



MODEL 1835C
Uni-Loader[®]

44 net horsepower (32.8 kW) gasoline

Case coupler for fast implement attachment

Control lock-out provides operator protection



1835C BASIC UNIT

ENGINE

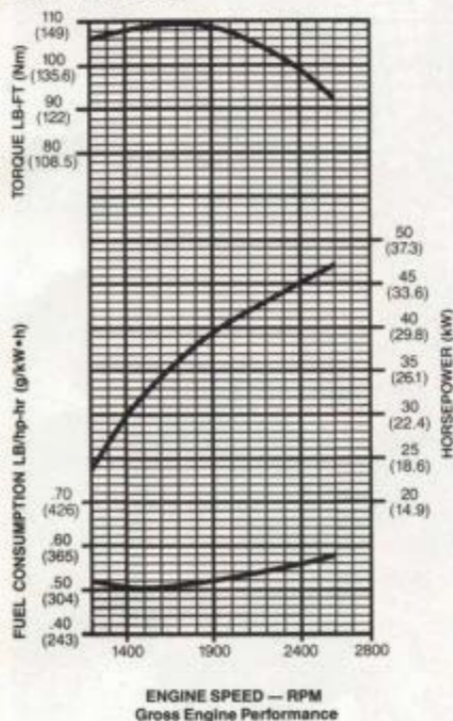
Make and model Teledyne TM20
 Type of fuel Unleaded gasoline
 No. of cylinders 3
 Bore and stroke 3.58" x 4.06"
 (91 mm x 103 mm)
 Displacement 123 in³ (2016 cm³)
 Compression ratio 8.3:1
 Fuel induction Carburetor
 Fuel supply Vacuum fuel pump
 Air cleaner Dry type,
 replaceable element
 Oil filter Replaceable spin-on
 cartridge, full-flow
 Lubrication Positive pressure
 Cooling system Liquid
 Horsepower
 (1) Gross 47 @ 2600 rpm
 (35.1 kW @ 2600 r/min)
 (2) SAE Net 44 @ 2600 rpm
 (32.8 kW @ 2600 r/min)

Max. Torque ft-lb

(1) Gross 109 @ 1600 rpm
 (148 Nm @ 1600 r/min)

(1) Gross engine horsepower or torque at flywheel per SAE Standard J 1349.
 (2) Net engine horsepower or torque at flywheel per SAE Standard J 1349.

POWER CURVE



ELECTRICAL

System Voltage 12-volts
 Battery 650 CCA
 Alternator 65 amp

STEERING

Independent — 360° counter rotation.
 Steering, braking, forward and reverse movement controlled by operation of two hand levers.

POWER TRAIN

Type Hydrostatic with single-stage chain drive to all wheels.
 Transmission Tandem pump assembly consisting of two variable displacement pumps, gerotor type charge pump, gear type system pump, two fixed displacement motors.
 Brakes Mechanical parking latch

HYDRAULIC SYSTEM

Main relief setting 2250 ± 100 psi @ 2600 rpm
 (15 512 ± 689 kPa @ 2600 r/min)
 Lift cylinders (2) 2.5" dia x 26.75" stroke, 1.5" rod
 (64 mm dia x 679 mm stroke, 38 mm rod)
 Tilt cylinders (2) 2.5" dia x 15.85" stroke, 1.25" rod
 (64 mm dia x 403 mm stroke, 32 mm rod)
 Pump capacity 16.4 gpm @ 2600 rpm @ 2250 psi
 (62.1 l/min) @ 2600 r/min @ 15 512 kPa
 Filter equipment 6-micron spin-on replaceable element with warning light.

