

# 921E/XR

## ARTICULATED WHEEL LOADER TIER III CERTIFIED

#### **ENGINE**

Model	Cummins QSM 11, Tier III Certified
Туре	4-stroke, turbocharged and air-to-air cooled
Cylinders	6
Bore/Stroke	4.92 in x 5.79 in (125 mm x 147 mm)
Displacement	660 in <sup>3</sup> (10.8 L)
Fuel injection	Electronic
Fuel	#2 Diesel
Fuel filter	Replaceable, full flow spin-on cartridge
Fuel cooler	
Air filter w/wa	Dry type element arning restriction indicator
Fan – Hydraulic driv	re
Style	6 blade pusher
Water pump	Integral
Engine oil	
Pump operating a	ngles
Side-to-side	45°
Fore and aft	45°
Oil filtration	Replaceable, full flow, spin-on cartridge
Engine speeds (rpm	
Rated speed, full	
Horsepower – Peak	
Max Power Range	
	320 (239 kW) @ 1800 rpm 297 (221 kW) @ 1800 rpm
Standard Power F	Range
	297 (221 kW) @ 1800 rpm
	274 (204 kW) @ 1800 rpm
Economy Power F	Range

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

241 (179 kW) @ 1400 rpm

229 (171 kW) @ 1400 rpm

Gross

Net

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

Torque - Peak

Max Power Range

Gross 1,090 lb·ft (1478 N·m) @ 1000 rpm Net 1,066 lb·ft (1446 N·m) @ 1000 rpm

Standard Power Range

Gross 1,013 lb·ft (1373 N·m) @ 900 rpm Net 995 lb·ft (1349 N·m) @ 900 rpm

**Economy Power Range** 

Gross 1,013 lb·ft (1373 N·m) @ 1000 rpm Net 995 lb·ft (1349 N·m) @ 1000 rpm

Torque rise Standard r

Standard power 50.1%

#### **DRIVETRAIN**

Transmission

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

Gears		Helical cut
Gear ratios	Forward	Reverse
1st	3.712	3.712
2nd	2.062	2.062
3rd	1.064	1.064
4th	0.685	NA

Torque converter

Stall ratio 2.985:1

Differential Limited slip w/30% transfer on front w/45% transfer on rear axles

 Rear axle oscillation
 24° total

 Front and rear axle
 3.89

 Differential ratio
 6.00

 Final axle ratio
 23.33

 Planetaries
 Outboard

Service brakes

Hydraulically actuated, maintenance-free, multiple wet disc to all four wheels, w/accumulator for each axle

Brake surface area

Front 900 in² per hub (0.58 m²)
Rear 713 in² per hub (0.46 m²)

Parking brakes

Spring-applied hydraulic release disc on transmission output shaft

Travel speeds – mph (km/h) w/26.5R25XHA Tires

	Forward	Reverse
1st	5.0 (8.0)	5.0 (8.0)
2nd	8.2 (13.2)	8.7 (14.1)
3rd	16.1 (25.8)	16.1 (25.8)
4th	23.2 (37.4)	NA

NOTE: Travel speeds at full engine throttle.

#### **ELECTRICAL**

Voltage	24 Volts, negative ground
Alternator	95 amp
Batteries	(2) 12 volt

#### **HYDRAULICS**

Pump (steering/implement)

Closed centered pressure/flow compensated

Variable displacement (2)

5.19 in<sup>3</sup>/rev 42.8 gpm @ 2000 rpm @ 3600 psi (85 cc/rev. 162.1 L/min @ 2000 rpm @ 24 821 kPa)

