



# Cat® 242B Series 2

## SKID STEER LOADER

### FEATURES:

The Cat® 242B Series 2 Skid Steer Loader, with its vertical lift design, delivers extended reach and lift height for quick and easy truck loading. Its stability and lifting performance provides excellent material handling. The 242B Series 2 features the following:

- **Ergonomic operator station** features easy to use pilot operated joystick controls for reduced operator fatigue and increased productivity.
- **High performance power train** provides high engine horsepower and torque, allowing part-throttle operation for lower sound levels and fuel consumption.
- **Advanced hydraulic system** is designed for maximum power and reliability. High flow hydraulic system is available for applications that demand maximum work tool performance.
- **Easy routine maintenance** helps reduce machine downtime for greater productivity.
- **Broad range of performance matched Cat® Work Tools** make the Cat Skid Steer Loader the most versatile machine on the jobsite.

## Specifications

### Engine

|                       |              |                     |
|-----------------------|--------------|---------------------|
| Engine Model          | Cat® 3024C T |                     |
| Gross Power SAE J1995 | 46 kW        | 62 hp               |
| Net Power SAE 1349    | 42 kW        | 57 hp               |
| Displacement          | 2.2 L        | 134 in <sup>3</sup> |
| Stroke                | 100 mm       | 3.9 in              |
| Bore                  | 84 mm        | 3.3 in              |

### Weights

|                  |         |          |
|------------------|---------|----------|
| Operating Weight | 3136 kg | 6,914 lb |
|------------------|---------|----------|

### Power Train

|                                   |         |         |
|-----------------------------------|---------|---------|
| Travel Speed (Forward or Reverse) | 11 km/h | 6.8 mph |
|-----------------------------------|---------|---------|

### Hydraulic System

|                                |            |              |
|--------------------------------|------------|--------------|
| Hydraulic Flow – Standard:     |            |              |
| Loader Hydraulic Pressure      | 23 000 kPa | 3,335 psi    |
| Loader Hydraulic Flow          | 60 L/min   | 15.6 gal/min |
| Hydraulic Power                | 22.7 kW    | 30.4 hp      |
| Hydraulic Flow – High Flow:    |            |              |
| Max. Loader Hydraulic Pressure | 23 000 kPa | 3,335 psi    |
| Max. Loader Hydraulic Flow     | 100 L/min  | 26 gal/min   |

### Operating Specifications

|                               |         |          |
|-------------------------------|---------|----------|
| Rated Operating Capacity      | 952 kg  | 2,100 lb |
| Tipping Load                  | 1905 kg | 4,200 lb |
| Breakout Force, Tilt Cylinder | 1841 kg | 4,060 lb |

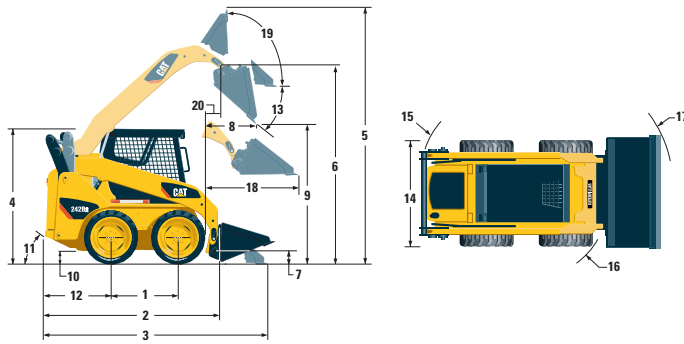
### Cab

|               |                                                                       |
|---------------|-----------------------------------------------------------------------|
| ROPS          | SAE J1040 MAY94,<br>ISO 3471:1994                                     |
| FOPS          | SAEJ/ISO 3449 APR98<br>Level I, ISO 3449:1992 Level I                 |
| FOPS Level II | SAEJ/ISO 3449 APR98<br>Level II, ISO 3449:1992<br>Level II (optional) |

### Service Refill Capacities

|                      |      |          |
|----------------------|------|----------|
| Chain box, each side | 6 L  | 1.6 gal  |
| Cooling System       | 10 L | 2.6 gal  |
| Engine Crankcase     | 10 L | 2.6 gal  |
| Fuel Tank            | 58 L | 15.3 gal |
| Hydraulic System     | 55 L | 14.5 gal |
| Hydraulic Tank       | 35 L | 9.2 gal  |

