CASE CONSTRUCTION 580N LOADER / BACKHOE TIER 4 INTERIM CERTIFIED

ENGINE

Model	Case F5C, Tier 4 Interim Emissions Certified
Type	Diesel 4-stroke, turbocharged
Cylinders	4
Bore/Stroke	3.90 x 4.33 in (99 x 110 mm)
Displacement	207 in³ (3.4 L)
Fuel injection	Direct, high pressure common rail – HPCR
Fuel	Diesel
Fuel filter	w/ water trap
Air intake	Cross-flow
Cooling	Liquid
Engine speeds*	RPM
Rated speed – full load	2200
Low idle	875 – 1025
High idle – no load	2300 – 2450
Horsepower @ 2200 RPM:	
Gross	85 hp (63 kW)
Net w/ viscous fan**	83 hp (62 kW)
Net	78 hp (59 kW)
Maximum torque @ 1400 RPM:	
Gross	276 lb·ft (374 N·m)
Net w/ viscous fan	274 lb·ft (372 N·m)
Net	268 lb·ft (364 N·m)
Torque rise at rated speed	36%
Radiator:	
Core type	Square wave
Core size area	486 in² (3145 cm²)
Rows of tubes	4
39 degree fan:	
Style	7 blade suction
Diameter	19.65 in (499 mm)
Ratio	1.1:1
Water pump style	Integral
Engine oil pump: Deep sump plate cooler w/ pressurized under-piston nozzles	
Pump operating angle ratings:	
Side to side	Rated 35°
Fore and aft	Rated 35°
Oil filtration	Replaceable, full flow spin on

NOTE: *Meets federal emission regulations.
**Viscous fan included w/ Cab Convenience package.

POWERTRAIN

Transmission – standard:
4F-4R Power Shuttle Synchromesh Transmission manual gear shift, fully synchronized

Transmission – optional:
Powershift S-Type, 4F-3R fully synchronized

Specifications below apply to both Power Shuttle and Powershift S-Type transmission unless otherwise indicated.

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

Travel speeds	Forward mph (kph)	Reverse mph (kph)
1st	3.8 (6.1)	4.5 (7.3)
2nd	6.1 (9.8)	7.3 (11.7)
3rd	12.9 (20.8)	15.5 (24.9)
4th	24.3 (39.1)	29.1 (46.9)*

NOTE: Travel speeds at 2293 engine RPM w/ 19.5 L x 24.0 tires. Speeds decrease w/ 17.5 L x 24.0 rear tires.
*4R not available on Powershift S-Type.

Torque converter ratio	3.2
Differential lock	On-the-go push-button activation
Front 4WD/Rear axle:	
Differential ratio	2.0/2.5
Planetary hub ratio	6.0/6.4
Total reduction ratio	12.0/16.0

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

Disc area	384 in² (0.25 m²)
Parking brakes	Trans Mounted spring-applied hydraulic release – SAHR

ELECTRICAL

Voltage	12 Volts, negative ground
Alternator	120 amp
Battery	850 cold-cranking amps
Opt. batteries (2)	850 cold-cranking amps
Power plugs (2)	30 amps total

OPERATOR ENVIRONMENT

ROPS/FOPS certified protective canopy; Anti-vandalism cover for dash – w/ canopy only; Rear fenders extensions; Coat hook w/ garment strap; Interior rearview mirror, convex 3.54 in (90 mm) wide x 10.83 in (275 mm) high; Non-suspension seat – 180° swivel – Vinyl; 2 in (50 mm) retractable seat belt; Cup holder/ storage tray mounted on left-hand fender; Right-hand storage compartment w/ lid.

Gauges:
Engine water temperature; Converter oil temperature; Fuel level; Tachometer/ hourmeter; Voltmeter.

Warning lights:
Air cleaner restriction; Alternator; A/C high pressure; Cold start; Engine oil pressure low; Hydraulic oil filter bypass; Parking brake engagement; Low fuel.

Audible alarms:
Coolant temperature; Engine oil pressure; Parking brake engagement; Shuttle engagement/seat position; Backup.