Implement pump

Closed centered pressure/flow compensated

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 auxiliary steering

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

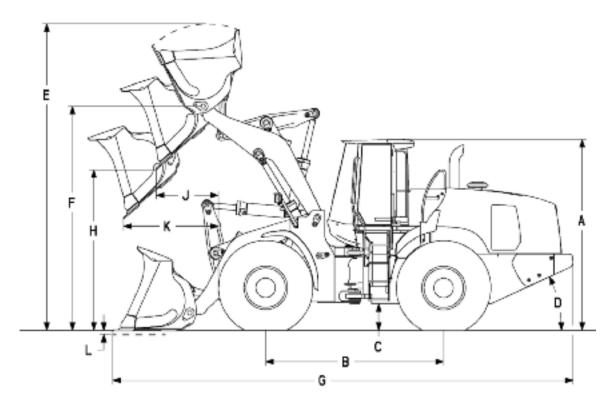
High pressure standby 3625 psi (25 000 kPa)

Filtration

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

#### **CYLINDERS**

Lift cylinder	
Bore diameter	6.5 in (165.1 mm)
Rod diameter	4.0 in (101.6 mm)
Stroke	34.2 in (867.7 mm)
Dump cylinder	
Bore diameter	7.0 in (177.7 mm)
Rod diameter	4.0 in (101.6 mm)
Stroke	29.3 in (745.3 mm)



#### **DIMENSIONS**

	Height to –	
A.	Top of ROPS cab	145.5 in (3.70 m)
	Drawbar	51.0 in (1.30 m)
В.	Wheelbase	134.0 in (3.40 m)
C.	Ground clearance	19.3 in (489 mm)
D.	Angle of departure	34°
	Width –	
	Overall* w/o bucket	117.7 in (3.00 m)
	Centerline tread	88.6 in (2.25 m)
	Turning radius* – outside	270.3 in (6.87 m)
	Turning angle –	
	From center	40°
	Total angle	80°
	Rear axle oscillation, total	24°
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NOTE: \*Dimensions taken with 26.5-25 XHAT tires. Additional dimensions on pages 3 and 4.

### **WEIGHT ADJUSTMENTS**

		Tipping Load	Tipping Load
	Weight	Adjustment	Adjustment
Select Options	Adjustment	Straight	40° Turn
26.5-25 L2 tires	-912 lb (-413 kg)	-746 lb (-338 kg)	-658 lb (-299 kg)
26.5-25 L4 tires	+704 lb (+320 kg)	+577 lb (+262 kg)	+508 lb (+230 kg)
26.5-25 L5 tires	+1,132 lb (+514 kg)	+927 lb (+420 kg)	+817 lb (+370 kg)
Rops Canopy	-295 lb (-134 kg)	-339 lb (-154 kg)	-314 lb (-142 kg)

NOTE: \*\*Unit equipped with Z-Bar loader arms, 5.75 yd³ (4.4 m³) general purpose pin on bucket, 26.5-25 XHAT tires, ROPS cab with heater, counterweight, standard batteries, front and rear fenders, full fuel and 175 lb (79 kg) operator. Adjust select options from rated weight.

