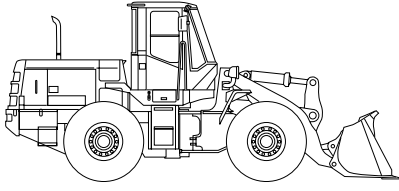
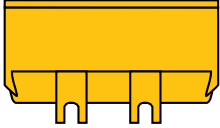
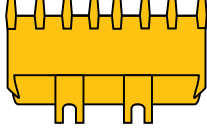
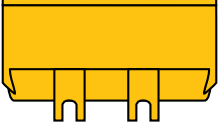


70Z^{IV}-2 BUCKET DATA

			General Purpose		Material Handling
			With Bolt-on Cutting Edge	With Teeth	With Bolt-on Cutting Edge
					
Capacity	Heaped	yd ³ (m ³)	3.25 (2.5)	3.0 (2.3)	3.5 (2.7)
	Struck	yd ³ (m ³)	2.8 (2.1)	2.6 (2.0)	3.1 (2.4)
Maximum dumping clearance		ft-in (mm)	8'10 1/2" (2705)	8'7 1/8" (2620)	8'8 1/4" (2650)
Dumping reach (to front of bucket edge or tooth)		ft-in (mm)	3'7 7/8" (1115)	3'10 1/2" (1180)	3'10" (1170)
Bucket hinge pin height		ft-in (mm)	12'4 3/4" (3780)	12'4 3/4" (3780)	12'4 3/4" (3780)
Digging depth		ft-in (mm)	4' 1/2" (115)	5' 1/8" (130)	4' 1/2" (115)
Breakout force		lb (kg)	27,560 (12,500)	30,210 (13,700)	25,795 (11,700)
Bucket tilt-back angle	at ground level		43°	43°	43°
	at carry position		50°	50°	50°
Overall	Length	ft-in (mm)	24'4 7/8" (7440)	24'9 7/8" (7565)	24'8" (7520)
	Height	ft-in (mm)	10'11 5/16" (3335)	10'11 5/16" (3335)	10'11 5/16" (3335)
	Width (outside tire)	ft-in (mm)	8'5 3/4" (2585)	8'5 3/4" (2585)	8'5 3/4" (2585)
	Width (outside bucket)	ft-in (mm)	8'9 1/8" (2670)	8'9 5/8" (2680)	8'9 1/8" (2670)
Wheel base		ft-in (mm)	10' 1/8" (3050)	10' 1/8" (3050)	10' 1/8" (3050)
Minimum turning radius	at outside bucket	ft-in (mm)	19'9 3/4" (6040)	19'11" (6070)	19'10 5/8" (6060)
	at center of outside tire	ft-in (mm)	17'1 3/8" (5215)	17'1 3/8" (5215)	17'1 3/8" (5215)
Minimum ground clearance		ft-in (mm)	1'4" (405)	1'4" (405)	1'4" (405)
Full articulation angle		degree	40°	40°	40°
Operating weight (with ROPS Cab)		lb (kg)	28,750 (13,040)	28,550 (12,950)	28,860 (13,090)
Static tipping load (with ROPS Cab)	Straight	lb (kg)	22,024 (9990)	22,265 (10100)	21,935 (9950)
	Full turn	lb (kg)	18,915 (8580)	19,160 (8690)	18,830 (8540)

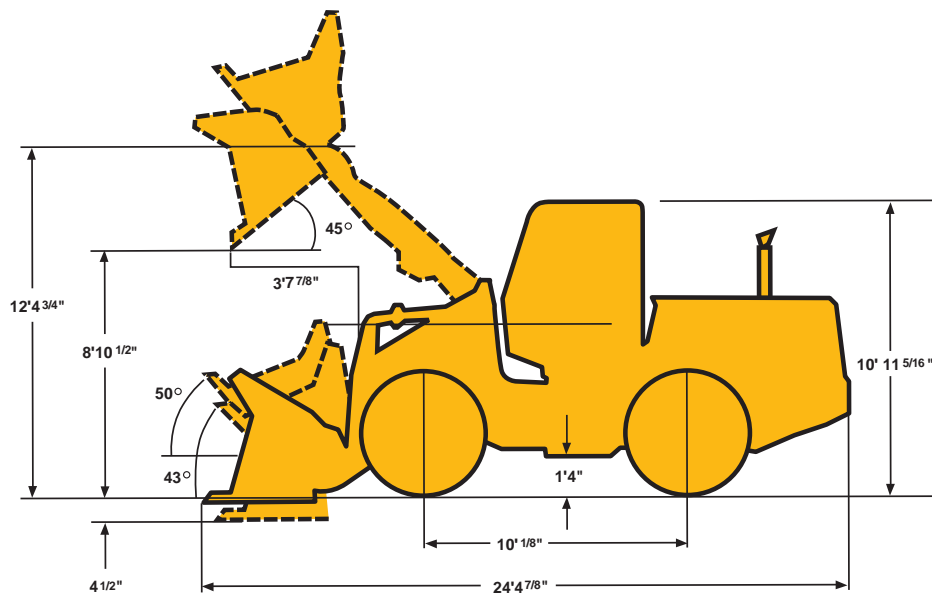
Measured in accordance with SAE J732C & J742