Horn	dual switched front and rear

OPERATING WEIGHT

Configuration 1 – SAE Transport:

82 in (2.08 m) LL bucket, 2WD, 17.5 L x 24.0 rear tires, standard dipper, 24 in (610 mm) Trenching bucket, standard cast stabilizer pads, ROPS canopy, vinyl-suspension seat, dual battery, no operator, fully fueled:
14,564 lb (6607 kg)

Configuration 2 – SAE Transport:

82 in (2.08 m) bucket, 4WD, 19.5 L x 24.0 rear tires, Extendahoe®, 24 in (0.61 m) HD bucket, flip stabilizer pads, 1,100 lb (500 kg) counterweight, ROPS cab, cloth, air-suspension seat, dual battery, no operator, mechanical backhoe quick coupler and 40 gal (151 L) plastic fuel tank:
17,454 lb (7917 kg)

Add-on weights:

Cab – over canopy	0 lb (0 kg)
Fabricated stabilizer pads	141 lb (64 kg)
Counterweights	700 lb (318 kg)
Extendahoe®	285 lb (129 kg)
4WD w/ driveshaft guard	283 lb (128 kg)
Buckets:	
82 in (2.08 m) 4 IN 1®	1,451 lb (658.0 kg)
82 in (2.08 m) Long Lip	683 lb (310.0 kg)
93 in (2.36 m) Long Lip	1,188 lb (539.0 kg)
24 in (0.61 m) Heavy-Duty Universal:	427 lb (193.5 kg)

HYDRAULICS

Pump:
Parker P330 Single Section Gear Pump

Standard main relief pressure:
3,350 +/- 50 psi @ 28.5 gpm
(231 +/- 3.5 bar @ 108 L/min)

Filtration:
7 micron, return line, full flow, spin on element, condition indicator light for filter.

Oil cooler — Heavy-duty

Loader flow @ rated engine RPM:
28.5 gpm @ 3,000 psi
(108 L/min @ 207 bar)

Loader control valve:
Two- or three-spool open center monoblock valve. Two- and three-spool valves have a single lever manual control for lift and tilt functions. Three-spool valve uses a proportional Electro-Hydraulic control for the auxiliary function. The lift lever has a positive hold "Float" position and a "return-to-dig" feature. System Main Relief valve is single stage w/ Manual Backhoe Controls, dual stage relief valve w/ Pilot Backhoe Controls.

Loader auxiliary hydraulics proportional thumb switch w/ detent on loader control handle.
Loader auxiliary hydraulics w/ full available flow:
0 – 28.5 gpm (0 – 108 L/min)

Backhoe flow @ rated engine RPM:
28.5 gpm @ 3,000 psi
(108 L/min @ 207 bar)

Manual backhoe control valve:
Six- or seven-spool monoblock open center control valve. Features "Pro-Control" which includes custom designed spools for each individual function along w/ "swing cushioning" valve for zero-wag swing control. Basic control valve has an open center parallel circuit for all functions.

Pilot backhoe control valve:
Six-, seven- or eight-spool sectional closed center control valve. Features "Pro-Control" which includes custom designed spools for each individual function along w/ "swing cushioning" valve for zero-wag swing control. Basic control valve is closed center, w/ circuits in parallel w/ a post-compensated, flow sharing feature for simultaneous operation of all circuits.

Unidirectional Auxiliary Hydraulics:

Unidirectional hydraulic valve is equipped w/ an adjustable LS relief valve to control attachment pressure and a 6 position flow control selector for 6 detented, distinct flow settings.

Actuation:
Manual backhoe controls – cab floor pedal
Pilot controls – left-hand joystick

SERVICE CAPACITY

Fuel tank	42.0 gal (159 L)
Hydraulic system:	
Total	112 qt (106.0 L)
w/ Extendahoe®	118 qt (111.7 L)
Reservoir w/ filter	58 qt (55.0 L)
Reservoir w/o filter	56 qt (53.0 L)
Transmission – total system:	
2WD Standard	18 qt (17.0 L)
2WD Powershift	23 qt (21.7 L)
4WD Standard	21 qt (19.4 L)
4WD Powershift	22 qt (20.7 L)
4WD Front axle:	
Differential	8.1 qt (7.7 L)
Planetaries – each	0.5 qt (0.5 L)
Rear axle:	
Differential and planetaries	14.4 qt (13.6 L)
Engine oil w/ filter	14.4 qt (13.6 L)
Cooling system:	
w/ heater	17.8 qt (16.8 L)
w/o heater	17.0 qt (16.1 L)
Window washer reservoir	3.0 qt (2.8 L)

OTHER SPECIFICATIONS

Front tires:	
2WD	11.0 L x 16.0, 10-ply rating
4WD	12.0 L x 16.5, 8-ply rating
Rear tires:	
2/4WD	19.5 L x 24.0, 10-ply rating
2/4WD	17.5 L x 24.0, 10-ply rating
2/4WD	16.9 L x 28.0, 10-ply rating

Loader:
Bucket position indicator; Lifting lugs on standard bucket; Single lever control w/ self-leveling and return-to-dig; Hand operated clutch disconnects on loader and shift levers, single lever 4-function loader control: lift, dump, clutch cut-out, differential lock.