#### **PERFORMANCE DATA**

Breakout force w/tilt cylinder

Maximum rollback –

@ Maximum reach@ Full height

Loader clearance circle

Maximum grading angle w/bucket - back dragging

Ground
Carry position

Dig depth

921E Z-Ba	ar	5.75 yd³ (4.4 m³)	5.75 yd³ (4.4 m
		Bucket w/Bolt-on Edge	Bucket w/Teetl
SAE b	bucket capacity – struck	4.88 yd³ (3.73 m³)	4.88 yd³ (3.73 m³)
He	eaped	5.78 yd³ (4.42 m³)	5.78 yd³ (4.42 m³)
Bucke	et width – outside	124.8 in (3.17 m)	126.2 in (3.21 m)
	side	120.9 in (3.07 m)	120.9 in (3.07 m)
Bucke	et weight	4,955 lb (2248 kg)	5,185 lb (2352 kg)
. Opera	ating height – fully raised w/spillguard	230.2 in (5.85 m)	230.2 in (5.85 m)
	e pin height – fully raised	168.4 in (4.28 m)	168.4 in (4.78 m)
i. Overa	all length – bucket level on ground	346.3 in (8.80 m)	355.3 in (9.02 m)
Dump	o angle - fully raised	55°	55°
I. Dump	o height – fully raised, 45° dump	121.2 in (3.08 m)	115.3 in (2.93 m)
. Bucke	et reach – fully raised, 45° dump	50.1 in (1.27 m)	56.2 in (1.43 m)
. Bucke	et reach - 7 ft 0 in (2.13 m) height, 45° dump	74.6 in (1.90 m)	78.1 in (1.98 m)
Opera	ating load - ISO	18,306 lb (8303 kg)	18,147 lb (8231 kg)
Maxin	mum material density – ISO	3,166 lb/yd³ (1879 kg/m³)	3,139 lb/yd³ (1863 kg/m³)
Tippir	ng load - ISO		
Str	raight	42,592 lb (19 319 kg)	42,274 lb (19 175 kg)
40°	° turn	36,612 lb (16 607 kg)	36,294 lb (16 463 kg)
Lift ca	apacity -		
Ful	Il height	29,738 lb (13 489 kg)	29,537 lb (13 398 kg
Ma	aximum reach	41,906 lb (19 008 kg)	41,667 lb (18 900 kg
Gro	ound	49,607 lb (22 501 kg)	49,316 lb (22 370 kg
Break	cout force w/tilt cylinder	44,476 lb (20 174 kg)	38,030 lb (17 250 kg
Maxin	num rollback -	•	
Gro	ound	41°	42°
Ca	arry position	43°	43°
	Maximum reach	67°	67°
	Full height	63°	63°
. Dig de		4.8 in (121 mm)	5.3 in (135 mm)
	mum grading angle w/bucket - back dragging	62°	64°
	er clearance circle	540.6 in (13.73 m)	547.5 in (13.91 m)
21E XR		5.75 yd³ (4.4 m³)	5.75 yd³ (4.4 m
		Bucket w/Bolt-on Edge	Bucket w/Teet
	ating height – fully raised w/spillguard	253.5 in (6440 mm)	253.5 in (6440 mm)
	e pin height – fully raised	191.7 in (4870 mm)	191.7 in (4870 mm)
	all length – bucket level on ground	365.4 in (9281 mm)	374.2 in (9505 mm
	o angle - fully raised	49°	49'
	o height – fully raised, 45° dump	144.5 in (3670 m)	138.6 in (3520 mm
	et reach – fully raised, 45° dump	49.0 in (1246 m)	55.2 in (1402 mm
	et reach - 7 ft 0 in (2.13 m) height, 45° dump	91.8 in (2331 m)	95.6 in (2429 mm)
•	ating load - ISO	14,367 lb (6517 kg)	14,216 lb (6448 kg
	mum material density – ISO	2,485 lb/yd³ (1475 kg/m³)	2,459 lb/yd³ (1459 kg/m³
Tippir	ng load - ISO		
Str	raight	33,872 lb (15 364 kg)	33,569 lb (15 227 kg
40°	° turn	28,735 lb (13 034 kg)	28,432 lb (12 897 kg
Lift ca	apacity –		
Ful	Il height	27,049 lb (12 269 kg)	26,843 lb (12 176 kg)
Ma	aximum reach	35,885 lb (16 277 kg)	35,637 lb (16 165 kg)
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NOTE: Performance data unit equipped with 26.5-25 XHAT tires, ROPS cab w/heater and A/C, standard counterweight, standard batteries, wide front and rear fenders, full fuel and 175 lb (79 kg) operator. Specifications per SAE J732, J1234, J695, J742 and J818.

44,671 lb (20 262 kg)

4.8 in (121 mm)

561.7 in (14 266 mm)

41°

43°

67°

63°

62°

38,215 lb (17 334 kg)

5.3 in (135 mm)

569.1 in (14 456 mm)

