

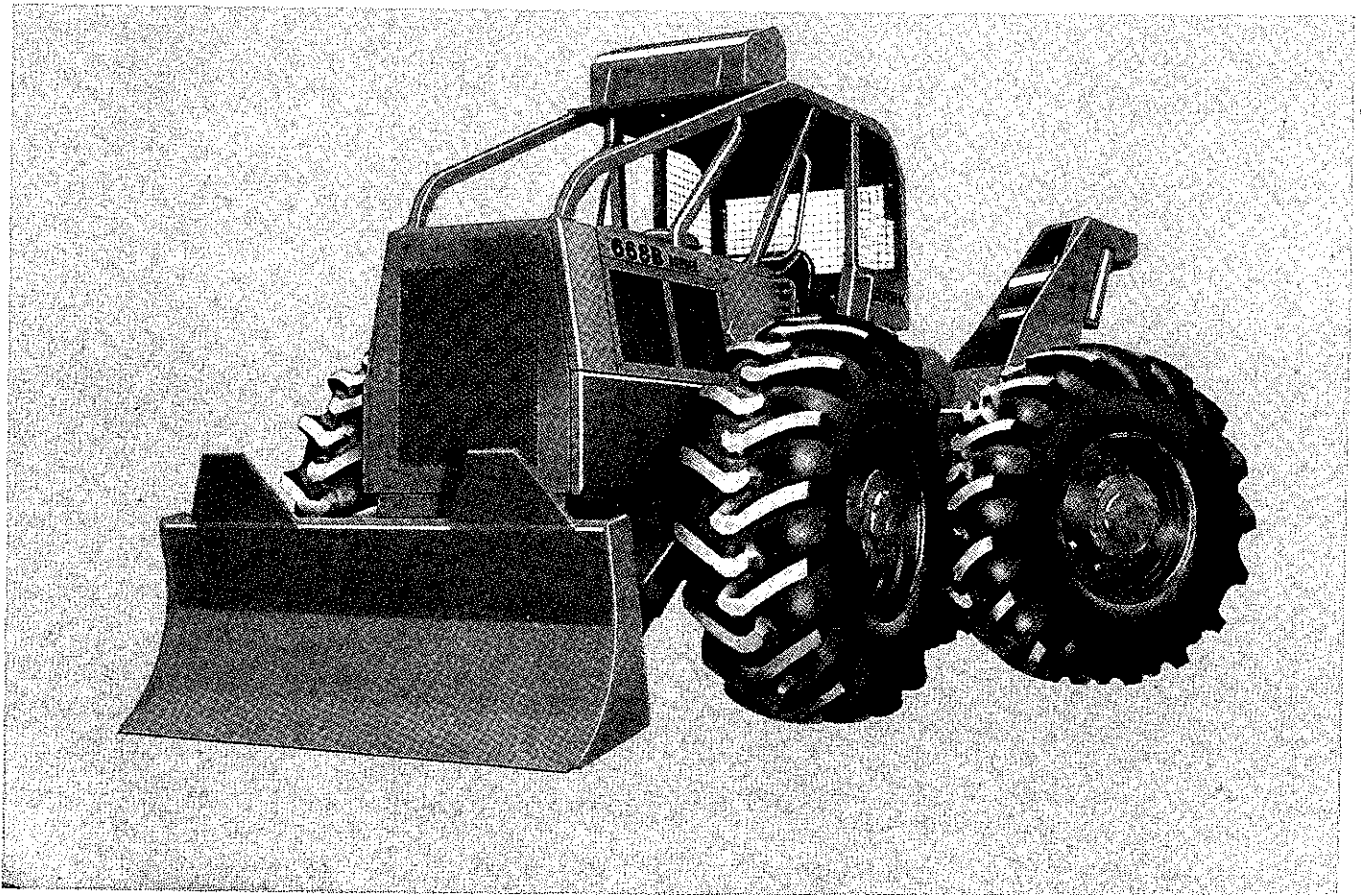
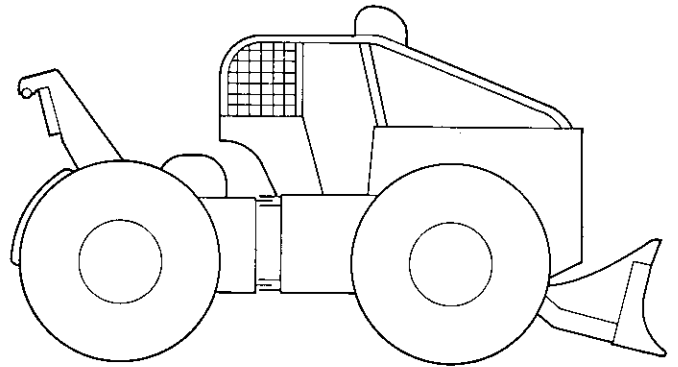
CLARK

