

# **721F/XT/XR**

# WHEEL LOADER • TIER 4 INTERIM CERTIFIED

#### **ENGINE**

Make	FPT
Model	F4HFE613Y
	Tier 4 interim certified
Fuel	#2 Diesel
(#1 & 2 mixtu	re permitted for cold temperature)
Doe	s not require ultra-low sulfur fuel
	B5 biodiesel tolerant
Type	4-stroke, turbocharged
	and air-to-air-cooled
Cylinders	6-cylinder in-line
Bore/Stroke	4.09 in x 5.20 in
	(104 X 132 mm)
Displacement	411 in <sup>3</sup> (6.7 L)
Fuel injection	Direct injection (electronic)
Fuel filter	Replaceable, full flow
	spin-on cartridge
Fuel pump	Bosch CR/CP3
Fuel cooler	
Gradeability	35° fore /aft & side to side
Air filter	Dry type elements
	w/warning restriction indicator
Mid-mount cooli	ng module
External inde	pendent mounted coolers
Fan	
Style	8 blade puller
Diameter	32 in (813 mm)
Water pump	Integral
Engine oil	

Pump Deep sump plate cooler with pressurized under-piston nozzles Pump operating angles ratings

Side-to-side 35° Fore and aft 35° Oil filtration Replaceable, full flow spin-on cartridge

Engine speeds (rpm)

2000 Rated speed, full load

Horsepower (per SAE J1349)

Peak Gross HP - 195 (145 kW) @ 2000

Max Power Curve -

Net Rated @ 2000 RPM - 179 HP (133 kW) Net Peak @ 2000 RPM - 179 HP (133 kW)

Std Power Curve -

Net Rated @ 2000 RPM - 144 HP (107 kW) Net Peak @ 1600 RPM - 163 HP (121 kW)

Eco Power Curve -

Net Rated @ 2000 RPM - 121 HP (90 kW) Net Peak @ 1400 RPM - 138 HP (103 kW)

NOTE: Gross horsepower and torque per SAE J1995 Net horsepower and torque per SAE J1349

#### **ENGINE (CONTD.)**

Torque - Peak

Max Power Range -

Gross 701 lb-ft (950 N-m) @1300 rpm Net 674 lb-ft (914 N-m) @1300 rpm

Standard Power Range -

Gross 620 lb-ft (841 N-m) @1300 rpm Net 594 lb-ft (805 N-m) @1300 rpm

Economy Power Range -

589 lb-ft (799 N-m) @1200 rpm Gross Net 567 lb-ft (768 N-m) @1200 rpm

Torque rise

Max Power Range 37%

#### **DRIVETRAIN**

Transmission

**Planetaries** 

4F/3R Proportional w/Electronic Control Module torque sensing autoshift/manual shift and modulation

Gears		Helical cut
Torque converter		
Stall ratio	4 speed	5 speed
	2.81:1	2.42:1
Differential		Limited slip
	on fron	and rear axles

	011	mont and roar axioo
Rear axle oscillation		24° total
Axles	Front	Rear
Differential ratio	3.364	3.182
Planetary ratio	6.000	6.400
Final axle ratio	20.18	20.36

Special application axles (optional)

Front axle equipped with locking differential Rear axle equipped with open differential

4 speed transmiss	ion travel speeds	
(mph (km/h) w/2	20.5 x 25 L3 tires)	
	Forward	Reverse
1st	4.7 (7.6)	5.0 (8.0)
2nd	7.9 (12.8)	8.4 (13.4)
3rd	15.2 (24.5)	15.9 (25.7)
4th	23.5 (37.8)	NA

NOTE: Travel speeds at full engine throttle. 5 speed transmission w/lock-up torque converter travel speeds (mph (km/h) w/20.5 x 25 L3 tires)

	Forward	Reverse		
1st	4.5 (7.2)	4.9 (7.9)		
2nd	7.8 (12.6)	8.4 (13.5)		
3rd	11.8 (19.0)	19.3 (31.1)		
4th	18.3 (29.5)	NA		
5th	25.0 (40.0)	NA		
NOTE: Travel speeds at full engine throttle				

#### **DRIVETRAIN (CONTD.)**

Parking brakes

Spring-applied hydraulic release disc on transmission output shaft

Service brakes

Hydraulically actuated, maintenance-free, multiple wet disc w/accumulator to all four

wheels

600 in<sup>2</sup> per hub Brake surface area

(0.387 m<sup>2</sup>)

#### **ELECTRICAL**

Voltage	24 Volts, negative ground
Alternator	65 amp
Batteries	(2) 12-Volt

#### **HYDRAULICS**

Pump (steering/implement)

Closed center pressure/flow compensated

Variable displacement maximum flow 6.59 in<sup>3</sup>/rev 54.2 gpm @ 2000 rpm (206 L/min @ 2000 rpm)

Loader control valve

Closed-center, sectional 2, 3 or 4-spool with pilot control for lift, tilt and auxiliary hydraulics, electromagnetic detents in float, raise and rollback

Loader auxilliary steering

Hydraulic orbital center-pivot articulating w/on-demand oil flow

High pressure standby

Implement 3625 psi (25 000 kPa) Steering 3500 psi (24 132 kPa)

Filtration

Stroke

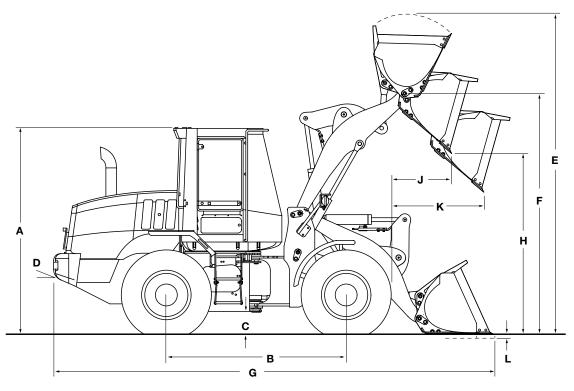
Outboard

10-micron, full flow replaceable cartridges on return line, condition indicator light for filter

#### **CYLINDERS**

Lift cylinder			
Bore diameter	4.75 in (120.6 mm)		
Rod diameter	3.00 in (76.2 mm)		
Stroke	32.59 in (827.9 mm)		
Dump cylinder (Z-Bar and XR)			
Bore diameter	5.75 in (146.0 mm)		
Rod diameter	3.00 in (76.2 mm)		
Stroke	24.78 in (629.4 mm)		
Dump cylinder (XT)			
Bore diameter	4.50 in (114.3 mm)		
Rod diameter	2.25 in (57.2 mm)		

33.72 in (856.5 mm)



#### **DIMENSIONS**

A. Height to top of ROPS cab	133.3 in (3385 mm)
B. Wheelbase	128.1 in (3253 mm)
C. Ground clearance	14.4 in (365 mm)
D. Angle of departure	32°
Width –	
Overall* w/o bucket	104.4 in (2653 mm)
Centerline tread	79.9 in (2030 mm)
Turning radius* – outside	226.4 in (5750 mm)
Turning angle –	
From center	40°
Total angle	80°
Rear axle oscillation, total	24°

NOTE: \*Dimensions taken with 20.5R25 Michelin XTLA tires. For transport dimensions, refer to specific bucket width and overall medium length on pages 3 through 9.

# **WEIGHT ADJUSTMENTS**

Select Options	Weight Adjustment	Tipping Load Adjustment Straight	Tipping Load Adjustment 40° Turn
20.5x25 16 ply L2 tires	-556 lb (-252 kg)	-436 lb (-198 kg)	-385 lb (-175 kg)
20.5x25 16 ply L3 tires	-228 lb (-103 kg)	-179 lb (-81 kg)	-158 lb (-72 kg)
20.5 R25 XTLA TL tires	-380 lb (-172 kg)	-298 lb (-135 kg)	-263 lb (-119 kg)
Standard counterweight	-527 lb (-240 kg)	-1,209 lb (-548 kg)	-1,023 lb (-464 kg)
ROPS Canopy	-295 lb (-134 kg)	-339 lb (-154 kg)	-314 lb (-142 kg)

NOTE: Unit equipped with Z-Bar loader arms, 3.0 yd³ (2.3 m³) general purpose pin on bucket w/bolt-on edge, 20.5R25 XHA Michelin tires, ROPS cab with heater and air conditioner, full counterweight, standard batteries, front and rear fenders, full fuel and 175 lb (79 kg) operator. Adjust select options from rated weight.

