

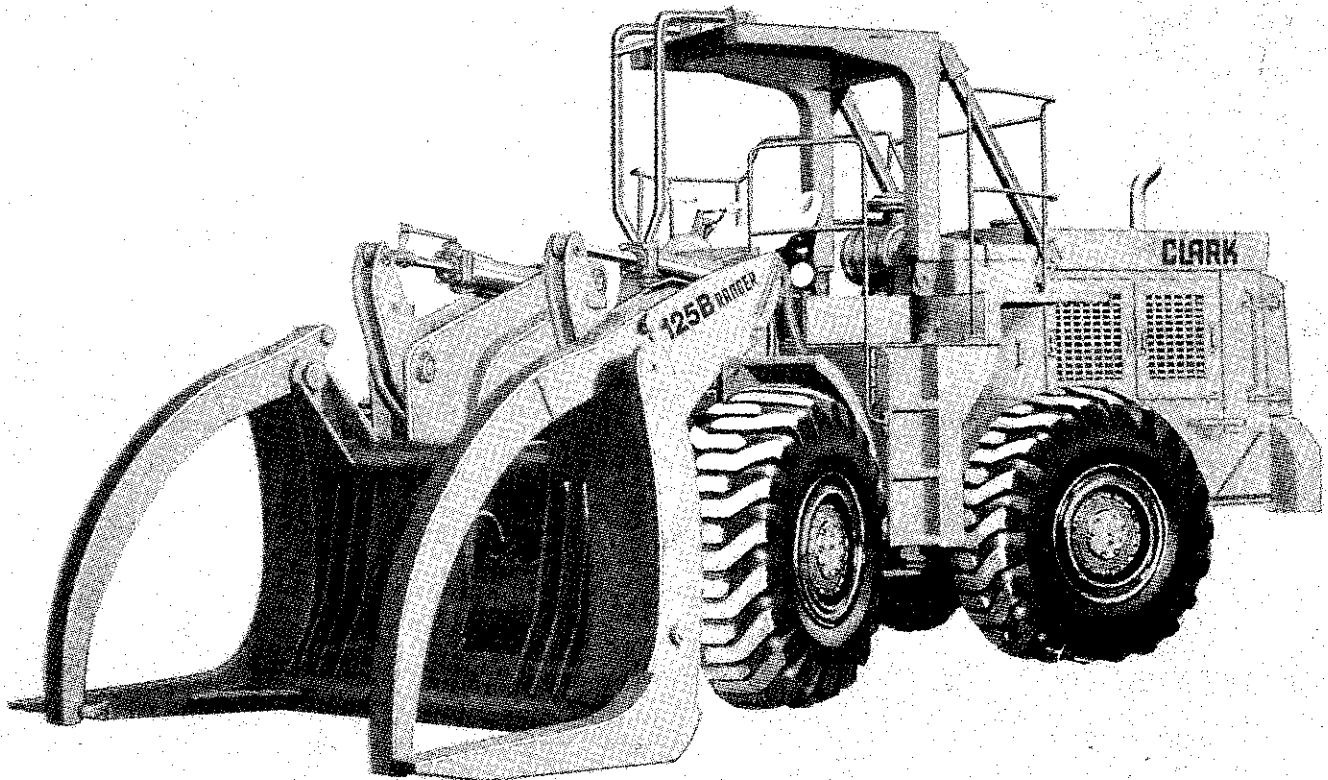
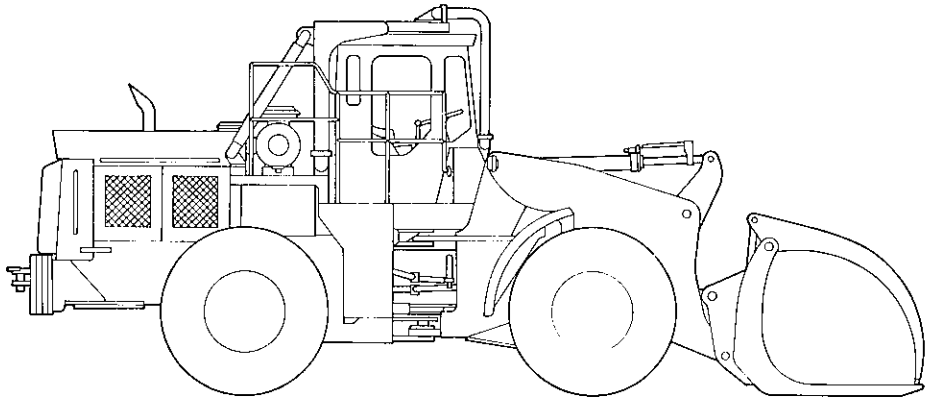
CLARK

