CASE CONSTRUCTION

590SN

BACKHOE LOADER

TIER 4 FINAL CERTIFIED



ENGINE

Model	FPT F5BFL413A
Emissions Certification	Tier 4 Final
Type	Diesel 4-stroke, Turbocharged
Cylinders	4
Bore/Stroke	3.90 x 4.33 in (99 x 110 mm)
Displacement	207 in^3 (3.4 L)
Fuel injection	Direct, high pressure common rail – HPCR
Fuel	Diesel
Engine speeds*	RPM
Rated speed – full load	2200
Low idle	900 – 1000
High idle – no load	2320 – 2430
Horsepower @ 2200 RPM:	
Gross	110 hp (82 kW)
Net	108 hp (81 kW)
Maximum torque @ 1400 RPM:	
Gross	339 lb·ft (460 N·m)
Net	338 lb·ft (459 N·m)
Torque rise at rated speed	29% +/- 5%
Radiator:	
Core type	Square wave
Core size area	486 in^2 (3 145 cm^2)
Rows of tubes	4
Viscous Fan:	
Style	9 blade viscous suction
Diameter	19.68 in (500 mm)
Ratio	1.4:1
Pump operating angle ratings:	
Side to side	Rated 35°
Fore and aft	Rated 35°
Oil filtration	Replaceable, full flow cartridge

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

DRIVETRAIN

Transmission – standard:
PowerDrive H-Type, 4F-4R hydraulic clutch shifting w/ auto shift mode and direct drive

Transmission – standard:
PowerDrive H-Type, 4F-4R hydraulic clutch shifting w/ auto shift mode

Gear ratios	Forward/Reverse
1st	5.533/4.549
2nd	3.359/2.762
3rd	1.533/1.260
4th	0.811/0.667

Travel Speeds – H-Type PowerDrive

DD Transmission	Forward mph (kph)	Reverse mph (kph)
1st	4.0 (6.5)	4.8 (7.7)
2nd	6.6 (10.6)	7.8 (12.6)
3rd w/ DD Feature Off	13.7 (22.0)	16.4 (26.4)
3rd w/ DD	14.4 (23.1)	16.4 (26.4)
4th w/ DD Feature Off	23.0 (37.0)	27.6 (44.4)
4th w/ DD	25.0 (40.2)	27.6 (44.4)

Torque converter ratio	2.2

Differential lock:
On-the-go push-button activation

Front 4WD/Rear axle:	
Differential ratio	2.1/2.5
Planetary hub ratio	6.0/6.4
Total reduction ratio	12.8/16.0

Service brakes:
Individually applied, power assisted, hydraulically actuated, maintenance-free, self-adjusting, outboard mounted, wet disc, 2 per side.
Total disc area 384 in^2 (0.25 m^2)

Parking brakes Trans Mounted
spring-applied hydraulic release – SAHR

NOTE: Travel speeds at 2306 engine RPM specified: w/ 21.0 L x 24.0 tires.

ELECTRICAL

Voltage	12 Volts, negative ground
Alternator	160 amp
Dual batteries:	850 cold-cranking amps each
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 convex mirror; Mechanical suspension seat – 180° swivel – Vinyl; 3 in (76 mm) retractable seat belt; Cup holder/ storage tray mounted on left-hand fender; Right-hand storage compartment w/ lid, tilt-steering wheel on cab models.

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

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

Audible alarms w/ diagnostics:
Coolant temperature; Engine oil pressure; Parking brake engagement; Converter oil temperature; Shuttle engagement/seat position; Backup alarm; Low DEF.

