

case

Wheel Loader

SPECIFICATIONS

621B





Best in Class

The powerful 621B offers unrivaled performance with outstanding engine efficiency, superior hydraulic capacities and maximum loader productivity. No other machine comes close to the 621B.

This heavy-duty wheel loader can take on your toughest jobs under the most demanding conditions, whether you're bank loading or handling pipe.

Take command of the controls and you'll know that the 621B carries on in the tradition of the 21 Series. It's the right choice for you.

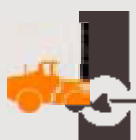


When it comes to backing up product, nobody does it better than Case. That's because we build quality and performance into everything we make. It's our philosophy, our way of doing business. And we prove it by offering one of the best warranties in the business.

Total product support is available at any of the hundreds of Case dealerships across the country. Case has one of the best dealer support services in the industry. You're assured of fast, reliable service with genuine Case replacement parts for less downtime and increased productivity. That's our commitment to you.



For increased productivity and total cycle efficiency, the operator visibility is a clear winner.



OPERATOR ENVIRONMENT

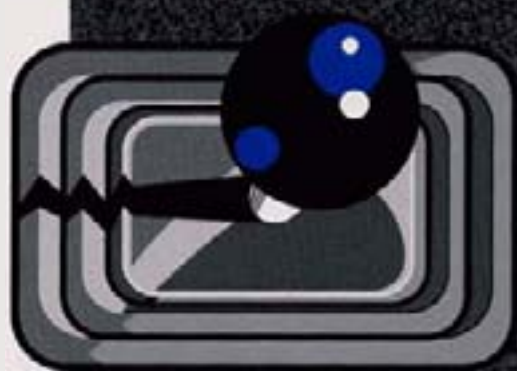
For all-around operator comfort and control, choose the 621B. The bottom line is that you'll be highly productive while minimizing operator fatigue.

- The front cab glass area is maximized to enhance forward visibility for all loading jobs. A sloped rear hood offers greater visibility of the work area than traditional square hoods.
- A suspension seat and adjustable steering wheel increases operator comfort by allowing adjustments for individual height and weight.
- The quiet cab enhances the working environment to make it comfortable for the operator.
- The transmission shifter features lever-controlled forward/reverse, with twist-grip range selection. For improved power into the pile, use the quick downshift feature on the lever or the loader control when loading in second gear. After depressing the control from either lever, the transmission automatically shifts to 1st gear for maximum tractive power, and then automatically shifts back to 2nd gear when the direction is reversed.





- Easy-to-reach servo loader controls require low effort and short throw, fingertip operation. An adjustable wrist rest is standard, providing day-long operating comfort. Five loader control options are available to customize operation to your specific needs.
- A padded steering wheel with steering knob offers low effort, comfortable operation.
- Instrumentation monitors all individual machine functions such as alternator, parking brake, brake supply pressure, hydraulic oil temperature, hydraulic oil filter, air filter, coolant temperature, fuel level, hourmeter and operating lights. An audible alarm, multi-level warning lights and liquid crystal bar graphs alert the operator to the status of each function.
- Optional analog gauges include the tachometer, voltmeter, engine oil pressure and transmission oil temperature.





ENGINE

The powerful 6T-590 6-cylinder diesel is designed for productivity and durability. Engineered and built with the toughness of the construction industry in mind, this proven workhorse will keep you working no matter what the conditions.

- The turbocharged 6T-590 engine offers increased horsepower and high altitude compensation for outstanding performance in all applications.
- Integral design incorporates external engine components into the block. This results in reduced wear and heat build-up. There are fewer moving parts for increased reliability, low operating cost and reduced maintenance.
- In overall work cycle productivity, including digging, backfilling and stockpiling, the 6T-590 proves to be an efficient engine.
- One-piece cast iron parent metal bore block allows closer tolerances for added durability.

- Integral oil pump for pressurized lubrication with oil cooler and under-piston oil nozzles provide positive cylinder wall lubrication.
- One of the best warranties in the industry backs the performance and durability of this outstanding engine.

| | |
|------------------------------------|----------------------------------|
| Model..... | 6T-590 |
| Cylinders..... | 6 |
| Bore/Stroke-in..... | 4.02 x 4.72 (102 mm x 120 mm) |
| Displacement-in ³ | 359 (5.9 L) |
| Horsepower* | |
| SAE Net..... | 125 hp (93.9 kW) @ 2200 rpm |
| Gross..... | 138 hp (102.9 kW) @ 2200 rpm |
| Maximum torque ft-lb* | |
| SAE Net..... | 429 (581 Nm) @ 1400 rpm |
| Gross..... | 443 (600 Nm) @ 1400 rpm |

Engine horsepower and torque at flywheel per SAE Standard J1349, EEC 80/1269, DIN 6271.