125B

RANGER

LOG LOADER

- Complete powertrain designed and manufactured by Clark
- Disc brakes on all wheels...manually or automatically applied emergency brake
- Rugged, heavy plate frame with front & rear belly guards
- Roomy, comfortable operator's compartment
- GM 6V-71N65 engine with 212 flywheel horsepower or Cummins VT-555-C with 210 flywheel horsepower
- ROPS (SAE J394) with front operator guard



MODEL 125B

ENGINE

Make	GM	Cummins
Model	6V-71N65	VT-555-C
*Maximum h.p.	236	222
**Flywheel h.p.	212	210
Governed RPM	2300	2850
Maximum torque, ft. lbs.	600 @ 1600	445 @ 1900
(kg-m)	(83.0 @ 1600)	(61.5 @ 1900)
Bore and stroke, in.	4.25 x 5.00	4.62 x 4.13
(mm)	(108 x 127)	(117 x 95)
Number of cylinders	6	8
Displacement, cubic in. (litres)	425.6 (6.98)	555 (9.10)
Fuel capacity, U.S. gals. (litres)	75 (284)	75 (284)
Electrical system (alternator)	24 volts, 30 amps	24 volts, 30 amps

*Maximum horsepower based on SAE standard J816 barometric pressure of 29.38 in. hg. (74.62 cm hg) and ambient temperature of 85°F (29.4°C) at maximum engine speed with fuel pump, water pump, and lubricating oil pump.

**Net usable horsepower at engine flywheel under SAE standard J816 with standard engine fan, alternator, air cleaner and air compressor.

POWERTRAIN

TORQUE CONVERTER: Clark industrial type: 3.09:1 torque multiplication ratio with GM engine, 2.91:1 with Cummins.

TRANSMISSION: Clark powershift, countershaft type 4-speed, full reversing.

Travel speeds (measured with 23.5-25, 20 PR tires), MPH (km/hr):

1st	2nd	3rd	4th
3.4 (5.5)	5.7 (9.2)	9.8 (15.8)	18.2 (29.3)

AXLES: Clark all wheel drive, with planetary reduction in each wheel. Front and rear limited slip differentials. Total rear axle oscillation 24°.

HYDRAULIC SYSTEM

PUMPS: Gear type — three separate pumps; two tandem, driven at engine speed, each with separate relief valve.

System operating pressure	2400 PSI	(168.7 kg/cm ²)
System capacity	87 U.S. gal.	(329 litres)
Reservoir capacity	76 U.S. gal.	(287 litres)

CYLINDERS: Double-acting

Boom (2)	6.00" dia. x 39.30"	(152.4 x 998.2 mm)
Tilt (2)	4.50" dia. x 24.70"	(114.3 x 627.4 mm)
Top clamp (2)	5.00" dia. x 18.00"	(127.0 x 457.2 mm)
Steering (2)	3.50" dia. x 20.30"	(88.9 x 515.6 mm)

VALVE: Three spool main valve with built-in relief valve and controlled power assist actuator for low lever effort.

HYDRAULIC SPEEDS

Raising time	6.2 sec.
Lowering time	3.2 sec.
Dump time	3.0 sec.
Clamp open time	2.5 sec.
Clamp close time	2.5 sec.

TIPPING LOAD

*Tipping load — straight, lbs. (kg)	37,500 (17 010)
*Tipping load — full turn, lbs. (kg)	33,000 (14 969)

*Tipping loads based on: (1) Unit at standard operating weight on firm, level surface. (2) Fork at maximum reach in rollback position.

LOG GRAPPLE (Medford M-13)

Length of forks	5' 0"	(1524 mm)
Overall width of forks	7' 10"	(2388 mm)
Maximum opening of clamp	9' 7"	(2921 mm)
Minimum closure of clamp	3' 10"	(1168 mm)
Rollback at ground	11°	
Rollback at carry	14°	
Maximum dump angle	37°	

OPERATING DIMENSIONS

TURNING RADIUS

Tip of fork at ground	23' 0"	(7010 mm)
Tip of fork at maximum reach	24' 2"	(7366 mm)
Outside rear tire	21' 7"	(6579 mm)
Tread, front and rear	7' 4"	(2235 mm)
Width over tires	9' 5"	(2870 mm)
Length, tractor less grapple	22' 0"	(6705 mm)

BRAKES (SAE J237)

SERVICE: Four wheel air-over-hydraulic self-adjusting caliper with 18" (45.7 cm) dia. discs. Application of left pedal also neutralizes transmission.