Horn Dual switched front and rear

OPERATING WEIGHT

Configuration – SAE Transport:
No Operator, 4:1 Loader Bucket, E-hoe, Cab w/ Heat and AC, Ride Control, Fully fueled, 24 in HD BH Bucket 4 WD, Boom Guard, 1,100 lb front counterweight, Quick Couple BH, BH aux., Pilot BH Controls, 14-17.5 @ 50 psi front tires, 21 L – 24 @ 28 psi Rear Tires.
21,325 lb (9 673 kg)

Add-on weights:

Cab-over canopy	309 lb (140 kg)
Fabricated stabilizer pads	141 lb (64 kg)

HYDRAULICS

Pump:
Bosch Rexroth Series 31 Variable Displacement Axial Piston Pump, dual mode torque regulation, mode selected by solenoid

Main relief pressure:	
Standard	3,450 +/- 50 psi (238 +/- 3.5 bar)
Power Lift	3,625 +/- 50 psi (250 +/- 3.5 bar)

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

Oil cooler	Heavy-duty

Loader flow @ rated engine RPM:
43 gpm @ 2,340 psi (162.6 L/min @ 161 bar)

Loader control valve w/ pilot or manual backhoe controls:
Two or three-spool closed center sectional control valve. Single lever manual control for lift and tilt functions. The 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.

Loader auxiliary hydraulics w/ proportional thumb switch w/ detent on loader control handle:
0 – 43 gpm (0 – 162.6 L/min)

Backhoe flow @ rated engine RPM:
43 gpm @ 3,100 psi (162.6 L/min @ 214 bar)

Manual backhoe control valve:
Seven-spool monoblock open center control valve w/ eighth spool bolt-on sections. 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:
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.

1-way flow auxiliary hydraulics:
1-way flow 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

2-way flow auxiliary hydraulics:
Actuation:
Activate the 2-way flow switch located on the rear console
Manual shift – 2-way flow linkage on far right of backhoe tower
Pilot controls – left-hand joystick.

SERVICE CAPACITIES

Fuel tank	35.0 gal (132.0 L)
DEF tank	3.6 gal (13.5 L)
Hydraulic system:	
Total	138 qt (130.7 L)
Extendahoe®	144 qt (135.7 L)
Reservoir w/ filter	55 qt (52.4 L)
Reservoir w/o filter	53 qt (50.5 L)
Transmission – total system:	
4WD PowerDrive H-Type	19 qt (18.0 L)
Front axle:	
4WD Differential	9.1 qt (8.6 L)
4WD Planetaries – each	1.1 qt (1.0 L)
Rear axle:	
Differential and planetaries	14.4 qt (13.6 L)
Engine oil w/ filter	8.5 qt (8.0 L)
Cooling system:	
w/ heater	19.0 qt (18.0 L)
w/o heater	18.3 qt (17.3 L)
Window washer reservoir	3.0 qt (2.8 L)

OTHER SPECIFICATIONS

Front tires:	
4WD	14.0 L x 17.5, 10-ply SGL SS
Rear tires:	
4WD	21.0 L x 24.0, 10-ply R4
Turning radius*: Curb to Curb:	
4WD – engaged:	
Brakes on	12 ft 6 in (3.81 m)
Brakes off	14 ft 4 in (4.36 m)
4WD – disengaged:	
Brakes on	11 ft 8 in (3.55 m)
Brakes off	12 ft 8 in (3.86 m)

NOTE: *Turning radius dimensions curb to curb w/ 21.0 L x 24.0 rear tires.