42°

43°

67°

63°

64°

#### **PERFORMANCE DATA**

21E Z-Bar	5.25 yd³ (4.00 m³)	5.25 yd³ (4.00 m³)
	Bucket w/Bolt-on Edge	Bucket w/Teeth
SAE bucket capacity – struck	4.46 yd <sup>3</sup> (3.41 m <sup>3</sup> )	252.9 yd³ (6424 m³)
Heaped	5.28 yd³ (4.04 m³)	191.7 yd³ (4.04 m³)
Bucket width – outside	118.9 in (3.02 m)	120.3 in (3.06 m)
Inside	115.0 in (2.92 m)	115.0 in (2.92 m)
Bucket weight	4,733 lb (2147 kg)	4,988 lb (2262 kg)
Operating height - fully raised w/spillguard	229.6 in (5.83 m)	229.6 in (5.83 m)
Hinge pin height – fully raised	168.4 in (4.28 m)	168.4 in (4.28 m)
Overall length – bucket level on ground	344.7 in (8.76 m)	353.7 in (8.98 m)
Dump angle – fully raised	55°	55°
Dump height – fully raised, 45° dump	122.4 in (3.11 m)	116.5 in (2.96 m
Bucket reach – fully raised, 45° dump	49.8 in (1.26 m)	55.9 in (1.42 m
Bucket reach – 7 ft 0 in (2.13 m) height, 45° dump	74.8 in (1.90 m)	78.4 in (1.99 m
Operating load – ISO	18,571 lb (8424 kg)	18,396 lb (8344 kg
· •		
Maximum material density – ISO	3,514 lb/yd³ (2085 kg/m³)	3,481 lb/yd³ (2066 kg/m³
Tipping load – ISO		
Straight	43,165 lb (19 579 kg)	42,814 lb (19 420 kg
40° turn	37,142 lb (16 847 kg)	36,791 lb (16 688 kg
Lift capacity –		
Full height	29,875 lb (13 551 kg)	29,652 lb (13 450 kg
Maximum reach	42,164 lb (19 125 kg)	41,899 lb (19 005 kg
Ground	50,215 lb (27 777 kg)	49,890 lb (22 630 kg
Breakout force w/tilt cylinder	45,712 lb (20 735 kg)	38,954 lb (17 669 kg
Maximum rollback –	· · · · · · · · · · · · · · · · · · ·	
Ground	41°	41
Carry position	43°	43
@ Maximum reach	67°	67
@ Full height	63°	63
Dig depth	4.0 in (102 mm)	4.6 in (116 mm
Maximum grading angle w/bucket – back dragging	4.0 iii (102 iiiii) 62°	4.0 111 (110 11111)
Loader clearance circle	534.2 in (13.57 m)	541.1 in (13.74 m
Education of Charles Charles	00 Hz III (10.07 H)	011.1 111 (10.7 1 11)
21E XR	5.25 yd³ (4.00 m³)	5.25 yd³ (4.00 m³)
	Bucket w/Bolt-on Edge	Bucket w/Teeth
Operating height – fully raised w/spillguard	252.9 in (6424 mm)	252.9 in (6424 mm
Hinge pin height – fully raised	191.8 in (4871 mm)	191.7 in (4870 mm
Overall length – bucket level on ground	363.9 in (9242 mm)	372.7 in (9467 mm
Dump angle – fully raised	49°	<u> </u>
Durip arigie – rully raised		
Division beight fully valued 450 division		
1 0 7 7	145.8 in (3703 mm)	139.9 in (3552 mm
Bucket reach – fully raised, 45° dump	145.8 in (3703 mm) 48.7 in (1237 mm)	139.9 in (3552 mm 54.9 in (1394 mm
Bucket reach – fully raised, 45° dump Bucket reach – 7 ft 0 in (2.13 m) height, 45° dump	145.8 in (3703 mm) 48.7 in (1237 mm) 91.9 in (2334 mm)	139.9 in (3552 mm 54.9 in (1394 mm 95.8 in (2435 mm
