels on common plane

Center Cutting Edge 8 7/8" (22,54 cm)

Ripper Teeth 14 1/2" (36,83 cm)

Depth of Spread, max. under
strike off blade 12 7/8" (32,70 cm)

Cutting Edges

One Drop Center Edge 1" x 13" x 63"
(2,54 cm x 33,02 cm x 160,02 cm)

Two End Section Edges 1" x 13" x 27"
(2,54 cm x 33,02 cm x 68,58 cm)

Ripper Teeth 5

Type of Ejection Positive

Method of Ejection Combination moveable floor & ejector

ELEVATOR

Width of flights 6' 10" (2,08 m)

Length of assy. over flight tips - center of sprocket
to center of tail roller 10' 5" (3,18 m)

Spacing of flights 16 1/4" (41,28 cm)

Number of flights 19

Speeds, Forward & Reverse 242 FPM (73,36 m/min)
@3600 RPM Motor

Drive one #2 1/2 Electric Motor
Driving Heavy Duty 67:1 reduction gear box

GENERAL

HYDRAULIC CIRCUITS

Control Two lever remote mounted valve

Pump Vane type 52.5 GPM (198 liter/min)
Relief valve setting 2000 PSI (138 kg/cm²)

Cylinders, Bowl lift two, double acting 6" x 20"
(15,24 cm x 50,80 cm)

Tailgate two, double acting 6" x 20"
(15,24 cm x 50,80 cm)

Floor two, double acting 6" x 20"
(15,24 cm x 50,80 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
110 TMPH rating* 29.5-25,28 ply rating rock (E-3)
(161 tkm/h)

TIRES (continued)

Optional for Tractor and Scraper

TMPH -

Contact tire manufacturer 29.5-25, 28 ply rating sand (E-7)
135 TMPH rating *29.5-29, 28 ply rating rock (E-3)
(197 tkm/h)

Other types of tires are also available in these sizes with significantly higher TMPH (tkm/h) 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.

BRAKES, Shoe Type air over hydraulic actuated,
wedge operated
Size20¼" x 7" wide shoe (51,44 cm x 17,78 cm)

OVERALL DIMENSIONS*

Length 39' 6 5/8" (12,06 m)
Length, scraper only 28' 5 ½" (8,67 m)
Width 11' 8" (3,56 m)
Height, blade up 11' 5" (3,48 m)
Wheelbase 23' 2" (7,06 m)
Ground clearance, Tractor 24" (60,96 cm)
Ground clearance, Scraper bowl20 ½" (52,07 cm)

WEIGHT

Shipping weight approximate65,405 lbs. (29.668 kg)

Distribution	Empty	Loaded
Drive Axle	64.7%	50.4%
Rear Axle	35.3%	49.6%

STANDARD EQUIPMENT

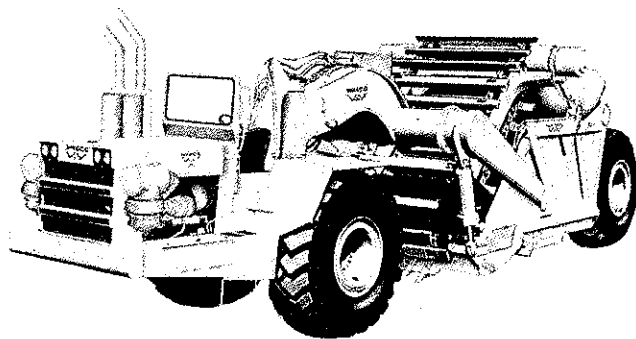
Air cleaner (dry type), air suspension seat, adjustable scraper axle, automatic adjusting brakes, engine and transmission belly plates, automatic ejector return, elevator reverse, fan guard, tractor fenders, reuseable fittings, hydraulic tank sight gauge, headlights, ripper teeth*, throttle lock, muffler, reversible radiator fan, hour meter, hydraulic chain adjusters, torqmatic brake, rear view mirror, scraper cutting edge light, seat belt, shift indicator, taillight and reflector, tow hooks, twin air horns, windshield, emergency and parking brakes, ROPS canopy, and backup alarm.

(*Deletable standard equipment.)

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Other WABCO Elevating Scrapers

You get capacity loads without a pusher.

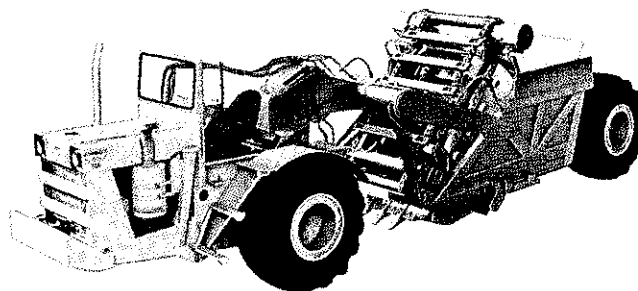


333F TRACTOR-ELEVATING SCRAPER

32 cubic yards (24,46 m³) capacity.