Loader bucket sizes:

Width	Weight	Struck	Heaped
Long Lip Bucket w/o bolt-on edge			
82 in (2.08 m)	683 lb (310 kg)	0.87 yd³ (0.67 m³)	1.03 yd³ (0.79 m³)
93 in (2.36 m)	1,188 lb* (539 kg)	1.07 yd³ (0.82 m³)	1.25 yd³ (0.96 m³)
4 IN 1® Bucket w/ bolt-on edge			
82 in (2.08 m)	1,451 lb* (658 kg)	0.85 yd³ (0.65 m³)	1.04 yd³ (0.80 m³)

NOTE: *Weight of 4 IN 1® bucket includes edges, cylinders and tube lines.

OTHER SPECIFICATIONS (cont.)

Turning diameter*:

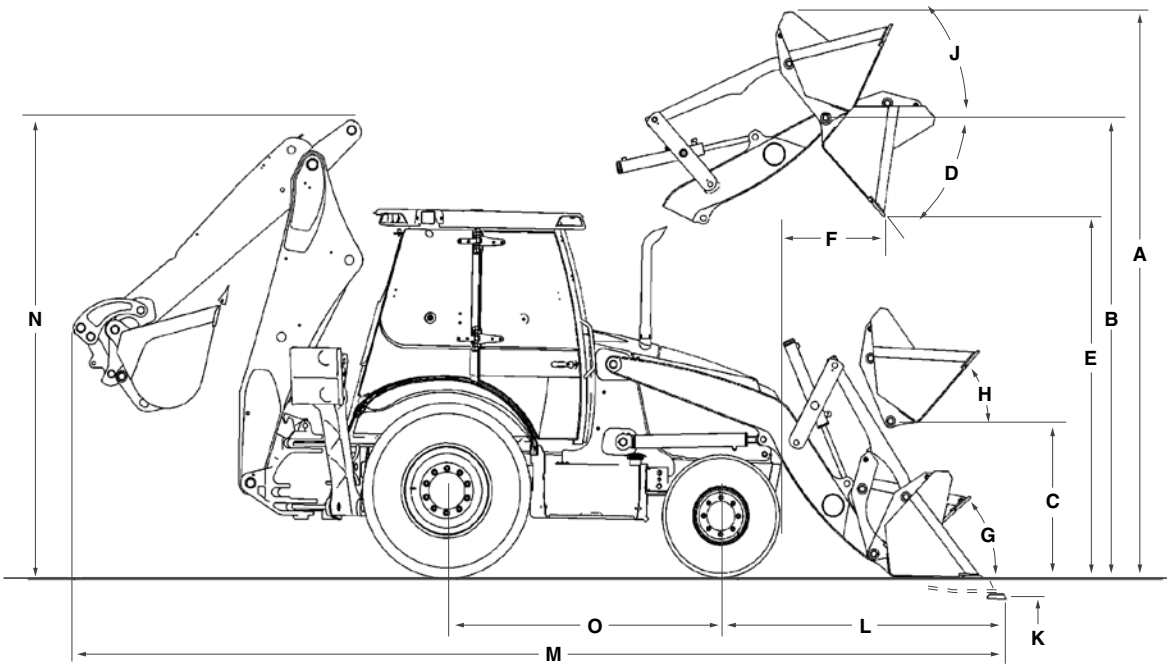
2WD:	
Brakes on	10 ft 8 in (3.24 m)
Brakes off	12 ft 4 in (3.79 m)
4WD – engaged:	
Brakes on	11 ft 4 in (3.45 m)
Brakes off	13 ft 10 in (4.21 m)
4WD – disengaged:	
Brakes on	11 ft 0 in (3.36 m)
Brakes off	12 ft 3 in (3.72 m)

Backhoe:
Over center design, fabricated "S" boom; Open-center hydraulics – pro control system; 15,700 lb·ft (21 297 N·m) swing torque; 198° bucket rotation; Foot-swing w/ 3-lever control; Wing stabilizers w/ cleated dirt pad.