SERVICE CAPACITIES

	U.S. Gal.	Litres
Cooling system	4.5	17.0
Fuel tank	19.5	73.8
Engine oil		
w/filter	6 qt	5.7
w/o filter	5 qt	4.7
Hydraulic reservoir		
w/filter	6.25	23.7
w/o filter	6	22.7
Chain compartments (2)	6 qt	5.7
per side		

WEIGHTS

Shipping weight 4365 lb (1980 kg)
 Includes 4 gal. (15.2 l) fuel, no operator, no bucket, 7.00 x 15 tires, ROPS, and standard equipment
 Operating weight 4950 lb (2245 kg)
 Includes full fuel, 175 lb (79 kg) operator, 54" (1372 mm) dirt bucket, 7.00 x 15 tires, ROPS, and standard equipment.



CONTROL LOCK-OUT

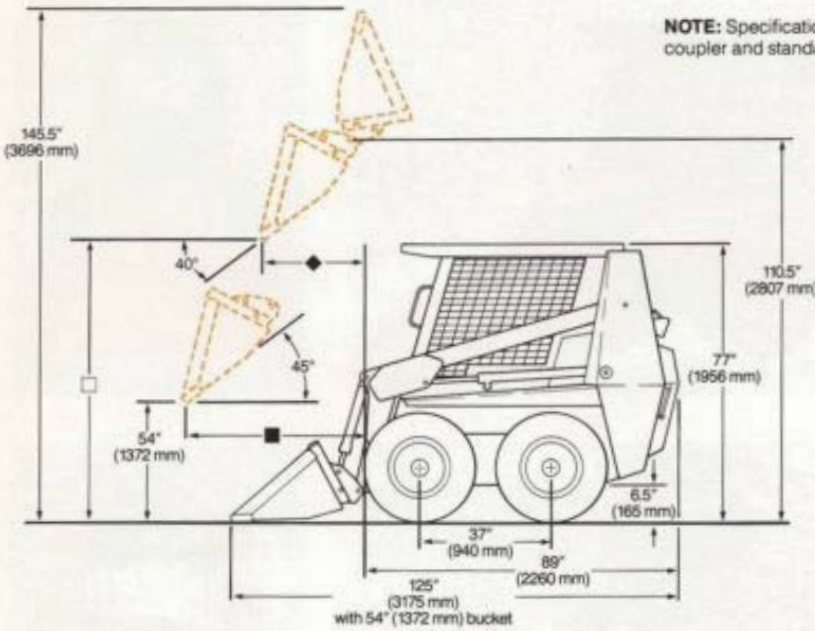
This system prevents activation of hydraulics by automatically shutting down hydraulic system and locking the parking latch. Standard equipment.



ROLL-OUT ROPS

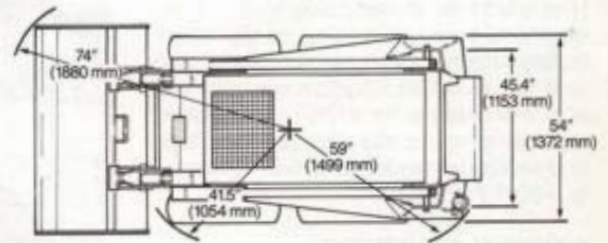
System provides quick, easy access to engine and power train for servicing. Requires only one-man, 15-minute procedure. Standard equipment.

OPERATIONAL DATA



NOTE: Specifications taken with 54" (1372 mm) dirt bucket, 7.00 x 15 tires, ROPS, Case coupler and standard equipment, unless otherwise specified.

- Varies with bucket and coupler system, refer to Dump Height in chart below
- ◆ Varies with bucket and coupler system, refer to Dump Reach in chart below
- Varies with bucket and coupler system, refer to Dump Reach in chart below



