



ENGINE

Model	F5C E5454 C* A003
Emissions Certificat	tion Tier 3
Туре	Diesel 4-stroke, Turbo, D.I.
Cylinder	4
Bore/Stroke	3.9 x 4.1 in
	(99 x 104 mm)
Displacement	195 in ³ (3.2 L)
Fuel injection	Direct
Fuel	#2 diesel
Fuel filter	In-line strainer
Oil filtration	Spin-on – full-flow
Air intake	Turbocharged w/o waste gate
Cooling	Liquid
Engine speeds	RPM
High idle – no loa	
Rated – full load	2500
Low idle	1075 +/- 75
•	J1349 @ 2500 RPM:
Gross Net	90 hp (67 kW)
	84 hp (63 kW)
	1 lb·ft (340 N·m) @ 1400 RPM
Radiator:	
Core type Core size area	All aluminum 412 in ² (0.266 m ²)
Rows of tubes	412 III (0.200 III) 44 x 4
Cap pressure	16 +/- 2 psi (110 +/- 14 bar)
Fan:	
Diameter	20.4 in (518 mm)
Ratio	0.96:1
Water pump:	
Style	Centrifugal
Flow	29 gpm (110 L/min)
Engine lubrication:	
Pump Ro	tor pump w/ deep sump pan,
	plate cooler, and pressurized
	under-piston nozzles
Pump operating any	
Side to side Bucket up	45° 35°
Bucket down	35 45°
Ducket dowll	43

DRIVETRAIN

Drive pump control	Mechanical
Pump to engine ratio	1:1
Displacement	2.81 in ³ (46 cm ³)
Flow at rated engine R	PM
@ 100% efficiency	29.4 gpm (111 L/min)
Charge pressure:	
360 +/-	10 psi (24.5 +/- 0.5 bar)
System relief	5,220 psi (360 bar)
Drive pump control	Electro-hydraulic
Pump to engine ratio	1:1
Displacement	2.75 in ³ (46 cm ³)
Flow at rated engine R	PM
@ 100% efficiency	28.8 gpm (109 L/min)
Charge pressure	362 psi (15 bar)
System relief 5,220 psi (360 ba	

DRIVETRAIN (cont.)

(0)			
Drive motors:			
Max. displacement 28.7 in ³ (470 cr			
Optional high speed	17.2 in ³ (282 cm ³)		
Speed @ high idle eng	ine RPM		
100% efficiency @ r	ated engine RPM 241		
Speed @ optional high	speed RPM 355		
Torque @ max. displac	ement and		
relief pressure	5,003 psi (345 bar)		
	2,694 lb·ft (1 987 N·m)		
Travel speed:			
Low range	7.0 mph (11.3 kph)		
High range – optional	10.5 mph (16.9 kph)		
Final drive Sing	le-reduction chain drive		
Drive chain:			
Size	ASA #100		
Tensile strength	30,000 lb (133.4 kN)		
Axles:			
Torque @ max. displac	ement and		
relief pressure	6,623 lb·ft (8 980 N·m)		
Diameter	2.44 in (61.94 mm)		
Length	15.6 in (398.7 mm)		
Parking brake:			
Туре	Spring-applied,		
	hydraulic release disc		
Engagement Depr	ess on/off brake button		
	dle or instrument panel,		
	off seat, or stop engine		
· · · · · · · · · · · · · · · · · · ·	<u> </u>		

ELECTRICAL

Alternat	or 95 amp	
Starter	4.0 kW	
Battery	12-volt low-maintenance,	
	925 cold-cranking amps @ 0° F (-18° C)	

OPERATOR ENVIRONMENT

ROPS/FOPS level 1 canopy w/ side screens; Tilt ROPS/FOPS; Rear window w/ emergency escape; Instrument panels; Suspension vinyl seat; 2 in (51 mm) retractable seat belt; Hand throttle; Foot throttle; Alarm package; Headliner; Top window; Cup holder; Power plug socket; Foot rest; Storage tray; Low effort ergonomic hand controls; Padded seat bar w/ integral armrests; Loader control lockout system; Electric parking brake control; Floor cleanout panel.

Indicators:

Digital hourmeter; Fuel level LCD bar graph w/ alarm.

Warning lights w/ alarms:

Engine coolant temperature; Engine oil pressure; Engine malfunction; Hydraulic charge pressure; Hydraulic filter restriction; Hydraulic oil temperature.