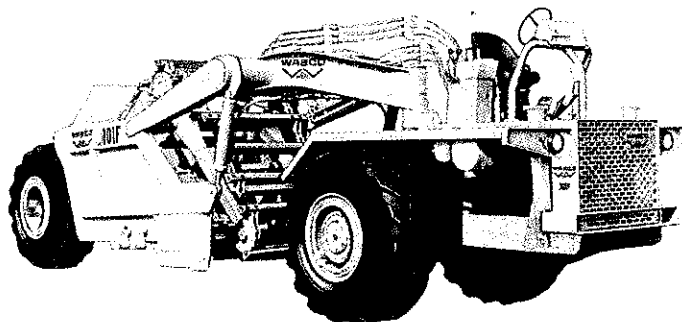
111A TRACTOR-ELEVATING SCRAPER

11 cubic yards (8,41 m³) capacity.

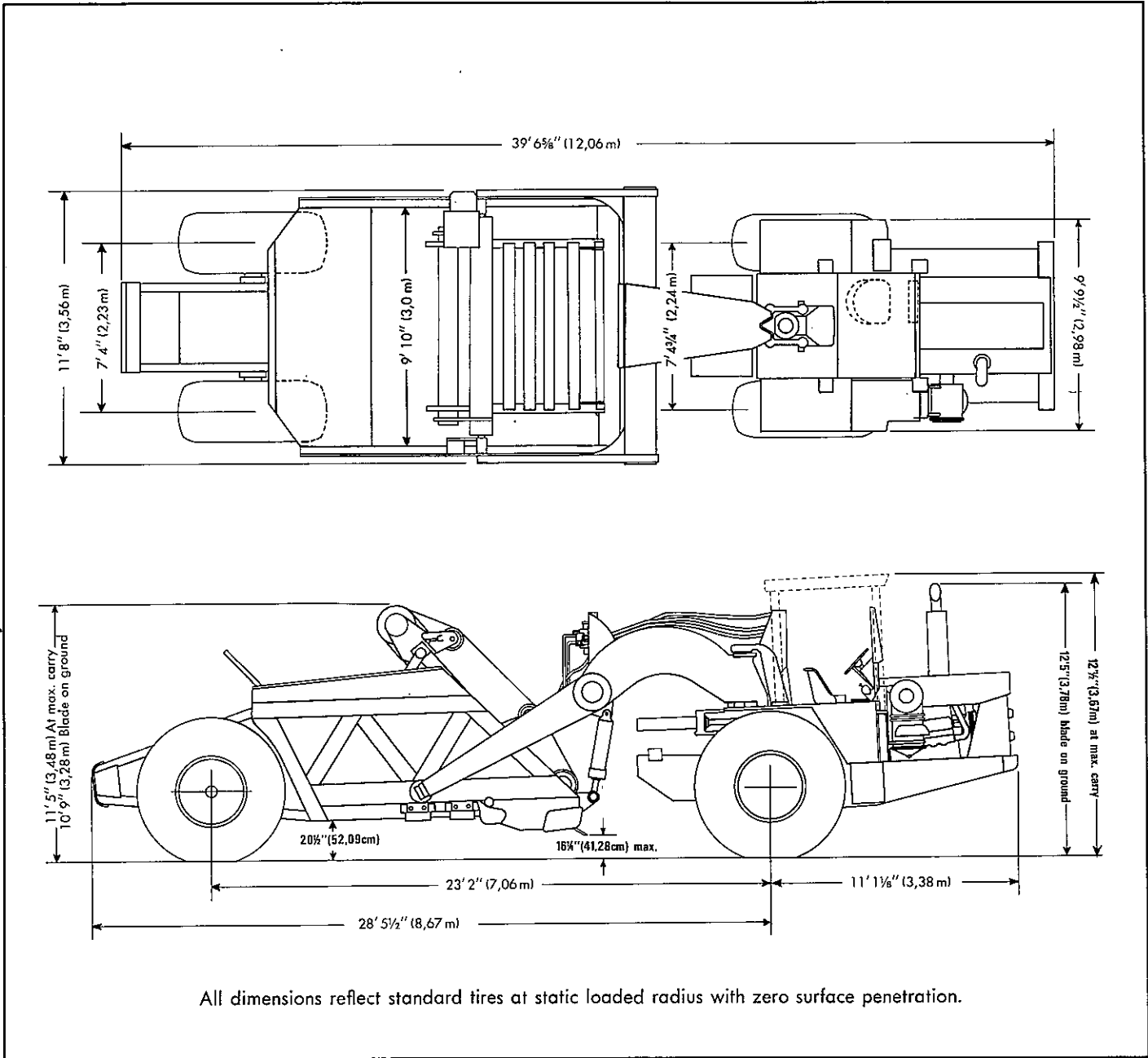


101F TRACTOR-ELEVATING SCRAPER

9 cubic yards (6,88 m³) capacity.



222G TRACTOR-ELEVATING SCRAPER



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