Backhoe bucket sizes:

Width	Weight	Heaped
General Purpose Trenching Buckets		
18 in (457 mm)	231.5 lb (105.0 kg)	4.70 ft³ (0.13 m³)
24 in (610 mm)	272.0 lb (123.4 kg)	6.26 ft³ (0.18 m³)
Universal Buckets		
12 in (305 mm)	294.5 lb (133.6 kg)	3.40 ft³ (0.10 m³)
18 in (457 mm)	356.3 lb (161.6 kg)	5.30 ft³ (0.15 m³)
24 in (610 mm)	426.6 lb (193.5 kg)	7.70 ft³ (0.22 m³)
30 in (762 mm)	489.4 lb (222.0 kg)	10.20 ft³ (0.29 m³)
36 in (914 mm)	552.3 lb (250.5 kg)	12.70 ft³ (0.36 m³)
High Capacity Buckets		
24 in (610 mm)	446.7 lb (202.6 kg)	8.50 ft³ (0.24 m³)

NOTE: *Turning diameter dimensions curb to curb w/ 17.5 L x 24.0 rear tires and 4 IN 1® bucket.



Line drawings are for illustrative purpose only and may not be exact representation of unit.

LOADER DIMENSIONS*

	Long Lip Bucket	4 IN 1® Bucket
A. Overall operating height – fully raised	13 ft 9 in (4.18 m)	13 ft 8 in (4.16 m)
Height to:		
B. Bucket hinge pin fully raised	11 ft 3 in (3.42 m)	11 ft 3 in (3.42 m)
C. Bucket hinge pin at SAE carry	13.6 in (345 mm)	13.6 in (345 mm)
D. Dump angle at full height	47°	47°
E. Dump clearance at full height, 45° dump:		
Bucket	8 ft 10 in (2.69 m)	8 ft 11 in (2.71 m)
Clam open	—	9 ft 8 in (2.96 m)
F. Dump reach at full height, 45° dump:		
Bucket	31.5 in (801 mm)	29.1 in (738 mm)
Clam open	—	15.3 in (388 mm)
Bucket rollback:		
G. @ Groundline	42°	42°
H. @ SAE carry	42°	42°
J. @ Full height	Adjustable	Adjustable
K. Digging depth below grade:		
Bucket flat	6.1 in (155 mm)	4.8 in (122 mm)
Clam open – dozing	—	4.1 in (103 mm)
L. Reach from front axle centerline – bucket on ground	6 ft 1 in (2.08 m)	6 ft 1 in (2.03 m)
Lift capacity to full height	6,803 lb (3086 kg)	6,454 lb (2930 kg)
Breakout force:		
Lift cylinders	9,506 lb (4228 daN)	9,276 lb (4126 daN)
Dump cylinders	10,622 lb (4724 daN)	11,312 lb (5032 daN)
Bucket cutting edge width	82.5 in (2.09 m)	82.0 in (2.08 m)
Maximum grading angle	114°	114°
Maximum clam opening	—	38.3 in (972 mm)
Moldboard height	—	36.8 in (934 mm)
Raising time to full height	4.6 sec	4.6 sec
Bucket dumping time	1.1 sec	1.1 sec
Lowering time:		
Power down	2.6 sec	2.6 sec
Return-to-dig	3.6 sec	3.6 sec
Clam:		
Open time	—	1.0 sec
Close time	—	1.0 sec

NOTE: *Loader dimensions taken with 4WD, 19.5 L x 24.0 rear tires.