Warning alarms Battery voltage – plus display Indicator light: Engine preheat; Parking brake; Seat bar reminder.

OPERATING WEIGHT

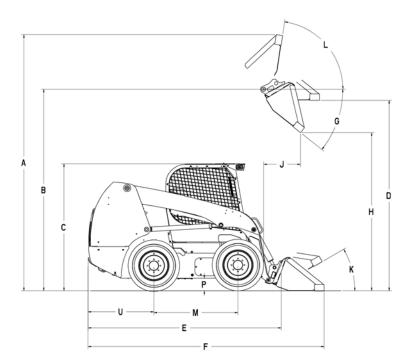
Shipping weight	7,365 lb (3 340 kg
Operating weight	7,700 lb (3 490 kg)
Add-on weights: Side cab glass Lexan [®] door Glass door w/ wiper Suspension seat	47 lb (21.3 kg) 74 lb (33.6 kg) 134 lb (60.8 kg) 22 lb (10 kg)

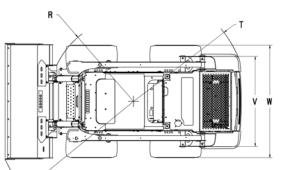
HYDRAULICS

Standard equipment pump typeGearDisplacement:Standard aux.2.08 in³ (34.1 cm³)High flow aux.1.1 in³ (18.3 cm³)Pump flow @ rated engine RPM:@ 100% efficiency22.5 gpm (85 L/min)Optional high flow @ rated engine RPM:@ 100% efficiency34.6 gpm (131 L/min)Loader control valve:Type3 Spool/Open center/SeriesRelief pressure3,000 psi (207 bar)Port relief pressures:Loader raise3,263 psi (225 bar)Bucket dump3,770 psi (260 bar)Bucket curl1,160 psi (80 bar)Hydraulic lines:Tubing37° JIC FlareLoop hosesSAE 100 R13Hydraulic oil cooler:Number of fins10 per in (0.394 per mm)Number of fus10 per in (0.394 per mm)Number of tubes11Area130.7 in² (843 cm²)Hydraulic filter6 micron/Spin onLift cylinder:Bore diameter2.5 in (63.5 mm)Bore diameter2.5 in (63.5 mm)Rod diameter1.75 in (44.5 mm)Stroke32.2 in (817.9 mm)Closed length45.6 in (1 158.0 mm)Bucket cylinders:Bore diameterBore diameter3.0 in (76.2 mm)Rod diameter1.5 in (38.1 mm)Stroke16.1 in (410.0 mm)Closed length24 in (610.0 mm)				
Standard aux.2.08 in³ (34.1 cm³)High flow aux.1.1 in³ (18.3 cm³)Pump flow @ rated engine RPM:@ 100% efficiency@ 100% efficiency22.5 gpm (85 L/min)Optional high flow @ rated engine RPM:@ 100% efficiency@ 100% efficiency34.6 gpm (131 L/min)Loader control valve:TypeType3 Spool/Open center/SeriesRelief pressure3,000 psi (207 bar)Port relief pressures:Loader raiseLoader raise3,263 psi (225 bar)Bucket dump3,770 psi (260 bar)Bucket curl1,160 psi (80 bar)Hydraulic lines:TubingTubing37° JIC FlareLoop hosesSAE 100 R13Hydraulic oil cooler:Number of finsNumber of fins10 per in (0.394 per mm)Number of tubes11Area130.7 in² (843 cm²)Hydraulic filter6 micron/Spin onLift cylinder:Bore diameterBore diameter2.5 in (63.5 mm)Rod diameter1.75 in (44.5 mm)Stroke32.2 in (817.9 mm)Closed length45.6 in (1 158.0 mm)Bucket cylinders:Bore diameterBore diameter3.0 in (76.2 mm)Rod diameter1.5 in (38.1 mm)Stroke10.1 in (410.0 mm)	Standard equipment pump type Gea			
High flow aux.1.1 in³ (18.3 cm²)Pump flow @ rated engine RPM: @ 100% efficiency22.5 gpm (85 L/min)Optional high flow @ rated engine RPM: @ 100% efficiency34.6 gpm (131 L/min)Loader control valve: Type3 Spool/Open center/Series Relief pressures: Loader raiseLoader raise3,263 psi (225 bar)Bucket dump3,770 psi (260 bar)Bucket curl1,160 psi (80 bar)Hydraulic lines: Tubing37° JIC Flare Loop hosesLoop hosesSAE 100 R13Hydraulic oil cooler: Number of fins Area10 per in (0.394 per mm) Number of tubesHydraulic filter6 micron/Spin onLift cylinder: Bore diameter2.5 in (63.5 mm) Rod diameterBucket cylinders: Bore diameter3.0 in (76.2 mm) Rod diameterBucket cylinders: Bore diameter3.0 in (76.2 mm) Rod diameterBucket cylinders: Bore diameter1.5 in (38.1 mm) StrokeBore diameter1.5 in (41.00 mm)	Displacement:			
