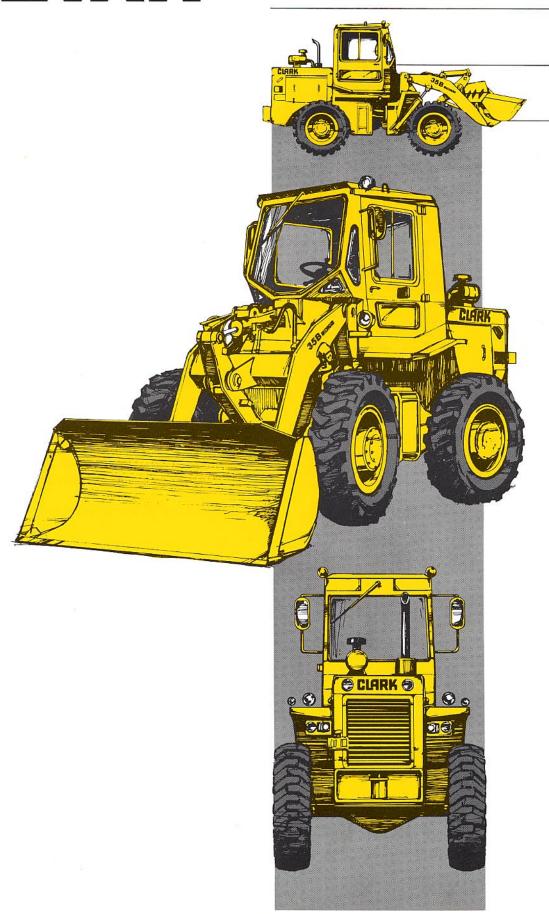
GLARK

35B MICHIGAN



ENGINE

MakeISUZU
Model
Maximum hp (kW)*84(63)
Flywheel hp (kW)**
Governed rpm
Maximum torque, N•m
ft•lbf195.3 @ 1600
kgf•27,0 @ 1600
Bore and stroke, mm
in
Number of cylinders 6
Displacement, L
in³303.76
Electrical System (alternator)24V, 25A

^{*}Maximum horsepower of basic engine under SAE J816 - barometrin pressure of 74,62 cm (29.38 in) Hg, 29,4° C (85° F) and maximum engine speed with fuel pump, water pump and lubricating oil pump.

Net usable horsepower at engine flywheel under SAE J816 - barometric pressure of 74,62 cm (29.38 in) Hg, 29.4° C (85° F) and governed engine speed with fan, alternator and air



POWERTRAIN

TORQUE CONVERTER: High-efficiency industrial type; single-stage with 3.20:1 torque multiplication ratio.

TRANSMISSION: Countershaft type powershift with directional cluth modulation; three speeds forward, three speeds reverse, Travel speeds.*

Forward	1st	2nd	3rd
km/h	7,0	13,0	34,0
mph	4.35	8.08	21.13
Reverse	1st	2nd	3rd
km/h	7,5	14,0	34,5
mph	4.66	8.70	21.44

^{&#}x27;Measured with 12 00-24, 8PR (L-2) tires.

DIFFERENTIAL: Clark torque proportioning front and rear. AXLES: Heavy-duty planetary design with fabricated steel housing. Front axle fixed, rear axle oscillates a total of 24° Vertical wheel travel of 282 mm (11.1 in) with all wheels remaining on ground.

PLANETARY DRIVES: Low-friction, roller bearing planetary in each wheel.



BRAKES (SAE J237)

SERVICE: Four wheel straight hydraulic split system self adjusted fully enclosed outboard mounted single wet disc, oil cooled. Application neutralizes transmission in forward only.

PARKING: Mechanical 312 mm (12.28 in) diameter disc brake on transmission output shaft.



HYDRAULIC SYSTEM

Closed and pressurized with a capacity of 95 L (25.1 U.S. gal); oil supplied from sturdy plate steel reservoir. Hand hole in tank for easy cleaning.

BOOM CONTROLS: Valve has four positions: raise, hold, lower, float.

