



MODEL 380B Tractor

Case 50 net horsepower (37.3 kW) diesel

General Purpose and LCG models

Choice of two synchromesh transmissions

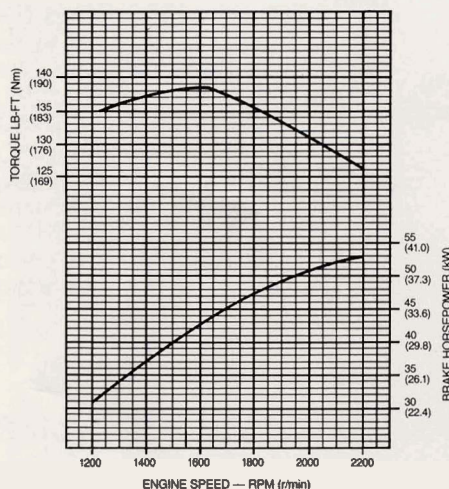


SPECIFICATIONS: 485 TRACTOR, 380B CONSTRUCTION KING®

ENGINE

Make and model Case D-179 diesel
 Type of fuel No. 2 diesel
 Number of cylinders 3/wet sleeve
 Bore and stroke 3.88" x 5.06"
 (98 mm x 128.5 mm)
 Displacement 179 in³ (2933 cm³)
 Compression ratio 16.0:1
 Fuel induction Injection
 Fuel supply Injection pump
 Air cleaner Dry type, dual element
 w/vaculator valve replaceable cartridge
 and restriction indication
 Oil filter Full flow, replaceable
 spin-on cartridge
 Lubrication Positive pressure
 Cooling system Pressurized—
 12 psi (52.7 kPa)
 Horsepower
 (1) Gross 53 @ 2200 rpm
 (39.5 kW @ 2200 r/min)
 (2) SAE Net 50 @ 2200 rpm
 (37.3 kW @ 2200 r/min)
 Max. drawbar pull 5500 lbs (2398 kg)
 PTO hp @ 2200 rpm 42.4 (31.6 kW)
 Max. drawbar hp 38.1 (28.3 kW)
 Max. Torque ft-lb.
 (1) Gross 139 @ 1600 rpm
 (189 Nm @ 1600 r/min)
 (2) SAE Net 136 @ 1600 rpm
 (180 Nm @ 1600 r/min)
 (1) Gross engine horsepower or torque at flywheel
 per SAE Standard J1349.
 (2) Net engine horsepower or torque at flywheel per
 SAE Standard J1349.

POWER CURVE



ELECTRICAL

System voltage 12 volts,
 negative ground
 Battery 605 cold cranking amps
 at 0°F (-18C)
 Alternator 45 amp
 Lighting
 Front headlights with sealed beam . . . 2
 Combination tail and flood light 1
 Amber combination flashing warning
 and directional signal lights,
 fender mounted 2

POWER TRAIN

Transmission: Eight speeds forward, four
 reverse. Manual on-the-go synchromesh
 shift in 1st, 2nd, 3rd, and 4th gear with a
 high-low speed range and reverse lever.
 Type of clutch: 11" (279 mm) dia. dry
 clutch—single plate.
 Brakes: Individual or simultaneous foot
 operated. 10.2" (259 mm) diameter, self
 adjusting, inboard hydraulic wet disc
 brakes. Over-center, hand-operated, park-
 ing brake.

AXLE RATINGS (Manufacturer's)

Front 6172 lbs (2802 kg)
 Rear 9259 lbs (4203 kg)

AXLE OSCILLATION

Front 20°
 Rear Fixed

STEERING

Power steering Hydrostatic
 Hydraulic pump integral with hydraulic
 system
 Pump capacity 2.5 gpm (9.5 L/min)
 —priority flow
 Turning ratio (stop to stop) 3 turns
 Steering cylinder, one, double acting
 2.5" dia. x 1" rod, 4.5" stroke
 (63.5 mm dia. x 25.4 mm rod,
 114.3 mm stroke)