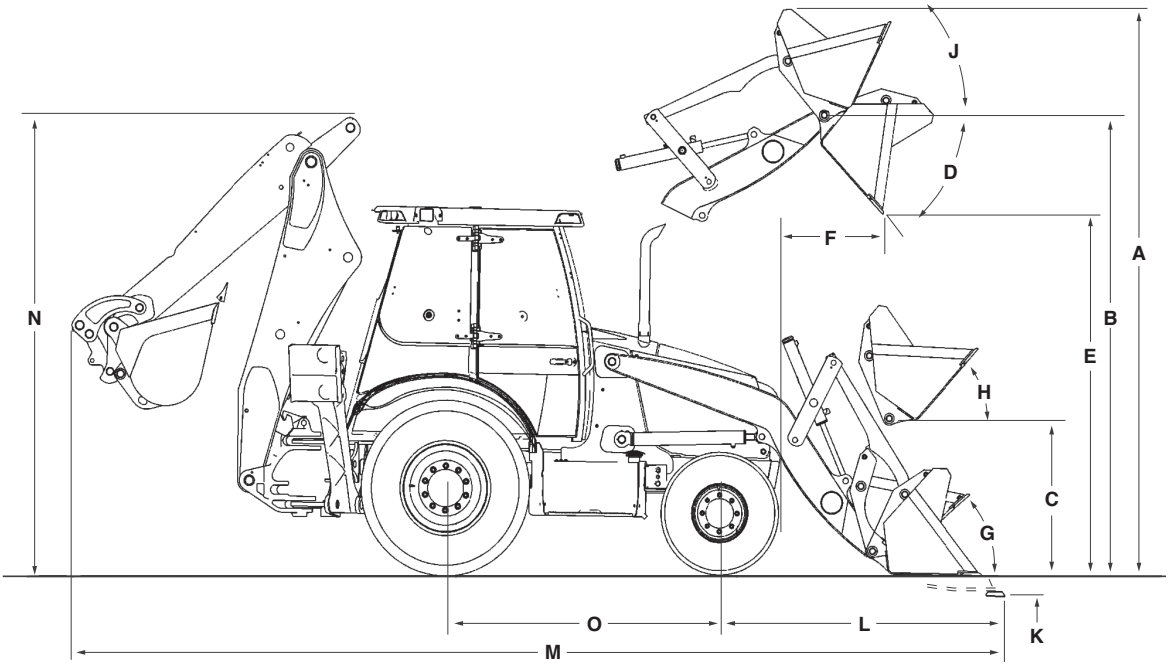
LOADER BUCKET SIZES

Type	Width	Weight	Struck	Heaped Capacity
Long Lip Bucket with lift points and bolt-on cutting edge	93 in (2.36 m)	1,188 lb (539 kg)	1.1 yd^3 (0.84 m^3)	1.3 yd^3 (0.99 m^3)
	96 in (2.44 m)	1,415 lb (642 kg)	1.27 yd^3 (0.97 m^3)	1.5 yd^3 (1.15 m^3)
4 IN 1® Bucket	93 in (2.36 m)	1,685 lb* (764 kg)	1.0 yd^3 (0.76 m^3)	1.20 yd^3 (0.92 m^3)

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

BACKHOE BUCKET SIZES

Type	Width	Weight	Heaped Capacity
Universal Buckets	12 in (305 mm)	295 lb (134 kg)	3.40 ft^3 (0.10 m^3)
	18 in (457 mm)	356 lb (162 kg)	5.30 ft^3 (0.15 m^3)
	24 in (610 mm)	427 lb (194 kg)	7.70 ft^3 (0.22 m^3)
	30 in (762 mm)	489 lb (222 kg)	10.20 ft^3 (0.29 m^3)
	36 in (914 mm)	552 lb (251 kg)	12.70 ft^3 (0.36 m^3)
High Capacity Buckets	24 in (610 mm)	447 lb (203 kg)	8.50 ft^3 (0.24 m^3)
	30 in (762 mm)	502 lb (228 kg)	10.60 ft^3 (0.30 m^3)



