





DII	DIMENSIONS			
Ov	Overall operating height			
Α	with foundry/excavating bucket short	in (mm)	161.3 (4096)	
Α	with low profile/standard bucket	in (mm)	165.3 (4199)	
Α	with low profile extended/long bucket	in (mm)	170.4 (4327)	
He	Height to			
В	Bucket hinge pin	in (mm)	131.1 (3327)	
С	Top of ROPS	in (mm)	80.4 (2042)	
D	Bottom of level bucket, fully raised	in (mm)	124.2 (3155)	
Ov	Overall Length			
Е	without attachment with coupler	in (mm)	118.9 (3021)	
F	with foundry excavation bucket on ground	in (mm)	144 (3659)	
F	with low profile bucket	in (mm)	148 (3760)	
F	with low profile extended bucket	in (mm)	153.2 (3891)	
Du	Dump			
G	Dump angle	degrees	48	
Н	Dump height			
	with foundry/excavating bucket short in (mm	in (mm)	104.5 (2655)	
	with low profile/standard bucket	in (mm)	101.6 (2581)	
J	Dump reach (max height)	in (mm)	27.2 (564)	

Maximum attachment rollback			
K	Bucket on ground	degrees	33
L	Bucket at full height	degrees	85
Tra	ck and clearance		
М	Wheelbase	in (mm)	52 (1322)
Р	Ground clearance (bottom of belly pan)	in (mm)	9.6 (244)
Q	Angle of departure	in (mm)	27
Cle	arance circle		
R	Without bucket	in (mm)	56.2 (1428)
S	With foundry bucket in carry position	in (mm)	84.8 (2155)
S	With low profile bucket on ground	in (mm)	88.4 (2246)
S	With extended low profile bucket on ground	in (mm)	93 (2363)
Т	Clearance circle rear	in (mm)	71.2 (1809)
٧	Tread width	in (mm)	62.2 (1580)
W	Overall width	in (mm)	76 (1930)
EN	GINE		
Man	ufacturer/model		FPT / F5BFL413E*B002
Тур	Type Diesel 4-stroke, Turbo, D.I.		1
Bore	e/stroke in (mm)		3.9 x 4.3 (99 x 110)
Disp	placement in ³ (L)		207.5 (3.4)
Fuel	injection		HPCR Direct
Fuel	Fuel		#2 diesel
Fuel filter			Pre-filter spin on @ 30 microns Main- filter spin on @ 4 microns
Air intake			Turbocharged Aftercooled with external EGR
Cooling			Liquid
Engine Speeds			
High idle - no load rpm		rpm	2500 +/- 25
Rate	ed - full load	rpm	2500
Low	idle	rpm	1150 +/- 25

Horsepower per SAE J1349		
	Gross hp (kW)	90 (67) @ 2500 rpm
	Net hp (kW)	84 (63) @ 2500 rpm
Peak torque	lb-ft (N•m)	282 (383) @ 1400 rpm

POWER TRAIN Prive pump electro hydraulic Pump to engine ratio Displacement in³ (L) 2.75 (45) Flow gpm (lpm) 24.2 (91.5) Charge pressure psi (bar) 362 (25) System relief psi (bar) 5220 (360) Control Drive Motors Effective max displacement in³ (cc) 28.7 (470) Effective Displacement opt high speed in³ (cc) - Speed @ high idle engine rpm 237 Speed @ optional high speed rpm 355 Torque @ max displ. and relief pressure Ib-ft (N+m) 1987 (2694) Travel Speed Low range mph (km/h) 7.7 (12.4) High range mph (km/h) 11.5 (18.5) Final drive mph (km/h) 5ingle-reduction chain drive Parking Brake Type UNDERCARRIAGE System Idlers / rollers per side Ground Pressure PSI (with spec belt)	r cak torque	10-10 (14 111)	rpm
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UNDERCARRIAGE System - Idlers / rollers per side - Ground Pressure	Туре		hydraulic release
System - Idlers / rollers per side - Ground Pressure	Engagement		button on right hand joystick, disconnect lapbelt, get off seat,
Idlers / rollers per side - Ground Pressure	UNDERCARRIAGE		
Ground Pressure	System		-
	Idlers / rollers per side		-
PSI (with spec belt)	Ground Pressure		
	PSI (with spec belt)		-

HYDRAULIC SYSTEM		
Pumps		
Туре		Gear
Displacement standard aux.	in³ (cc)	2.23 (36.6)
Displacement high flow aux.	in³ (cc)	1.24 (20.4)
Standard pump flow	gpm (Lpm)	24.2 (91.5)
Optional high flow	gpm (Lpm)	39.5 (149)
Enhanced high flow	gpm (Lpm)	35 (132.5)
Loader control valve		
Туре		3 spool / open center / series
Standard relief pressure	psi (bar)	3450 (238)
Enhanced high flow relief pressure	psi (bar)	4000 (276)
Hydraulic filter		4 microns / spin on
CYLINDERS		
Lift Cylinder		
Bore diameter	in (mm)	2.75 (69.85)
Rod diameter	in (mm)	1.75 (44.5)
Stroke in	in (mm)	33.4 (847.9)
Closed length	in (mm)	47.1 (1196)
Bucket Cylinders		
Bore diameter	in (mm)	3.0 (76.2)
Rod Diameter	in (mm)	1.5 (38.1)
Stroke in	in (mm)	15.7 (398)
Closed length	in (mm)	24 (610)
Rated Operating Load		
50% tip	lbs. (kg)	3400 (1545)
35% tip	lbs. (kg)	-
Tipping load	lbs. (kg)	6800 (3091)
Breakout Forces		
Lift cylinder	lbs. (kN)	6319 (28.1)
Bucket cylinder	lbs. (kN)	8160 (36.3)

Cycle Times		
Raise	sec	4.5
Lower	sec	3.4
Dump	sec	2.6
Roll back	sec	2.0
Loader control valve		
Туре		-
Standard relief pressure	psi (bar)	-
Enhanced high flow relief pressure	psi (bar)	-
Hydraulic filter		-
WEIGHTS		
Operating weight	lbs (kg)	8900 (4045)
Shipping weight	lbs (kg)	8557 (3890)
SERVICE CAPACITIES		
Fuel tank, gal (L)		25.5 (96.5)
Engine oil with filter, qt (L)		8.9 (8.5)
System Capacity with filter, qt (L)		48 (45.4)
DEF tank, gal (L)		2.8 (10.7)

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