

90 Super M

SERIES 3 LOADER/BACKHOE TIER III CERTIFIED

ENGINE

Model	Case Family IV /E3 diesel. Tier III certified	
Туре	4-stroke, turbocharged	
Cylinders	4	
Bore/Stroke	4.09 in x 5.19 in (104 x 132 mm)	
Displacement	274 in³ (4.5 L)	
Fuel injection	Direct high pressure common rail	
Fuel	Diesel	
Primary fuel filter	5 micron	
Secondary fuel filter 30 micron w/wate	r r trap and indicating lamp	
Air intake	Cross-flow	
Cooling	Liquid	
Engine speeds* (rpr Rated speed, full Low idle High idle, no load	,	
Horsepower		
Gross Net	110 (82 kW) @ 2200 rpm 108 (81 kW) @ 2200 rpm	
Maximum torque @	1400 rpm	
Gross Net	381 lb·ft (516 N·m) 372 lb·ft (505 N·m)	
Torque rise at rated	speed 45%	

NOTE: *Engine speeds with standard transmission. Meets federal emission regulations.

ENGINE COOLING		
Radiator		
Core type	Square wave	
Core size area	487 in² (.315 m²)	
Rows of tubes	5	
Fan		
Style	Viscous 9 blade suction	
Diameter	19.2 in (488 mm)	
Ratio	1.4:1	
Water pump		
Style	Integral	
Engine oil		
Pump	Deep sump plate cooler	
with pressurized under-piston nozzles		
Pump operating angle ratings		
Side-to-side	Rated 35°	
Fore and aft	Rated 35°	
Oil filtration	Replaceable,	
	full-flow cartridge	

TIRES

Front
2WD – 14.5/75 x 16.1, 10-ply
4WD – 14 x 17.5, 10-ply
Rear
2/4WD - 21L x 24, 10-ply

POWERTRAIN

Transmission

4-speed synchromesh with hydraulically actuated clutches and electric F/R shuttle control, clutch disconnect buttons on the transmission shifter and loader control lever

Gear ratios	Forward	Reverse
1st	5.603	4.643
2nd	3.481	2.884
3rd	1.584	1.313
4th	0.793	0.657

Torque converter

Ratio	2.64
Differential lock	On-the-go

	push-button activation
Front 4WD axle	
Differential ratio	2.130
Planetary hub ratio	6.0
Total reduction ratio	12.78

Rear axle	
Differential ratio	2.5
Planetary hub ratio	6.4
Total reduction ratio	16.0

Service brakes

Individually applied, power assisted, hydraulically actuated, maintenance-free, self-adjusting, outboard mounted, wet disc, 2 per side

Disc area	384 in² (.25 m²)

Parking brakes

Spring applied hydraulic release (SAHR)

Travel	speeds -	mph	(km/h
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	1st	2nd	3rd	4th
Forward	3.9	6.2	13.4	24.6
	(6.3)	(10.0)	(21.6)	(39.5)
Reverse	4.7	7.4	16.1	29.5
	(7.5)	(12.0)	(25.9)	(47.4)

NOTE: Travel speeds at 2278 engine rpm.

ELECTRICAL

Voltage	12 volts, negative ground
Alternator	90 amp
Battery	850 cold-cranking amps
Optional batteries	(2) 850
	cold-cranking amps
Power plugs	(2) 30 amps ea.

HYDRAULICS

Gear-type tandem, transmission driven coupled directly to engine

Main relief pressure

3050 + 50 - 50 psi @ 42.5 gpm (210 + 3 - 3 bar @ 161 L/min)

Filtration

7-micron, full flow replaceable cartridge on return line, condition indicator light for filter

Oil cooler	Heavy-duty
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Loader flow @ rated engine rpm

31.5 gpm @ 3050 psi (119 L/min @ 210 bar)

Loader control valve

Monoblock single lever control for lift, tilt and auxiliary hydraulics, positive hold float and return-to-dig