BUCKET CONTROLS: Valve has three positions: rollback hold, dump. Automatic bucket positioner adjustable to any desired loading angle.

PUMP: Gear-type design, torque converter mounted. Total pump output is 122 L/min (32.23 gpm).

VALVE: Two spool with built-in pressure relief valve. Mounted on front frame for easy access.

RELIEF PRESSURE: 15680 kPa (2275 psi) (160 kgf/cm²) (157 bar).

CYLINDERS: Two (2) boom and one (1) bucket; all doubleacting.

Boom, bore & stroke $-100 \times 745 \text{ mm} (3.94 \times 29.33 \text{ in})$. Bucket, bore & stroke - 110 x 400 mm (4.33 x 15.75 in).

FILTERS: Full-flow 15 micron return filter, in reservoir.



TIRES

Ny	lon bo	dy, tube type	12.00-24, 8PR (L-2)
Ot	her tir	es available:	13.00-24, 8PR (L-2)
			15.5-25, 8PR (L-2)
			16.9-24, 10PR (L-2)

Other optional tires also available.



HYDRAULIC SPEEDS

	Raising time (with load) 6.	0 s
	Dumping time (with load) 1.	1 s
Lowering	g time (empty)	4 s
Total cycle	e	5 s



STEERING SYSTEM

Articulated frame; full hydraulic power steering with Orbitrol® steering valve.

ANGLE OF STEER: Each direction 35°; total 70°.

PUMP: Gear-type design, torque converter mounted. Total pump output is 72 L/min (19 gpm).

RELIEF PRESSURE: 13 238 kPa (1920 psi) (135 kgf/cm²) (132 bar).

CYLINDERS: Two (2) double-acting with chrome plated piston rods. Bore and stroke -60×363 mm (2.36 x 14.29 in).

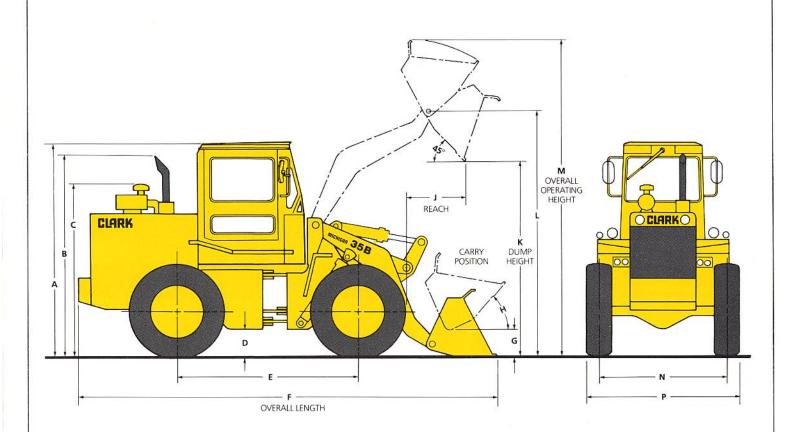
T T	SERVICE CAPACITIES	litres	U.S. gal
LY	Cooling system	27,0	7.1
	Crankcase	13,0	3.4
Torque co	nverter & transmission	17.0	4.5
Front & re	ear axle differentials (each)	14,0	3.7
Front & re	ear wheel hubs (each)	6,0	1.6
Fuel tank		95.0	25.1
Hydraulic	reservoir	82.0	21.7

STANDARD EQUIPMENT

Bucket Positioner
Bucket Seat, adjustable
Drawbar
Horn
Lights, work (2 front, 1 rear)
Lights, Tail/Stop with
turn signals
Panels, engine compartment

Rear-View Mirrors
Steps, right & left access
INSTRUMENTS/GAUGES
Battery Charging
Engine Temperature
Engine Oil Pressure
Fuel Level
Torque Converter Temperature
Hourmeter

FILTERS
Air (dry-type)
Engine Oil
Fuel
Hydraulic Oil, return
Torque Converter/Transmission



