

# 424B2

Backhoe Loader



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## Engine

KOEL 4R 1040T – Turbo Charged, Direct Injection, Four Cylinder Engine

Ratings at 2200 rpm	kW	hp
Gross Power	57	76

Dimensions		
Bore	105 mm	
Stroke	120 mm	
Displacement	4,16 liters	

## Weights

Operating Weight 7700 kg  
 Standard single tilt loader with 1.1 m<sup>3</sup> general purpose loader bucket, 0.24 m<sup>3</sup> backhoe bucket, 80 kg operator and a full fuel tank.

## Service Refill Capacities

Cooling System	15.0 L
Fuel Tank	128.0 L
Engine with oil filter	12.0 L
Transmission	7.0 L
Rear axle including planetary	17.0 L
Hydraulic Tank	38.0 L

## Machine Dimensions

### Single Tilt Loader

A Overall transport length	5698 mm
B Overall transport height (standard stick)	3726 mm
C Overall width	2422 mm
D Height to top of cab	2877 mm
E Height to top of exhaust stack	2718 mm
F Rear axle centreline to Loader bucket on the ground	4043 mm
Ground Clearance	396 mm
Front wheel tread gauge	1855 mm
Rear wheel tread gauge	1668 mm
G Wheel base	2081 mm

### Loader Bucket Dimensions

Single Tilt Loader General Purpose (Basic)		
Capacity (SAE rated)		1.1 m <sup>3</sup>
Lift capacity at maximum height		2642 kg
Breakout force		38.9 kN
H Maximum hinge pin height		3323 mm
J Dump Angle at full height		43°
K Dump Height at maximum angle		2633 mm
L Dump reach at maximum angle		837 mm
M Maximum bucket rollback at ground level		40°
N Digging Depth		85 mm
Maximum Grading Angle		109°
P Grill to bucket cutting edge, carry position		1520 mm
R Maximum operating height		4278 mm

### Backhoe Dimensions

S Maximum Digging depth	4854 mm	W Stabilizer width	2423 mm
T Digging depth, 610mm flat bottom	4850 mm	Bucket dig force	56.5 kN
U Reach from swing pivot at ground line	5637 mm	Stick dig force	34.9 kN
Loading height	3975 mm	Total side shift travel	1218 mm
V Loading reach	1742 mm		
Swing arc	180°		
Bucket rotation	205°		

## Hydraulic System

Fuel Saving- Load Sensing closed center system  
 The Hydraulic System consists of a 38 litre capacity plastic hydraulic tank with a variable displacement pump, closed centre backhoe control valve and loader control valve with steering priority valve and output device cylinders.

Pump Type	Axial Piston Variable flow
Pump Capacity @ 2200 rpm	115 lpm
System Pressure	235 bar Loader 245 bar Backhoe

## Buckets

Loader side	
standard or general purpose	1.1 m <sup>3</sup>
Backhoe side	
Standard Bucket	0.24 m <sup>3</sup>
High Production	0.27 m <sup>3</sup>
Trench Bucket	0.12 m <sup>3</sup>
Soft Soil	0.30 m <sup>3</sup>

## Transmission

Cat\*Power-Shuttle transmission.

The gear ratios are engineered to deliver higher rimpull in 1st and 2nd gear. This ensures better loading and dozing performance.