DIMENSIONS

	2WD with 19.5 L x 24.0 tires	4WD with 19.5 L x 24.0 tires
M. Overall transport length:		
Long Lip bucket with Quick Coupler	23 ft 5 in (7.14 m)	23 ft 4 in (7.10 m)
4 IN 1® bucket with Quick Coupler	23 ft 3 in (7.07 m)	23 ft 1 in (7.04 m)
Long Lip bucket with Straight Links	23 ft 6 in (7.15 m)	23 ft 4 in (7.12 m)
4 IN 1® bucket with Straight Links	23 ft 3 in (7.09 m)	23 ft 2 in (7.06 m)
Overall transport width – rear tires	6 ft 10 in (2.07 m)	6 ft 10 in (2.07 m)
Height:		
To top of canopy	8 ft 9 in (2.66 m)	8 ft 9 in (2.66 m)
To top of cab	8 ft 11 in (2.72 m)	8 ft 11 in (2.72 m)
To top of exhaust stack	8 ft 7 in (2.62 m)	8 ft 7 in (2.61 m)
N. Transport	10 ft 10 in (3.30 m)	11 ft 1 in (3.37 m)
Ground clearance at backhoe frame	15.0 in (380 mm)	15.0 in (380 mm)
Angle of departure	15.3°	19.0°
Front wheel tread:		
11.0 L x 16.0	67.5 in (1.71 m)	67.5 in (1.71 m)
12.0 L x 16.5	67.7 in (1.72 m)	67.7 in (1.72 m)
Rear wheel tread:		
17.5 L x 24.0	63.1 in (1.60 m)	63.1 in (1.60 m)
19.5 L x 24.0	61.2 in (1.55 m)	61.2 in (1.55 m)
Width over tires:		
11.0 L x 16.0	79.3 in (2.01 m)	79.3 in (2.01 m)
12.0 L x 16.5	81.1 in (2.06 m)	81.1 in (2.06 m)
17.5 L x 24.0	81.7 in (2.07 m)	81.7 in (2.07 m)
19.5 L x 24.0	81.4 in (2.07 m)	81.4 in (2.07 m)
O. Wheelbase	84.0 in (2.13 m)	84.5 in (2.15 m)

CYLINDERS

	Bore Diameter	Rod Diameter	Stroke	Closed Length
Loader:				
Lift (2)	3.25 in (82.6 mm)	1.75 in (44.5 mm)	28.86 in (733.0 mm)	41.81 in (1062.0 mm)
Dump (2)	3.00 in (76.2 mm)	1.50 in (38.1 mm)	20.33 in (516.5 mm)	30.31 in (769.9 mm)
4 IN 1® clam (2)	3.00 in (76.2 mm)	1.75 in (44.5 mm)	9.08 in (230.6 mm)	19.62 in (498.3 mm)
Backhoe:				
Boom	4.50 in (114.3 mm)	2.25 in (57.2 mm)	38.22 in (971.5 mm)	52.82 in (1341.6 mm)
Dipperstick	4.25 in (108.0 mm)	2.25 in (57.2 mm)	25.14 in (628.5 mm)	39.65 in (1007.0 mm)
Bucket	3.25 in (82.6 mm)	2.25 in (57.2 mm)	35.35 in (897.9 mm)	48.17 in (1223.6 mm)
Extendahoe®	3.00 in (76.2 mm)	1.75 in (44.5 mm)	42.05 in (1068.0 mm)	56.22 in (1428.0 mm)
Swing (2)	3.75 in (95.3 mm)	2.00 in (50.8 mm)	11.50 in (292.0 mm)	24.44 in (620.8 mm)
Stabilizer (2)	4.25 in (108.0 mm)	2.25 in (57.2 mm)	21.37 in (542.9 mm)	33.87 in (860.2 mm)

AXLE RATINGS

	Front – 2WD	Rear	Front – 4WD
Maximum static	70,821 lb (32 124 kg)	90,145 lb (40 889 kg)	64,613 lb (29 308 kg)
Dynamic operating	44,261 lb (20 076 kg)	56,200 lb (25 492 kg)	39,328 lb (17 839 kg)
Static operating	17,704 lb (8030 kg)	22,480 lb (10 197 kg)	15,732 lb (7136 kg)
Oscillation – front axle	22° total – 11% side to side	—	22° total – 11% side to side