Bucket reach – fully raised, 45° dump  Bucket reach – 7 ft 0 in (2.13 m) height, 45° dump  Operating load – ISO	145.8 in (3703 mm) 48.7 in (1237 mm) 91.9 in (2334 mm) 14,583 lb (6615 kg)	139.9 in (3552 mm 54.9 in (1394 mm 95.8 in (2435 mm 14,416 lb (6539 kg
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Bucket reach – fully raised, 45° dump  Bucket reach – 7 ft 0 in (2.13 m) height, 45° dump  Operating load – ISO  Maximum material density – ISO  Tipping load – ISO  Straight	145.8 in (3703 mm) 48.7 in (1237 mm) 91.9 in (2334 mm) 14,583 lb (6615 kg) 2,760 lb/yd³ (1638 kg/m³)  34,335 lb (15 574 kg)	139.9 in (3552 mm 54.9 in (1394 mm 95.8 in (2435 mm 14,416 lb (6539 kg 2,728 lb/yd³ (1619 kg/m³ 34,001 lb (15 422 kg
Bucket reach – fully raised, 45° dump  Bucket reach – 7 ft 0 in (2.13 m) height, 45° dump  Operating load – ISO  Maximum material density – ISO  Tipping load – ISO  Straight  40° turn	145.8 in (3703 mm) 48.7 in (1237 mm) 91.9 in (2334 mm) 14,583 lb (6615 kg) 2,760 lb/yd³ (1638 kg/m³)  34,335 lb (15 574 kg)	139.9 in (3552 mm 54.9 in (1394 mm 95.8 in (2435 mm 14,416 lb (6539 kg 2,728 lb/yd³ (1619 kg/m³ 34,001 lb (15 422 kg 28,833 lb (13 078 kg
Bucket reach – fully raised, 45° dump  Bucket reach – 7 ft 0 in (2.13 m) height, 45° dump  Operating load – ISO  Maximum material density – ISO  Tipping load – ISO  Straight  40° turn  Lift capacity –	145.8 in (3703 mm) 48.7 in (1237 mm) 91.9 in (2334 mm) 14,583 lb (6615 kg) 2,760 lb/yd³ (1638 kg/m³)  34,335 lb (15 574 kg) 29,167 lb (13 230 kg)	139.9 in (3552 mm 54.9 in (1394 mm 95.8 in (2435 mm 14,416 lb (6539 kg 2,728 lb/yd³ (1619 kg/m³ 34,001 lb (15 422 kg 28,833 lb (13 078 kg
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Bucket reach – fully raised, 45° dump  Bucket reach – 7 ft 0 in (2.13 m) height, 45° dump  Operating load – ISO  Maximum material density – ISO  Tipping load – ISO  Straight  40° turn  Lift capacity –  Full height  Maximum reach  Ground  Breakout force w/tilt cylinder  Maximum rollback –  Ground  Carry position  @ Maximum reach	145.8 in (3703 mm) 48.7 in (1237 mm) 91.9 in (2334 mm) 14,583 lb (6615 kg) 2,760 lb/yd³ (1638 kg/m³)  34,335 lb (15 574 kg) 29,167 lb (13 230 kg)  27,210 lb (12 342 kg) 36,169 lb (16 406 kg) 40,289 lb (18 275 kg) 45,888 lb (20 814 kg)  41° 43° 67°	139.9 in (3552 mm 54.9 in (1394 mm 95.8 in (2435 mm 14,416 lb (6539 kg 2,728 lb/yd³ (1619 kg/m³ 34,001 lb (15 422 kg 28,833 lb (13 078 kg 26,980 lb (12 238 kg 35,895 lb (16 282 kg 39,964 lb (18 127 kg 39,120 lb (17 745 kg