OPump flow @ rated engine RPM:@ 100% efficiency22.5 gpm (85 L/min)Optional high flow @ rated engine RPM:@ 100% efficiency34.6 gpm (131 L/min)Loader control valve:Type3 Spool/Open center/SeriesRelief pressure3,000 psi (207 bar)Port relief pressures:Loader raise3,263 psi (225 bar)Bucket dump3,770 psi (260 bar)Bucket curl1,160 psi (80 bar)Hydraulic lines:10 psi (80 bar)Tubing37° JIC FlareLoop hosesSAE 100 R13Hydraulic oil cooler:10 per in (0.394 per mm)Number of fins10 per in (0.394 per mm)Number of tubes11Area130.7 in² (843 cm²)Hydraulic filter6 micron/Spin onLift cylinder:Bore diameterBore diameter2.5 in (63.5 mm)Rod diameter1.75 in (44.5 mm)Stroke32.2 in (817.9 mm)Closed length45.6 in (1 158.0 mm)Bucket cylinders:Bore diameterBore diameter3.0 in (76.2 mm)Rod diameter1.5 in (38.1 mm)Stroke16.1 in (410.0 mm)	Standard aux.	2.08 in ³ (34.1 cm ³)		
@ 100% efficiency22.5 gpm (85 L/min)Optional high flow @ rated engine RPM:@ 100% efficiency34.6 gpm (131 L/min)Loader control valve:Type3 Spool/Open center/SeriesRelief pressure3,000 psi (207 bar)Port relief pressures:Loader raise3,263 psi (225 bar)Bucket dump3,770 psi (260 bar)Bucket curl1,160 psi (80 bar)Hydraulic lines:Tubing37° JIC FlareLoop hosesSAE 100 R13Hydraulic oil cooler:Number of fins10 per in (0.394 per mm)Number of tubes11Area130.7 in² (843 cm²)Hydraulic filter6 micron/Spin onLift cylinder:2.5 in (63.5 mm)Bore diameter2.5 in (63.5 mm)Rod diameter1.75 in (44.5 mm)Stroke32.2 in (817.9 mm)Closed length45.6 in (1 158.0 mm)Bucket cylinders:Bore diameterBore diameter3.0 in (76.2 mm)Rod diameter1.5 in (38.1 mm)Stroke16.1 in (410.0 mm)				
@ 100% efficiency22.5 gpm (85 L/min)Optional high flow @ rated engine RPM:@ 100% efficiency34.6 gpm (131 L/min)Loader control valve:Type3 Spool/Open center/SeriesRelief pressure3,000 psi (207 bar)Port relief pressures:Loader raise3,263 psi (225 bar)Bucket dump3,770 psi (260 bar)Bucket curl1,160 psi (80 bar)Hydraulic lines:Tubing37° JIC FlareLoop hosesSAE 100 R13Hydraulic oil cooler:Number of fins10 per in (0.394 per mm)Number of tubes11Area130.7 in² (843 cm²)Hydraulic filter6 micron/Spin onLift cylinder:2.5 in (63.5 mm)Bore diameter2.5 in (63.5 mm)Rod diameter1.75 in (44.5 mm)Stroke32.2 in (817.9 mm)Closed length45.6 in (1 158.0 mm)Bucket cylinders:Bore diameterBore diameter3.0 in (76.2 mm)Rod diameter1.5 in (38.1 mm)Stroke16.1 in (410.0 mm)	Pump flow @ rated en	gine RPM:		