EMERGENCY: Axle-by-axle system. Automatically actuated by low air pressure or manually applied through dash-mounted control valve; audible and visual alarm.

PARKING: Mechanical on front transmission output shaft; 10" x 3" (254 x 76 mm) shoe.

TIRES

Tubeless, nylon, traction tread 23.5-25, 20PR (L-2)
(Optional tires available)

WEIGHT (Approx.)

*Operating, lbs. (kg)	49,000 (22 226)
**Operating, lbs. (kg)	47,000 (21 319)
***Shipping, lbs. (kg)	41,000 (18 598)
****Shipping, lbs. (kg)	44,000 (19 958)

*With 2240 lbs. (1016 kg) rear tire hydroinflation and 5500 lbs. (2495 kg) counterweight. **Less belly guards, ROPS & seatbelt. ***Less log grapple. ****Less belly guards, ROPS & seatbelt, with log grapple.

STANDARD EQUIPMENT

Reverse Warning Alarm* (SAE J994); ROPS Canopy* (SAE J394); Front Guard; Seat Belt* (SAE J386); Safety Brakes (SAE J237); Belly Guards (front & rear); Caps, lockable (fuel, hydraulic, radiator, transmission); Differential, Limited Slip (front and rear axles); Drawbar; Fenders (front); Fork Leveler; Horn; Instrument Panel, lockable; Lights, work (2 front, 2 rear); Lights, Tail/3-Spool Valve and Piping with Hydraulic Restrictor; Service Platforms, Rear; Wire Mesh Side Panels.

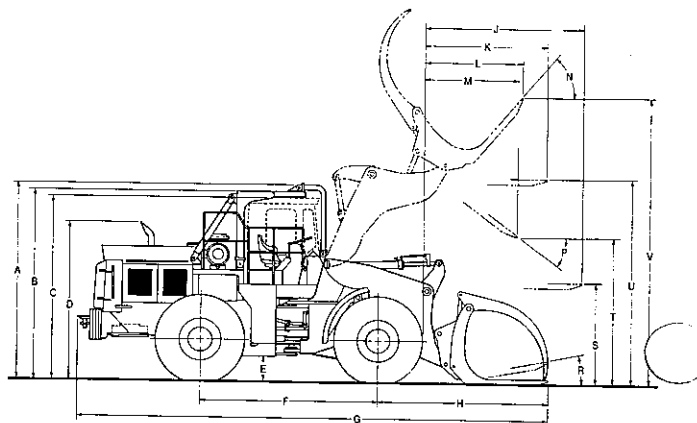
*Optional outside U.S.A. and Canada.

INSTRUMENTS: Warning lights for engine temperature, oil pressure, battery charging, torque converter temperature, air pressure, parking brake. Hour-meter.

FILTERS: Air (dual-element dry-type) engine oil, fuel; hydraulic oil (suction and return); torque converter/transmission.

OPTIONAL EQUIPMENT

Acoustical Kit, Cockpit (with floor mat); Air Conditioner; Alternator (50 amp); Auxiliary Steering Kit (electric); Cab (non-ROPS) (includes heater, defroster, pressurizer, front & rear wipers, front washer, acoustical lining and tinted safety glass); Cab Headlights; Counterweight (in lieu of hydroinflation); Evaporator, Brake Air System; Gauge Kit; Solid Hood Side Panels; Mirror Kit (cab interior); Rearview Mirrors (2); Spark Arrestor Muffler; Suspension Seat.



DIMENSIONS & SPECIFICATIONS ARE WITH MEDFORD M-13 GRAPPLE & 23.5-25, 20 PR (L-2) TIRES.

	A	B	C	D	E	F	G	H	J	K	L	M	N	P	R	S	T	U	V
(mm)	11' 11"	11' 6"	11' 4.5"	9' 7"	1' 5"	10' 8"	27' 10"	10' 0"	9' 4"	6' 11"	5' 6"	5' 2"	50°	37°	11°	6' 4"	9' 1"	12' 7"	17' 4"
	(3632)	(3505)	(3467)	(2921)	(432)	(3251)	(8483)	(3048)	(2845)	(2109)	(1676)	(1575)				(1930)	(2769)	(3835)	(5283)

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE OR OBLIGATION

ASK YOUR DISTRIBUTOR ABOUT CLARK FINANCING PROGRAM

CLARK Construction Machinery Division

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8M-BP (10/76)
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