668B

RANGER

CABLE SKIDDER

- Clark powershift transmission... integral multiple disc brake
- Rugged, heavy plate frame with keel shaped belly guards
- Clark winch - breakaway cable anchor standard equipment
- GM 6V-53N or Cummins V-504-C diesel engine
- Sturdy box construction utility blade
- ROPS (SAE J394) safety canopy with brush guards



MODEL 668B

ENGINE

	Diesel	Diesel
Make	GM	Cummins
Model	6V-53N	V-504-C
*Maximum horsepower	185	183
**Flywheel horsepower	166	165
Governed RPM	2500	2600
Maximum torque, lbs.-ft. (kg-m)	431 (59,6)	387 (53,5)
Bore and stroke, in. (mm)	3.88 x 4.50 (98,6 x 114,3)	4.625 x 3.750 (117,5 x 95,4)
Number of cylinders	6	8
Displacement, cubic in. (litres)	318.6 (5,9)	504 (8,28)
Fuel tank capacity, U.S. gals. (litres)	60 (227)	60 (227)
Electrical system (alternator)	12 volts, 35 amps	12 volts, 35 amps

*Max. h.p. of basic engine under SAE standard ambient conditions (1816).
 **Net usable h.p. at engine flywheel at 500 ft. (152,4 m) altitude & 85°F (24,5°C) ambient conditions with fan, alternator, water pump, lube oil pump, fuel pump, and air cleaner.

POWERTRAIN

TORQUE CONVERTER: Clark industrial type; 3 to 1 multiplication factor.
 TRANSMISSION: Clark powershift, 3 speed, full reversing. Travel speeds shown are with 24.5-32, 10 PR tires, MPH (km/hr):

1st	2nd	3rd
4.6 (7,4)	8.4 (13,5)	16.7 (26,9)

AXLES: Clark all-wheel drive with planetary reduction in each wheel. Front and rear axles have automatic NoSpin differential. Total front axle oscillation 20°.

BRAKES: Service — Clark multiple disc, oil cooled; enclosed in transmission. Parking — Manually actuated locking feature on service brake.

HYDRAULIC SYSTEM

PUMP: Gear-type; flywheel driven by splined shaft through torque converter. 47 GPM (U.S.) (192 litres/min.) capacity at governed RPM.
 System operating pressure 1600 PSI (112 kg/cm²)
 System capacity, (U.S.) 20.0 gal. (76,6 litres)
 Reservoir capacity, (U.S.) 15.5 gal. (48,8 litres)
 CYLINDERS: Double-acting
 Blade lift (2) 4.00" dia. (101,6 mm)
 Steering (2) 4.00" dia. (101,6 mm)
 VALVE: Two spool type with built-in adjustable main relief valve.

STEERING SYSTEM

Steering cylinders (2), double-acting, interchangeable with blade lift cylinders. Lever type control. Steering valve has fine metering and two (2) separate overload relief valves.

CLEARANCE CIRCLE

Outside rear tire	32'	(9,7 m)
Steer angle, left & right	48°	
Steer angle, total	96°	

FAIRLEAD

Guide rollers (3)	5.00" dia.	(127 mm)
Main roller	10.75" dia.	(273 mm)

WINCH (Clark WD412-1)

*Maximum line pull (bare drum), lbs. (kg)	42,500	(19 278)
*Maximum line speed (bare drum), FPM (m/min.)	323	(98,5)
Winch drum	12" (305 mm) dia. x 7.88" (200 mm) width	
	19.5" (495 mm) flange dia. with breakaway anchor.	

Rated capacity, lbs. (kg) 40,000 (18 144)
 Mechanically driven "live" shaft; torque converter automatically adjusts power/speed for linepull up to value shown without shifting gears while standing or moving. Sealed housing contains drum, friction clutch and normally engaged brake; hydraulic controls.