@ 100% efficiency34.6 gpm (131 L/min)Loader control valve:Type3 Spool/Open center/SeriesRelief pressure3,000 psi (207 bar)Port relief pressures:Loader raise3,263 psi (225 bar)Bucket dump3,770 psi (260 bar)Bucket curl1,160 psi (80 bar)Hydraulic lines:Tubing37° JIC FlareLoop hosesSAE 100 R13Hydraulic oil cooler:10 per in (0.394 per mm)Number of fins10 per in (0.394 per mm)Number of tubes11Area130.7 in² (843 cm²)Hydraulic filter6 micron/Spin onLift cylinder:Bore diameterBore diameter2.5 in (63.5 mm)Rod diameter1.75 in (44.5 mm)Stroke32.2 in (817.9 mm)Closed length45.6 in (1 158.0 mm)Bucket cylinders:Bore diameterBore diameter3.0 in (76.2 mm)Rod diameter1.5 in (38.1 mm)Stroke16.1 in (410.0 mm)	@ 100% efficiency	22.5 gpm (85 L/min)		
Or the test of the test of the test of tes	Optional high flow @ ra	ated engine RPM:		
Type3 Spool/Open center/Series Relief pressureRelief pressure3,000 psi (207 bar)Port relief pressures: Loader raise3,263 psi (225 bar) Bucket dumpBucket dump3,770 psi (260 bar) Bucket curlHydraulic lines: Tubing1,160 psi (80 bar)Hydraulic lines: Tubing37° JIC Flare Loop hosesLoop hosesSAE 100 R13Hydraulic oil cooler: Number of fins Area10 per in (0.394 per mm) 11 AreaHydraulic filter6 micron/Spin on 11Lift cylinder: Bore diameter2.5 in (63.5 mm) 3.2.2 in (817.9 mm) Closed lengthBucket cylinders: Bore diameter3.0 in (76.2 mm) 3.0 in (76.2 mm) Rod diameterBore diameter1.5 in (38.1 mm) StrokeStroke1.5 in (41.00 mm)	@ 100% efficiency	34.6 gpm (131 L/min)		
Relief pressure3,000 psi (207 bar)Port relief pressures: Loader raise3,263 psi (225 bar)Bucket dump3,770 psi (260 bar)Bucket curl1,160 psi (80 bar)Hydraulic lines: Tubing37° JIC FlareLoop hosesSAE 100 R13Hydraulic oil cooler: Number of fins Area10 per in (0.394 per mm)Hydraulic filter6 micron/Spin onLift cylinder: Bore diameter2.5 in (63.5 mm)Rod diameter1.75 in (44.5 mm)Stroke32.2 in (817.9 mm)Closed length45.6 in (1 158.0 mm)Bucket cylinders: Bore diameter3.0 in (76.2 mm)Rod diameter1.5 in (38.1 mm)Stroke1.5 in (41.0 mm)	Loader control valve:			
Port relief pressures:Loader raise3,263 psi (225 bar)Bucket dump3,770 psi (260 bar)Bucket curl1,160 psi (80 bar)Hydraulic lines:TubingTubing37° JIC FlareLoop hosesSAE 100 R13Hydraulic oil cooler:10 per in (0.394 per mm)Number of fins10 per in (0.394 per mm)Number of tubes11Area130.7 in² (843 cm²)Hydraulic filter6 micron/Spin onLift cylinder:Bore diameterBore diameter2.5 in (63.5 mm)Rod diameter1.75 in (44.5 mm)Stroke32.2 in (817.9 mm)Closed length45.6 in (1 158.0 mm)Bucket cylinders:Bore diameterBore diameter3.0 in (76.2 mm)Rod diameter1.5 in (38.1 mm)Stroke16.1 in (410.0 mm)	Туре 38	Spool/Open center/Series		
Loader raise3,263 psi (225 bar)Bucket dump3,770 psi (260 bar)Bucket curl1,160 psi (80 bar)Hydraulic lines:1Tubing37° JIC FlareLoop hosesSAE 100 R13Hydraulic oil cooler:10 per in (0.394 per mm)Number of fins10 per in (0.394 per mm)Number of tubes11Area130.7 in² (843 cm²)Hydraulic filter6 micron/Spin onLift cylinder:Bore diameterBore diameter2.5 in (63.5 mm)Rod diameter1.75 in (44.5 mm)Stroke32.2 in (817.9 mm)Closed length45.6 in (1 158.0 mm)Bucket cylinders:3.0 in (76.2 mm)Rod diameter1.5 in (38.1 mm)Stroke16.1 in (410.0 mm)	Relief pressure	3,000 psi (207 bar)		