# 242B Series 2 Skid Steer Loader



## Dimensions

|                                              |           |          |
|----------------------------------------------|-----------|----------|
| 1 Wheelbase                                  | 1094 mm   | 43.1 in  |
| 2 Length w/o Bucket                          | 2760 mm   | 108.7 in |
| 3 Length w/Bucket on Ground                  | 3437 mm   | 135.3 in |
| 4 Height to Top of Cab                       | 1986 mm   | 78 in    |
| 5 Maximum Overall Height                     | 3926 mm   | 154.6 in |
| 6 Bucket Pin Height at Maximum Lift          | 3045.5 mm | 119.9 in |
| 7 Bucket Pin Height at Carry Position        | 299 mm    | 11.8 in  |
| 8 Reach at Maximum Lift and Dump             | 766 mm    | 30.2 in  |
| 9 Clearance at Maximum Lift and Dump         | 2240 mm   | 88 in    |
| 10 Ground Clearance                          | 178 mm    | 7 in     |
| 11 Departure Angle                           | 28°       |          |
| 12 Bumper Overhang Behind Rear Axle          | 989 mm    | 38.9 in  |
| 13 Maximum Dump Angle                        | 50°       |          |
| 14 Vehicle Width over Tires                  | 1676 mm   | 66 in    |
| 15 Turning Radius from Center – Machine Rear | 1545 mm   | 60.8 in  |
| 16 Turning Radius from Center – Coupler      | 1409 mm   | 56.5 in  |
| 17 Turning Radius from Center – Bucket       | 2221 mm   | 87.4 in  |
| 18 Maximum Reach w/Arms Parallel to Ground   | 1231 mm   | 48.4 in  |
| 19 Rack Back Angle at Maximum Height         | 86.9°     |          |
| 20 Bucket Pin Reach at Maximum Lift          | 285 mm    | 11.2 in  |

## MANDATORY EQUIPMENT

- Hydraulics, Standard or High Flow
- Quick Coupler, Mechanical or Hydraulic
- Seat Belt, 50 mm (2 in) or 75 mm (3 in)

### COMFORT PACKAGE *(must select one of the following)*

- Open ROPS (C0): *Static Seat*
- Open ROPS (C1): *Suspension Seat, Cup Holder*
- Enclosed ROPS (C2): *C1 + Heater, Cab Door, Side Windows, Cab Debris Barrier*
- Enclosed ROPS (C3): *C2 + Air Conditioner*

### CONTROL PACKAGE *(must select one of the following)*

- Control Package 1: *On/Off Auxiliary Hydraulics Basic*
- Control Package 2: *Proportional Auxiliary Hydraulics Deluxe*
- Control Package 3: *High Flow Hydraulics*

## STANDARD EQUIPMENT

### ELECTRICAL

- 12 volt Electrical System
- 85 ampere Alternator
- Ignition Key Start/Stop Switch
- Lights: *Gauge Backlighting, Two Rear Tail Lights, Two Adjustable Front and Rear Halogen Lights, Dome Light*

### OPERATOR ENVIRONMENT

- Gauges: *Fuel Level, Hour Meter*
- Operator Warning System Indicators: *Air Filter Restriction, Alternator Output, Armrest Raised/Operator Out of Seat, Engine Coolant Temperature, Engine Oil Pressure, Glow Plug Activation, Hydraulic Filter Restriction, Hydraulic Oil Temperature, Parking Brake Engaged*
- Vinyl Seat
- Pull Down Ergonomic Contoured Armrest
- Control Interlock System, when operator leaves seat or armrest raised: *Hydraulic System Disables, Hydrostatic Transmission Disables, Parking Brake Engages*
- ROPS Cab, Open, Tilt Up
- FOPS, Level I
- Top and Rear Windows
- Headliner, Deluxe
- Floor Mat
- Interior Rear View Mirror
- 12 volt Electric Socket
- Backup Alarm
- Horn

### POWER TRAIN

- Cat® 3024C T Tier 2 Compliant Diesel Engine
- Air Cleaner, Dual Element, Radial Seal
- S-O-S<sup>SM</sup> Sampling Valves, Engine Oil and Hydraulic Oil
- Filters: Spin on, Hydraulic
- Filters: Bayonet-type, Fuel and Water Separator
- Tilt Up Radiator/Hydraulic Oil Cooler
- Muffler, Standard
- Spring Applied, Hydraulically Released, Wet Multi Disc Parking Brakes
- Hydrostatic Transmission
- Four Wheel Chain Drive

### OTHER

- Engine Enclosure, Lockable
- Extended Life Antifreeze, -36° C (-33° F)
- Machine Tie Down Points (4)
- Support, Lift Arm
- Hydraulic Oil Level Sight Gauge
- Radiator Coolant Level Sight Gauge
- Radiator, Expansion Bottle
- Cat® ToughGuard™ Hose
- Auxiliary, Hydraulics, Continuous Flow
- Heavy Duty, Flat Faced Quick Disconnects
- Split D-Ring to Route Work Tool Hoses Along Side of Left Lift Arm
- Electrical Outlet, Beacon
- Belly Pan Cleanout

## OPTIONAL ATTACHMENTS

- Counterweight, increases rated operating capacity 45 kg (100 lb)
- Beacon, Rotating
- Engine Block Heater – 120V or 240V
- Oil, Hydraulic, Cold Operation
- Paint, Custom
- Heavy Duty Battery, 850 CCA

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