MACHINE DIMENSIONS, mm (with 1,2 m³ bucket)*

Tire Size	A**	В	С	D	E	F	G	н	j	К	Ü	М	N	Р
12.00-24 (L-2)	2895	2615	2255	355	2350	5490	355	50°	1000	2660	3390	4425	1665	2030
in	114.0	103.0	88.8	14.0	92.5	216.1	14.0		39.4	104.7	133.5	174.2	65.6	79.9
13.00-24 (L-2)	2920	2640	2280	380	2350	5490	380	50°	980	2685	3415	4450	1665	2030
in	115.0	103.9	89.8	15.0	92.5	216.1	15.0		38.6	105.7	134.4	175.2	65.6	79.9
15.5-25 (L-2)	2920	2640	2280	380	2350	5490	380	50°	980	2685	3415	4450	1665	2050
in	115.0	103.9	89.8	15.0	92.5	216.1	15.0		38.6	105.7	134.4	175.2	65.6	80.7
16.9-24 (L-2)	2920	2640	2280	380	2350	5490	380	50°	980	2685	3415	4450	1665	2120
in	115.0	103.9	89.8	15.0	92.5	216.1	15.0		38.6	105.7	134.4	175.2	65.6	83.5

Per SAE J732 & J742 Dimensional drawing shown with soft cab. "Add 90 mm (3.54 in) for integral ROPS cab.

OPTIONAL EQUIPMENT and approximate installed weights

	kg	lb		kg	lb
Awning Canopy			Fenders, front	25	55
Backhoe with 0,1 m ³ (3.5 ft ³) bucket			Fork Attachment		
Bucket, 1,0 m ³ (1.31 yd ³) (without teeth)	395	871	Logger Attachment (includes 3-spool)		
Bucket Teeth (7)	40	88	valve & piping kit)	900	1984
Cab	210	462	ROPS		
3-Spool Valve & Piping	20	44	ROPS Cab		1235

OPERATING DATA (with 12.00-24 tires)

Data presented here conforms to applicable standards recommended by the Society of Automotive Engineers: SAE loader ratings J732 and J742. Changes in standard configuration may change machine dimensions or operating data. Refer to Supplemental Operating Data.

Bucket Type	General Purpose	General Purpose
Capacity, Rated (heaped)	1,00 1.31	1,20 1.57
Rated (struck) m³ yd³	0,85 1.11	1,00 1.31
Cutting Edge Width	2120 83.46	2120 83.46
†Dump Height @ Full Lift and	2660 104.71	2660 104.71
tReach @ Full Lift and 45° Discharge	1000 39,37	1000 39,37
tReach @ 45° Discharge Angle and 2130 mm mm (7 ft Height) in	1380 54.33	1380 54.33
Overall Length mm in	5490 216.14	5490 216.14
†Overall Operating Height	2620 103.15	2620 103.15
Clearance Circle (bucket in carry position) m ft	10,2 33.15	10,2 33.15
Breakout Force	47,4 10,582 4,800	47,4 10,582 4,800
Static Tipping Load, Straight kg lb	4300 9,480	4200 9,259
Full (35°) Turn k g lb	3800 8,377	3700 8,157
Operating Weight*, Totalkg lb	6540 14,418	6610 14,572

^{*}Includes all items listed as Standard Equipment plus full fuel tank, ROPS canopy and 70 kg (154 lb) operator. A change in tire size or the addition (or removal) of optional equipment or attachments will affect both operating weight and tipping loads. These changes are shown below for certain selected items.

	CHAN OPERA WEI	ATING	CHANGE IN FULL TURN STATI TIPPING LOAD			
	kg	lb	kg	lb		
13.00-24, 8PR (L-2)	113	249	65	143		
13.00-24, 12PR (L-2)	136	300	80	176		
15-5.25, 8PR (L-2)	277	610	160	353		
Cab, Steel		463	- 65	- 143		
ROPS, Open (removal)			- 96	- 212		

Specifications subject to change without notice or obligation Illustrations used in this publication may show optional equipment

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[†]Changes with tire size; refer to Machine Dimensions.