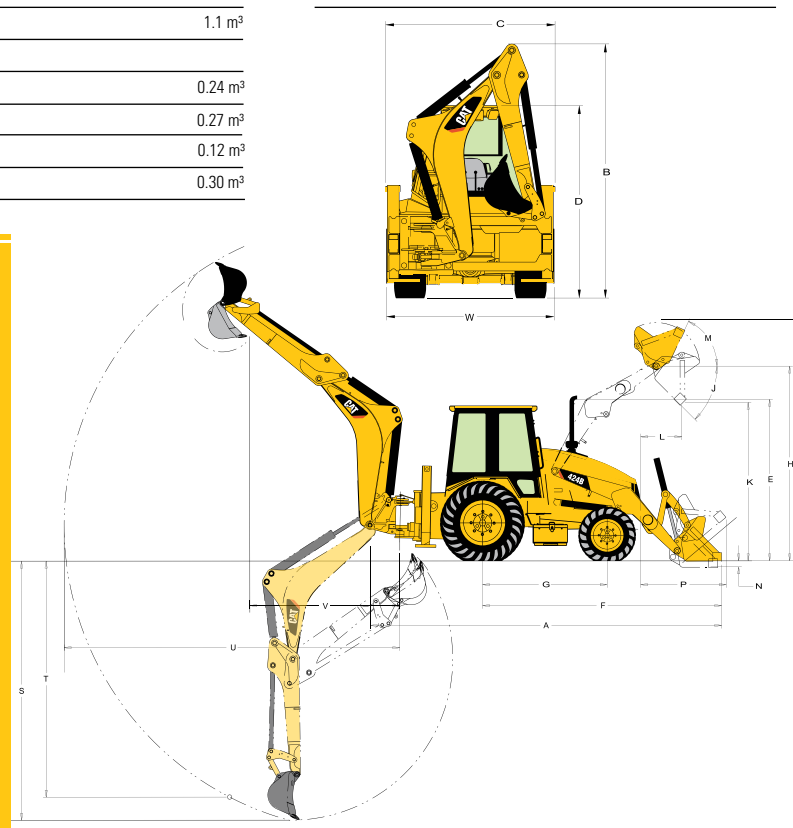
### Torque Converter

Single Stage, 2.53:1 – Stall ratio

### Travel Speed (when equipped with 16.9 X 28 Rear Tires)

Gear	Forward	Reverse
1st	6.2 km/h	6.2 km/h
2nd	10.2 km/h	10.2 km/h
3rd	23.6 km/h	23.6 km/h
4th	38.3 km/h	38.3 km/h

## Dimensions



## Steering

Fully hydrostatic equal steering, with double acting double end rod cylinder

### Turning Circle

Outside front wheels	8.7 m
Outside widest loader bucket	11.3 m

## Brakes

Fully enclosed, hydraulic, multiple discs.

## Axles

Standard two-wheel drive

## Tires

### Standard

Front	Tubed, 9 x 16 - 16 PR
Rear	Tubed, 16.9 x 28 - 12 PR

### Optional

Rear (Heavy Duty)	Tubed, 14 x 25 - 20 PR
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## Standard Equipment

(Standard and Optional Equipment may vary. Consult your Cat dealer for specifics)

Alarm backup, Air Cleaner, dry type with pre cleaner and filter condition indicator, Alternator, 90 amp, 12 volt  
 Battery, Boom, transport lock, Brace, lift cylinder, Brakes, oil disc, Bucket, loader, general purpose-1.1 m<sup>3</sup>  
 Cabin with Fan  
 Electro-hydraulic Slide frame, lock release, Engine enclosure  
 Fan, suction and fan guard, Fast reversing shuttle, all gears, Flashing hazard/ signal lights  
 Front Axle, pendulum mount, Front grill, Front headlights, Front windshield wiper  
 Gauges: Coolant temperature, fuel level, tachometer, hour meter, torque converter, oil temperature  
 Ground line fuel fill with 128 liters capacity, Grouser style stabilizer shoes  
 High Ambient cooler package, Hydraulic oil cooler, Hand Primer  
 Indicators: Air cleaner service, brake on, engine coolant, hydraulic oil level sight gauge, oil pressure, Instrument panel lights  
 Key start/stop system with auxiliary position  
 Left and Right side door with lock, Lights, Working (2 front, 4 rear), Fog Lamps 2 No.s, Load sensing, variable flow system with axial piston pump  
 Mirrors, External (1) Internal (1)  
 KOEL/4R-1040 T Turbo Charged Engine  
 Power Steering, hydrostatic  
 Recovery Bottle  
 Stabilizer controls, Seat with seat belt, Spin-on fuel, engine, Hydraulic and Transmission oil filters, Standard toolkit, Stop and tail lights (2), Swing transport lock  
 Torque converter, Throttles, hand and foot, Transmission, four-speed synchromesh, Transmission neutralizer switch, Transmission oil cooler  
 Warning horn, front electric, Water separator

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Material and specifications are subject to change without notice. Featured machines in photos may include additional equipment. See your Cat dealer for available options.