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 11 in (4.24 m)	13 ft 10 in (4.22 m)
Height to:		
B. Bucket hinge pin fully raised	11 ft 6 in (3.50 m)	11 ft 6 in (3.50 m)
C. Bucket hinge pin at SAE carry	12.8 in (325 mm)	12.8 in (325 mm)
D. Dump angle at full height	45°	45°
E. Dump clearance at full height, 45° dump:		
Bucket	8 ft 11 in (2.72 m)	9 ft 1 in (2.77 m)
Clam open	—	9 ft 10 in (3.01 m)
F. Dump reach at full height, 45° dump – from bumper:		
Bucket	29.2 in (741 mm)	27.8 in (707 mm)
Clam open	—	13.8 in (351 mm)
Bucket rollback:		
G. @ Groundline	40°	41°
H. @ SAE carry	46°	46°
J. @ Full height	Adjustable	Adjustable
K. Digging depth below grade:		
Bucket flat	6.2 in (157 mm)	5.9 in (150 mm)
Clam open – dozing	—	3.5 in (89 mm)
L. Reach from front axle centerline – bucket on ground	6 ft 7 in (2.05 m)	6 ft 5 in (1.99 m)
Lift capacity to full height – calculated values	8,202 lb (3 721 kg)	7,807 lb (3 541 kg)
Breakout force – calculated values:		
Lift cylinders	11,463 lb (5 099 daN)	11,225 lb (4 993 daN)
Dump cylinders	12,776 lb (5 683 daN)	13,717 lb (6 102 daN)
Bucket cutting edge width	92.7 in (2.36 m)	93.0 in (2.36 m)
Maximum grading angle	106°	106°
Maximum clam opening	—	38.3 in (972 mm)
Moldboard height	—	36.8 in (934 mm)
Raising time to full height	3.7 sec	3.7 sec
Bucket dumping time	2.0 sec	2.0 sec
Lowering time:		
Power down	2.5 sec	2.5 sec
Return-to-dig	3.8 sec	3.8 sec
Clam:		
Open time	—	1.3 sec
Close time	—	1.1 sec

NOTE: Loader dimensions taken with 4WD.

DIMENSIONS

	Extendahoe® Retracted	Extendahoe® Extended
M. Overall transport length:		
Long Lip bucket	23 ft 10 in (7.25 m)	–
4 IN 1® bucket	23 ft 7 in (7.20 m)	–
Overall transport width	7 ft 9 in (2.36 m)	–
Height:		
To top of canopy	8 ft 9 in (2.68 m)	8 ft 9 in (2.68 m)
To top of cab	8 ft 11 in (2.71 m)	8 ft 11 in (2.71 m)
To top of exhaust stack	8 ft 9 in (2.67 m)	8 ft 9 in (2.67 m)
N. Transport	11 ft 8 in (3.54 m)	–
Ground clearance at backhoe frame	14.2 in (360 mm)	14.2 in (360 mm)
Angle of departure	18.7°	18.7°
Front wheel tread:		
14.0 L x 17.5 Industrial Rib	74.3 in (1.89 m)	—
14.0 L x 17.5	74.3 in (1.89 m)	—
Rear wheel tread:		
21.0 L x 24.0	69.6 in (1.77 m)	—
O. Wheelbase:		
2WD	84.0 in (2.13 m)	—
4WD	84.5 in (2.15 m)	—

NOTE: Dimensions taken with 21.0 L x 24.0 rear tires and 14.5/75.0 L x 16.1 front tires except that data marked 4WD is taken with 14.0 L x 17.5 front tires.

CYLINDERS

	Bore Diameter	Rod Diameter	Stroke	Closed Length
Loader:				
Lift – 2	3.50 in (88.9 mm)	1.875 in (47.6 mm)	29.13 in (740.0 mm)	41.54 in (1 055.0 mm)
Dump – 2	3.25 in (82.6 mm)	1.75 in (44.5 mm)	20.33 in (516.5 mm)	30.78 in (781.8 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	5.50 in (139.7 mm)	2.75 in (69.9 mm)	40.57 in (1 030.5 mm)	57.05 in (1 449.0 mm)
Dipperstick	5.25 in (133.4 mm)	2.75 in (69.9 mm)	23.53 in (597.7 mm)	38.49 in (977.7 mm)
Bucket	3.50 in (88.9 mm)	2.50 in (63.5 mm)	38.95 in (989.4 mm)	51.78 in (1 315.2 mm)
Extendahoe®	3.00 in (76.2 mm)	1.75 in (44.5 mm)	48.03 in (1 220.0 mm)	64.02 in (1 626.0 mm)
Swing – 2	4.00 in (101.6 mm)	2.00 in (50.8 mm)	11.50 in (292.0 mm)	24.44 in (620.8 mm)
Stabilizer – 2	5.25 in (133.4 mm)	2.50 in (63.5 mm)	20.40 in (518.1 mm)	33.57 in (852.7 mm)