Loader raise3,263 psi (225 bar)Bucket dump3,770 psi (260 bar)Bucket curl1,160 psi (80 bar)Hydraulic lines:1Tubing37° JIC FlareLoop hosesSAE 100 R13Hydraulic oil cooler:10 per in (0.394 per mm)Number of fins10 per in (0.394 per mm)Number of tubes11Area130.7 in² (843 cm²)Hydraulic filter6 micron/Spin onLift cylinder:Bore diameterBore diameter2.5 in (63.5 mm)Rod diameter1.75 in (44.5 mm)Stroke32.2 in (817.9 mm)Closed length45.6 in (1 158.0 mm)Bucket cylinders:3.0 in (76.2 mm)Rod diameter1.5 in (38.1 mm)Stroke16.1 in (410.0 mm)	Port relief pressures:			
Bucket curl1,160 psi (80 bar)Hydraulic lines: Tubing37° JIC Flare SAE 100 R13Hydraulic oil cooler: Number of fins Number of tubes10 per in (0.394 per mm) 11Area130.7 in² (843 cm²)Hydraulic filter6 micron/Spin on 1.75 in (44.5 mm) StrokeBore diameter Stroke2.5 in (63.5 mm) 32.2 in (817.9 mm) Closed lengthBucket cylinder: Bore diameter3.0 in (76.2 mm) 1.5 in (38.1 mm) StrokeBore diameter1.5 in (38.1 mm) StrokeStroke1.5 in (41.0 mm)	•	3,263 psi (225 bar)		
Hydraulic lines: TubingTubing37° JIC FlareLoop hosesSAE 100 R13Hydraulic oil cooler: Number of fins Area10 per in (0.394 per mm) 11Area130.7 in² (843 cm²)Hydraulic filter6 micron/Spin onLift cylinder: Bore diameter2.5 in (63.5 mm) 8.2.2 in (817.9 mm) Closed lengthBucket cylinders: Bore diameter3.0 in (76.2 mm) 1.5 in (38.1 mm) StrokeBucket cylinders: Bore diameter1.5 in (38.1 mm) 5.5 in (41.0 mm)	Bucket dump	3,770 psi (260 bar)		
Tubing37° JIC FlareLoop hosesSAE 100 R13Hydraulic oil cooler:Number of finsNumber of tubes10 per in (0.394 per mm)Area130.7 in² (843 cm²)Hydraulic filter6 micron/Spin onLift cylinder:Bore diameterBore diameter2.5 in (63.5 mm)Rod diameter1.75 in (44.5 mm)Stroke32.2 in (817.9 mm)Closed length45.6 in (1 158.0 mm)Bucket cylinders:Bore diameterBore diameter3.0 in (76.2 mm)Rod diameter1.5 in (38.1 mm)Stroke16.1 in (410.0 mm)	Bucket curl	1,160 psi (80 bar)		
Loop hosesSAE 100 R13Hydraulic oil cooler: Number of fins Number of tubes10 per in (0.394 per mm) 11Area130.7 in² (843 cm²)Hydraulic filter6 micron/Spin on Lift cylinder: Bore diameterBore diameter2.5 in (63.5 mm) Rod diameterRod diameter1.75 in (44.5 mm) StrokeStroke32.2 in (817.9 mm) Closed lengthBucket cylinders: Bore diameter3.0 in (76.2 mm) Rod diameterBore diameter1.5 in (38.1 mm) StrokeStroke16.1 in (410.0 mm)	Hydraulic lines:			
Hydraulic oil cooler: Number of fins Number of tubes10 per in (0.394 per mm) Number of tubesArea130.7 in² (843 cm²)Hydraulic filter6 micron/Spin onLift cylinder: Bore diameter2.5 in (63.5 mm) Rod diameterRod diameter2.5 in (44.5 mm) StrokeStroke32.2 in (817.9 mm) Closed lengthBucket cylinders: Bore diameter3.0 in (76.2 mm) Rod diameterBore diameter1.5 in (38.1 mm) StrokeStroke16.1 in (410.0 mm)	Tubing	37° JIC Flare		