WEIGHTS AND DIMENSIONS (SUPPLEMENTAL DATA)

	Operating Weight	Tipping Load		Overall Width (Outside Tire)	Tread	Vertical Dimensions	Overall Length		
		Straight	Full Turn						
ROPS Canopy (Instead of ROPS Cab)	lb (kg)	-440 (-200)	-330 (-150)	-310 (-140)	in (mm)				
Remove ROPS Canopy and Cab (for transport only)	lb (kg)	-1150 (-520)			in (mm)		-10' 13/16" (-275)		
Counterweight	lb (kg)	+500 (+225)	+1200 (+544)	+1020 (+463)	in (mm)				
Tires: 20.5-25-12PR (L-3)	lb (kg)	+300 (+135)	+230 (+105)	+200 (+90)	in (mm)				
23.5-25-12PR (L-2)	lb (kg)	+1610 (+730)	+1235 (+560)	+1060 (+480)	in (mm)	+2 (+50)	+1 5/8" (+40)	+2 3/8" (+60)	-2 1/8" (-55)
23.5-25-12PR (L-2)	lb (kg)	+2030 (+920)	+1555 (+705)	+1335 (+605)	in (mm)	+2 (+50)	+1 5/8" (+40)	+2 3/8" (+60)	-2 1/8" (-55)
23.5-25-12PR (L-3) with 75% CaCl ₂	lb (kg)	+1800 (+815)	+2765 (+1250)	+2370 (+1070)	in (mm)				
Air conditioner	lb (kg)	+220 (+100)	+260 (+120)	+220 (+100)	in (mm)				
Belly Guard (rear frame)	lb (kg)	+130 (+60)	+120 (+55)	+100 (+45)	in (mm)				

Base Tire 20.5-25-12PR (L-2)

Tread 6'8 3/4" (2050mm)
 Width (outside tire) 8'5 3/4" (2585mm)
 Width (outside bucket) 8'9 1/8" (2670mm)
 Equipped with GSC bucket with bolt on cutting edge
 20.5-25-12PR (L-2) Tire and ROPS Cab



ENGINE

Make/Model/Fuel Type	Cummins/B5.9-C/Diesel
Type	4-cycle, watercooled, turbocharged after-cooled, direct injection
Net flywheel horsepower	160 HP/2400 RPM
Max Torque	490 lb/ft. @ 1500 RPM
Number of cylinders	6
Bore and stroke	4.02" x 4.72" (102mm x 120mm)
Total displacement	359 in ³ (5883 cm ³)
Alternator	AC24V - 1.68kw (65amp)
Starting motor	24V - 7.8kw (4 HP)
Battery	12V - 150AH, 2 units
Governor	All-speed, mechanical type

TORQUE CONVERTER AND TRANSMISSION

Torque converter	3 elements, single stage	
Torque stall ratio	3.65:1	
Main clutches	Wet hydraulic, multi-disk type	
Cooling method	Forced circulation type	
Transmission	Full power shift, 4 forward, 4 reverse with automatic mode (2nd - 4th) with downshift switch for 2nd - 1st downshifting	
Speeds	Forward	1st: 4.7 MPH (7.5 km/hr) 2nd: 7.8 MPH (12.5 km/hr) 3rd: 12.7 MPH (20.5 km/hr) 3rd: 23.0 MPH (37.0 km/hr)
	Reverse	1st: 4.7 MPH (7.5 km/hr) 2nd: 7.8 MPH (12.5 km/hr) 3rd: 12.7 MPH (20.5 km/hr) 3rd: 23.0 MPH (37.0 km/hr)

SERVICE REFILL CAPACITY

LOCATION	CAPACITY:	
	Gallons	Liters
Engine (coolant)	14.3	(54.0)
Fuel tank (diesel fuel)	58.1	(220.0)
Engine (oil pan)	5.8	(22.0)
Front axle (gear oil)	12.7	(48.0)
Rear axle (gear oil)	13.5	(51.0)
Steering box	0.4	(1.5)
Torque converter and transmission (engine oil)	7.9	(30.0)
Hydraulic system including tank (hydraulic oil)	35.7	(135.0)
Brake oil tank (engine oil)	1.3	(4.9)