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		3.0 yd³ High Density Pin On (2.3 m³) Bucket w/Bolt-on Edge	3.0 yd³ High Density Pin On (2.3 m³) Bucket w/Teeth Only	3.25 yd³ Medium Density Pin On (2.5 m³) Bucket w/Bolt-on Edge
	SAE bucket capacity – struck	2.53 yd³ (1.94 m³)	2.42 yd³ (1.85 m³)	2.76 yd³ (2.11 m³)
_	Heaped	3.01 yd³ (2.30 m³)	2.79 yd <sup>3</sup> (2.13 m <sup>3</sup> )	3.25 yd³ (2.49 m³)
_	Bucket width - outside	106.3 in (2700 mm)	107.6 in (2732 mm)	106.3 in (2700 mm)
	Bucket weight	2,506 lb (1137 kg)	2,605 lb (1182 kg)	2,615 lb (1186 kg)
	Operating height – fully raised w/spillguard	203.5 in (5169 mm)	203.5 in (5169 mm)	205.9 in (5229 mm)
<del></del> F.	Hinge pin height – fully raised	156.7 in (3979 mm)	156.7 in (3979 mm)	156.7 in (3979 mm)
			, ,	, ,
G.	Overall length – bucket level on ground	299.1 in (7596 mm)	305.1 in (7748 mm)	301.1 in (7648 mm)
	Dump angle - fully raised	55°	55°	55°
Н.	Dump height – fully raised, 45° dump	116.7 in (2963 mm)	112.8 in (2864 mm)	115.3 in (2930 mm)
J.	Bucket reach - fully raised, 45° dump	42.7 in (1086 mm)	47.1 in (1196 mm)	44.3 in (1125 mm)
<b>〈</b> .	Bucket reach - 7 ft 0 in (2.13 m) height, 45° dump	64.3 in (1633 mm)	66.9 in (1698 mm)	65.3 in (1658 mm)
	Operating load – ISO	11,686 lb (5301 kg)	11,778 lb (5342 kg)	11,606 lb (5265 kg)
	Maximum material density – SAE	3,525 lb/yd³ (2091 kg/m³)	3,836 lb/yd³ (2276 kg/m³)	3,237 lb/yd³ (1920 kg/m³)
	<u> </u>	3,323 lb/yd (2091 kg/III )	3,830 lb/yd (2270 kg/111)	3,237 lb/yd (1920 kg/111)
	Tipping load – ISO Straight	26,696 lb (12 109 kg)	26,919 lb (12 210 kg)	26,530 lb (12 034 kg)
	40° turn	23,372 lb (10 601 kg)	23,556 lb (10 685 kg)	23,213 lb (10 529 kg)
	Lift capacity –	20,0.2.2 (10 00 1 119)	20,000 is (10 000 iig)	
	Full height	16,288 lb (7388 kg)	16,192 lb (7345 kg)	16,180 lb (7339 kg)
	Maximum reach	22,519 lb (10 214 kg)	22,443 lb (10 180 kg)	22,405 lb (10 163 kg)
	Ground	29,922 lb (13 572 kg)	30,090 lb (13 649 kg)	29,689 lb (13 467 kg)
	Breakout force w/tilt cylinder	32,907 lb (14 926 kg)	35,598 lb (16 147 kg)	31,382 lb (14 235 kg)
	Maximum rollback –			. 3,
	Ground	39°	40°	39°
	Carry position	43°	43°	43°
	@ Maximum reach	54°	54°	54°
	@ Full height	57°	57°	57°
	Dig depth	2.9 in (73 mm)	3.1 in (78 mm)	2.9 in (73 mm)
	Maximum grading angle w/bucket - back dragging	60°	61°	60°
	Loader clearance circle	496.3 in (12 607 mm)	500.9 in (12 724 mm)	497.5 in (12 636 mm)
		,	,	,
'21F/	хт	3.0 yd3 CNH General Purpose (2.3 m3)  Bucket w/ CNH XT Coupler  w/Bolt-on Edge	3.0 yd <sup>3</sup> CNH General Purpose (2.3 m <sup>3</sup> ) Bucket w/ CNH XT Coupler w/Teeth Only	2.6 yd <sup>3</sup> General Purpose (2.0 m <sup>3</sup> 4-in-1 Bucket on CNH XT Couple
	Operating height – fully raised w/spillguard	217.3 in (5519 mm)	217.3 in (5519 mm)	217.4 in (5522 mm)
	Hinge pin height – fully raised	163.8 in (4160 mm)	163.8 in (4160 mm)	163.7 in (4158 mm)
	<u> </u>	· · · · · · · · · · · · · · · · · · ·	· , ,	· · · · · · · · · · · · · · · · · · ·
à	Overall length – bucket level on ground	312.2 in (7931 mm)	318.2 in (8083 mm)	305.0 in (7747 mm)
	Dump angle – fully raised	55°	55°	55°
ł.	Dump height – fully raised, 45° dump	115.0 in (2921 mm)	111.1 in (2822 mm)	119.6 in (3038 mm)
	Bucket reach - fully raised, 45° dump	50.3 in (1279 mm)	54.6 in (1386 mm)	44.6 in (1133 mm)
ζ.	Bucket reach - 7 ft 0 in (2.13 m) height, 45° dump	72.1 in (1832 mm)	74.4 in (1889 mm)	68.5 in (1739 mm)
-	<u> </u>	9,878 lb (4481 kg)	10,070 lb (4568 kg)	9,689 lb (4395 kg)
	Operating load – ISO	, , ,	, , ,	, ( 0,
	Maximum material density – SAE	3,032 lb/yd³ (1799 kg/m³)	3,267 lb/yd³ (1938 kg/m³)	3,354 lb/yd³ (1990 kg/m³)
	Tipping load – ISO Straight			
		22,683 lb (10 289 kg) 19 757 lb (8962 kg)	23,094 lb (10 475 kg)	22,392 lb (10 157 kg)
	40° turn	22,683 lb (10 289 kg) 19,757 lb (8962 kg)	23,094 lb (10 475 kg) 20,140 lb (9135 kg)	22,392 lb (10 157 kg) 19,387 lb (8790 kg)
	40° turn Lift capacity –	19,757 lb (8962 kg)	20,140 lb (9135 kg)	19,387 lb (8790 kg)
	40° turn  Lift capacity – Full height	19,757 lb (8962 kg) 14,289 lb (6481 kg)	20,140 lb (9135 kg) 14526 lb (6589 kg)	19,387 lb (8790 kg) 13,324 lb (6044 kg)
	40° turn Lift capacity –	19,757 lb (8962 kg)	20,140 lb (9135 kg)	19,387 lb (8790 kg)
	40° turn  Lift capacity – Full height Maximum reach	19,757 lb (8962 kg) 14,289 lb (6481 kg) 19,988 lb (9067 kg) 31,027 lb (14 074 kg)	20,140 lb (9135 kg) 14526 lb (6589 kg) 20,185 lb (9156 kg) 30,988 lb (14 056 kg)	19,387 lb (8790 kg) 13,324 lb (6044 kg) 18,837 lb (8545 kg)
	40° turn  Lift capacity – Full height Maximum reach Ground  Breakout force w/tilt cylinder	19,757 lb (8962 kg) 14,289 lb (6481 kg) 19,988 lb (9067 kg) 31,027 lb (14 074 kg) 27,860 lb (12 637 kg)	20,140 lb (9135 kg) 14526 lb (6589 kg) 20,185 lb (9156 kg) 30,988 lb (14 056 kg) 29,852 lb (13 541 kg)	19,387 lb (8790 kg)  13,324 lb (6044 kg) 18,837 lb (8545 kg) 29,364 lb (13 319 kg) 31,837 lb (14 441 kg)
	40° turn  Lift capacity – Full height Maximum reach Ground  Breakout force w/tilt cylinder  Loader clearance circle	19,757 lb (8962 kg)  14,289 lb (6481 kg) 19,988 lb (9067 kg) 31,027 lb (14 074 kg) 27,860 lb (12 637 kg) 495.7 in (12 592 mm)	20,140 lb (9135 kg) 14526 lb (6589 kg) 20,185 lb (9156 kg) 30,988 lb (14 056 kg) 29,852 lb (13 541 kg) 499.5 in (12 687 mm)	19,387 lb (8790 kg)  13,324 lb (6044 kg) 18,837 lb (8545 kg) 29,364 lb (13 319 kg) 31,837 lb (14 441 kg) 492.9 in (12 519 mm)
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i.	40° turn  Lift capacity – Full height Maximum reach Ground  Breakout force w/tilt cylinder  Loader clearance circle  XR  Operating height – fully raised w/spillguard  Hinge pin height – fully raised	19,757 lb (8962 kg)  14,289 lb (6481 kg) 19,988 lb (9067 kg) 31,027 lb (14 074 kg) 27,860 lb (12 637 kg) 495.7 in (12 592 mm)  3.0 yd³ High Density Pin On (2.3 m³) Bucket w/Bolt-on Edge 219.0 in (5564 mm) 172.2 in (4374 mm)	20,140 lb (9135 kg)  14526 lb (6589 kg) 20,185 lb (9156 kg) 30,988 lb (14 056 kg) 29,852 lb (13 541 kg) 499.5 in (12 687 mm)  3.0 yd³ High Density Pin On (2.3 m³) Bucket w/Teeth Only  219.0 in (5563 mm)  172.2 in (4374 mm)	19,387 lb (8790 kg)  13,324 lb (6044 kg) 18,837 lb (8545 kg) 29,364 lb (13 319 kg) 31,837 lb (14 441 kg) 492.9 in (12 519 mm)  3.25 yd³ Medium Density Pin On (2.5 m³) Bucket w/Bolt-on Edge 221.4 in (5623 mm) 172.2 in (4374 mm)
i.	40° turn  Lift capacity – Full height Maximum reach Ground  Breakout force w/tilt cylinder Loader clearance circle  XR  Operating height – fully raised w/spillguard Hinge pin height – fully raised Overall length – bucket level on ground	19,757 lb (8962 kg)  14,289 lb (6481 kg) 19,988 lb (9067 kg) 31,027 lb (14 074 kg) 27,860 lb (12 637 kg) 495.7 in (12 592 mm)  3.0 yd³ High Density Pin On (2.3 m³) Bucket w/Bolt-on Edge 219.0 in (5564 mm) 172.2 in (4374 mm) 313.2 in (7955 mm)	20,140 lb (9135 kg)  14526 lb (6589 kg) 20,185 lb (9156 kg) 30,988 lb (14 056 kg) 29,852 lb (13 541 kg) 499.5 in (12 687 mm)  3.0 yd³ High Density Pin On (2.3 m³) Bucket w/Teeth Only  219.0 in (5563 mm)  172.2 in (4374 mm)  319.1 in (8106 mm)	19,387 lb (8790 kg)  13,324 lb (6044 kg) 18,837 lb (8545 kg) 29,364 lb (13 319 kg) 31,837 lb (14 441 kg) 492.9 in (12 519 mm)  3.25 yd³ Medium Density Pin On (2.5 m³) Bucket w/Bolt-on Edge 221.4 in (5623 mm) 172.2 in (4374 mm) 315.2 in (8006 mm)
	40° turn  Lift capacity – Full height Maximum reach Ground  Breakout force w/tilt cylinder Loader clearance circle  XR  Operating height – fully raised w/spillguard Hinge pin height – fully raised Overall length – bucket level on ground Dump angle – fully raised	19,757 lb (8962 kg)  14,289 lb (6481 kg) 19,988 lb (9067 kg) 31,027 lb (14 074 kg) 27,860 lb (12 637 kg) 495.7 in (12 592 mm)  3.0 yd³ High Density Pin On (2.3 m³) Bucket w/Bolt-on Edge 219.0 in (5564 mm) 172.2 in (4374 mm) 313.2 in (7955 mm)	20,140 lb (9135 kg)  14526 lb (6589 kg) 20,185 lb (9156 kg) 30,988 lb (14 056 kg) 29,852 lb (13 541 kg) 499.5 in (12 687 mm)  3.0 yd³ High Density Pin On (2.3 m³) Bucket w/Teeth Only 219.0 in (5563 mm) 172.2 in (4374 mm) 319.1 in (8106 mm)	19,387 lb (8790 kg)  13,324 lb (6044 kg) 18,837 lb (8545 kg) 29,364 lb (13 319 kg) 31,837 lb (14 441 kg) 492.9 in (12 519 mm)  3.25 yd³ Medium Density Pin On (2.5 m³) Bucket w/Bolt-on Edge 221.4 in (5623 mm) 172.2 in (4374 mm) 315.2 in (8006 mm) 55°
i.	40° turn  Lift capacity – Full height Maximum reach Ground  Breakout force w/tilt cylinder Loader clearance circle  XR  Operating height – fully raised w/spillguard Hinge pin height – fully raised Overall length – bucket level on ground Dump angle – fully raised Dump height – fully raised,45° dump	19,757 lb (8962 kg)  14,289 lb (6481 kg) 19,988 lb (9067 kg) 31,027 lb (14 074 kg)  27,860 lb (12 637 kg)  495.7 in (12 592 mm)  3.0 yd³ High Density Pin On (2.3 m³)  Bucket w/Bolt-on Edge  219.0 in (5564 mm)  172.2 in (4374 mm)  313.2 in (7955 mm)  55°  132.2 in (3358 mm)	20,140 lb (9135 kg)  14526 lb (6589 kg) 20,185 lb (9156 kg) 30,988 lb (14 056 kg) 29,852 lb (13 541 kg) 499.5 in (12 687 mm)  3.0 yd³ High Density Pin On (2.3 m³) Bucket w/Teeth Only 219.0 in (5563 mm)  172.2 in (4374 mm) 319.1 in (8106 mm) 55°  128.3 in (3259 mm)	19,387 lb (8790 kg)  13,324 lb (6044 kg) 18,837 lb (8545 kg) 29,364 lb (13 319 kg) 31,837 lb (14 441 kg) 492.9 in (12 519 mm)  3.25 yd³ Medium Density Pin On (2.5 m³) Bucket w/Bolt-on Edge 221.4 in (5623 mm) 172.2 in (4374 mm) 315.2 in (8006 mm)  55° 130.9 in (3324 mm)