SERVICE CAPACITIES

	U.S. Gals	Litres
Cooling system	3	11.4
Fuel tank	20	76
Engine oil w/filter	1.7	6.5
Transmission and hydraulic system	9	34.1

DRAWBAR

Type: Swinging or fixed, non-extendable
 Standard with 3-point hitch
 Dimensions 2" x 1.5" (50.8 x 38 mm)
 Total swing range 12.4" (315 mm)
 Height on 14.9 x 24 tires 14.1" (358 mm)
 Height on 18.4 x 16.1 tires 9.1" (231 mm)
 Drawbar hole diameter . . . 1.0" (25.4 mm)

TRAVEL SPEEDS MPH (km/h)

General Purpose Tractor

Engine at full throttle, 14.9 x 24, R4 tires

	First	Second	Third	Fourth
Forward				
Low	1.46 (2.20)	2.36 (3.56)	3.20 (5.14)	4.11 (6.60)
High	5.58 (8.42)	9.05 (13.66)	12.24 (19.96)	15.75 (25.34)
Reverse	1.75 (2.64)	2.84 (4.28)	3.83 (6.16)	4.93 (7.93)

Low Center of Gravity Tractor

Engine at full throttle, 18.4 x 16.1, R3 tires

	First	Second	Third	Fourth
Forward				
Low	1.24 (2.00)	2.01 (3.23)	2.80 (4.51)	3.60 (5.80)
High	4.74 (7.63)	7.70 (12.39)	10.75 (17.31)	13.82 (22.25)
Reverse	1.49 (2.40)	2.41 (3.88)	3.36 (5.41)	4.33 (6.97)

TIRES

General Purpose Tractor

Size	Ply Rating	Tread	Pressure psi	kPa
Front				
7.50 x 16	6	I1	36	248
Rear				
14.9 x 24	6	R4	20	138
14.9 x 24	6	R1	20	138
16.9 x 24	6	R1	18	124
16.9 x 24	6	R4	18	124

Low Center of Gravity Tractor

Size	Ply Rating	Tread	Pressure psi	kPa
Front				
9.00 x 10	8	F3	32	221
Rear				
18.4 x 16.1	6	R3	16	110

TURNING CLEARANCE CIRCLE

(Tractor only)

With brakes 9'7" (2.92 m)
 Without brakes 11'1" (3.38 m)

POWER TAKEOFF

Performance: 42.4 PTO hp @ 2200 Max.
 rpm (31.6 PTO kW @ 2200 Max. r/min)
 Power takeoff shaft with safety shield and
 protective cover.
 Type: Independent PTO with hand oper-
 ated PTO clutch
 Shaft type Six spline
 Shaft diameter 1.375" (35 mm)
 Rotation—from rear Clockwise
 Shaft speed:
 540 rpm PTO - 1934 rpm engine
 614 rpm PTO - 2200 rpm engine

GENERAL PURPOSE TRACTOR

HYDRAULIC SYSTEM

Type, open center
 Hydraulic pump: Transmission mounted, positive displacement, gear type
 Max. pressure 2500 psi (17 237 kPa)
 Pump Capacity... 15.4 gpm @ 2200 rpm (58.3 l/min @ 2200 r/min)
 Hydraulic flow to auxiliary valve: 12 gpm (48.8 l/min)
 Type filtration: Suction line filtration, micron paper element
 Filter location: Externally mounted on transmission

THREE-POINT HITCH

Type sensing: Torsion bar sensing transfers mounted implement weight to rear tractor wheels for additional traction when encountering heavy draft conditions.
 Rockshaft lift cylinder
 3.5" dia. x 5.62" stroke (89 mm dia. x 143 mm stroke)

Operating pressure
 to rockshaft 2500 psi (17 236 kPa)
 Hitch relief pressure 2500 psi (17 236 kPa)
 Type implement control: Draft and position control