Loader auxiliary hydraulics with proportional thumb switch w/detent on loader control handle 0 to 31.5 gpm (0 to 119 L/min)

Backhoe flow @ rated engine rpm

42.5 gpm @ 3050 psi (161 L/min @ 210 bar)

Manual Backhoe Controls

Backhoe Control Valve

Monoblock open-center, parallel circuits. Boom and dipper, with pilot operated checks

Backhoe auxiliary hydraulics

Uni-directional flow, adjustable variable flow from 0 to 36 gpm (136 L/min)

Control operation

Manual Foot switch activated

Bi-Directional flow, variable flow from 0 to 42.5 gpm (161 L/min) @ rated engine rpm

Control operation

Manual Hand lever

OPERATOR ENVIRONMENT

ROPS/FOPS canopy
Key start
Hydrostatic steering
Vinyl air suspension seat w/180° swivel
Seat turn around idle
Electronic hand and foot throttles
Ergonomic loader control lever w/push-button activation of differential lock and transmission

de-clutch

Backhoe foot-swing w/3 lever control

(2) Accessory power plugs (30 amp)

Anti-vandalism covers (canopy only)

Cup holder

Coat hook w/tether strap (cab only)

Interior rearview mirror

2 in (51 mm) retractable seat belt

Storage compartment w/lid

Left side storage tray

INSTRUMENTATION

Vehicle Control Module w/menu driven options and onboard diagnostics

Cruise control

Foot throttle sensitivity

Cold weather idle settings

Maintenance settings

Gauges

Engine water temperature

Converter oil temperature

Fuel

Tachometer/hourmeter

Voltmeter

Warning lights

Air cleaner restriction

Alternator

A/C high pressure

Cold start

Engine oil pressure

Hydraulic oil filter bypass

Parking brake

Low fuel

Audible alarms w/diagnostics

Coolant temperature

Engine oil pressure

Parking brake engagement

Shuttle engagement/seat position

Backup alarm

Transmission temperature

Water in fuel filter

Battery voltage

Low fuel

Air filter restriction

Hydraulic filter restriction

A/C not functioning

Horn - dual switched front & rear

TURNING DIAMETER

2WD	
Brakes on	25 ft 04 in (7.63 m)
Brakes off	25 ft 11 in (7.90 m)
4WD - engaged	
Brakes on	26 ft 5 in (8.04 m)
Brakes off	29 ft 10 in (9.08 m)
4WD - disengaged	
Brakes on	24 ft 8 in (7.51 m)
Brakes off	25 ft 6 in (7.78 m)

NOTE: Turning diameter dimensions curb to curb w/general purpose bucket.

OPERATING WEIGHTS

Lightest Configuration

Unit equipped with 2WD, ROPS canopy, vinyl air suspension seat, 93 in (2.36 m) general purpose loader bucket, 24 in (610 mm) Universal backhoe bucket, standard dipperstick, 21L x 24 rear tires, 14.5/75 x 16.1 front tires, single battery, flip over stabilizer pads,

15,268 lb (6926 kg) no operator

Heavy Configuration

Unit equipped with 4WD, cab, cloth air suspension seat, 93 in (2.36 m) 4 IN 1® loader bucket, 24 in (610 mm) Universal backhoe bucket, Extendahoe® dipperstick, dual batteries, flip stabilizer pads,

19,578 lb (8881 kg) no operator

Add-on weights Cab (over canopy)

Fuel tank

Cab (over canopy)	+454 lb (206 kg)
Counterweights	+440 lb (200 kg) +900 lb (408 kg)
Extendahoe®	+270 lb (122 kg)
4WD w/driveshaft guard	+393 lb (178 kg)

42 0 gal (150 L)