DRIVELINE

Powertrains can really take a beating when shifting back and forth in wheel loader applications. That's why we equipped the 621B with a driveline built to perform under the toughest conditions.

- 4 forward/3 reverse speed full powershift transmission is equipped with hydraulically actuated multi-disc clutches. An electric twist-grip range selector lever is located on the steering column. Both allow quick response to changing conditions in either direction.
- Range-sensing forward/reverse shift modulation in 1st and 2nd gear produces smooth directional changes and faster cycle times to improve productivity.
- Self-adjusting, fade-resistant outboard-mounted wet disc brakes are located at the ends of each axle. Three friction brake discs between metal discs have a total of 312 in² (2013 cm²) stopping power for each wheel.
- Selectable transmission disconnect feature activates when the left brake is engaged to allow for faster hydraulic response and allows precise inching control when braking against power. The left pedal applies brakes and electrically neutralizes power flow to the wheels or brakes against power. The right pedal applies brakes only.
- A speed sensor allows for semi-automatic shifting for upshifts and downshifts – starting out in one gear and then selecting another causes the transmission to automatically shift through the gears until the selected gear is reached. It can also be manually shifted.
- Downshift button on loader control allows the operator to downshift instantly from 2nd to 1st gear for greater push power into the pile – then automatically upshifts into 2nd gear when backing out of the pile.



TRAVEL SPEEDS mph (km/h)

| | 1st | 2nd | 3rd | 4th |
|---------|-----------|------------|-------------|-------------|
| Forward | 4.1 (6.6) | 6.9 (11.1) | 14.6 (23.5) | 20.6 (33.2) |
| Reverse | 4.2 (6.8) | 7.0 (11.2) | 15.0 (24.1) | --- |

Note: Engine at full throttle, 20.5 x 25 tires.

- Single stage integral torque converter with 2.9-to-1 stall ratio reduces shockloads to the powertrain by automatically adjusting torque to job requirements.
- Outboard-mounted planetary drive axles simplify service and reduce axle shaft stress.
- Limited slip differentials provide ground-gripping traction in adverse conditions assuring transfer of traction to wheel with solid footing.
- Separate hydraulic brake valves for front and rear actuation provide independent system security.
- Engaging parking brake applies a disc brake on transmission output shaft and disconnects the transmission to prevent drive-through.



LOADER

A front-end loader moves a variety of materials in a wide range of working conditions. You need a machine that maximizes maneuverability, operator efficiency and performance and the 621B does just that.

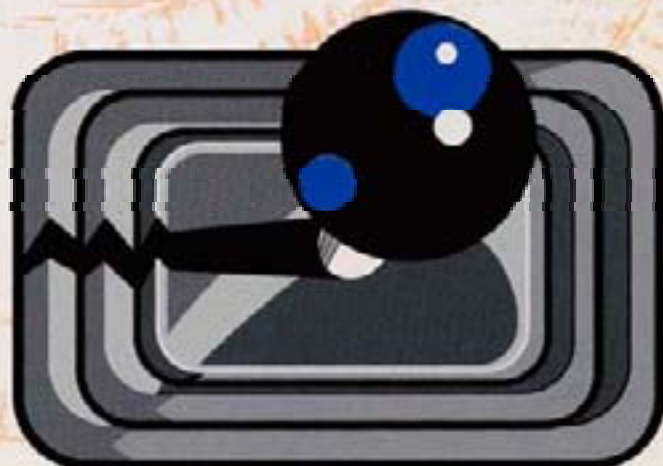
- A SAE rated breakout force of 24,799 lb (11 249 kg) puts the 621B at the front of its class.
- A 17,393 lb (7889 kg) full turn tipping load means that the 621B can easily handle 3,865 lb (1753 kg) per cubic yard of material.
- Servo loader controls with electromagnetic detents give you precise metering. The 621B features five different loader control lever options to let you match the right pattern to your operating needs.
- Automatic "return-to-dig", "return-to-travel" and height control let you concentrate on maneuvering the machine rather than positioning the loader.
- Automatic self-leveling throughout the raise cycle keeps the material in the bucket.
- Forward/reverse modulated shift shortens overall cycle time for maximum productivity in loader applications.
- The Z-bar linkage features a cast ductile iron bellcrank and bucket link powered by a 6.0" diameter cylinder.



STEERING/ ARTICULATION

A full 40° turn each side of center allows precise maneuvering in tight quarters or open spaces.