ì.	40° turn  Lift capacity – Full height Maximum reach Ground  Breakout force w/tilt cylinder Loader clearance circle  XR  Operating height – fully raised w/spillguard Hinge pin height – fully raised Overall length – bucket level on ground Dump angle – fully raised	19,757 lb (8962 kg)  14,289 lb (6481 kg) 19,988 lb (9067 kg) 31,027 lb (14 074 kg) 27,860 lb (12 637 kg) 495.7 in (12 592 mm)  3.0 yd³ High Density Pin On (2.3 m³) Bucket w/Bolt-on Edge 219.0 in (5564 mm) 172.2 in (4374 mm) 313.2 in (7955 mm)	20,140 lb (9135 kg)  14526 lb (6589 kg) 20,185 lb (9156 kg) 30,988 lb (14 056 kg) 29,852 lb (13 541 kg) 499.5 in (12 687 mm)  3.0 yd³ High Density Pin On (2.3 m³) Bucket w/Teeth Only 219.0 in (5563 mm) 172.2 in (4374 mm) 319.1 in (8106 mm)	19,387 lb (8790 kg)  13,324 lb (6044 kg) 18,837 lb (8545 kg) 29,364 lb (13 319 kg) 31,837 lb (14 441 kg) 492.9 in (12 519 mm)  3.25 yd³ Medium Density Pin On (2.5 m³) Bucket w/Bolt-on Edge 221.4 in (5623 mm) 172.2 in (4374 mm) 315.2 in (8006 mm) 55°
i. i. i.	40° turn  Lift capacity – Full height Maximum reach Ground  Breakout force w/tilt cylinder Loader clearance circle  XR  Operating height – fully raised w/spillguard Hinge pin height – fully raised Overall length – bucket level on ground Dump angle – fully raised Dump height – fully raised,45° dump	19,757 lb (8962 kg)  14,289 lb (6481 kg) 19,988 lb (9067 kg) 31,027 lb (14 074 kg)  27,860 lb (12 637 kg)  495.7 in (12 592 mm)  3.0 yd³ High Density Pin On (2.3 m³)  Bucket w/Bolt-on Edge  219.0 in (5564 mm)  172.2 in (4374 mm)  313.2 in (7955 mm)  55°  132.2 in (3358 mm)	20,140 lb (9135 kg)  14526 lb (6589 kg) 20,185 lb (9156 kg) 30,988 lb (14 056 kg) 29,852 lb (13 541 kg) 499.5 in (12 687 mm)  3.0 yd³ High Density Pin On (2.3 m³) Bucket w/Teeth Only 219.0 in (5563 mm)  172.2 in (4374 mm) 319.1 in (8106 mm) 55°  128.3 in (3259 mm)	19,387 lb (8790 kg)  13,324 lb (6044 kg) 18,837 lb (8545 kg) 29,364 lb (13 319 kg) 31,837 lb (14 441 kg) 492.9 in (12 519 mm)  3.25 yd³ Medium Density Pin On (2.5 m³) Bucket w/Bolt-on Edge 221.4 in (5623 mm) 172.2 in (4374 mm) 315.2 in (8006 mm)  55° 130.9 in (3324 mm)
i.	40° turn  Lift capacity – Full height Maximum reach Ground  Breakout force w/tilt cylinder Loader clearance circle  XR  Operating height – fully raised w/spillguard Hinge pin height – fully raised Overall length – bucket level on ground Dump angle – fully raised Dump height – fully raised,45° dump Bucket reach – fully raised, 45° dump Bucket reach – 7 ft 0 in (2.13 m) height, 45° dump	19,757 lb (8962 kg)  14,289 lb (6481 kg) 19,988 lb (9067 kg) 31,027 lb (14 074 kg)  27,860 lb (12 637 kg)  495.7 in (12 592 mm)  3.0 yd³ High Density Pin On (2.3 m³)  Bucket w/Bolt-on Edge  219.0 in (5564 mm)  172.2 in (4374 mm)  313.2 in (7955 mm)  55°  132.2 in (3358 mm)  42.8 in (1087 mm)  76.4 in (1942 mm)	20,140 lb (9135 kg)  14526 lb (6589 kg) 20,185 lb (9156 kg) 30,988 lb (14 056 kg) 29,852 lb (13 541 kg) 499.5 in (12 687 mm)  3.0 yd³ High Density Pin On (2.3 m³) Bucket w/Teeth Only 219.0 in (5563 mm) 172.2 in (4374 mm) 319.1 in (8106 mm) 55° 128.3 in (3259 mm) 47.1 in (1197 mm) 79.2 in (2012 mm)	19,387 lb (8790 kg)  13,324 lb (6044 kg) 18,837 lb (8545 kg) 29,364 lb (13 319 kg) 31,837 lb (14 441 kg) 492.9 in (12 519 mm)  3.25 yd³ Medium Density Pin On (2.5 m³) Bucket w/Bolt-on Edge 221.4 in (5623 mm) 172.2 in (4374 mm) 315.2 in (8006 mm)  55° 130.9 in (3324 mm) 44.3 in (1126 mm) 77.5 in (1968 mm)
i. i. i.	40° turn  Lift capacity – Full height Maximum reach Ground  Breakout force w/tilt cylinder Loader clearance circle  XR  Operating height – fully raised w/spillguard Hinge pin height – fully raised Overall length – bucket level on ground Dump angle – fully raised Dump height – fully raised, 45° dump Bucket reach – fully raised, 45° dump Bucket reach – 7 ft 0 in (2.13 m) height, 45° dump Operating load – ISO	19,757 lb (8962 kg)  14,289 lb (6481 kg) 19,988 lb (9067 kg) 31,027 lb (14 074 kg)  27,860 lb (12 637 kg)  495.7 in (12 592 mm)  3.0 yd³ High Density Pin On (2.3 m³)  Bucket w/Bolt-on Edge  219.0 in (5564 mm)  172.2 in (4374 mm)  313.2 in (7955 mm)  55°  132.2 in (3358 mm)  42.8 in (1087 mm)  76.4 in (1942 mm)  9,785 lb (4438 kg)	20,140 lb (9135 kg)  14526 lb (6589 kg) 20,185 lb (9156 kg) 30,988 lb (14 056 kg) 29,852 lb (13 541 kg) 499.5 in (12 687 mm)  3.0 yd³ High Density Pin On (2.3 m³) Bucket w/Teeth Only 219.0 in (5563 mm) 172.2 in (4374 mm) 319.1 in (8106 mm) 55° 128.3 in (3259 mm) 47.1 in (1197 mm) 79.2 in (2012 mm) 9,841 lb (4464 kg)	19,387 lb (8790 kg)  13,324 lb (6044 kg) 18,837 lb (8545 kg) 29,364 lb (13 319 kg) 31,837 lb (14 441 kg) 492.9 in (12 519 mm)  3.25 yd³ Medium Density Pin On (2.5 m³) Bucket w/Bolt-on Edge  221.4 in (5623 mm)  172.2 in (4374 mm)  315.2 in (8006 mm)  55°  130.9 in (3324 mm)  44.3 in (1126 mm)  77.5 in (1968 mm)  9,709 lb (4404 kg)
i.	40° turn  Lift capacity – Full height Maximum reach Ground  Breakout force w/tilt cylinder Loader clearance circle  XR  Operating height – fully raised w/spillguard Hinge pin height – fully raised Overall length – bucket level on ground Dump angle – fully raised Dump height – fully raised,45° dump Bucket reach – fully raised, 45° dump Bucket reach – 7 ft 0 in (2.13 m) height, 45° dump Operating load – ISO Maximum material density – SAE	19,757 lb (8962 kg)  14,289 lb (6481 kg) 19,988 lb (9067 kg) 31,027 lb (14 074 kg)  27,860 lb (12 637 kg)  495.7 in (12 592 mm)  3.0 yd³ High Density Pin On (2.3 m³)  Bucket w/Bolt-on Edge  219.0 in (5564 mm)  172.2 in (4374 mm)  313.2 in (7955 mm)  55°  132.2 in (3358 mm)  42.8 in (1087 mm)  76.4 in (1942 mm)	20,140 lb (9135 kg)  14526 lb (6589 kg) 20,185 lb (9156 kg) 30,988 lb (14 056 kg) 29,852 lb (13 541 kg) 499.5 in (12 687 mm)  3.0 yd³ High Density Pin On (2.3 m³) Bucket w/Teeth Only 219.0 in (5563 mm) 172.2 in (4374 mm) 319.1 in (8106 mm) 55° 128.3 in (3259 mm) 47.1 in (1197 mm) 79.2 in (2012 mm)	19,387 lb (8790 kg)  13,324 lb (6044 kg) 18,837 lb (8545 kg) 29,364 lb (13 319 kg) 31,837 lb (14 441 kg) 492.9 in (12 519 mm)  3.25 yd³ Medium Density Pin On (2.5 m³) Bucket w/Bolt-on Edge 221.4 in (5623 mm) 172.2 in (4374 mm) 315.2 in (8006 mm)  55° 130.9 in (3324 mm) 44.3 in (1126 mm) 77.5 in (1968 mm)
i. i. i.	40° turn  Lift capacity – Full height Maximum reach Ground  Breakout force w/tilt cylinder Loader clearance circle  XR  Operating height – fully raised w/spillguard Hinge pin height – fully raised Overall length – bucket level on ground Dump angle – fully raised Dump height – fully raised, 45° dump Bucket reach – fully raised, 45° dump Bucket reach – 7 ft 0 in (2.13 m) height, 45° dump Operating load – ISO	19,757 lb (8962 kg)  14,289 lb (6481 kg) 19,988 lb (9067 kg) 31,027 lb (14 074 kg)  27,860 lb (12 637 kg)  495.7 in (12 592 mm)  3.0 yd³ High Density Pin On (2.3 m³)  Bucket w/Bolt-on Edge  219.0 in (5564 mm)  172.2 in (4374 mm)  313.2 in (7955 mm)  55°  132.2 in (3358 mm)  42.8 in (1087 mm)  76.4 in (1942 mm)  9,785 lb (4438 kg)	20,140 lb (9135 kg)  14526 lb (6589 kg) 20,185 lb (9156 kg) 30,988 lb (14 056 kg) 29,852 lb (13 541 kg) 499.5 in (12 687 mm)  3.0 yd³ High Density Pin On (2.3 m³) Bucket w/Teeth Only 219.0 in (5563 mm) 172.2 in (4374 mm) 319.1 in (8106 mm) 55° 128.3 in (3259 mm) 47.1 in (1197 mm) 79.2 in (2012 mm) 9,841 lb (4464 kg)	19,387 lb (8790 kg)  13,324 lb (6044 kg) 18,837 lb (8545 kg) 29,364 lb (13 319 kg) 31,837 lb (14 441 kg) 492.9 in (12 519 mm)  3.25 yd³ Medium Density Pin On (2.5 m³) Bucket w/Bolt-on Edge  221.4 in (5623 mm)  172.2 in (4374 mm)  315.2 in (8006 mm)  55°  130.9 in (3324 mm)  44.3 in (1126 mm)  77.5 in (1968 mm)  9,709 lb (4404 kg)
i. i. i.	40° turn  Lift capacity – Full height Maximum reach Ground  Breakout force w/tilt cylinder Loader clearance circle  XR  Operating height – fully raised w/spillguard Hinge pin height – fully raised Overall length – bucket level on ground Dump angle – fully raised Dump height – fully raised,45° dump Bucket reach – fully raised, 45° dump Bucket reach – 7 ft 0 in (2.13 m) height, 45° dump Operating load – ISO Maximum material density – SAE Tipping load – ISO Straight 40° turn	19,757 lb (8962 kg)  14,289 lb (6481 kg) 19,988 lb (9067 kg) 31,027 lb (14 074 kg)  27,860 lb (12 637 kg)  495.7 in (12 592 mm)  3.0 yd³ High Density Pin On (2.3 m³) Bucket w/Bolt-on Edge  219.0 in (5564 mm)  172.2 in (4374 mm)  313.2 in (7955 mm)  55°  132.2 in (3358 mm)  42.8 in (1087 mm)  76.4 in (1942 mm)  9,785 lb (4438 kg)  2,976 lb/yd³ (1766 kg/m³)  22,473 lb (10 194 kg)	20,140 lb (9135 kg)  14526 lb (6589 kg) 20,185 lb (9156 kg) 30,988 lb (14 056 kg) 29,852 lb (13 541 kg) 499.5 in (12 687 mm)  3.0 yd³ High Density Pin On (2.3 m³) Bucket w/Teeth Only  219.0 in (5563 mm)  172.2 in (4374 mm) 319.1 in (8106 mm) 55° 128.3 in (3259 mm) 47.1 in (1197 mm) 79.2 in (2012 mm) 9,841 lb (4464 kg) 3,233 lb/yd³ (1918 kg/m³)  22,617 lb (10 259 kg)	19,387 lb (8790 kg)  13,324 lb (6044 kg) 18,837 lb (8545 kg) 29,364 lb (13 319 kg) 31,837 lb (14 441 kg) 492.9 in (12 519 mm)  3.25 yd³ Medium Density Pin On (2.5 m³) Bucket w/Bolt-on Edge  221.4 in (5623 mm) 172.2 in (4374 mm) 315.2 in (8006 mm)  55° 130.9 in (3324 mm) 44.3 in (1126 mm) 77.5 in (1968 mm) 9,709 lb (4404 kg) 2,731 lb/yd³ (1620 kg/m³)  22.315 lb (10 122 kg)