SERVICE CAPACITIES

Fuel tank	42.0 gai (159 L)
Hydraulic system	
Total	32.2 gal (122 L)
Total w/Extendahoe®	33.7 gal (127.6 L)
Reservoir w/filter	12.5 gal (47.1 L)
Reservoir w/o filter	12.0 gal (45.2 L)
Transmission	
2WD Total system	18 qt (17 L)
4WD Total system	20.5 qt (19.4 L)
4WD Front axle	
Differential	7.1 qt (6.7 L)
Planetaries (each)	.63 qt (.6 L)
Rear axle	
Differential and planetaries	19.7 qt (18.6 L)
Engine oil w/filter	14.4 qt (13.6 L)
Cooling system	
w/heater	19.0 qt (18.0 L)
w/o heater	18.3 qt (17.3 L)
Window washer reservoir	3.5 qt
	(3.3 L)

LOADER

Single-lever control for lift and tilt
Positive hold float
Return-to-dig
Automatic self-leveling
In-line, reverse linkage
Dual parallel dump cylinders
Clutch disconnect button on loader control and shift levers

Bucket position indicator Loader Bucket Sizes

Width	Weight	Struck	Heaped
	General I	Purpose Bu	cket

(w/ lift points and bolt-on cutting edge)					
Width Weight Struck Heaped					
93 in	1,123 lb	1.1 yd³	1.3 yd³		
(2.36 m)	(509 kg)	(0.84 m ³)	(1.0 m³)		
96 in	1,324 lb	1.27 yd³	1.5 yd³		
(2.44 m)	(601 kg)	(0.97 m ³)	(1.15 m³)		
	4 IN 1	[®] Bucket			
93 in (2.36 m)	1,628 lb (738 kg)	1.0 yd³ (0.76 m³)	1.2 yd³ (0.92 m³)		
	<u> </u>				

BACKHOE

Over-center design

Cast, ductile iron boom, and swing tower

Open-center hydraulics - Pro Control System

17, 940 lb·ft (24 370 N·m) swing torque

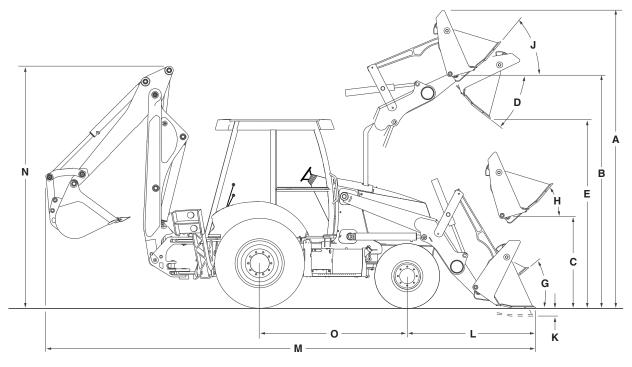
Case attachment coupler

Foot-swing w/3 lever control

Wing stabilizers w/flip over dirt pad

Backhoe Bucket Sizes

Width	Weight Heaped				
	Universal Buckets				
12 in	290 lb	3.40 ft ³			
(305 mm)	(132 kg)	(0.10 m ³)			
16 in	346 lb	3.60 ft ³			
(406 mm)	(157 kg)	(0.10 m ³)			
18 in	350 lb	5.30 ft ³			
(457 mm)	(159 kg)	(0.15 m ³)			
24 in	413 lb	7.70 ft ³			
(610 mm)	(187 kg)	(0.22 m ³)			
30 in (762 mm)	475 lb (215 kg)	10.20 ft ³ (0.29 m ³)			
36 in (914 mm)	535 lb (243 kg)	12.70 ft ³ (0.36 m ³)			
	High Capacity Buckets				
24 in	450 lb	8.50 ft ³			
(610 mm)	(204 kg)	(0.24 m ³)			
30 in	517 lb	10.60 ft ³			
(762 mm)	(235 kg)	(0.30 m ³)			