HYDRAULIC AND STEERING SYSTEM

Steering type	Articulated frame steering	
Steering mechanism	Hydraulic power steering unit, mechanical follow up	
Lift (boom) cylinder	Two (2) double-acting piston type: 5.5" x 29.7" (140mm x 754mm)	
Tilt (bucket) cylinder	One (1) double-acting piston type: 6.3" x 19.8" (160mm x 502mm)	
Steering cylinder	Two (2) double-acting piston type: 3.1" x 15.0" (80mm x 380mm)	
Main oil pump	Gear type: 15.9 GPM @ 1800 RPM (60 LPM @ 1800 RPM)	
Steering oil pump	Gear type: 37.8 GPM @ 1800 RPM (143 LPM @ 1800 RPM)	
Pilot oil pump	Gear type: 10.6 GPM @ 1800 RPM (40 LPM @ 1800 RPM)	
Relief valve set pressure	Loading	3000 psi (210 kg/cm ²)
	Steering	3000 psi (210 kg/cm ²)
HYDRAULIC CYCLE TIME*		
Lifting time (at full load)	6.2 sec.	
Lowering time (empty)	3.1 sec.	
Bucket dumping time	1.2 sec.	
TOTAL	10.5 sec.	

* Measured in accordance with SAE J732C

AXLE SYSTEM

Drive system	4-wheel drive	
Front and rear axle	Full floating banjo type	
Tires	Standard	20.5 x 25-12PR (L-2)
	Optional	20.5 x 25-12PR (L-3) 23.5 x 25-12PR (L-2)
Reduction and differential gear	Spiral bevel/gear, 1 stage reduction torque, proportioning type	
Final reduction gear	Outboard mounted. Internal planetary gear	
Oscillation angle	±12° (total 24°)	

BRAKE SYSTEM

Service brakes	4 wheel air over hydraulic wet disc brake. Dual circuit.
Parking/Emergency brake	Spring applied air released type. Meets MSHA requirements.

STANDARD EQUIPMENT

Adjustable Steering Column Air Cleaner (Double Element Donaldson) Alarms (Audible): Air Pressure Air Master Overstroke Brake Oil Level Engine Oil Pressure Alarms (Visual): Air Filter Air Master Overstroke Air Pressure Battery Discharge Brake Oil Level Converter Oil Temperature Engine Oil Pressure Engine Coolant Temperature Parking Brake Alternator (65 amp) AM/FM Cassette Radio Batteries: 12V-150AH (2 units) Brake Line Protection (Front) Brake (Parking) Spring applied; Air released, Drum type	Brakes (Service) Air/Oil Actuation Enclosed Wet Disc Dual System Bucket Control Lever Dual, Pilot Assisted Bucket Leveler Boom Kickout Coat Hook Cold Start Aid Cup Holder Downshift Button Drawbar Electrical System (24 volt) Engine Coolant Expansion Tank Fan (Blower) Fenders (Front and Rear) Gauges: Air Pressure Converter Oil Temperature Engine Coolant Temperature Fuel Level Hour Meter Hydraulic Oil Level Tachometer	Heater/Pressurizer (40,000 BTU) Hoodsides (Hinged) Horn (Electric) Hydraulic Oil Cooler Indicators: High Beam Parking Brake Transmission Declutch Transmission Shift Monitor Working Light Linkage (Z-type, Sealed) Lights: 4 Front 2 Rear 2 Stop/Tail 2 Backup Muffler Neutral Safety Start Operator's Manual Box Radiator: Heavy Duty Plate Fin Type Radiator Grille, Hinged Reverse Alarm	ROPS Cab: Enclosed cab with sound suppression, front lights, front and rear wipers and washers, one rear view and two side mirrors, tinted glass, and sliding side windows Safety Articulation Locking Bar Seat (Super Deluxe, Adjustable, Suspension) Seat Belt, Retractable, 3" wide Shift Control Unit for Automatic Shift Torque Proportioning Differential Transmission Declutch Selector Switch Vandalism Protection Wrist Rest, Adjustable Wiper, Front Intermittant
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OPTIONAL EQUIPMENT

Air conditioner (R134) refrigerant Air dryer Belly guard Bolt-on cutting edge segments Bucket teeth	Counterweight Cushion dump valve Easy Clean Radiator Side-by-Side Emergency steering Engine pre-cleaner	High lift arm Hydraulic system, 3 spool valve Lighting system No spin differential Quick coupler and attachments	Ride Control ROPS canopy Single Lever Hydraulic Control Turn signal with four-way flasher
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