



COMPETITIVE DATA

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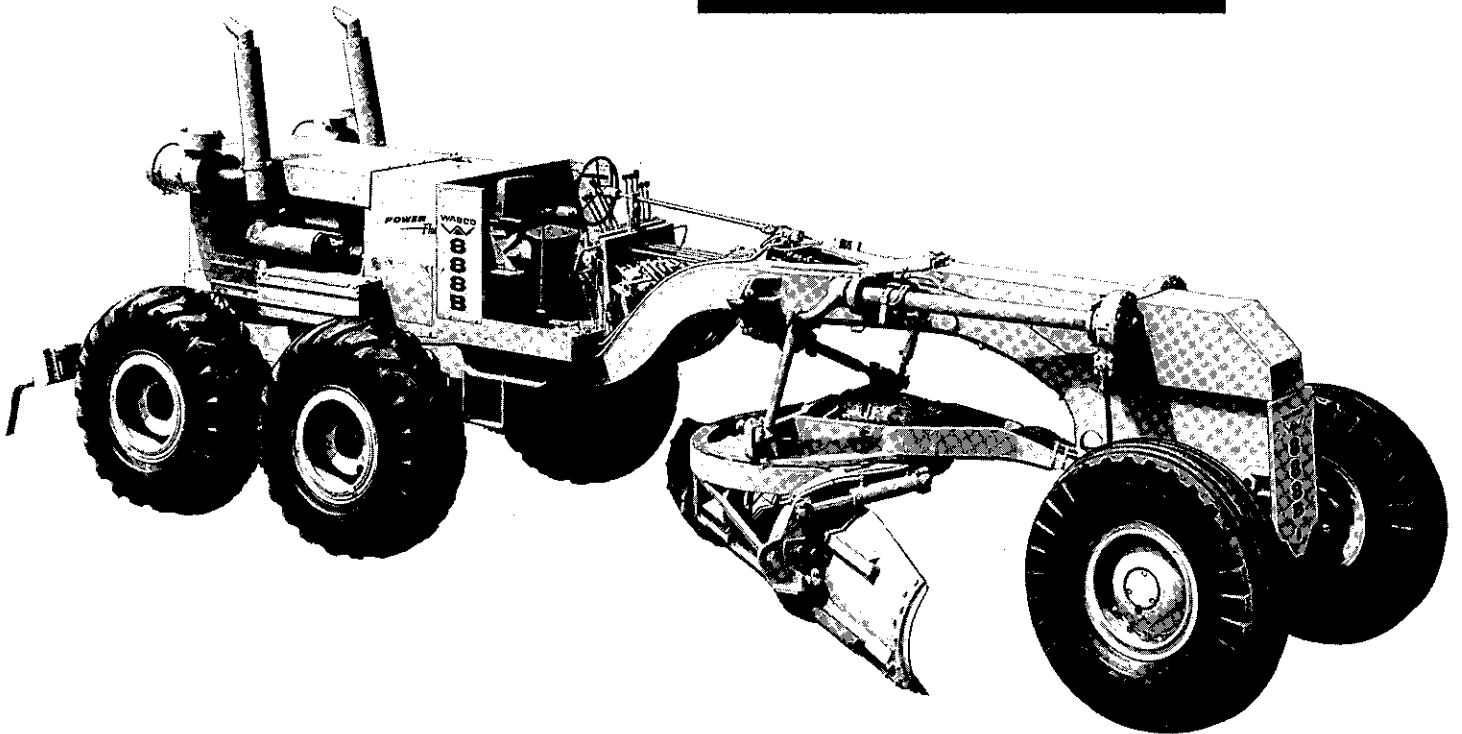
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THE GALION IRON WORKS & MFG. COMPANY division of Jeffrey Galion Inc. Gallon, Ohio 44833, U.S.A.



MODEL **888B** MOTOR GRADER



- High Performance from 230 net horsepower, 41,000 Lb.
- Control ease and blade accuracy with hydraulically actuated mechanical controls.
- Match job conditions with powerflow transmission torque converter.
- Excellent visibility with strong level thrust frame.

WABCO CONSTRUCTION EQUIPMENT DIVISION

888B MOTOR GRADER SPECIFICATIONS

Specifications are subject to change without notice or obligation.