LOADER DIMENSIONS

	General Purpose Bucket*	4 IN 1° Bucket
A. Overall operating height – fully raised	14 ft 2 in (4.32 m)	14 ft 6 in (4.43 m)
Height to –		
Bucket hinge pin fully raised	11 ft 5 in (3.47 m)	11 ft 5 in (3.47 m)
Bucket hinge pin @ SAE carry	13.7 in (349 mm)	14.9 in (379 mm)
Dump angle @ full height	45°	45°
Dump clearance @ full height, 45° dump -		
Bucket	9 ft 0 in (2.75 m)	9 ft 2 in (2.78 m)
Clam open	NA	9 ft 10 in (3.0 m)
Dump reach @ full height, 45° dump -		
Bucket	27.5 in (699 mm)	25.9 in (659 mm)
Clam open	NA	11.5 in (293 mm)
Bucket rollback -		
G. @ groundline	40°	40°
I. @ SAE carry	45°	45°
. @ full height	Adjustable	Adjustable
. Digging depth below grade -		
Bucket flat	3.8 in (96 mm)	4.3 in (109 mm)
Clam open (dozing)	NA	1.7 in (42 mm)
Reach from front axle centerline – bucket on ground	nd 77.6 in (1.97 m)	75.2 in (1.91 m)
Lift capacity to full height	7,327 lb (3323 kg)	7,437 lb (3373 kg)
Breakout force –		
Lift cylinders	10,729 lbf (47 725 N)	10,294 lbf (45 790 N)
Dump cylinders	10,980 lbf (48 841 N)	12,004 lbf (53 396 N)
Bucket cutting edge width	93 in (2.36 m)	93 in (2.36 m)
Maximum grading angle	116°	116°
Maximum clam opening	NA	38.3 in (972 mm)
Moldboard height	NA	36.8 in (934 mm)
Raising time to full height	4.7 sec	4.7 sec
Bucket dumping time	1.2 sec	1.2 sec
Lowering time –		
Power down	2.8 sec	2.8 sec
Return-to-dig	3.1 sec	3.1 sec
Clam –		
Open time	NA	2.3 sec
Close time	NA	2.3 sec

NOTE: Loader dimensions taken with 4WD.

DIMENSIONS

	Standard Backhoe	Standard Backhoe Extendahoe®	
		Retracted	Extended
M. Overall transport length –			
General purpose bucket	23 ft 7 in (7.13 m)	23 ft 7 in (7.19 m)	NA
4 IN 1 [®] bucket	22 ft 7 in (6.88 m)	22 ft 8 in (6.91 m)	NA
Overall transport width	7 ft 9 in (2.36 m)	7 ft 9 in (2.36 m)	NA
Height –			
To top of canopy	8 ft 11 in (2.73 m)	8 ft 11 in (2.73 m)	8 ft 11 in (2.73 m)
To top of cab	8 ft 10 in (2.69 m)	8 ft 10 in (2.69 m)	8 ft 10 in (2.69 m)
To top of exhaust stack	8 ft 7 in (2.62 m)	8 ft 7 in (2.62 m)	8 ft 7 in (2.62 m)
N. Transport	11 ft 2 in (3.41 m)	11 ft 7 in (3.54 m)	NÁ
Ground clearance at backhoe frame	14.6 in (371 mm)	14.8 in (375 mm)	14.8 in (375 mm)
Angle of departure	23°	23°	23°
Front wheel tread –			
2WD	72.6 in (1.84 m)	72.6 in (1.84 m)	NA
4WD	73.4 in (1.86 m)	73.4 in (1.86 m)	NA
Rear wheel tread	69.9 in (1.78 m)	69.9 in (1.78 m)	NA
O. Wheelbase -			
2WD	84 in (2.13 m)	84 in (2.13 m)	NA
4WD	84.5 in (2.15 m)	84.5 in (2.15 m)	NA

NOTE: Dimensions taken with 21L x 24 rear tires and 14.5/75L x 16.1 front tires except that data marked 4WD is taken with 14 x 17.5 front tires.