- Hydrostatic power steering lets you change direction with minimal effort. The stop-to-stop turning ratio is 4.0 turns. Two hydraulic cylinders controlled by a hydrostatic gear with relief and flow control valve steer the 621B so that the front and rear wheels always track. The outside turning radius of the tires is 17'1" (5.19 m) with 20.5 x 25 tires.
- Heavy-duty top and lower plates on the center-pivot articulation have sealed, double-tapered roller bearings with 1,000 hour lube intervals.
- Hydraulic hoses are routed through specially designed harnesses to reduce wear.





CYCLE TIMES

| | Seconds |
|--------------------------------------|-------------|
| Raise (with rated bucket load) | 5.7 |
| Dump (with rated bucket load) | 1.5 |
| Lower (empty, power down) | 5.0 |
| Lower (empty, float down) | 4.4 |
| Total Cycle Time | 11.6 |



HYDRAULICS

Providing you with more breakout force, operating load capacity and faster cycle times is what the 621B is all about. The "open" center hydraulic system is designed to give you balanced power and speed.

- A dual tandem gear pump supplies oil to the integrated loader and steering hydraulic system.
- A sight gauge placed on the reservoir lets you conveniently check the oil regularly.
- High pressure hydraulic hoses and steel hydraulic lines are routed for easy accessibility
- Located in line with the engine radiator for easy accessibility, a hydraulic oil cooling system maintains the optimum operating temperatures for maximum component life.

CYLINDERS

| | Diameter | Stroke | Rod |
|------------------|--------------------|---------------------|-------------------|
| Loader | | | |
| Dump(1) | 5.0" (127.0 mm) | 32.8" (833.6 mm) | 3.0" (76.2 mm) |
| Lift (2) | 6.0" (152.4 mm) | 21.4" (544.3 mm) | 3.0" (76.2 mm) |
| Steering | | | |
| Articulation (2) | 3.0" (76.2 mm) | 17.4" (442.7 mm) | 1.8" (44.4 mm) |
| Clam | 4.0" (101.6 mm) | 10.0" (254.0 mm) | 2.0" (50.8 mm) |

Filtration: 10-micron, full-flow, return filters furnish clean oil to all components.

HYDRAULIC SYSTEM

Steering pump

capacity 30.9 gpm @ 2200 rpm @ 2500 psi
(117 L/min @ 2200 rpm @ 17 237 kPa)

Loader pump

capacity 56.4 gpm @ 2200 rpm @ 2250 psi
(213 L/min @ 2200 rpm @ 15 513 kPa)

System relief pressure 2250 psi (15 513 kPa)

Loader control valve: Open-center, series parallel circuit, with positive low pressure regeneration for bucket dump.

SERVICEABILITY

Serviceability is an important consideration when buying any piece of equipment...and you can depend on Case to make servicing easy.

- Outboard planetaries and brakes provide easy access for maintenance to minimize downtime and simplify service.
- Upper and lower pivot points are sealed to protect the tapered roller bearings from external contamination. The machine can run 1,000 hours between lubes. Grease zerks are easy to reach with ground level access.
- All pivot pins on the loader are secured by a bolted teardrop retainer for positive hold and easy serviceability.
- Bolted loader cylinder design and conveniently located groundline accessible grease zerks make servicing easy. Sealed loader linkage pins and bushings have a 100 hour service interval.
- The bucket and lift cylinders have bolt-on cylinder heads for reliability and easy servicing.
- Convenient sight gauges allow instant groundline status checks of the radiator coolant, transmission oil and hydraulic oil.
- U-joints are lubed for life.
- Easily replaced spin-on filters for engine oil, hydraulic oil, fuel and transmission oil.
- Engine oil dipstick is easily accessible. The oil change interval is 250 hours.

SERVICE CAPACITIES

| | U.S. | Metric |
|-------------------------------|----------|---------|
| Cooling System | 7.0 gal | 26.5 L |
| Fuel Tank | 51.0 gal | 193.0 L |
| Engine Crankcase | 3.7 gal | 14.2 L |
| Crankcase and filter | 4.0 gal | 15.1 L |
| Transmission | 5.0 gal | 18.9 L |
| Service (w/filter) | 2.0 gal | 7.6 L |
| Total Hydraulic System | 40.5 gal | 153.3 L |
| Hydraulic Reservoir | 23.8 gal | 90.1 L |
| Axles (each) | | |
| Differential: front | 2.5 gal | 9.5 L |
| rear | 2.5 gal | 9.5 L |
| Hub (each): front | 1.5 gal | 5.7 L |
| rear | 1.5 gal | 5.7 L |
| Total: front | 5.5 gal | 20.5 L |
| rear | 5.5 gal | 20.5 L |

ELECTRICAL

Voltage 24 volt, negative ground
Alternator 65 amp
Batteries..... 2 - 12 volt





PERFORMANCE DATA

Spec loader is a fully serviced unit that includes all standard equipment, 20.5 x 25 12PR L2 tires, ROPS cab with heater, 2,500 lb (1134 kg) counterweight and 175 lb (79 kg) operator.