BACKHOE LIFT CAPACITIES

	Standard Backhoe	Extendahoe®	
		Retracted	Extended
Boom Lift	Lift Capacity lb (kg)	Lift Capacity lb (kg)	Lift Capacity lb (kg)
+16 ft (4.87 m)	—	—	1,693 (768)
+14 ft (4.27 m)	2,472 (1121)	2,271 (1030)	1,979 (897)
+12 ft (3.66 m)	2,857 (1296)	2,644 (1199)	2,124 (964)
+10 ft (3.05 m)	2,966 (1345)	2,748 (1246)	2,172 (985)
+8 ft (2.44 m)	2,983 (1353)	2,761 (1252)	2,169 (984)
+6 ft (1.83 m)	2,963 (1344)	2,739 (1242)	2,173 (985)
+4 ft (1.22 m)	2,929 (1329)	2,701 (1225)	2,165 (982)
+2 ft (0.61 m)	2,892 (1312)	2,662 (1207)	2,153 (977)
Ground Level	2,858 (1297)	2,625 (1191)	2,153 (977)
-2 ft (0.61 m)	2,834 (1285)	2,598 (1178)	2,145 (973)
-4 ft (1.22 m)	2,827 (1282)	2,588 (1174)	2,143 (972)
-6 ft (1.83 m)	2,853 (1294)	2,609 (1183)	2,154 (977)
-8 ft (2.44 m)	2,949 (1338)	2,698 (1224)	2,189 (993)
-10 ft (3.05 m)	3,319 (1506)	3,053 (1385)	2,270 (1030)
-12 ft (3.66 m)	—	—	2,429 (1102)
-14 ft (4.27 m)	—	—	3,115 (1413)
Dipper Lift:			
+14 ft (4.27 m)	—	—	3,154 (1431)
+12 ft (3.66 m)	4,343 (1970)	4,139 (1877)	2,981 (1352)
+10 ft (3.05 m)	4,027 (1827)	3,826 (1735)	2,823 (1281)
+8 ft (2.44 m)	4,112 (1865)	3,910 (1774)	2,855 (1295)
+6 ft (1.83 m)	4,563 (2070)	4,357 (1976)	3,010 (1365)
+4 ft (1.22 m)	5,398 (2449)	5,177 (2348)	2,948 (1337)
+2 ft (0.61 m)	—	—	3,486 (1581)

BACKHOE OPERATIONAL DATA

	Standard Backhoe	Extendahoe®	
		Retracted	Extended
Digging depth:			
Maximum	14 ft 10 in (4.50 m)	14 ft 9 in (4.50 m)	18 ft 3 in (5.55 m)
2 ft (610 mm) flat bottom	14 ft 8 in (4.46 m)	14 ft 8 in (4.46 m)	18 ft 1 in (5.52 m)
8 ft (2.44 m) flat bottom	13 ft 8 in (4.16 m)	13 ft 8 in (4.16 m)	17 ft 4 in (5.29 m)
Overall reach from:			
Rear axle centerline	21 ft 11 in (6.68 m)	21 ft 11 in (6.68 m)	25 ft 4 in (7.72 m)
Swing pivot	18 ft 4 in (5.57 m)	18 ft 4 in (5.57 m)	21 ft 8 in (6.60 m)
Loading height	11 ft 9 in (3.59 m)	11 ft 9 in (3.59 m)	14 ft 1 in (4.30 m)
Loading reach – dipper retracted	6 ft 9 in (2.04 m)	6 ft 9 in (2.04 m)	9 ft 4 in (2.84 m)
Swing arc	180°	180°	180°
Bucket rotation:			
Straight links	175.6°	175.6°	175.6°
Mechanical coupler	198.0°	198.0°	198.0°
Stabilizer spread – centers			
Flip pad	9 ft 5 in (2.87 m)	9 ft 5 in (2.87 m)	9 ft 5 in (2.87 m)
Cast Pad	9 ft 9 in (2.97 m)	9 ft 9 in (2.97 m)	9 ft 9 in (2.97 m)
Digging force:			
Bucket cylinder	11,334 lb (50 414 N)	11,334 lb (50 414 N)	11,334 lb (50 414 N)
Dipper cylinder	6,710 lb (29 484 N)	6,710 lb (29 484 N)	4,887 lb (21 738 N)
Leveling angle:			
Flip pad	12.8°	12.8°	12.8°
Cast pad	13.8°	13.8°	13.8°

STANDARD EQUIPMENT

OPERATOR ENVIRONMENT

See page 1

ENGINE

Case F5C diesel

Cooled EGR

Diesel Particulate Filter

Full flow engine oil filter

Air cleaner – replaceable dry type with radial seal

Aspirated air cleaner

Muffler, non spark arresting

Radiator with de-aeration bottle

Antifreeze to -34° F (-37° C)

Throttles, both hand and foot

Self adjusting belt tensioner

Glow plugs cold start

In line fuel strainer

POWERTRAIN

Front axle, as selected:
- 2WD heavy-duty front axle with 11.0 L x 16.0 tires
- 4WD heavy-duty mechanically driven front axle with 12.0 L x 16.5 tires and drive shaft guard