CYLINDERS

	Bore Diameter	Rod Diameter	Stroke	
oader				
Lift (2)	3.5 in (89 mm)	1.75 in (44.5 mm)	30.2 in (766 mm)	
Bucket (2)	3.25 in (83 mm)	1.75 in (44.5 mm)	20.6 in (522 mm)	
4 IN 1 [®] clam (2)	3.0 in (76 mm)	1.75 in (44.5 mm)	9.1 in (231 mm)	
ackhoe				
Boom	5.5 in (139.7 mm)	2.5 in (63 mm)	38.4 in (976 mm)	
Dipperstick	5.5 in (139.7 mm)	2.75 in (69.9 mm)	22.2 in (564.2 mm)	
Bucket	3.75 in (95 mm)	2.75 in (69.9 mm)	34.3 in (872 mm)	
Extendahoe®	3.0 in (76 mm)	1.75 in (44.5 mm)	48.0 in (1.22 m)	
Swing (2)	4.0 in (101.6 mm)	2.0 in (50.8 mm)	11.5 in (292 mm)	
Stabilizer (2)	5.0 in (127 mm)	2.25 in (57.2 mm)	20.4 in (519.4 mm)	
teering				
2WD	2.75 in (69.9 mm)	1.5 in (38.1 mm)	6.7 in (170 mm)	
4WD	2.48 in (63 mm)	1.5 in (38.1 mm)	9.53 in (242 mm)	

BACKHOE LIFT CAPACITIES

Standard Backhoe			Extendahoe®			
			Retracted		Extended	
Boom Lift	Distance from swing pivot (m)	Backhoe lift capacity – lb (kg)	Distance from swing pivot (m)	Backhoe lift capacity – lb (kg)	Distance from swing pivot (m)	Backhoe lift capacity – lb (kg)
+18 ft (5.48 m)						1,940 (880)
+16 ft (4.87 m)		2,870 (1302)			13 ft 6 in (4.11)	2,200 (998)
+14 ft (4.27 m)	9 ft 9 in (2.97)	3,590 (1628)	10 ft 8 in (3.25)	3,310 (1501)	15 ft 5 in (4.70)	2,300 (1043)
+12 ft (3.66 m)	12 ft 1 in (3.69)	3,670 (1665)	12 ft 9 in (3.89)	3,280 (1488)	16 ft 10 in (5.13)	2,420 (1098)
+10 ft (3.05 m)	13 ft 8 in (4.16)	3,670 (1665)	14 ft 2 in (4.32)	3,410 (1547)	17 ft 11 in (5.46)	2,370 (1075)
+8 ft (2.44 m)	14 ft 8 in (4.47)	3,620 (1642)	15 ft 2 in (4.62)	3,330 (1510)	18 ft 9 in (5.72)	2,420 (1098)
+6 ft (1.83 m)	15 ft 3 in (4.65)	3,550 (1610)	15 ft 11 in (4.85)	3,390 (1538)	19 ft 3 in (5.87)	2,420 (1098)
+4 ft (1.22 m)	15 ft 8 in (4.77)	3,460 (1569)	16 ft 3 in (4.96)	3,280 (1488)	19 ft 7 in (5.97)	2,310 (1048)
+2 ft (0.61 m)	15 ft 10 in (4.82)	3,370 (1529)	16 ft 4 in (4.98)	3,210 (1456)	19 ft 8 in (5.99)	2,290 (1039)
Ground Level	15 ft 7 in (4.75)	3,330 (1510)	16 ft 1 in (4.91)	3,120 (1415)	19 ft 6 in ft (5.94)	2,260 (1025)
-2 ft (0.61 m)	15 ft 1 in (4.60)	3,250 (1474)	15 ft 8 in (4.77)	3,010 (1365)	19 ft 2 in (5.84)	2,230 (1012)
-4 ft (1.22 m)	14 ft 4 in (4.37)	3,110 (1411)	14 ft 11 in (4.55)	2,950 (1338)	18 ft 6 in (5.64)	2,220 (1007)
-6 ft (1.83 m)	13 ft 2 in (4.01)	3,040 (1379)	13 ft 9 in (4.19)	2,850 (1293)	17 ft 8 in (5.38)	2,140 (971)
-8 ft (2.44 m)	11 ft 5 in (3.48)	2,960 (1343)	12 ft 2 in (3.71)	2,840 (1288)	16 ft 6 in (5.03)	2,110 (957)
-10 ft ft (3.05 m)	8 ft 9 in (2.67)	2,960 (1343)	9 ft 10 in (2.99)	2,810 (1275)	14 ft 10 in (4.52)	2,090 (948)
-12 ft (3.66 m)		2,930 (1329)	5 ft 8 in (1.72)	2,880 (1306)	12 ft 9 in (3.89)	2,180 (989)
-14 ft (4.27 m)					9 ft 9 in (2.97)	2,240 (1016)
-15 ft (4.57 m)					6 ft 0 in (1.83)	2,490 (1129)
Dipper Lift						
+16 ft (4.87 m)					12 ft 10 in (3.91)	2,810 (1275)
+14 ft (4.27 m)	9 ft 5 in (2.87)	4,800 (2177)	10 ft 2 in (3.10)	4,850 (2200)	14 ft 0 in (4.27)	2,940 (1334)
+12 ft (3.66 m)	10 ft 7 in (3.23)	5,290 (2399)	11 ft 2 in (3.40)	5,310 (2409)	14 ft 7 in (4.45)	3,080 (1397)
+10 ft (3.05 m)	11 ft 0 in (3.35)	5,580 (2531)	11 ft 6 in (3.50)	5,510 (2500)	14 ft 9 in (4.50)	3,100 (1406)
+8 ft (2.44 m)	10 ft 7 in (3.23)	5,750 (2608)	11 ft 2 in (3.40)	5,720 (2595)	14 ft 8 in (4.47)	3,150 (1429)
+6 ft (1.83 m)	9 ft 4 in (2.84)	5,630 (2554)	10 ft 1 in (3.08)	5,740 (2604)	14 ft 0 in (4.27)	3,190 (1447)
+4 ft (1.22 m)	6 ft 0 in (1.83)	6,490 (2944)	7 ft 4 in (2.23)	6,590 (2989)	12 ft 9 in (3.89)	3,290 (1492)