*Based on 85% efficiency with .75" (19,1 mm) dia. rope.

DRUM CAPACITY (Wire Rope)

.75" dia. — 216'	(19,1 mm dia. — 66 m)
.88" dia. — 160'	(22,4 mm dia. — 48 m)
1.0" dia. — 92'	(25,4 mm dia. — 28 m)

TIRES (Nylon Logger Compound)

Standard	24.5-32, 10PR
*Optional	30.5-32, 28.1-26

*Tires with shredded wire and steel guard construction also available.

WEIGHT (Approx. Shipping)

Front axle, lbs. (kg)	14,690	(6663)
Rear axle, lbs. (kg)	9,790	(4441)
Total, lbs. (kg)	24,480	(11 104)

STANDARD EQUIPMENT

Adjustable bucket seat, circuit breaker for electrical system, engine compartment side panels (summer)*, fire extinguisher, flexible exhaust, main harness disconnect switch, neutral start switch, pusher fan, ROPS (SAE J394), seat belt (SAE J386), Clark spark arresting muffler (USDA F.S. approved), split rims, utility blade, wrap around fenders.

GAUGES: Mechanical — engine oil pressure, temperature; tachometer; torque converter temperature. Electrical — ammeter; hourmeter.

FILTERS: Air (2-stage dry, with service indicator); fuel; engine oil; hydraulic oil (2, full-flow 25 micron, suction); transmission/torque converter.

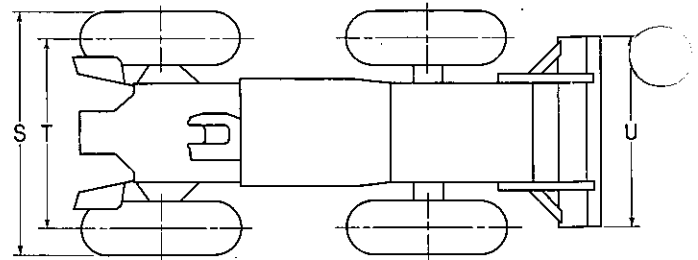
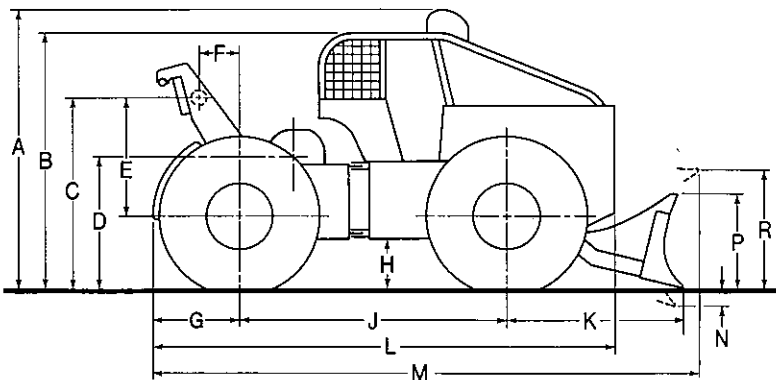
*Optional outside U.S.A. and Canada.

OPTIONAL EQUIPMENT

Air compressor; Auxiliary steering; Block heater; Emergency brake; Grease gun; Hand throttle; Lights, three; Louvered side panels; Reversible fan; ROPS; Solid side panels; Soundproofing (kit); Suction Fan; Suspension seat; Tire pressure gauge; Tool box; Tow hook; Wheel wrench.

	A	B	C	D	E	F	G	H	J	K	L	M	N	P	R	S	T	U
	127.8"	115.8"	84.5"	57.4"	53"	18"	39"	20.8"	118"	81.5"	204.5"	243.2"	10.7"	43.6"	52"	112.5"	84"	85"
(mm)	(3246)	(2941)	(2146)	(1458)	(1346)	(457)	(991)	(528)	(2997)	(2070)	(5194)	(6177)	(272)	(1107)	(1321)	(2858)	(2134)	(2159)

ALL DIMENSIONS ARE NOMINAL



SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE OR OBLIGATION

ASK YOUR DISTRIBUTOR ABOUT CLARK FINANCING PROGRAM

CLARK Construction Machinery Division

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