AXLE RATINGS

	Rear	Front – 4WD
Maximum static	70,848 lb (32 136 kg)	67,883 lb (30 791 kg)
Dynamic operating	49,494 lb (22 450 kg)	47,426 lb (21 512 kg)
Static operating	19,798 lb (8 980 kg)	18,969 lb (8 604 kg)
Oscillation – front axle	—	22° total – 11° each side

BACKHOE LIFT CAPACITIES

	Extendahoe®			
	Retracted		Extended	
	Standard	Power Lift	Standard	Power Lift
Boom Lift	Lift Capacity lb (kg)	Lift Capacity lb (kg)	Lift Capacity lb (kg)	Lift Capacity lb (kg)
+18 ft (5.50 m)	—	—	2,548 (1 156)	2,710 (1 229)
+16 ft (4.87 m)	—	—	2,783 (1 262)	2,961 (1 343)
+14 ft (4.27 m)	3,688 (1 673)	3,923 (1 779)	2,967 (1 346)	3,156 (1 431)
+12 ft (3.66 m)	3,898 (1 768)	4,147 (1 881)	3,037 (1 378)	3,231 (1 465)
+10 ft (3.05 m)	3,937 (1 786)	4,188 (1 900)	3,051 (1 384)	3,246 (1 472)
+8 ft (2.44 m)	3,908 (1 773)	4,158 (1 886)	3,052 (1 384)	3,247 (1 473)
+6 ft (1.83 m)	3,853 (1 748)	4,099 (1 859)	3,037 (1 378)	3,231 (1 466)
+4 ft (1.22 m)	3,785 (1 717)	4,027 (1 827)	3,011 (1 366)	3,203 (1 453)
+2 ft (0.61 m)	3,720 (1 687)	3,957 (1 795)	2,983 (1 353)	3,174 (1 440)
Ground Level	3,657 (1 659)	3,891 (1 765)	2,970 (1 347)	3,160 (1 433)
-2 ft (0.61 m)	3,606 (1 635)	3,836 (1 740)	2,946 (1 336)	3,134 (1 422)
-4 ft (1.22 m)	3,572 (1 620)	3,800 (1 724)	2,929 (1 329)	3,116 (1 413)
-6 ft (1.83 m)	3,565 (1 617)	3,793 (1 720)	2,924 (1 326)	3,111 (1 411)
-8 ft (2.44 m)	3,609 (1 637)	3,839 (1 741)	2,941 (1 334)	3,129 (1 419)
-10 ft (3.05 m)	3,776 (1 713)	4,017 (1 822)	2,985 (1 354)	3,175 (1 440)
-12 ft (3.66 m)	3,900 (1 769)	4,149 (1 882)	3,102 (1 407)	3,300 (1 497)
-14 ft (4.27 m)	—	—	3,307 (1 500)	3,519 (1 596)
Dipper Lift				
+16 ft (4.87 m)	—	—	4,312 (1 956)	4,312 (1 956)
+14 ft (4.27 m)	5,853 (2 655)	5,853 (2 655)	4,020 (1 823)	4,020 (1 823)
+12 ft (3.66 m)	6,409 (2 907)	6,409 (2 907)	5,252 (2 382)	5,252 (2 382)
+10 ft (3.05 m)	6,650 (3 016)	6,650 (3 016)	4,849 (2 200)	4,849 (2 200)
+8 ft (2.44 m)	6,903 (3 131)	6,903 (3 131)	4,945 (2 243)	4,945 (2 243)
+6 ft (1.83 m)	6,928 (3 142)	6,928 (3 142)	4,670 (2 118)	4,670 (2 118)
+4 ft (1.22 m)	7,953 (3 608)	7,953 (3 608)	4,424 (2 007)	4,424 (2 007)
+2 ft (0.61 m)	—	—	5,103 (2 315)	5,103 (2 315)

NOTE: Boom and Dipper Lift Capacities are rated per SAE J31 and are 87% of the maximum hydraulic lift force available with the specified options.