Rear axle:
- 2/4WD heavy-duty outboard planetary drive with 17.5 L x 24.0 tires

4F-4R Power Shuttle Synchromesh transmission

Torque converter – 11.8 in (300 mm)

On-the-go electric 4WD control

Electric F/R shuttle control

Electric differential lock control, push-button activation on the loader control lever

Park brake, spring-applied, hydraulic release – SAHR

HYDRAULICS

Pump 28.5 gal/min @ 3,000 lb/in² (107.9 L/min @ 207 bar)

Heavy-duty hydraulic oil cooler

7 micron, spin on oil filter

LOADER

See page 2

BACKHOE

See page 2

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

Lights – cab only:
- 2 front driving lights – 55 W
- Adjustable halogen work lights – 55 W:
  - 2 front
  - 2 side – left and right
  - 4 rear

Lights – canopy only:
- 2 front driving lights – 55 W
- Adjustable halogen work lights – 55 W:
  - 2 side – left and right
  - 2 rear

OPTIONAL EQUIPMENT

OPERATOR ENVIRONMENT

Auto Ride Control – 4WD models

Standard Ride Control – 2WD models

Comfort Steer with momentary latching switch, two-speed steering pump and 3rd/4th gear cutout

ROPS/FOPS certified protective cab with rear wipers and floor mat

Cab Convenience Package containing pull-down sun visor, window washer – front and rear, left-hand storage tray, deluxe interior package, tilt steering column, Sound Reduction Package for cab models – levels reduced to 72 dB (A), right-hand threshold storage box, viscous fan

Air-conditioning for cab models

Mechanical suspension seat with flip-up armrests, 180° swivel, cloth or vinyl, adjustable seat and weight, backrest angle, lumbar and cushion angle

Air Ride suspension seat with flip-up armrests, 180° swivel

Electric height adjustment, adjustable backrest and lumbar support – cab units cloth, canopy units vinyl

Pull-down sun visor for canopy models

Radio, AM/FM Stereo/WB, MP3 auxiliary input – cab models

3 in (75 mm) seat belt for mechanical and air-suspension seat

ENGINE

Cold Weather Starting Aid with dual 12 Volt batteries

Block heater

POWERTRAIN

Powershift S-Type transmission, 4F-3R fully synchronized, electronic transmission controller and kick down in loader control lever – 2WD or 4WD

Heavy-duty outboard planetary drive without 19.5 L x 24.0 tires

HYDRAULICS

Auxiliary backhoe unidirectional hydraulics

Auxiliary backhoe bidirectional hydraulics: Hand lever operated for manual controls Button operated for pilot controls

LOADER

Auxiliary hydraulics for loader-mounted equipment with thumb-operated proportional control

Hydraulic front quick coupler

Bolt-on cutting edges

Loader linkage without loader bucket

Tool portfolio of additional attachments

Buckets – see page 2

BACKHOE

Auxiliary hydraulics with flow from 0 to 36 gal/min (0 to 136 L/min)

Extendahoe®

Two-lever controls – backhoe or Extendahoe®

Pilot operated control system

- Fingertip proportional Electro-Hydraulic stabilizer controls
- Thumb-operated proportional Electro-Hydraulic Extendahoe® control
- Thumb-operated horn button
- Thumb-operated auxiliary hydraulic control Infinitely adjustable towers
- In-cab switchable “excavator to backhoe” control pattern change

Flip over stabilizer pads

Cemetery/Street pads

Case mechanical quick coupler

Bucket retrofit kits

Buckets – see page 2

OTHER

11.0 L x 16.0 10-ply, 12.0 L x 16.5 8-ply or 17.5 L x 24.0 10-ply front tires

19.5 L x 24.0 10-ply rear tires

Rotating beacon

Special paint

Canopy lights – Additional 2 front and 2 rear halogen lights (55 W)

Tool box – bolt-on, step-mounted

Lift hooks – export

Front counterweights: 700 lb and 1,100 lb (318 kg and 500 kg)

Master disconnect switch and remote jump start terminals

CASE Customer Assistance
866-54-CASE6

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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CASE CONSTRUCTION

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Form No. CCE201305580N
Replaces form no. CCE201207580N

Printed in U.S.A.

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Biodiesel Ready All Case construction equipment is biodiesel ready.