Bucket reach – fully raised, 45° dump  Bucket reach – 7 ft 0 in (2.13 m) height, 45° dump  Operating load – ISO  Maximum material density – ISO  Tipping load – ISO  Straight  40° turn  Lift capacity –  Full height  Maximum reach  Ground  Breakout force w/tilt cylinder  Maximum rollback –  Ground  Carry position  @ Maximum reach  @ Full height	145.8 in (3703 mm)  48.7 in (1237 mm)  91.9 in (2334 mm)  14,583 lb (6615 kg)  2,760 lb/yd³ (1638 kg/m³)  34,335 lb (15 574 kg)  29,167 lb (13 230 kg)  27,210 lb (12 342 kg)  36,169 lb (16 406 kg)  40,289 lb (18 275 kg)  45,888 lb (20 814 kg)  41°  43° 67° 63°	139.9 in (3552 mm 54.9 in (1394 mm 95.8 in (2435 mm 14,416 lb (6539 kg 2,728 lb/yd³ (1619 kg/m³ 34,001 lb (15 422 kg 28,833 lb (13 078 kg 26,980 lb (12 238 kg 35,895 lb (16 282 kg 39,964 lb (18 127 kg 39,120 lb (17 745 kg
Bucket reach – fully raised, 45° dump  Bucket reach – 7 ft 0 in (2.13 m) height, 45° dump  Operating load – ISO  Maximum material density – ISO  Tipping load – ISO  Straight  40° turn  Lift capacity –  Full height  Maximum reach  Ground  Breakout force w/tilt cylinder  Maximum rollback –  Ground  Carry position  @ Maximum reach  @ Full height  Dig depth	145.8 in (3703 mm)  48.7 in (1237 mm)  91.9 in (2334 mm)  14,583 lb (6615 kg)  2,760 lb/yd³ (1638 kg/m³)  34,335 lb (15 574 kg)  29,167 lb (13 230 kg)  27,210 lb (12 342 kg)  36,169 lb (16 406 kg)  40,289 lb (18 275 kg)  45,888 lb (20 814 kg)  41°  43° 67° 63°  4.0 in (102 mm)	139.9 in (3552 mm 54.9 in (1394 mm 95.8 in (2435 mm 14,416 lb (6539 kg 2,728 lb/yd³ (1619 kg/m³ 34,001 lb (15 422 kg 28,833 lb (13 078 kg 26,980 lb (12 238 kg 35,895 lb (16 282 kg 39,964 lb (18 127 kg 39,120 lb (17 745 kg 41° 43° 67° 63° 4.6 in (116 mm
Bucket reach – fully raised, 45° dump  Bucket reach – 7 ft 0 in (2.13 m) height, 45° dump  Operating load – ISO  Maximum material density – ISO  Tipping load – ISO  Straight  40° turn  Lift capacity –  Full height  Maximum reach  Ground  Breakout force w/tilt cylinder  Maximum rollback –  Ground  Carry position  @ Maximum reach  @ Full height	145.8 in (3703 mm)  48.7 in (1237 mm)  91.9 in (2334 mm)  14,583 lb (6615 kg)  2,760 lb/yd³ (1638 kg/m³)  34,335 lb (15 574 kg)  29,167 lb (13 230 kg)  27,210 lb (12 342 kg)  36,169 lb (16 406 kg)  40,289 lb (18 275 kg)  45,888 lb (20 814 kg)  41°  43° 67° 63°	49° 139.9 in (3552 mm) 54.9 in (1394 mm) 95.8 in (2435 mm) 14,416 lb (6539 kg) 2,728 lb/yd³ (1619 kg/m³) 34,001 lb (15 422 kg) 28,833 lb (13 078 kg) 26,980 lb (12 238 kg) 35,895 lb (16 282 kg) 39,964 lb (18 127 kg) 39,120 lb (17 745 kg) 41° 43° 67° 63° 4.6 in (116 mm) 64° 562.7 in (14 294 mm)