Operating lever control

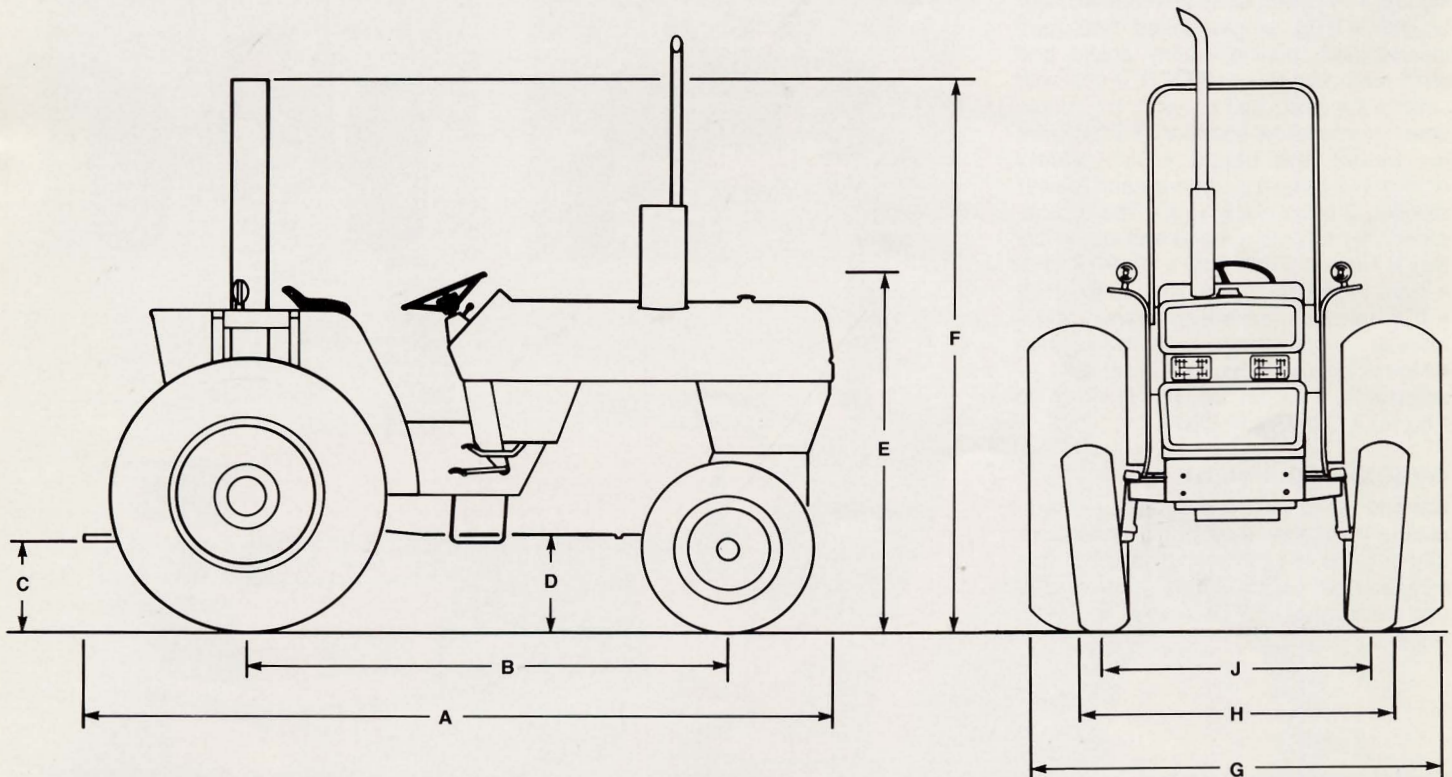
1. Lever to raise and lower the implement
 2. Lever to set draft load
 3. Lever to set raise response
- Draft arms: Swinging type fixed length with outside check chains, adjustable lift link and turnbuckle leveling adjustment.
 Stabilizer: Adjustable outside check chains.
 Maximum lift capacity
 @ hitch balls 3100 lbs (1407 kg)
 Maximum lift capacity @ 24" (610 mm) load center to rear of hitch balls 2700 lbs (1226 kg)
 Linkage lifting range 1.3" to 33.8" (33 mm to 858 mm)

WEIGHT

Approx. shipping weight of tractor w/hitch, protective frame, drawbar, PTO, standard tires, coolant—less fuel, ballast, weights: 5250 lbs (2381 kg)