i. i. i.	40° turn  Lift capacity – Full height Maximum reach Ground  Breakout force w/tilt cylinder  Loader clearance circle  XR  Operating height – fully raised w/spillguard Hinge pin height – fully raised Overall length – bucket level on ground Dump angle – fully raised Dump height – fully raised,45° dump Bucket reach – fully raised, 45° dump Bucket reach – 7 ft 0 in (2.13 m) height, 45° dump Operating load – ISO Maximum material density – SAE  Tipping load – ISO Straight 40° turn  Lift capacity –	19,757 lb (8962 kg)  14,289 lb (6481 kg) 19,988 lb (9067 kg) 31,027 lb (14 074 kg) 27,860 lb (12 637 kg) 495.7 in (12 592 mm)  3.0 yd³ High Density Pin On (2.3 m³) Bucket w/Bolt-on Edge 219.0 in (5564 mm) 172.2 in (4374 mm) 313.2 in (7955 mm)  55° 132.2 in (3358 mm) 42.8 in (1087 mm) 76.4 in (1942 mm) 9,785 lb (4438 kg) 2,976 lb/yd³ (1766 kg/m³)  22,473 lb (10 194 kg) 19,569 lb (8876 kg)	20,140 lb (9135 kg)  14526 lb (6589 kg) 20,185 lb (9156 kg) 30,988 lb (14 056 kg) 29,852 lb (13 541 kg) 499.5 in (12 687 mm)  3.0 yd³ High Density Pin On (2.3 m³) Bucket w/Teeth Only 219.0 in (5563 mm) 172.2 in (4374 mm) 319.1 in (8106 mm) 55° 128.3 in (3259 mm) 47.1 in (1197 mm) 79.2 in (2012 mm) 9,841 lb (4464 kg) 3,233 lb/yd³ (1918 kg/m³)  22,617 lb (10 259 kg) 19,683 lb (8928 kg)	19,387 lb (8790 kg)  13,324 lb (6044 kg) 18,837 lb (8545 kg) 29,364 lb (13 319 kg) 31,837 lb (14 441 kg) 492.9 in (12 519 mm)  3.25 yd³ Medium Density Pin On (2.5 m³) Bucket w/Bolt-on Edge  221.4 in (5623 mm)  172.2 in (4374 mm)  315.2 in (8006 mm)  55° 130.9 in (3324 mm)  44.3 in (1126 mm)  77.5 in (1968 mm) 9,709 lb (4404 kg) 2,731 lb/yd³ (1620 kg/m³)  22.315 lb (10 122 kg) 19,417 lb (8808 kg)
i. i. i.	40° turn  Lift capacity – Full height Maximum reach Ground  Breakout force w/tilt cylinder Loader clearance circle  XR  Operating height – fully raised w/spillguard Hinge pin height – fully raised Overall length – bucket level on ground Dump angle – fully raised Dump height – fully raised,45° dump Bucket reach – fully raised, 45° dump Bucket reach – 7 ft 0 in (2.13 m) height, 45° dump Operating load – ISO Maximum material density – SAE Tipping load – ISO Straight 40° turn	19,757 lb (8962 kg)  14,289 lb (6481 kg) 19,988 lb (9067 kg) 31,027 lb (14 074 kg)  27,860 lb (12 637 kg)  495.7 in (12 592 mm)  3.0 yd³ High Density Pin On (2.3 m³) Bucket w/Bolt-on Edge  219.0 in (5564 mm)  172.2 in (4374 mm)  313.2 in (7955 mm)  55°  132.2 in (3358 mm)  42.8 in (1087 mm)  76.4 in (1942 mm)  9,785 lb (4438 kg)  2,976 lb/yd³ (1766 kg/m³)  22,473 lb (10 194 kg)	20,140 lb (9135 kg)  14526 lb (6589 kg) 20,185 lb (9156 kg) 30,988 lb (14 056 kg) 29,852 lb (13 541 kg) 499.5 in (12 687 mm)  3.0 yd³ High Density Pin On (2.3 m³) Bucket w/Teeth Only  219.0 in (5563 mm)  172.2 in (4374 mm) 319.1 in (8106 mm) 55° 128.3 in (3259 mm) 47.1 in (1197 mm) 79.2 in (2012 mm) 9,841 lb (4464 kg) 3,233 lb/yd³ (1918 kg/m³)  22,617 lb (10 259 kg)	19,387 lb (8790 kg)  13,324 lb (6044 kg) 18,837 lb (8545 kg) 29,364 lb (13 319 kg) 31,837 lb (14 441 kg) 492.9 in (12 519 mm)  3.25 yd³ Medium Density Pin On (2.5 m³) Bucket w/Bolt-on Edge  221.4 in (5623 mm) 172.2 in (4374 mm) 315.2 in (8006 mm) 55° 130.9 in (3324 mm) 44.3 in (1126 mm) 77.5 in (1968 mm) 9,709 lb (4404 kg) 2,731 lb/yd³ (1620 kg/m³)  22.315 lb (10 122 kg)
i. i. i.	40° turn  Lift capacity – Full height Maximum reach Ground  Breakout force w/tilt cylinder Loader clearance circle  XR  Operating height – fully raised w/spillguard Hinge pin height – fully raised Overall length – bucket level on ground Dump angle – fully raised Dump height – fully raised, 45° dump Bucket reach – fully raised, 45° dump Bucket reach – 7 ft 0 in (2.13 m) height, 45° dump Operating load – ISO Maximum material density – SAE Tipping load – ISO Straight 40° turn  Lift capacity – Full height	19,757 lb (8962 kg)  14,289 lb (6481 kg) 19,988 lb (9067 kg) 31,027 lb (14 074 kg)  27,860 lb (12 637 kg)  495.7 in (12 592 mm)  3.0 yd³ High Density Pin On (2.3 m³)  Bucket w/Bolt-on Edge  219.0 in (5564 mm)  172.2 in (4374 mm)  313.2 in (7955 mm)  55°  132.2 in (3358 mm)  42.8 in (1087 mm)  76.4 in (1942 mm)  9,785 lb (4438 kg)  2,976 lb/yd³ (1766 kg/m³)  22,473 lb (10 194 kg) 19,569 lb (8876 kg)	20,140 lb (9135 kg)  14526 lb (6589 kg) 20,185 lb (9156 kg) 30,988 lb (14 056 kg) 29,852 lb (13 541 kg) 499.5 in (12 687 mm)  3.0 yd³ High Density Pin On (2.3 m³) Bucket w/Teeth Only 219.0 in (5563 mm) 172.2 in (4374 mm) 319.1 in (8106 mm) 55° 128.3 in (3259 mm) 47.1 in (1197 mm) 79.2 in (2012 mm) 9,841 lb (4464 kg) 3,233 lb/yd³ (1918 kg/m³)  22,617 lb (10 259 kg) 19,683 lb (8928 kg)  15,085 lb (6842 kg)	19,387 lb (8790 kg)  13,324 lb (6044 kg) 18,837 lb (8545 kg) 29,364 lb (13 319 kg) 31,837 lb (14 441 kg) 492.9 in (12 519 mm)  3.25 yd³ Medium Density Pin On (2.5 m³) Bucket w/Bolt-on Edge 221.4 in (5623 mm) 172.2 in (4374 mm) 315.2 in (8006 mm)  55° 130.9 in (3324 mm) 44.3 in (1126 mm) 77.5 in (1968 mm) 9,709 lb (4404 kg) 2,731 lb/yd³ (1620 kg/m³)  22.315 lb (10 122 kg) 19,417 lb (8808 kg)  15,073 lb (6837 kg)
E. F. G. H.	40° turn  Lift capacity – Full height Maximum reach Ground  Breakout force w/tilt cylinder  Loader clearance circle  XR  Operating height – fully raised w/spillguard  Hinge pin height – fully raised Overall length – bucket level on ground  Dump angle – fully raised  Dump height – fully raised,45° dump  Bucket reach – fully raised, 45° dump  Bucket reach – 7 ft 0 in (2.13 m) height, 45° dump  Operating load – ISO  Maximum material density – SAE  Tipping load – ISO Straight 40° turn  Lift capacity – Full height Maximum reach Ground	19,757 lb (8962 kg)  14,289 lb (6481 kg) 19,988 lb (9067 kg) 31,027 lb (14 074 kg)  27,860 lb (12 637 kg) 495.7 in (12 592 mm)  3.0 yd³ High Density Pin On (2.3 m³) Bucket w/Bolt-on Edge  219.0 in (5564 mm)  172.2 in (4374 mm)  313.2 in (7955 mm)  55°  132.2 in (3358 mm)  42.8 in (1087 mm)  76.4 in (1942 mm)  9,785 lb (4438 kg) 2,976 lb/yd³ (1766 kg/m³)  22,473 lb (10 194 kg) 19,569 lb (8876 kg) 20,200 lb (9163 kg) 24,933 lb (11 310 kg)	20,140 lb (9135 kg)  14526 lb (6589 kg) 20,185 lb (9156 kg) 30,988 lb (14 056 kg) 29,852 lb (13 541 kg) 499.5 in (12 687 mm)  3.0 yd³ High Density Pin On (2.3 m³) Bucket w/Teeth Only  219.0 in (5563 mm) 172.2 in (4374 mm) 319.1 in (8106 mm)  55° 128.3 in (3259 mm) 47.1 in (1197 mm) 79.2 in (2012 mm) 9,841 lb (4464 kg) 3,233 lb/yd³ (1918 kg/m³)  22,617 lb (10 259 kg) 19,683 lb (6842 kg) 20,122 lb (9127 kg) 25,033 lb (11 355 kg)	19,387 lb (8790 kg)  13,324 lb (6044 kg) 18,837 lb (8545 kg) 29,364 lb (13 319 kg) 31,837 lb (14 441 kg) 492.9 in (12 519 mm)  3.25 yd³ Medium Density Pin On (2.5 m³) Bucket w/Bolt-on Edge  221.4 in (5623 mm) 172.2 in (4374 mm) 315.2 in (8006 mm)  55° 130.9 in (3324 mm) 44.3 in (1126 mm) 77.5 in (1968 mm) 9,709 lb (4404 kg) 2,731 lb/yd³ (1620 kg/m³)  22.315 lb (10 122 kg) 19,417 lb (8808 kg)  15,073 lb (6837 kg) 20,086 lb (9111 kg) 24,726 lb (11 216 kg)
721F E. F. G. H. J. K.	40° turn  Lift capacity – Full height Maximum reach Ground  Breakout force w/tilt cylinder Loader clearance circle  XR  Operating height – fully raised w/spillguard Hinge pin height – fully raised Overall length – bucket level on ground Dump angle – fully raised Dump height – fully raised,45° dump Bucket reach – fully raised, 45° dump Bucket reach – fully raised, 45° dump Operating load – ISO Maximum material density – SAE  Tipping load – ISO Straight 40° turn  Lift capacity – Full height Maximum reach	19,757 lb (8962 kg)  14,289 lb (6481 kg) 19,988 lb (9067 kg) 31,027 lb (14 074 kg)  27,860 lb (12 637 kg)  495.7 in (12 592 mm)  3.0 yd³ High Density Pin On (2.3 m³)  Bucket w/Bolt-on Edge  219.0 in (5564 mm)  172.2 in (4374 mm)  313.2 in (7955 mm)  55°  132.2 in (3358 mm)  42.8 in (1087 mm)  76.4 in (1942 mm)  9,785 lb (4438 kg)  2,976 lb/yd³ (1766 kg/m³)  22,473 lb (10 194 kg) 19,569 lb (8876 kg)  15,182 lb (6886 kg) 20,200 lb (9163 kg)	20,140 lb (9135 kg)  14526 lb (6589 kg) 20,185 lb (9156 kg) 30,988 lb (14 056 kg) 29,852 lb (13 541 kg) 499.5 in (12 687 mm)  3.0 yd³ High Density Pin On (2.3 m³) Bucket w/Teeth Only  219.0 in (5563 mm) 172.2 in (4374 mm) 319.1 in (8106 mm)  55° 128.3 in (3259 mm) 47.1 in (1197 mm) 79.2 in (2012 mm) 9,841 lb (4464 kg) 3,233 lb/yd³ (1918 kg/m³)  22,617 lb (10 259 kg) 19,683 lb (8928 kg)  15,085 lb (6842 kg) 20,122 lb (9127 kg)	19,387 lb (8790 kg)  13,324 lb (6044 kg) 18,837 lb (8545 kg) 29,364 lb (13 319 kg) 31,837 lb (14 441 kg) 492.9 in (12 519 mm)  3.25 yd³ Medium Density Pin On (2.5 m³) Bucket w/Bolt-on Edge 221.4 in (5623 mm) 172.2 in (4374 mm) 315.2 in (8006 mm)  55° 130.9 in (3324 mm) 44.3 in (1126 mm) 77.5 in (1968 mm) 9,709 lb (4404 kg) 2,731 lb/yd³ (1620 kg/m³)  22.315 lb (10 122 kg) 19,417 lb (8808 kg)  15,073 lb (6837 kg) 20,086 lb (9111 kg)