BACKHOE OPERATIONAL DATA

		Extendahoe®	
	Standard Backhoe	Retracted	Extended
Digging depth –			
Maximum	15 ft 11 in (4.85 m)	15 ft 11 in (4.85 m)	19 ft 11 in (6.07 m)
Maximum w/hi-capacity bucket	16 ft 4 in (4.98 m)	16 ft 4 in (4.98 m)	20 ft 4 in (6.20 m)
2 ft (610 mm) flat bottom	15 ft 10 in (4.83 m)	15 ft 10 in (4.83 m)	19 ft 10 in (6.05 m)
8 ft (2.44 m) flat bottom	14 ft 11 in (4.55 m)	14 ft 11 in (4.55 m)	19 ft 2 in (5.84 m)
Overall reach from -			
Rear axle centerline	23 ft 3 in (7.09 m)	23 ft 3 in (7.09 m)	27 ft 2 in (8.28 m)
Swing pivot	19 ft 8 in (5.99 m)	19 ft 8 in (5.99 m)	23 ft 7 in (7.19 m)
Loading height	11 ft 5 in (3.48 m)	11 ft 5 in (3.48 m)	13 ft 9 in (4.19 m)
Loading reach – dipper retracted	9 ft 6 in (2.90 m)	9 ft 6 in (2.90 m)	12 ft 9 in (3.89 m)
Swing arc 1	80°	180°	180°
Bucket rotation -			
#1 position	164°	164°	164°
#2 position	200°	190°	190°
Stabilizer spread – operating Digging force –	11 ft 1 in (3.38 m)	11 ft 1 in (3.38 m)	11 ft 1 in (3.38 m)
Bucket cylinder	14,718 lbf (65 469 N)	14,718 lbf (65 469 N)	14,718 lbf (65 469 N)
Dipper cylinder	8,449 lbf (37 583 N)	8,449 lbf (37 583 N)	5,999 lbf (26 685 N)
	w/bucket @ 50°	w/bucket @ 50°	w/bucket @ 51°
Leveling angle			
maximum slope that backhoe			
will make vertical cut	12°	12°	12°

NOTE: Lift capacities apply straight to the rear of prime mover. Equipped with 24 in (610 mm) Universal H.D. trenching bucket and Case coupler except as noted.