TRACTOR

Overall length 11'10" (3.61 m)
 Overall width 6'4" (1.93 m)
 Height: to top of canopy ... 7'8" (2.34 m)
 to top of exhaust stack 8'5" (2.57 m)
 to top of steering wheel... 4'11.6" (1.51 m)
 Ground clearance
 (tractor main frame) ... 12.9" (328 mm)
 Drawbar height 14.1" (358 mm)
 Front wheel tread 4'4" to 6'8" (1.32 m to 2.03 m)
 Rear wheel tread 5' to 5'5" (1.52 m to 1.62 m)
 Wheelbase 6'7" (2.01 m)



Model	A	B	C	D	E	F	G	H	J
	Overall Length	Wheel-base	Drawbar Height	Under Frame Clearance	Height to top of steering wheel	Height to top of ROPS	Overall Width	Rear tread Width	Front tread Width Min/Max
380B* General Purpose	11'10" (3.61 m)	6'7" (2.01 m)	14.1" (358 mm)	12.9" (328 mm)	4'11.6" (1.51 m)	7'8" (2.34 m)	6'3" min to 7'4" max (1.88 m to 2.20 m)	5' to 5'5" (1.52 m to 1.62 m)	4'4" to 6'8" (1.32 m to 2.03 m)

*Tractor equipped with 14.9 x 24 R4 6PR rear tire and 7.50 x 16 I1 6PR front tire.

LOW CENTER OF GRAVITY TRACTOR

HYDRAULIC SYSTEM

Type, open center

Hydraulic pump: Transmission mounted, positive displacement, gear type

Max. pressure 2500 psi (17 237 kPa)

Pump Capacity... 15.4 gpm @ 2200 rpm (58.3 l/min @ 2200 r/min)

Hydraulic flow to auxiliary valve:

12 gpm (48.8 l/min)

Type filtration: Suction line filtration, micron paper element

Filter location: Externally mounted on transmission

THREE-POINT HITCH

Type sensing: Torsion bar sensing transfers mounted implement weight to rear tractor wheels for additional traction when encountering heavy draft conditions.

Rockshaft lift cylinder

..... 3.5" dia. x 5.62" stroke (89 mm dia. x 143 mm stroke)

Operating pressure

to rockshaft 2500 psi (17 236 kPa)

Hitch relief pressure 2500 psi (17 236 kPa)

Type implement control:

Draft and position control

Operating lever control

1. Lever to raise and lower the implement

2. Lever to set draft load

3. Lever to set raise response

Draft arms: Swinging type fixed length with outside check chains, adjustable lift link and turnbuckle leveling adjustment.

Stabilizer: Adjustable outside check chains.

Maximum lift capacity

@ hitch balls..... 3100 lbs (1407 kg)

Maximum lift capacity

@ 24" (610 mm) load

center to rear of

hitch balls..... 2700 lbs (1226 kg)

Linkage lifting range..... 1.6" to 30.9" (71 mm to 785 mm)

WEIGHT

Approx. shipping weight of tractor w/hitch, protective frame, drawbar, PTO, standard tires, coolant—less fuel, ballast, weights: 5441 lbs (2468 kg)

TRACTOR

Overall length..... 11'7" (3.53 m)

Overall width..... 83" (2.1 m)

Height: to top of canopy... 7'5" (2.26 m)

to top of steering wheel ... 4'8.5"

(1.44 m)

Ground clearance

(tractor main frame) ... 10.3" (262 mm)