Number of fins Number of tubes10 per in (0.394 per mm) 11Area11130.7 in² (843 cm²)Hydraulic filter6 micron/Spin onLift cylinder: Bore diameter2.5 in (63.5 mm) Rod diameterRod diameter1.75 in (44.5 mm) StrokeStroke32.2 in (817.9 mm) Closed lengthBucket cylinders: Bore diameter3.0 in (76.2 mm) Rod diameterBore diameter1.5 in (38.1 mm) StrokeStroke16.1 in (410.0 mm)	Loop hoses	SAE 100 R13		
Number of tubes11Area130.7 in² (843 cm²)Hydraulic filter6 micron/Spin onLift cylinder:Bore diameterBore diameter2.5 in (63.5 mm)Rod diameter1.75 in (44.5 mm)Stroke32.2 in (817.9 mm)Closed length45.6 in (1 158.0 mm)Bucket cylinders:Bore diameterBore diameter3.0 in (76.2 mm)Rod diameter1.5 in (38.1 mm)Stroke16.1 in (410.0 mm)	Hydraulic oil cooler:			
Area130.7 in² (843 cm²)Hydraulic filter6 micron/Spin onLift cylinder:Bore diameterBore diameter2.5 in (63.5 mm)Rod diameter1.75 in (44.5 mm)Stroke32.2 in (817.9 mm)Closed length45.6 in (1 158.0 mm)Bucket cylinders:Bore diameterBore diameter3.0 in (76.2 mm)Rod diameter1.5 in (38.1 mm)Stroke16.1 in (410.0 mm)	Number of fins	10 per in (0.394 per mm)		
Hydraulic filter6 micron/Spin onLift cylinder:Bore diameterBore diameter2.5 in (63.5 mm)Rod diameter1.75 in (44.5 mm)Stroke32.2 in (817.9 mm)Closed length45.6 in (1 158.0 mm)Bucket cylinders:Bore diameterBore diameter3.0 in (76.2 mm)Rod diameter1.5 in (38.1 mm)Stroke16.1 in (410.0 mm)	Number of tubes	11		
Lift cylinder: Bore diameter 2.5 in (63.5 mm) Rod diameter 1.75 in (44.5 mm) Stroke 32.2 in (817.9 mm) Closed length 45.6 in (1 158.0 mm) Bucket cylinders: Bore diameter 3.0 in (76.2 mm) Rod diameter 1.5 in (38.1 mm) Stroke 16.1 in (410.0 mm)	Area	130.7 in ² (843 cm ²)		
Bore diameter2.5 in (63.5 mm)Rod diameter1.75 in (44.5 mm)Stroke32.2 in (817.9 mm)Closed length45.6 in (1 158.0 mm)Bucket cylinders:Bore diameterBore diameter3.0 in (76.2 mm)Rod diameter1.5 in (38.1 mm)Stroke16.1 in (410.0 mm)	Hydraulic filter	6 micron/Spin on		
Rod diameter1.75 in (44.5 mm)Stroke32.2 in (817.9 mm)Closed length45.6 in (1 158.0 mm)Bucket cylinders:Bore diameterBore diameter3.0 in (76.2 mm)Rod diameter1.5 in (38.1 mm)Stroke16.1 in (410.0 mm)	Lift cylinder:			
Stroke32.2 in (817.9 mm)Closed length45.6 in (1 158.0 mm)Bucket cylinders:Bore diameterBore diameter3.0 in (76.2 mm)Rod diameter1.5 in (38.1 mm)Stroke16.1 in (410.0 mm)	2	2.5 in (63.5 mm)		
Closed length45.6 in (1 158.0 mm)Bucket cylinders: Bore diameter3.0 in (76.2 mm)Rod diameter1.5 in (38.1 mm)Stroke16.1 in (410.0 mm)	Rod diameter	1.75 in (44.5 mm)		
Bucket cylinders:Bore diameter3.0 in (76.2 mm)Rod diameter1.5 in (38.1 mm)Stroke16.1 in (410.0 mm)	Stroke	32.2 in (817.9 mm)		
Bore diameter 3.0 in (76.2 mm) Rod diameter 1.5 in (38.1 mm) Stroke 16.1 in (410.0 mm)	Closed length	45.6 in (1 158.0 mm)		
Rod diameter 1.5 in (38.1 mm) Stroke 16.1 in (410.0 mm)	Bucket cylinders:			
Stroke 16.1 in (410.0 mm)	Bore diameter	3.0 in (76.2 mm)		
Closed length 24 in (610.0 mm)	0110110			
	Closed length	24 in (610.0 mm)		