WEIGHTS, (approx.) w/standard equip., no accessories

Total	41,000 lbs. (18,597 kg)
Front	12,300 lbs. (5,579 kg)
Rear	28,700 lbs. (13,018 kg)

ENGINE, Diesel, rubber mounted	GM 8V-71N
Horsepower, maximum	256
net	230
RPM (variable by Gov. Control)	2,000
Number of cylinders	8
Bore	4 1/4" (108 mm)
Stroke	5" (127 mm)
Displacement, cubic inches	568" (9,3 liters)

TRANSMISSION AND TORQUE CONVERTER

Transmission type	Power shift clutch and constant mesh
Transmission shift	Shifts from forward to reverse without clutching
Torque converter	16" (40,64 cm), single stage
Torque multiplication ratio	2.78 to 1
Tail-shaft governor	Adjusts the engine automatically to maintain pre-selected grader speeds

SPEEDS IN MPH and (kilometers per Hour)

First	5.0 (8,05)	Reverse, First	4.5 (7,24)
Second	8.3 (13,36)	Second	7.4 (11,91)
Third	18.3 (29,45)	Third	16.4 (26,39)
Fourth	29.2 (46,99)	Fourth	24.0 (38,63)

OVERALL MEASUREMENTS

Length	29'0" (8,84 m)
Width	9'1" (2,77 m)
Height, with cab	10'9" (3,27 m)
Height, without cab	8'0" (2,44 m)
Wheelbase	20'11" (6,37 m)
Bladebase	9'7 3/4" (2,94 m)
Tread, front	86 5/8" (2,20 m)
Tread, rear	88" (2,23 m)
Distance between centers of tandem wheels	66" (1,68 m)
Turning radius	45' (13,7 m)

OPERATOR'S PLATFORM

Size	53 3/4" x 25 5/8" (135,25 x 65,02 cm)
Height, above ground	52 3/4" (133,98 cm)

SERVICE CAPACITIES

	GALLONS	LITERS
(U.S.Standard)		
Fuel tank	91	(344,4)
Cooling system	23	(87,0)
Crankcase (without filter)	7	(26,5)
Torque converter upper trans.	10	(37,8)
Lower transmission and final drive	12	(45,4)
Hydraulic reservoir (without filter)	13	(49,2)

FRAME, all-welded continuous box-type const.

Basic structural members, channels, avg. weight of complete frame structure per foot	285 lbs. (394 kg/m)
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CONTROLS Power operated-hydraulic/over mechanical

CIRCLE

Diameter	63" (160,02 cm)
Section	6 1/2" x 6 1/2" x 1 1/2" x 2" (16,51 x 16,51 x 3,81 x 5,03 cm)
Circle reverse (power operated)	360°

BLADE ASSEMBLY

Length and width (measured around curve)	14' (4,26 m) and 32" (81,28 cm) respectively
Material, mldb., H.C. steel	1" (2,54 cm)

BLADE WORKING RANGE

Lift for ground clearance	18" (45,72 cm)
Bank cutting angle, maximum degrees	90°
Side shift with control, moldboard centered	39" (99,06 cm) R and L
Shoulder reach	.92" (233,68 cm) R and L

LIFTING MECHANISM

Type, power-operated	Worm and gear
Lifting speed, inches per second	.30 (7,62 cm)
Lift shafts dia.	4 1/2" (10,79 cm)
Lift shaft bearings	Bronze bushings
Lift arms	Forgings
Lift arm connection to shaft	Splined
Lift links (telescoping) O.D. and I.D.	3" - 2 1/4" (7,62 - 5,72 cm)
Lift link connections enclosed	Ball and socket
Lift link adj. for wear	Shims

AXLE, FRONT

Spindles, diameter at bearings	3" - 2 1/4" (7,62 - 5,71 cm)
Spindles, material	Forged, heat treated alloy steel
Ground clearance, center	25 3/4" (65,40 cm)

AXLE, REAR, Full-floating

Construction	Two-piece, rigid
Axle material	Alloy steel, heat-treated
Axle diameter, at bearings	4" (10,16 cm) (Axle drives only; carries no weight)
Axle bearings	Heavy duty roller
Foot brake on all 4 tandem wheels	Boosted
Hand brake on transmission	Mechanical

TANDEM DRIVE

Housing	22 1/2" x 8 1/2" (57,15 x 21,59 cm)
Wall thickness	3/4" (1,91 cm)
Wheel axles, diameter at bearings	3 1/2" (8,89 cm)
Drive chains, roller, pitch	2 1/2" (6,35 cm)

TIRES, Tubeless

Front	16.00-24, 12 pr., rib (G-1)
Rear	20.5-25, 16 pr., traction (L-2)

ATTACHMENTS

Self-cleaning V-type scarifier	rear-mounted articulated ripper
hydraulically-operated bulldozer blade	bolster-mounted push plate
V-type hydraulic-control snow plow.	



An American-Standard Company
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