721F	- Z-Bar	3.25 yd³ Medium Density Pin On (2.5 m³) Bucket w/Teeth Only	3.5 yd³ Low Density Pin On (2.7 m³) Bucket w/Bolt-on Edge	3.5 yd³ (2.7 m³) Bucket w/Grapple w/Bolt-on Edge
	SAE bucket capacity – struck	2.62 yd³ (2.00 m³)	3.01 yd³ (2.30 m³)	3.03 yd³ (2.32 m³)
	Heaped	3.01 yd³ (2.30 m³)	3.50 yd³ (2.68 m³)	3.49 yd³ (2.67 m³)
	Bucket width - outside	107.6 in (2732 mm)	106.3 in (2700 mm)	106.3 in (2700 mm)
	Bucket weight	2,700 lb (1225 kg)	2,823 lb (1280 kg)	4366 lb (1981 kg)
	Operating height – fully raised w/spillguard	205.8 in (5228 mm)	208.6 in (5297 mm)	208.1 in (5286 mm)
	Hinge pin height – fully raised	156.7 in (3979 mm)	156.7 in (3979 mm)	156.6 in (3977 mm)
	Overall length - bucket level on ground	307.1 in (7800 mm)	303.5 in (7708 mm)	303.5 in (7710 mm)
	Dump angle – fully raised	55°	55°	55°
	Dump height – fully raised, 45° dump	111.5 in (2831 mm)	113.8 in (2891 mm)	113.7 in (2889 mm)
	Bucket reach - fully raised, 45° dump	48.6 in (1235 mm)	46.1 in (1171 mm)	46.1 in (1171 mm)
	Bucket reach - 7 ft 0 in (2.13 m) height, 45° dump	67.8 in (1721 mm)	66.4 in (1686 mm)	66.3 in (1685 mm)
	Operating load – ISO	11,706 lb (5310 kg)	11,461 lb (5199 kg)	10,527 lb (4775 kg)
	Maximum material density – SAE	3,526 lb/yd³ (2092 kg/m³)	2,964 lb/yd³ (1759 kg/m³)	2,702 lb/yd³ (1603 kg/m³)
	Tipping load – ISO Straight 40° turn	26,769 lb (12 142 kg) 23,413 lb (10 620 kg)	26,227 lb (11 896 kg) 22,922 lb (10 397 kg)	24,316 lb (11 029 kg) 21,055 lb (9550 kg)
	Lift capacity – Full height Maximum reach Ground	16,097 lb (7302 kg) 22,343 lb (10 134 kg) 29,872 lb (13 550 kg)	15,972 lb (7245 kg) 22,189 lb (10 065 kg) 29,337 lb (13 307 kg)	14,426 lb (6544 kg) 20,615 lb (9351 kg) 27,316 lb (12 390 kg)
	Breakout force w/tilt cylinder	33,827 lb (15 344 kg)	29,732 lb (13 486 kg)	27,976 lb (12 690 kg)
	Maximum rollback – Ground Carry position @ Maximum reach @ Full height	40° 43° 54° 57°	39° 43° 54° 57°	39° 43° 54° 57°
	Dig depth	3.1 in (78 mm)	2.9 in (74 mm)	3.0 in (76 mm)
	Maximum grading angle w/bucket – back dragging	61°	60°	60°
	Loader clearance circle	502.1 in (12 754 mm)	498.8 in (12 671 mm)	498.9 in (12 671 mm)