BUCKETS

Type	Width		Struck Capacities		SAE Heaped Capacities		Weight		Dump □ Height		Dump ◆ Reach		Dump ■ Reach		Dump Angle deg	Overall Length	
	in	mm	ft. ³	m ³	ft. ³	m ³	lbs	kg	in	mm	in	mm	in	mm		in	mm
Dirt	54	1372	7.9	0.22	10.1	0.28	343	155	84	2134	22	559	31.3	795	40°	124	3150
Dirt	63	1600	9.1	0.26	11.8	0.33	374	170	84	2134	22	559	31.3	795	40°	124	3150
*Utility	54	1372	13.7	0.39	17.0	0.48	428	194	82.3	2090	29.3	744	36.0	914	37°	131.5	3340
*Utility	63	1600	15.9	0.45	19.8	0.56	462	209	82.3	2090	29.3	744	36.0	914	37°	131.5	3340
*Utility	73	1854	18.5	0.52	23.1	0.65	496	225	82.3	2090	29.3	744	36.0	914	37°	131.5	3340

*Recommended rear c/wt option

PERFORMANCE SPECIFICATIONS

- Tipping load —
 - SAE rated 2400 lbs (1089 kg)
- Rated operating load . . . 1200 lbs (544 kg)
- Raising time with
 - rated load in bucket 4.4 sec.
- Lowering time bucket empty 2.3 sec.
- Rollback time 1.4 sec.
- Breakout force —
 - lift cylinders 2773 lbf (12 334 N)
 - tilt cylinders 3066 lbf (13 638 N)
- Lift capacity
 - to max height 2350 lbs (1066 kg)
- Travel speed (forward
 - and reverse) 5.9 mph (9.5 km/h)
- Bucket roll back 29°



CASE COUPLER

A new quick-change implement attachment system. Allows operator to disengage, attach and lock on all 1835C and 1840 Case coupler attachments as well as the new 1845C (4 slot) attachments.

EQUIPMENT DATA

STANDARD EQUIPMENT

1200 lb (544 kg) rated operating load with double-acting Case cylinders, less attachments, with controls and hydraulics • Teledyne water-cooled gasoline engine • Hydrostatic transmission with chain drive to all wheels • Spin-on hydraulic filter • 7.00 x 15 nylon Chevron tires • Case coupler • 12-volt battery • Spark arresting muffler • Dry type air cleaner • Hand throttle • Mechanical parking latch • Hourmeter • Fuel gauge • ROPS mounted warning light monitoring system for hydraulic filter, alternator, transmission temperature, engine oil pressure, air cleaner restriction, battery voltage, engine water temperature and seat belt reminder • Audible alarm for low engine oil pressure, transmission temperature, water temperature, alternator, battery voltage and seat belt reminder • Drawbar • Antifreeze to -20°F (-29°C).

OPTIONAL EQUIPMENT

(on basic machine)

7.00 x 15 Steel Cap 6 PR tires • 10.00 x 16.5 Sure Grip (flotation) 6 PR tires • 6.50 x 16 non-pneumatic tires • Lights • Auxiliary hydraulics • Horn • Deluxe seat • Counterweights • Lift hooks • Back up alarm • Block heater • Case pinned coupler.

OPTIONAL EQUIPMENT (attachments)

54" (1372 mm) and 63" (1600 mm) dirt buckets • 54" (1372 mm) and 63" (1600 mm) and 73" (1854 mm) utility buckets • Manure fork • Hydraulic grapple • Pallet fork with brick guard • 94" (2388 mm) backhoe- pinned coupler • 109" (2768 mm) backhoe-Case coupler.



MANURE FORK

Number of tines 11
 Width between each tine . . . 4.2" (107 mm)
 Overall width of tines . . . 54.3" (1379 mm)
 Overall width of attachment 54.8"
 (1392 mm)
 Length of tine 27" (686 mm)
 Hydraulic grapple available for manure fork.

PALLET FORK (with Brick Guard)

Maximum width of forks . . . 40" (1016 mm)
 Minimum width of forks . . . 12" (305 mm)
 Length of fork 36" (914 mm)
 Overall width of attachment 48.5"
 (1232 mm)

Sold and serviced by:

NOTE: All specifications are stated in accordance with SAE Standards or Recommended Practices, where applicable.

IMPORTANT

J I Case Company reserves the right to change these specifications without notice and without incurring any obligation relating to such changes. Unit illustrated is equipped with non-standard equipment.

J I Case

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