#### **INSTRUMENTATION**

**Electronic Information Center** 

Displays/Gauges -

Speedometer

Tachometer

Direction selected F/N/R

Transmission modes - Auto shift/Manual shift

Gear position

Engine coolant temperature

Fuel level

Transmission oil temperature

Hydraulic oil temperature

Hourmeter

Power mode

Indicator lights -

Low fuel

Turn signals

High beam lights

Brake pressure

Master indicator

Auxiliary steering\*

Parking brake

Audible alarms -

Caution alarm

Critical alarm

Backup alarm

Horn

NOTE: \*If equipped with option.

<b>OPERATOR ENVIRONMENT</b>	
ROPS cab w/ heat	
Key start	
Articulated power steering w/tilt column	
Fully adjustable, suspension seat	
Foot throttle	
Single lever 2-spool loader control w/wrist re	est
Cup holder	
Coat hook	
(1) Interior rearview mirror	
2 in (51 mm) retractable seat belt	
Storage tray behind seat	
Cooled lunch box	
Single brake pedal	
F/N/R shuttle switch	
External rear view mirrors	
Lock 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	
Sunscreen	

#### 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	6.2 sec
Dump w/rated bucket load	3.6 sec
Lower (empty)	
Power down	3.0 sec
Float down	1.2 sec

#### **SERVICE CAPACITIES**

Fuel tank	104 gal (393.7 L)
Hydraulic system	
Total	64.0 gal (242 L)
Reservoir	34.0 gal (130 L)
Transmission	
Service w/filter	10.5 gal (39.7 L)
Front and rear axle w/o coolers	
Front	12.5 gal (47.3 L)
Rear	12.5 gal (47.3 L)
Engine oil w/filter	39 qt (36.9 L)
Cooling system	15.0 gal (56.8 L)

#### **OPERATING WEIGHTS**

#### Z-Bar

Unit equipped with ROPS cab with heater and A/C, counterweight, 26.5R25 XHA tires, wide front and rear fenders, 5.75 yd3 (4.4 m3) general purpose loader bucket, full fuel, 175 lb (79 kg) operator

50,622 lb (22 962 kg)

#### XR

Unit equipped with ROPS cab with heater and A/C, counterweight, 26.5R25 XHA tires, wide front and rear fenders, 5.75 yd3 (4.4 m3) general purpose loader bucket, full fuel, 175 lb (79 kg) operator

52,714 lb (23 911 kg)

#### STANDARD EQUIPMENT

#### **OPERATOR ENVIRONMENT**

See page 5

#### **ENGINE**

Cummins QSM 11

Tier III 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 air cleaner

95 amp alternator

(2) 900 CCA 12-volt batteries

Liquid-cooled radiator

Non spark-arresting muffler

Common rail electronic fuel injection

#### LOADER

See page 5

#### **DRIVETRAIN**

4-wheel drive

Axle coolers

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

Lubed-for-life drive shaft

#### **HYDRAULICS**

Single lever 2-spool loader control valve

Low-effort steering

Hydraulic driven fan

(8) Diagnostic quick couplers

#### OTHER

Electric hood lift

Front and rear fenders

Lights -

- (2) Front driving headlights (high/low beam)
- (2) Front flood
- (2) Stop/tail lights
- (2) Rear flood

Front and rear turn signal/flash

Standard counterweight

Drawbar hitch

Articulation locking bar

Lift arm locking bar

Lift and tie-down points - front/rear

Backup alarm

RH steps and platform

#### **OPTIONAL EQUIPMENT**

#### **OPERATOR COMPARTMENT**

Cloth-covered air-suspension seat

Cab air-conditioning w/heater

Radio

Radio-ready (12 or 24-volt)

Auxiliary power (12-volt)

Cab convenience package

Replaces form no. CCE9260804R

Rotating beacon

Second brake pedal

Open ROPS

Joystick steering

#### **ENGINE**

Cold weather package

Heavy-duty batteries

Fuel heater

Hydraulic oil cooler bypass

Low temperature hydraulic oil

Ether

#### LOADER

Attachment auxiliary hydraulics

Buckets (see page 3 & 4)

#### **HYDRAULICS**

Auxiliary hydraulics

Ride Control

Secondary steering

3-spool loader valves with 2 or 3-lever loader

control

Hydraulic temperature controlled reversing fan

Hydraulic cooler

#### **TIRES**

26.5 x 25 L3 Bias

26.5 x 25 L4 Bias

26.5 x 25 L5 Bias

26.5 R 25 L3 Radial

#### OTHER

Full coverage fenders

Heavy-duty counterweight

License plate bracket

Lift and tie down brackets

Special paint

Sound Shield noise suppression package

Spark arresting muffler

Tool box

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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