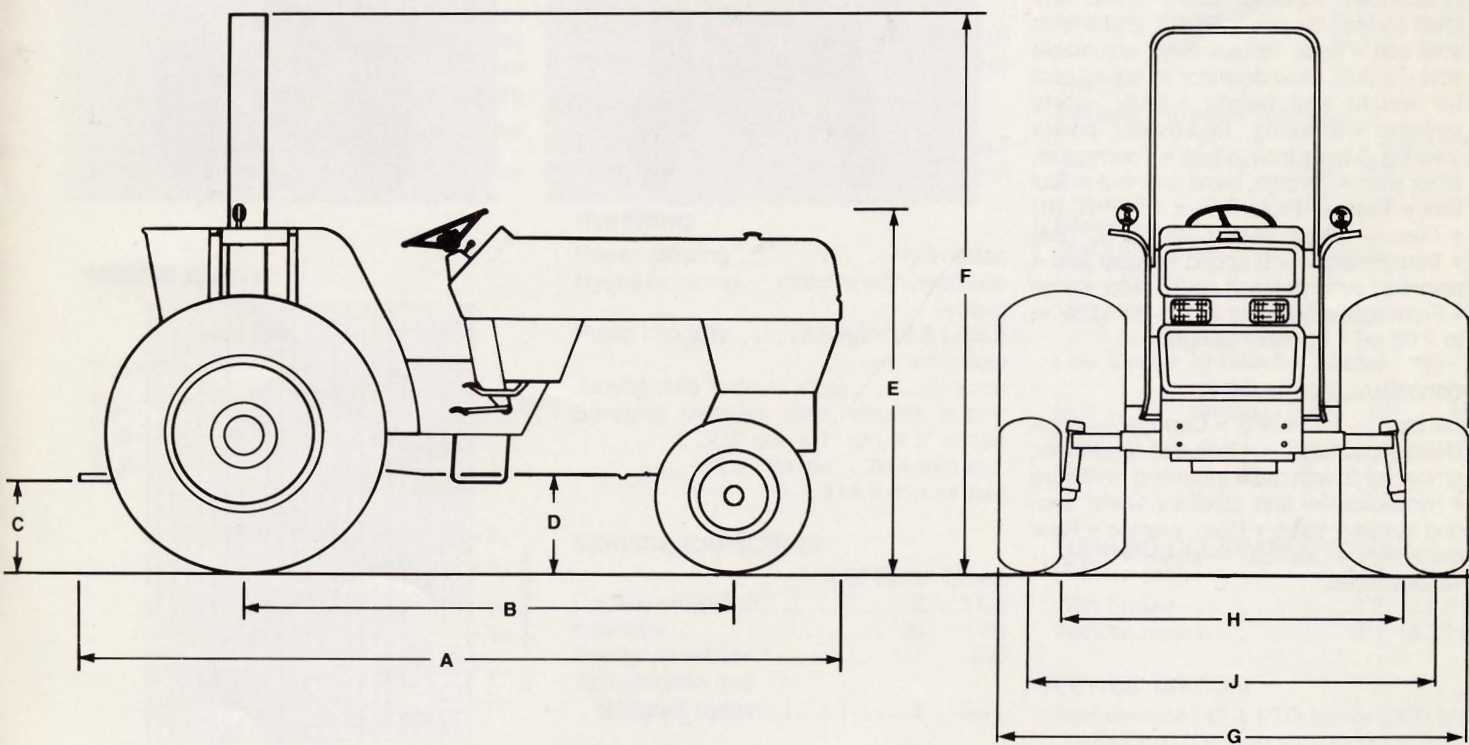
Drawbar height..... 9.1" (231 mm)

Front wheel tread..... 4'8" to 6'4"

(1.42 m to 1.93 m)

Rear wheel tread..... 5'4" (1.63 m)

Wheelbase 6'6" (1.98 m)



Model	A	B	C	D	E	F	G	H	J
	Overall Length	Wheel-base	Drawbar Height	Under Frame Clearance	Height to top of steering wheel	Height to top of ROPS	Overall Width	Rear tread Width	Front tread Width Min/Max
380B** LCG	11'7" (3.53 m)	6'6" (1.98 m)	9.1" (231 mm)	10.3" (262 mm)	4'8.5" (1.44 m)	7'5" (2.26 m)	83" (2.1 m)	5'4" (1.63 m)	4'8" to 6'4" (1.42 m to 1.93 m)