STANDARD EQUIPMENT

OPERATOR'S COMPARTMENT

See page 2

ENGINE

Case Family IV 445TA/E3 internal EGR turbocharged diesel

Tier III certified

Integral crank driven balancer

Automatic fan belt tensioner

Viscous fan drive

Integral engine oil cooling

Primary 5 micron fuel filter

Secondary 30 micron fuel filter w/ water trap

Dual element air cleaner with integral

pre-cleaner

90 amp alternator

850 CCA 12-volt battery

Heavy-duty radiator w/deaeration bottle

Non-spark-arresting muffler

Aspirated air cleaner

Swing out fuel cooler

LOADER

See page 2

BACKHOE

See page 2

POWERTRAIN

2WD

4F/4R Power shuttle synchromesh transmission

Torque converter

Transmission de-clutch

Electro-hydraulic differential lock

Hydrostatic steering

Outboard wet disc brakes

Remote lube front axle pivot

HYDRAULICS

2-spool loader control valve

6-spool backhoe control valve

Heavy-duty oil cooler

OTHER

Forward tilt engine hood

Replaceable, molded front bumpers

Front/rear tie downs

Reflective logos

Lights - Cab and Canopy

- (2) Rear tail/stop
- (2) Front flashers/turn
- (2) Rear flashers/turn
- (2) Front & 4 rear adjustable halogen lights (55 w)

OPTIONAL EQUIPMENT

OPERATOR'S COMPARTMENT

Cab with -

Air-conditioning, 100% filtered air, in-cab filter access, 8 adjustable roof vents, 2 floor vents, w/heater

Defroster

Dome light - door activated

Wipers, front and rear

Tinted glass

Floor mat

Tilt wheel

Side window partial hold open

Inside release for side windows

Cab Convenience Package

Vinyl-covered interior

Reduced sound level to 72 dB(A)

Radio-ready kit w/antenna and speakers

Windshield washer w/adjustable nozzles (front & rear)

Sun visor

PI US

Vinyl or cloth-covered mechanical

suspension seat

Air Ride suspension seat

Form No. CCE1300804

Replaces form no. CCE1200505

3 in (76 mm) retractable seat belt

Swing out condenser and fuel cooler

Ride Control

Cab, right door (only w/AC)

Canopy Convenience Package

Front windshield w/wiper & washer

85 dB(A) sound

Floor mat

Sun visor

LOADER

Hydraulic attachment coupler

Attachment auxiliary hydraulics

3-spool valve hydraulics w/ thumb controlled electro hydraulic switch w/detent

Buckets (see page 2)

BACKHOE

Case integrated hydraulic coupler

Buckets (see page 2)

Two-lever control

Front counterweights

440 lb (200 kg) 900 lb (408 kg) **ENGINE**

Cold weather grid heater starting aid w/dual 12-volt 850 CCA batteries

Spark arresting muffler

POWERTRAIN

4 WD w/outboard planetary drive, on-the-go push -button activation and 14 x 17.5 front tires Comfort Steer

HYDRAULICS

Auxiliary backhoe uni-directional hydraulics Auxiliary backhoe bi-directional hydraulics

Hand lever operated for manual controls
Button operated for pilot controls

OTHER

Tool box

Special paint

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

NOTE: All engines meet current EPA emissions requirements.

IMPORTANT: Case Construction Equipment Inc. reserves the right to change these specifications without notice and without incurring any obligation relating to such change. Case Construction Equipment Inc. does not warrant the safety or reliability of attachments from other manufacturers.

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