BACKHOE OPERATIONAL DATA

	Extendahoe®	
	Retracted	Extended
Digging depth:		
Maximum	15 ft 6 in (4.72 m)	19 ft 6 in (5.94 m)
Maximum with hi-capacity bucket	16 ft 0 in (4.88 m)	20 ft 0 in (6.10 m)
2 ft (610 mm) flat bottom	15 ft 5 in (4.69 m)	19 ft 5 in (5.92 m)
8 ft (2.44 m) flat bottom	14 ft 5 in (4.40 m)	18 ft 8 in (5.63 m)
Overall reach from:		
Rear axle centerline	23 ft 3 in (7.10 m)	27 ft 2 in (8.28 m)
Swing pivot	19 ft 7 in (5.98 m)	23 ft 6 in (7.17 m)
Loading height	13 ft 1 in (4.00 m)	15 ft 9 in (4.81 m)
Loading reach – dipper retracted	5 ft 1 in (1.56 m)	8 ft 1 in (2.47 m)
Swing arc	180°	180°
Bucket rotation:		
Mechanical coupler	198.0°	198.0°
Hydraulic coupler – Extendahoe® dipper	194.8°	194.8°
Hydraulic coupler – standard dipper	198.0°	198.0°
Stabilizer spread – operating – centers:		
Flip pad	10 ft 9 in (3.26 m)	10 ft 9 in (3.26 m)
Cast pad	11 ft 1 in (3.37 m)	11 ft 1 in (3.37 m)
Digging force:		
Bucket cylinder – SAE rated 3,460 psi	15,132 lb (67 310 N)	15,132 lb (67 310 N)
Bucket cylinder – Power Lift	15,853 lb (70 520 N)	15,853 lb (70 520 N)
Dipper cylinder – SAE rated 3,460 psi	10,575 lb (47 041 N)	7,392 lb (32 882 N)
Dipper cylinder – Power Lift	11,080 lb (49 285 N)	7,744 lb (34 450 N)
Leveling angle:		
Flip pad	11.2°	11.2°
Cast pad	12.0°	12.0°

NOTE: Lift capacities apply straight to the rear of prime mover. 4WD equipped with 24 in (610 mm) Universal HD trenching bucket and Case coupler except as noted.

STANDARD EQUIPMENT

OPERATOR ENVIRONMENT

See page 1

ENGINE

- FPT F5BFL413A diesel
- Selective Catalytic Reduction – SCR
- Aspirated air cleaner – replaceable dual element dry type with radial seal
- Fuel filter with water trap
- Radiator with de-aeration bottle
- Antifreeze to -34° F (-37° C)
- Electronic throttles – foot and rotary hand
- Self adjusting belt
- High Pressure Common Rail computer controlled injection with diagnostic features
- Engine ECO Mode – Detent on backhoe hand throttle, push button switch on dash
- Auto Engine Idle
- Auto Engine Shutdown
- Auto Protection Shutdown
- Electronic Fuel Priming
- Cold Weather Starting Aid:
  - Dual 12 volt batteries, glow plugs, engine block heater and heated CCV hose

DRIVETRAIN

- PowerDrive H-Type transmission, 4F-4R, hydraulic clutch shifting, kick down, transmission disconnect and FNR switch in loader control lever, includes auto shift mode and direct drive
- Front axle:
  - 4WD heavy-duty mechanically driven front axle with 14.0 L x 17.5 tires and drive shaft guard
- Rear axle:
  - 4WD heavy-duty outboard planetary drive, with 21.0 L x 24.0 tires
- Torque converter – 11.8 in (300 mm)
- On-the-go electric 4WD control
- Electric F/R shuttle control
- Electric differential lock control, push-button
- Park brake, spring-applied hydraulic release – SAHR

HYDRAULICS

- Ground level remote hydraulic test ports
- Variable displacement axial piston pump
- Pump:
  - 43 gpm @ 3,000 psi (162.6 L/min @ 207 bar)
- Heavy-duty hydraulic oil cooler
- 7-micron, spin on oil filter

LOADER

- Bucket position indicator; Lifting lugs and tie downs on standard bucket; Single lever control with 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 and FNR switch