721F/XT	60 in Fork on CNH XT Coupler
Fork attachment weight including coupler	2387 lb (1082 kg)
Operating load – (per EN 474-3): Rough terrain Firm and level ground	8289 lb (3760 kg) 11,052 in (5013 mm)
Tipping load straight ISO	16,160 in (7330 mm)
Tipping load @ 40° turn ISO	13,815 in (6266 mm)
Unit operating mass	31,500 lb (14,288 kg)

NOTE:

\*Z-Bar performance data shown w/full counterweight. \*\*XT lift arm with buckets for ACS Pro Series 2000® size 30 HD coupler. \*\*\*XT lift arm with bucket for Case coupler.

Performance data unit equipped with 20.5R25 Michelin XHA TL tires, ROPS cab w/heater and A/C, full counterweight, standard batteries, front and rear fenders, full fuel and 175 lb (75 kg) operator. Specifications per SAE J732, J1234, J695, J742, and J818.

721F XR		3.25 yd <sup>3</sup> Medium Density Pin On (2.5 m <sup>3</sup> ) Bucket w/Teeth Only	3.5 yd <sup>3</sup> Low Density Pin On (2.7 m <sup>3</sup> ) Bucket w/ Bolt-on Edge	3.5 yd³ (2.7 m³) Bucket w/Grapple w/Bolt-on Edge
E.	Operating height – fully raised w/spillguard	221.4 in (5623 mm)	224.1 in (5692 mm)	223.6 in (5680 mm)
F.	Hinge pin height – fully raised	172.2 in (4374 mm)	172.2 in (4374 mm)	172.1 in (4372 mm)
G.	Overall length – bucket level on ground	321.2 in (8157 mm)	317.6 in (8066 mm)	317.6 in (8068 mm)
	Dump angle – fully raised	55°	55°	55°
Н.	Dump height – fully raised,45° dump	127.0 in (3226 mm)	129.4 in (3286 mm)	129.3 in (3284 mm)
J.	Bucket reach – fully raised, 45° dump	48.7 in (1236 mm)	46.1 in (1172 mm)	46.1 in (1172 mm)
K.	Bucket reach - 7 ft 0 in (2.13 m) height, 45° dump	80.2 in (2037 mm)	78.7 in (1998 mm)	78.6 in (1998 mm)
	Operating load – ISO	9,773 lb (4433 kg)	9,572 lb (4342 kg)	8,671 lb (3933 kg)
	Maximum material density – SAE	2,969 lb/yd³ (1762 kg/m³)	2,497 lb/yd³ (1482 kg/m³)	2,243 lb/yd³ (1331 kg/m³)
	Tipping load – ISO Straight 40° turn	22,474 lb (10 194 kg) 19,546 lb (8866 kg)	22,031 lb (9993 kg) 19,143 lb (8683 kg)	20,194 lb (9,160 kg) 17,341 lb (7866 kg)
	Lift capacity – Full height Maximum reach Ground	14,990 lb (6799 kg) 20,022 lb (9082 kg) 24,839 lb (11 267 kg)	14,865 lb (6743 kg) 19,871 lb (9013 kg) 24,405 lb (11 070 kg)	13,320 lb (6042 kg) 18,299 lb (8300 kg) 22,477 lb (10 196 kg)
	Breakout force w/tilt cylinder	33,653 lb (15 265 kg)	29,574 lb (13 414 kg)	27,819 lb (12 619 kg)
	Loader clearance circle	515.2 in (13 087 mm)	511.6 in (12 996 mm)	511.7 in (12 996 mm)

721I	- Z-Bar	5.5 yd³ Low Density Pin On (4.2 m³) Bucket w/Bolt-on Edge	3.0 yd <sup>3</sup> General Purpose (2.3 m <sup>3</sup> ) Bucket on CNH Z-Bar Coupler w/ Bolt-on Edge	3.0 yd <sup>3</sup> General Purpose (2.3 m <sup>3</sup> ) Bucket on CNH Z-Bar Coupler w/ Teeth Only
	SAE bucket capacity – struck	5.49 yd³ (4.20 m³)	2.51 yd³ (1.92 m³)	2.42 yd <sup>3</sup> (1.85 m <sup>3</sup> )
	Heaped	5.49 yd³ (4.20 m³)	2.94 yd³ (2.25 m³)	2.79 yd <sup>3</sup> (2.13 m <sup>3</sup> )
	Bucket width - outside	106.3 in (2700 mm)	106.3 in (2700 mm)	107.6 in (2732 mm)
	Bucket weight	3,025 lb (1372 kg)	3,722 lb (1688 kg)	3,559 lb (1614 kg)
	Operating height – fully raised w/spillguard	223.2 in (5669 mm)	211.0 in (5359 mm)	211.0 in (5360 mm)
	Hinge pin height – fully raised	156.6 in (3979 mm)	156.6 in (3978 mm)	156.6 in (3978 mm)
ì.	Overall length - bucket level on ground	319.7 in (8119 mm)	309.8 in (7868 mm)	315.7 in (8020 mm)
	Dump angle - fully raised	55°	55°	55°
1.	Dump height – fully raised, 45° dump	103.1 in (2617 mm)	109.7 in (2787 mm)	105.9 in (2689 mm)
J.	Bucket reach - fully raised, 45° dump	56.7 in (1441 mm)	50.9 in (1293 mm)	55.2 in (1403 mm)
ζ.	Bucket reach - 7 ft 0 in (2.13 m) height, 45° dump	71.3 in (1811 mm)	69.2 in (1757 mm)	71.4 in (1814 mm)
	Operating load – ISO	10,753 lb (4878 kg)	10,168 lb (4620 kg)	10,379 lb (4708 kg)
	Maximum material density – SAE	1,768 lb/yd³ (1049 kg/m³)	3,132 lb/yd³ (1858 kg/m³)	3,373 lb/yd3 (2001 kg/m3)
	Tipping load – ISO Straight 40° turn	24,651 lb (11 182 kg) 21,507 lb (9755 kg)	23,444 lb (10 634 kg) 20,371 lb (9240 kg)	23,860 lb (10 823 kg) 20,758 lb (9416 kg)
	Lift capacity – Full height Maximum reach Ground	15,759 lb (7148 kg) 21,879 lb (9924 kg) 27,958 lb (12 682 kg)	15,005 lb (6806 kg) 21,060 lb (9552 kg) 26,962 lb (12 230 kg)	15,173 lb (6882 kg) 21,248 lb (9638 kg) 27,342 lb (12 402 kg)
	Breakout force w/tilt cylinder	22,294 lb (10 112 kg)	26,375 lb (11 964 kg)	28,237 lb (12 808 kg)
	Maximum rollback – Ground Carry position @ Maximum reach @ Full height	40° 43° 54° 57°	39° 43° 54° 57°	39° 43° 54° 57°
	Dig depth	4.3 in (110 mm)	2.9 in (75 mm)	3.1 in (80 mm)
	Maximum grading angle w/bucket – back dragging	65°	60°	62°
	Loader clearance circle	508.8 in (12 923 mm)	502.8 in (12 770 mm)	507.6 in (12 893 mm)