**Tractor equipped with 18.4 x 16.1 R3 6PR rear tire and 9.00 x 10 8PR front tire.

GENERAL PURPOSE TRACTOR

STANDARD EQUIPMENT

Anti-freeze solution to 0°F (-18°C) • Air cleaner system, dry type, 2 stage with restriction indicator light • Alternator, 45 amp • Brakes, independent rear steering and parking • Clutch, 11" (279 mm) dia, dry clutch, single plate • Differential lock, mechanical, pedal operated • Drawbar, swinging, center, non-extendable • Engine, 3-cylinder, diesel, 179 in³ (2933 cm³) • Fenders, crown • Fuel tank location, behind operator • Hitch, Category I and II with outside check chains • Hood has easy to remove access panel • Hydraulic, open center single 15.4 gpm (58.3 L/min) pump system • Instrumentation: tachometer, hourmeter, water temperature and fuel gauges. Lights for oil pressure, alternator, air restriction and parking brake. All instruments and lights have identifying symbols • Lights, 2 front mounted sealed beam headlights with combination rear working and tail light with combined front and rear flasher warning lights and turn signals • Platform, straddle-mounted floor boards • PTO, single speed 540 rpm, independent running, safety shield and shaft protective cover • ROPS, 2-post with seat belt • Seat, deluxe vinyl, adjustable seat controls allow operator to adjust seat for weight and height • SMV safety emblem • Steering, hydrostatic power steering, 3 turns lock to lock • Thermostat, ether start • Throttle, hand and foot • Tool Box • Tires — Front 7.50 x 16, 6PR, (I1) • Tires — Rear 14.9 x 24, 6PR, (R4) • Transmission — 8 speed forward and 4 reverse, synchromesh with hi-lo range • Front axle-adjustable 52" to 80" (1.32 m to 2.03 m) • Muffler - upright.

OPTIONAL EQUIPMENT

Canopy — for ROPS • Canopy — completing package — includes headliner, amber lights with radio mounting hardware • Hydraulics — first auxiliary valve, second auxiliary valve • Horn, electric • Rear brake light • Drawbar — clevis • Tires — various sizes.



LOW CENTER OF GRAVITY TRACTOR

STANDARD EQUIPMENT

Anti-freeze solution to 0°F (-18°C) • Air cleaner system, dry type, 2 stage with restriction indicator light • Alternator, 45 amp • Brakes, independent rear steering and parking • Clutch, 11" (279 mm) dia, dry clutch, single plate • Differential lock, mechanical, pedal operated • Drawbar, swinging, center, non-extendable • Engine, 3-cylinder, diesel, 179 in³ (2933 cm³) • Fenders, crown • Fuel tank location, behind operator • Hitch, Category I and II with outside check chains • Hood has easy to remove access panel • Hydraulic, open center single 15.4 gpm (58.3 L/min) pump system • Instrumentation: tachometer, hourmeter, water temperature and fuel gauges. Lights for oil pressure, alternator, air restriction and parking brake. All instruments and lights have identifying symbols • Lights, 2 front mounted sealed beam headlights with combination rear working and tail light with combined front and rear flasher warning lights and turn signals • Platform, straddle-mounted floor boards • PTO, single speed 540 rpm, independent running, safety shield and shaft protective cover • ROPS, 2-post with seat belt • Seat, deluxe vinyl, adjustable seat controls allow operator to adjust seat for weight and height • SMV safety emblem • Steering, hydrostatic power steering, 3 turns lock to lock • Thermostat, ether start • Throttle, hand and foot • Tool Box • Tires — Front 9.00 x 10, 8PR, (F3) • Tires — Rear 18.4 x 16.1, 6PR, (R3) • Transmission — 8 speed forward and 4 reverse, synchromesh with hi-lo range • Muffler — under slung • Front axle — adjustable from 56" to 76" (1.42 m to 1.83 m) • Drawbar — clevis.

OPTIONAL EQUIPMENT

Canopy — for ROPS • Canopy — completing package — includes headliner, amber lights with radio mounting hardware • Hydraulics — first auxiliary valve, second auxiliary valve • Horn, electric • Rear brake light.



Sold and serviced by:

NOTE: All specifications are stated in accordance with ICED definitions or 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 to such change. Unit illustrated is equipped with non-standard items.

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