



Canada Mining Machinery Sales Ltd

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📍 #70 Haist Ave., Vaughan, L4L 5V4, ON

☎ +437 669 9966 / 437661166

✉ cmmsdirector@gmail.com

🌐 www.cmmss.ca www.lovol-canada.ca

FL 960 - Wheel loader



LOVOL WHEEL LOADER - FL 960

Product model		FL960		Product name	Wheel loader (EPA4)
Vehicle number		FL960-HKE3B7F1A800		Resource category	Temporary resource
Overview of vehicle configuration features		Cummins EPA4 engine, electronically controlled shift fixed axle box, independent cooling, Meritor wet drive axle with front + rear limited slip differentials, patterned tires (front 20PR, rear 16PR), standard arm, 3.0 cubic standard bucket, pilot control with compound action, full hydraulic dual brakes, driving shock absorption, reserved triple, K generation safety cab with front protection, heated air suspension seat, universal key, full mud and tile, air conditioning, electronically controlled heater (adjustable), LED lights throughout the vehicle, 12V charging port, rear monitor, rear wiper, rear defrost, retractor, emergency ignition switch outside the cab, license plate bracket and light, parking wedge, cast iron counterweight.			
Basic models and changes		Based on FL960-H3E3B7F1A001, the Cummins EPA4 engine is replaced, the after-treatment and bracket are added, the radiator is equipped with a fuel cooler, the fuel tank filling port is changed to the rear, the cooling pump, working pump and brake pump are replaced, the gearbox is moved back 68mm, the front protection of the cab is added, the heater is adjustable, the Gaoyu multi-function electric control handle is replaced, and the TBOX is cancelled.			
Basic configuration	Engine	Supplier and Specifications	Cummins QSB6.7	Rated speed (r/min)	2200
				Maximum torque (N.m)	1186
		Emissions	EPA4	Rated power (kW)	168 / 225 HP
	Gearbox	Type	Electronically controlled gear shift fixed axis (foreign brand)	Input torque/speed/gear ratio	1700/2200/4.152
	Torque converter	Type	Single-stage, single-phase, three-element	Torque conversion coefficient	2.58
	Drive axle	Type	Wet drive axle	Input torque/Speed/Gear ratio	5100//22.85
	Boom	Type	Standard arm	Boom length (mm)	2960 / 9.71 Feet

	Bucket	Type	Standard bucket	Bucket capacity	3 m ³ / 3.9 y ³	
				Bucket teeth type	Bucket Teeth	
	Tires	Type	Wide-base bias tires	Specifications/Inner tube/Ply/Pattern	23.5-25/Yes/20PR/L-3	
	Hydraulic System	Type	Quantitative and variable confluence	Cab	Type	K-generation cab
	Rear View Monitor	Type	Yes	Hydraulic controls	Type	Pilot controls with compound motion
	Cab temperature control	Type	Air conditioning	Seat	Type	Air suspension seat
Machine parameters	Overall dimensions (L×W×H) (mm)		8600×2980×3460	Machine weight (kg)	18780/ 41403 lbs	
	Rated load capacity (kg)		5500/ 12125 lbs	Maximum speed (km/h)	37.5	
	Wheelbase (mm)		3350/ 11 feet	Trackbase (mm)	2150 / 7.05 feet	
	Breakout force (kN)		165	Traction force (kN)	163	
	Bucket outer turning radius (mm)		7140 / 23.42 feet	Sum of three factors (s)	10	
	Steering angle (°)		37	Departure angle (°)	29	
	Dumping height (mm)		3100/ 10.17 feet	Dumping distance (mm)	1130 / 3.7 feet	