SERVICE CAPACITIES

Fuel tank	25.5 gal (96.5 L)
Engine oil w/ filter	10 qt (9.5 L)
Hydraulic system:	7
Reservoir	7 gal (26 L)
Total	47 qt (44.5 L)
Chain tanks – per side	29.5 qt (27.9 L)





PERFORMANCE SPECS

S

Rated operating load:	
50%	2,500 lb (1 135 kg)
Tipping load	5,000 lb (2 270 kg)
Breakout forces @ 3,150 p	osi (217 bar):
Lift cylinder	5,680 lb (25.3 kN)
Bucket cylinder	7,480 lb (33.3 kN)
Cycle times:	
Raise	3.7 sec
Lower	1.9 sec
Dump	2.7 sec
Roll back	2.0 sec

DIMENSIONS

	MENSIONS	
Α.	Overall operating height: with foundry/excavating bucket short lip with low profile/standard lip bucket with low profile extended/long lip bucket	156.3 in (3 969 mm) 160.3 in (4 071 mm) 165.3 in (4 198 mm)
Hei	ght to:	
В.	Bucket hinge pin	125.1 in (3 178 mm)
С.	Top of ROPS	78.8 in (2 002 mm)
D.	Bottom of level bucket, fully raised	123.3 in (3 124 mm)
	erall length:	
Ε.	without attachment with coupler	117.4 in (2 981 mm)
F.	with foundry excavation bucket on ground	142.2 in (3 611 mm) 146.2 in (3 714 mm)
	with low profile bucket with low profile extended bucket	146.2 iff (3 714 mm) 151.3 in (3 843 mm)
_		38.1°
G.	Dump angle	38.1*
н.	Dump height:	
	with foundry/excavating bucket short lip with low profile/standard lip bucket	100.9 in (2 562 mm) @ 38.1° 98.3 in (2 497 mm)
-		
J.	Dump reach – max. height	95.2 in (2 419 mm)
	ximum attachment rollback:	00.70
К.	Bucket on ground Bucket at full height	30.7° 99.7°
L.	5	
М.	Wheelbase	52 in (1 322 mm)
Р.	Ground clearance – bottom of belly pan	8 in (203 mm)
Q.	Angle of departure	23.5°
Cle	arance circle:	
R.	without bucket	55.1 in (1 400 mm)
S.	with 72 in (1.8 m) foundry bucket in carry position	83.5 in (2 122 mm)
	with 72 in (1.8 m) low profile bucket on ground	87.2 in (2 215 mm)
	with 72 in (1.8 m) extended low profile on ground	91.9 in (2 333 mm)
Т.	Clearance circle rear	70.4 in (1 789 mm)
U.	Rear axle to bumper	40.7 in (1 034 mm)
Rol	ling radius	16.1 in (409 mm)
V.	Tread width with spec tires	56.9 in (1 448 mm)
W.	Over the tire width with spec tires	69.6 in (1 708 mm)

TIRE SELECTION

	Size	Ply Rating	Tread Depth	Tire Width	Tread Width	Width Over Tires	Tire Weight*
Heavy-Duty	12 x 16.5		-	_	57 in (1 465 mm)	70 in (1 785 mm)	
Premium	12 x 16.5	_	_	_	57 in (1 465 mm)	70 in (1 785 mm)	_
Premium-Lined	12 x 16.5	_	_	_	57 in (1 465 mm)	70 in (1 785 mm)	_
Severe Duty	12 x 16.5	_	_	_	57 in (1 465 mm)	70 in (1 785 mm)	_
Mining	12 x 16.5	_	_	_	57 in (1 465 mm)	70 in (1 785 mm)	_
Non-Pneumatic	12 x 16.5	_	_	_	57 in (1 465 mm)	70 in (1 785 mm)	_
Flotation	33 x 15.5	_	_	_	60 in (1 544 mm)	76 in (1 930 mm)	_
Premium	14 x 17.5	_	_	_	62 in (1 579 mm)	76 in (1 930 mm)	_

NOTE: *Tire weight does not include the wheel weight.