721F	XR	5.5 yd <sup>3</sup> Low Density Pin On (4.2 m <sup>3</sup> ) Bucket w/Bolt-on Edge	3.0 yd <sup>3</sup> General Purpose (2.3 m <sup>3</sup> ) Bucket on Z-bar Coupler w/Bolt-on Edge	3.0 yd3 General Purpose (2.3 m3) Bucket on Z-bar Coupler w/Teeth Only
E.	Operating height – fully raised w/spillguard	238.7 in (6064 mm)	226.5 in (5754 mm)	226.5 in (5754 mm)
F.	Hinge pin height – fully raised	172.2 in (4373 mm)	172.1 in (4372 mm)	172.2 in (4373 mm)
G.	Overall length - bucket level on ground	333.6 in (8473 mm)	323.9 in (8226 mm)	329.8 in (8377 mm)
	Dump angle – fully raised	55°	55°	55°
H.	Dump height – fully raised,45° dump	118.6 in (3012 mm)	125.3 in (3182 mm)	121.4 in (3083 mm)
J.	Bucket reach - fully raised, 45° dump	56.8 in (1442 mm)	50.9 in (1294 mm)	55.3 in (1404 mm)
K.	Bucket reach - 7 ft 0 in (2.13 m) height, 45° dump	84.2 in (2140 mm)	81.7 in (2075 mm)	84.2 in (2138 mm)
	Operating load – ISO	9,002 lb (4083 kg)	8,495 lb (3853 kg)	8,662 lb (3929 kg)
	Maximum material density – SAE	1,492 lb/yd³ (885 kg/m³)	2,631 lb/yd³ (1561 kg/m³)	2,836 lb/yd³ (1683 kg/m³)
	Tipping load – ISO Straight 40° turn	20,764 lb (9419 kg) 18,004 lb (8167 kg)	19,695 lb (8933 kg) 16,991 lb (7707 kg)	20,051 lb (9095 kg) 17,324 lb (7858 kg)
	Lift capacity – Full height Maximum reach Ground	14,654 lb (6647 kg) 19,570 lb (8877 kg) 23,269 lb (10 554 kg)	13,903 lb (6306 kg) 18,758 lb (8508 kg) 22,412 lb (10 166 kg)	14,071 lb (6383 kg) 18,944 lb (8593 kg) 22,734 lb (10 312 kg)
	Breakout force w/tilt cylinder	22,199 lb (10 069 kg)	26,226 lb (11 896 kg)	28,083 lb (12 738 kg)
	Loader clearance circle	523.0 in (13 285 mm)	516.2 in (13 111 mm)	521.5 in (13 247 mm)

721F	- Z-Bar	2.6 yd³ (1.9 m³) 4-in-1 Bucket on CNH Z-bar co	unlar
	SAE bucket capacity – struck	2.24 yd <sup>3</sup> (1.71 m <sup>3</sup> )	upier
	Heaped	2.59 yd³ (1.74 m²)	
	Bucket width – outside	106.3 in (2700 mm)	
	Bucket weight	5,000 lb (2268 kg)	
<u>.                                    </u>	Operating height – fully raised w/spillquard	211.4 in (5371 mm)	
	Hinge pin height – fully raised w/spilliguard	156.5 in (3976 mm)	
	<u> </u>	· /	
G.	Overall length – bucket level on ground	302.5 in (7684 mm)	
	Dump angle – fully raised	55°	
Н.	Dump height – fully raised, 45° dump	114.4 in (2905 mm)	
J.	Bucket reach – fully raised, 45° dump	45.3 in (1150 mm)	
K.	Bucket reach - 7 ft 0 in (2.13 m) height, 45° dump	65.8 in (1671 mm)	
	Operating load – ISO	10,027 lb (4548 kg)	
	Maximum material density – SAE	3,477 lb/yd3 (2063 kg/m3)	
	Tipping load – ISO Straight 40° turn	23,223 lb (10 534 kg) 20,053 lb (9096 kg)	
	Lift capacity – Full height Maximum reach Ground	13,751 lb (6237 kg) 19,885 lb (9020 kg) 26,464 lb (12 004 kg)	
	Breakout force w/tilt cylinder	30,119 lb (13 662 kg)	
	Maximum rollback – Ground Carry position @ Maximum reach @ Full height	39° 43° 54° 57°	
L.	Dig depth	3.0 in (77 mm)	
	Maximum grading angle w/bucket – back dragging	59°	
	Loader clearance circle	498.5 in (12 661 mm)	

721F XR		2.6 yd³ General Purpose (1.9 m³) 4-in-1 Bucket on Z-bar coupler	
E.	Operating height – fully raised w/spillguard	227.0 in (5765 mm)	
F.	Hinge pin height – fully raised	172.1 in (4371 mm)	
G.	Overall length – bucket level on ground	316.6 in (8042 mm)	
	Dump angle – fully raised	55°	
H.	Dump height – fully raised,45° dump	129.9 in (3299 mm)	
J.	Bucket reach – fully raised, 45° dump	45.3 in (1151 mm)	
K.	Bucket reach - 7 ft 0 in (2.13 m) height, 45° dump	78.1 in (1983 mm)	
	Operating load – ISO	8,236 lb (3736 kg)	
	Maximum material density – SAE	2,876 lb/yd³ (1707 kg/m³)	
	Tipping load – ISO Straight 40° turn	19,251 lb (8732 kg) 16,471 lb (7,471 kg)	
	Lift capacity – Full height Maximum reach Ground	12,647 lb (5737 kg) 17,576 lb (7972 kg) 21,739 lb (9861 kg)	
	Breakout force w/tilt cylinder	29,950 lb (13 585 kg)	
	Loader clearance circle	511.2 in (12 984 mm)	

### **60 INCH FORKS**

60 INCH FORKS	
721F Z-Bar Lift Arm: Forks on CNH Z-Bar Coupler	
Dimensional  Fork length – Vertical front surface of tine to fork tip	60.0 in (1524 mm)
Fork load center – Vertical front surface of tine to load CG	30.0 in (762 mm)
Fork width (max) – Outside to outside of tine	60.0 in (1524 mm)
Fork clearance @ full height – Ground to top of tine	145.3 in (3692 mm)
Fork reach @ full height – Vertical front surface of tine to front of tire	36.8 in (934 mm)
Fork clearance @ max reach – Ground to top of tine	69.2 in (1758 mm)
Fork reach (max) – Vertical front surface of tine to front of tire	67.2 in (1708 mm)
Fork reach @ ground – Vertical front surface of tine to front of tire	42.8 in (1088 mm)
Operational Fork attachment weight (includes coupler)	2,664 lb (1208 kg)
Operating load – (per EN 474-3)	2,004 ID (1200 kg)
Rough terrain	8,356 lb (3790 kg)
Firm and level ground	11,141 lb (5054 kg)
Tipping load straight ISO	16,336 lb (7410 kg)
Tipping Load @ 40° turn ISO	13,926 lb (6317 kg)
Operating weight	31,558 lb (14 315 kg)
Overall length – Forks level on ground	334.5 in (8495 mm)
V=1/4 1 - 200.V=2 - 1	
XT Lift Arm: Forks on CNH XT Coupler Dimensional	
Fork length – Vertical front surface of tine to fork tip	60.0 in (1524 mm)
Fork load center – Vertical front surface of tine to load CG	30.0 in (762 mm)
Fork width (max) – Outside to outside of tine	60.0 in (1524 mm)
Fork clearance @ full height – Ground to top of tine	150.7 in (3827 mm)
Fork reach @ full height – Vertical front surface of tine to front of tire	38.1 in (968 mm)
Fork clearance @ max reach – Ground to top of tine	71.1 in (1806 mm)
Fork reach (max) – Vertical front surface of tine to front of tire	70.9 in (1800 mm)
Fork reach @ ground – Vertical front surface of tine to front of tire	45.6 in (1159 mm)
Operational Fork attachment weight (includes coupler)	2,387 lb (1082 kg)
Operating load – (per EN 474-3)	3/
Rough terrain	8,289 lb (3760 kg)
Firm and level ground	11,052 lb (5013 kg)
Tipping load straight ISO	16,160 lb (7330 kg)
Tipping Load @ 40° turn ISO	13,815 lb (6266 kg)
Operating weight	31,500 lb (14 288 kg)
Overall length – Forks level on ground	337.3 in (8566 mm)
XR Lift Arm: Forks on CNH Z-Bar Coupler	
Dimensional	
Fork length – Vertical front surface of tine to fork tip	60.0 in (1524 mm)
Fork load center – Vertical front surface of tine to load CG	30.0 in (762 mm)
Fork width (max) – Outside to outside of tine	60.0 in (1524 mm)
Fork clearance @ full height - Ground to top of tine	160.9 in (4086 mm)
Fork reach @ full height - Vertical front surface of tine to front of tire	36.8 in (935 mm)
Fork clearance @ max reach – Ground to top of tine	69.2 in (1756 mm)
Fork reach (max) – Vertical front surface of tine to front of tire	78.5 in (1995 mm)
Fork reach @ ground – Vertical front surface of tine to front of tire	56.9 in (1446 mm)
Operational	
Fork attachment weight (includes coupler)	2,664 lb (1208 kg)
Operating load – (per EN 474-3)	
Rough terrain	7,356 lb (3336 kg)
Firm and level ground	9,807 lb (4449 kg)
Tipping load straight ISO	14,465 lb (6561 kg)
Tipping Load @ 40° turn ISO	12,259 lb (5561 kg)
Operating weight	32,039 lb (14 533 kg)
Overall length – Forks level on ground	348.6 in (8853 mm)