BACKHOE

- Over center design, Fabricated “S” boom; Pro Control System; Dipperstick integrated serrated gripper teeth; Case mechanical coupler; Power Lift, Power Boost
- Cleated dirt stabilizer pads
- Extendahoe®

OTHER

- Front tire 14.0 L x 17.5, 10 PR – 4WD
- Rear tire 21.0 L x 24.0, 10 PR
- Forward tilt engine hood
- Replaceable, molded front bumpers
- Front/Rear tie downs
- Reflective logos
- Signal Lights – cab and canopy:
  - 2 rear tail/stop
  - 2 front flashers/turn
  - 2 rear flashers/turn
- Working/Driving Lights – cab and canopy:
  - Adjustable halogen work lights – 55 W:
    - 4 front
    - 2 side – one left, one right
    - 4 rear
- Master disconnect switch and remote jump-start terminals
- Hydrostatic steering
- Backup alarm
- Vertical spin-on engine oil, fuel and hydraulic filters
- Locking DEF/Fuel covers
- Tool box – bolt-on, step-mounted

TELEMATICS

- CASE SiteWatch™ Telematics – includes hardware and a 3-yr Advanced data subscription

WARRANTY

- 1-Year/Unlimited-Hour Full-Coverage Base Limited Warranty
- 2-Year/2,000-Hour Extended Engine Warranty

OPTIONAL EQUIPMENT

OPERATOR ENVIRONMENT

- Speed selectable Auto Ride Control – 4WD models
- Comfort Steering with two-speed steering pump and 3rd/4th gear cutout
- ROPS/FOPS certified protective cab available in LH Door or 2 door with heat, A/C, defroster, door activated dome light, 4 front, 4 rear and 2 adjustable side lights, floor mat, tinted glass, bluetooth radio, front and rear wiper and fender extensions
- Deluxe Cab package included on 2-door cabs includes: deluxe interior, viscous fan, pull-down sun visor and 72 dba sound level
- Premium multi-color, hand stitched cloth, heated air suspension seat – not for use with ROPS Canopy option

ENGINE

- Severe Cold Weather Starting Aid: Synthetic transmission, hydraulic and engine oil – order with cold weather starting aid

LOADER

- Auxiliary hydraulics for loader-mounted equipment with thumb-operated proportional control
- Hydraulic front quick coupler
- Loader linkage without loader bucket
- Tool portfolio of additional attachments
- Buckets – see page 2

BACKHOE

- 1-way/2-way Auxiliary backhoe hydraulics for hammers, plate compactors or similar 1-way flow attachments or switch to 2-way flow for thumbs, augers or similar 2-way flow attachments
- Bolt-on hardened gripper teeth
- Two-lever control
- 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 Standard dipper
- Flip over stabilizer pads
- Hydraulic bucket coupler
- Universal coupler – CAT/Deere compatible
- Buckets – see page 2
- Hydraulic thumb – Includes: 2 replaceable, high strength, bolt on tines with two positions for Universal or Hi-Cap buckets – meshes with Bucket teeth on 18 in & 24 in Buckets

OTHER

- Front tires: 14.0 L x 17.5 10 PR
- Rear tires: 21 L x 24, 10 PR or 540/70 R24 Michelin
- Special paint
- LED Working/Driving Light Package:
  - 4 front
  - 4 rear
  - 2 side
- Front Fenders
- Special Feature Request

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IMPORTANT: CASE Construction Equipment Inc. reserves the right to change these specifications without notice and without incurring any obligation relating to such change. Availability of some models and equipment builds vary according to the country in which the equipment is used. The illustrations and text may include optional equipment and accessories and may not include all standard equipment. Your CASE dealer/distributor will be able to give you details of the products and their specifications available in your area.

Form No. CCE202012590SN
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Biodiesel Ready

CASE Construction Equipment is biodiesel-friendly. NOTE: All engines meet current EPA emissions regulations. All specifications are stated in accordance with SAE Standards or Recommended Practices, where applicable.

SAFETY™ NEVER HURTS

Always read the Operator’s Manual before operating any equipment. Inspect equipment before using it, and be sure it is operating properly. Follow the product safety signs and use any safety features provided.