OPTIONAL BUCKETS

Туре	Width	Weight	Heaped Capacity
Dirt & Foundry	72 in (1.83 m)	420 lb (190 kg)	16.2 ft ³ (0.46 m ³)
	78 in (2.0 m)	440 lb (200 kg)	18.4 ft ³ (0.52 m ³)
Low Profile	72 in (1.83 m)	420 lb (190 kg)	14.8 ft ³ (0.42 m ³)
Low Profile	72 in (1.83 m)	420 lb (190 kg)	17.7 ft ³ (0.66 m ³)
Extended	78 in (2.0 m)	440 lb (200 kg)	18.6 ft ³ (0.53 m ³)
	84 in (2.1 m)	575 lb (262 kg)	20.2 ft ³ (0.57 m ³)
Light Material	72 in (1.83 m)	420 lb (190 kg)	23.3 ft ³ (0.66 m ³)
-	84 in (2.1 m)	575 lb (262 kg)	27.9 ft ³ (0.79 m ³)
Manure & Slurry	72 in (1.83 m)	420 lb (190 kg)	19.1 ft ³ (0.54 m ³)
	84 in (2.1 m)	575 lb (262 kg)	22.5 ft ³ (0.64 m ³)
Heavy-Duty	72 in (1.83 m)	420 lb (190 kg)	14.1 ft ³ (0.40 m ³)
	78 in (2.0 m)	440 lb (200 kg)	15.9 ft ³ (0.45 m ³)
	84 in (2.1 m)	575 lb (262 kg)	19.4 ft ³ (0.55 m ³)

STANDARD EQUIPMENT

OPERATOR COMPARTMENT

ROPS/FOPS level 1 canopy with side screens Tilt ROPS/FOPS Rear window with emergency escape Instrument panels 2 in (51 mm) retractable seat belt Hand throttle Foot throttle Alarm package Headliner Top window Cup holder Power plug socket Foot rest Storage tray Low effort ergonomic hand controls Padded seat bar with integral armrests Loader control lockout system Electric parking brake control Floor cleanout panel

ENGINE

Case/Iveco 432T/M3 diesel No maintenance belt Over & under radiator and oil cooler Glow plug Integral engine oil cooling Fuel filter with water trap Dual element air cleaner 95 amp alternator 925 CCA 12-volt battery DRIVETRAIN Hydrostatic four wheel drive Servo controlled pumps ASA #100HS drive chain SAHR disc parking brakes **HYDRAULICS** Auxiliary hydraulics: 3,050 psi (210 bar) - 23.8 gpm (90 L/min) Hydraulic circuit pedal lock Loader arm-mounted ISO flat face connectors Auxiliary function lockout override Loader function lockout system Loader lift lockout override 3-spool loader control valve Heavy-duty oil cooler Loader arm float position

LOADER

Radial loader arm design Mechanical attachment coupler Loader lift arm support strut **OTHER** 2 speed transmission Add-on counterweights Lockable service access hood Single-point daily servicing Halogen lights, 2-front, 2 side, 2-rear – halogen Rear tail lights Remote oil drain

OPTIONAL EQUIPMENT

OPERATOR COMPARTMENT

Vinyl suspension seat Deluxe cloth suspension seat with heater and lumbar support Interior mirror Electric auxiliary hydraulic control Glass front door with wiper & washer Sliding side windows 3 in retractable seat belt Heater and AC Radio Demolition door

Coolant block heater
Battery disconnect switch
HYDRAULICS
High-flow auxiliary hydraulics: 3,050 psi (210 bar) – 33.2 gpm (126 L/min)
Second auxiliary hydraulics
Attachment case drain plumbing
LOADER
Auxiliary front electric control
Ride control

FNGINE

Ride control Switchable EH controls Hydraulic attachment coupler Hydraulic one-way self-leveling

OTHER

Deluxe instrument panel Road lights Rotating beacon Lift hooks Special paint Language decals Factory-installed tires – see page 2 Buckets – see page 3 Bolt-on bucket cutting edges 42 in (1.07 m) and 48 in (1.22 m) pallet forks Steel tracks

(CASE Customer Assistance 1866-54-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 Inc. reserves the right to change these specifications without notice and without incurring any obligation relating to such change. Case Construction Inc. does not warrant the safety or reliability of attachments from other manufacturers.

CASE is a trademark registered in the United States and many other countries, owned by or licensed to CNH Industrial N.V., its subsidiaries or affiliates. CNH Industrial Capital is a trademark in the United States and many other countries, owned by or licensed to CNH Industrial N.V., its subsidiaries or affiliates.



www.casece.com

Form No. CCE201411SR250

Printed in U.S.A. SR250 • Page 4 of 4





All Case construction equipment is biodiesel ready.