#### INSTRUMENTATION

**Electronic Information Center** 

Displays/Gauges -

Analog -

Fuel level

Engine coolant temperature

Transmission oil temperature

Hydraulic oil temperature

LCD screen -

(metric/English; multiple languages)

Hour meter

Engine speed

Travel speed

Current gear selection

**FNR** indication

Clock

Trip computer

Fuel consumption

Fuel level percentage

DEF (Diesel Exhaust Fluid) gauge

Oil pressure

Coolant temperature

Engine oil temperature

Transmission oil temperature

Transmission sump oil temperature

Hydraulic oil temperature

Turbocharger air temperature

Differential lock indicator\*

Joystick steering indicator\*

Automatic transmission indicator

De-clutch indicator

Engine mode indicator

Engine diagnostics

Transmission diagnostics

System voltage Error reporting

Indicator lights -

Low fuel

Turn signals

Four-way flashers

High beam lights

Grid heater\*

Brake pressure

Master indicator

Secondary steering\*

Parking brake

Audible/Visual alarms -

Caution alarm -

Parking brake

Coolant temperature

Hydraulic oil temperature

Transmission oil temperature

Air filter

Transmission filter

Hvdraulic filter

Alternator

Low fuel

Critical alarm -

Engine oil pressure

Brake pressure

Steering pressure (w/aux steering)\*

Coolant temperature

Hydraulic oil temperature

Transmission oil temperature

Backup alarm

NOTE: \*If equipped with option.

#### OPERATOR ENVIRONMENT

ROPS cab w/ heat
Key start
Articulated power steering w/tilt column
Fully adjustable, suspension seat
Foot throttle
1-Lever loader control w/wrist rest
Cup holder
Coat hook
(1) Interior rearview mirror
2 in (51 mm) retractable seat belt
Storage tray behind seat
Lunch box compartment
Single brake pedal
F/N/R shuttle switch
Glove box
Pressurized air filtering
Anti-glare window strip
Defroster
Side window, partial/fully open
Dome light
Wipers, rear and intermittent front
Windshield washers, front and rear
Rubber floor mat

#### LOADER

Z-bar loader linkage
Single control for lift and tilt
Positive hold float
Automatic return-to-dig
Automatic height control
Automatic return-to-travel
Brake pedal transmission disconnect
Bucket position indicator on bucket

#### **CYCLE TIME**

Raise w/rated bucket load	5.2 sec
Dump w/rated bucket load	
Z-Bar and XR	1.2 sec
XT	1.3 sec
Lower (empty)	
Power down	2.5 sec
Float down	2.4 sec

#### SERVICE CAPACITIES

Fuel tank	65 gal (246 L)
DEF (Diesel Exhaust Fluid) tank	15.8 gal (59.8 L)
Usable capacity	10.9 gal (41.3 L)
Hydraulic system	
Total	47.0 gal (177.8 L)
Reservoir	24.0 gal (90.8 L)
Transmission	
Service w/filter	36 qt (34 L)
Front and rear axle	
Front axle	37 qt (35 L)
Rear axle	24.3 qt (23 L)
Front and rear axle (optional)	
Front axle	37 qt (35 L)
Rear axle	37 qt (35 L)
Engine oil w/filter	16 qt (15.1 L)
Cooling system (-40)	30 qt (28.4 L)

#### **OPERATING WEIGHTS**

#### Z-Bar

Unit equipped with ROPS cab with heater and A/C, full counterweight, 20.5R25 XHA TL Michelin tires, front and rear fenders, 3.25 yd3 (2.5 m<sup>3</sup>) HD Pin On bucket w/edge, full fuel, 175 lb (79 kg) operator

31,510 lb (14 293 kg)

Unit equipped with ROPS cab with heater and A/C, full counterweight, 20.5R25 XHA TL Michelin tires, 3.0 yd3 (2.3 m3) CNH GP with CNH XT Coupler w/edge, standard batteries, full fuel, 175 lb (79 kg) operator

32,339 lb (14 667 kg)

#### XR

Unit equipped with ROPS cab with heater and A/C, full counterweight, 20.5R25 XHA TL Michelin tires, front and rear fenders, 3.25 yd3 (2.5 m³) HD Pin On bucket w/edge, full fuel, 175 lb (79 kg) operator

31,991 lb (14 511 kg)

#### STANDARD EQUIPMENT

#### **OPERATOR'S ENVIRONMENT**

ROPS/FOPS cab structure

See page 8

#### **ENGINE**

FPT F4HFE613Y Tier 4 interim certified Selectable work modes

> Max power Auto power Standard power Economy power

Turbocharger

Charge air cooling

Automatic fan belt tensioner Integral engine oil cooling Fuel filter w/water trap

Dual-element dry-type air cleaner Hydraulic-driven cooling fan

65 amp alternator

(2) 700 CCA 12-volt batteries

Liquid-cooled radiator

Mid-mounted cooling module

Common rail electronic fuel injection

#### LOADER

See page 8

#### DRIVETRAIN

4-wheel drive

4F/3R Selectable autoshift/manual shift

transmission

Electronic Control Module - Programmable, computer controlled proportional shifting with

programmable gear selection

Onboard diagnostics

Single lever electronic shift control

F/N/R switch in loader control handle

Downshift button Torque converter

Outboard planetary axles

Limited-slip differentials

Transmission oil cooler

Brake pedal transmission disconnect

Hydraulic wet disc brakes

Spring-applied hydraulic release parking brake

Limp-Home Mode

Greasable rear axle trunnion

#### **HYDRAULICS**

Single lever 2-spool loader control valve

Low-effort steering

Hydraulic driven fan

(8) Diagnostic quick couplers

Split flange hydraulic connections (1 inch or greater)

#### ELECTRICAL

Alternator and voltage regulator

Electrical disconnect

**Batteries** 

Electric starter

Front and rear halogen flood lights

Tail lights and stop lights combined

(2) Front driving headlights (high/low beam)

(2) Front flood

(2) LED Stop/tail lights

(2) Rear flood

Front and rear turn signal/flash

Key start/stop switch

Centrally located fuse box with all electrical

circuits protected

#### OTHER

Electric hood lift

Front and rear fenders

Standard counterweight

Drawbar hitch

Articulation locking bar

Lift arm locking bar

Lift and tie-down points - front/rear

Backup alarm

Remote drain points

Remote-mounted ecology drains for

Engine oil

Engine coolant

Hydraulic oil

#### **OPTIONAL EQUIPMENT**

#### **OPERATOR'S COMPARTMENT**

Heated cloth-covered air-suspension seat Sound Shield noise suppression package Cab air-conditioning w/heater

Radio

Radio-ready (12 or 24-volt) with auxiliary power (12-volt)

Cab convenience package

RH steps and platform

Rotating beacon

Second brake pedal

Open ROPS

Joystick steering

External rear view mirrors

Rear view camera with accessory mount Extra front-facing work lights

#### **DRIVETRAIN**

5F/3R Autoshift/manual shift transmission,

lockup torque converter, PowerInch de-clutch Special application axles with auto-locking front

differential and rear open differential Commodity King package with heavy debris cooling system

Cold weather package

Heavy-duty (2) 950 CCA 12V batteries

Fuel heater

Hydraulic oil cooler bypass

Low temperature hydraulic oil

Grid heater

Full-view or ejector type pre-cleaner

Remote jump start receptacle

#### **HYDRAULICS**

Auxiliary hydraulics

Ride Control

Secondary steering

3-spool loader valves with 2-lever loader control (joystick plus lever)

Variable speed hydraulic reversing fan

Hydraulic cooler

#### **LOADER**

Attachment auxiliary hydraulics

Buckets (see pages 3 through 6)

Loader coupler systems

XT parallel lift

XR extended reach

Forks (see page 7)

#### TIRES

20.5-25 16 PR L3 bias (rock)

20.5 R25 L2 radial (dirt/traction)

20.5 R25 L3 radial (rock) 20.5 R25 SnoPlus radial (snow)

# OTHER

Special paint

Full coverage fenders

Belly pan

Tool box

Full counterweight - Z-Bar

Fire extinguisher

Spare wheel and tires

Side guards for rear frame

20 kph maximum speed control

License plate bracket

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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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