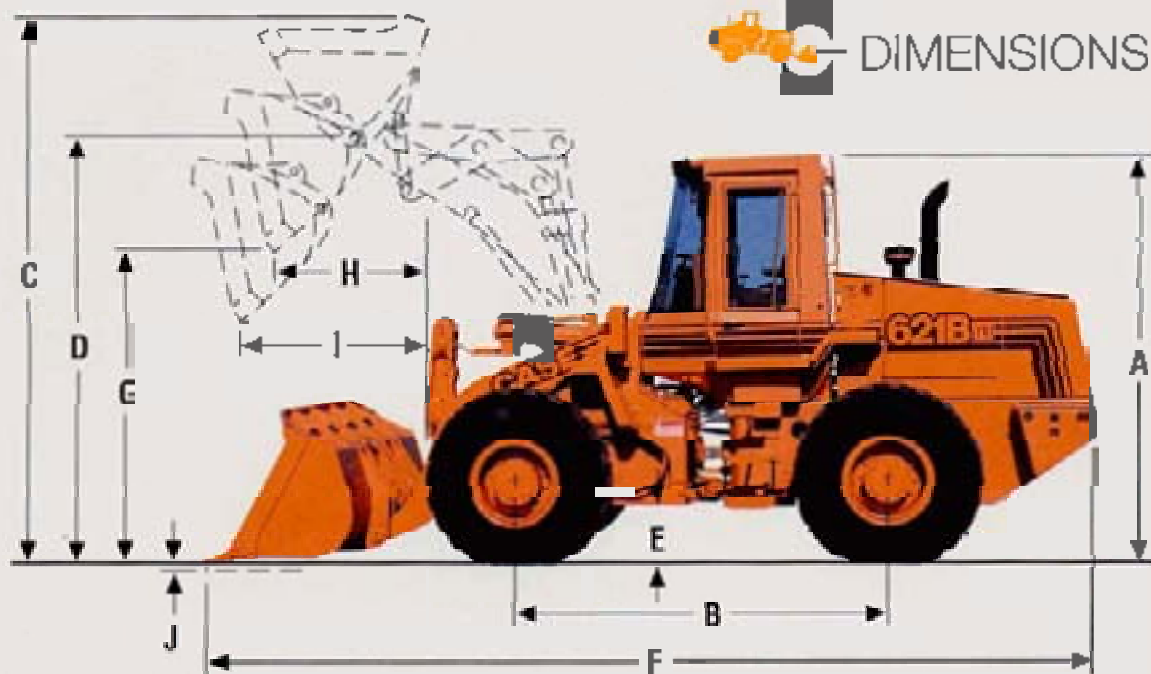
BUCKETS

| BUCKET CONFIGURATION | 2.25 yd ³ | | | 2.50 yd ³ | | | 2.75 yd ³ | | 2.0 yd ³ | | |
|--|--|--|--|--|--|--|--|--|--|--|--|
| | Bucket only | Bucket w/teeth | Bucket w/bolt-on edge | Bucket only | Bucket w/teeth | Bucket w/bolt-on edge | Bucket only | Bucket w/bolt-on edge | Bucket only | Bucket w/teeth | Bucket w/bolt-on edge |
| SAE heaped capacity | 2.25 yd ³ (1.72 m ³) | 2.25 yd ³ (1.72 m ³) | 2.41 yd ³ (1.84 m ³) | 2.50 yd ³ (1.91 m ³) | 2.50 yd ³ (1.91 m ³) | 2.60 yd ³ (1.99 m ³) | 2.75 yd ³ (2.10 m ³) | 2.79 yd ³ (2.13 m ³) | 2.00 yd ³ (1.53 m ³) | 2.00 yd ³ (1.53 m ³) | 2.28 yd ³ (1.74 m ³) |
| SAE struck capacity | 1.98 yd ³ (1.51 m ³) | 1.98 yd ³ (1.51 m ³) | 2.06 yd ³ (1.57 m ³) | 2.15 yd ³ (1.64 m ³) | 2.15 yd ³ (1.64 m ³) | 2.21 yd ³ (1.69 m ³) | 2.34 yd ³ (1.79 m ³) | 2.38 yd ³ (1.82 m ³) | 1.77 yd ³ (1.35 m ³) | 1.77 yd ³ (1.35 m ³) | 1.85 yd ³ (1.41 m ³) |
| Bucket weight | 1,726 lb (783 kg) | 1,918 lb (870 kg) | 2,094 lb (950 kg) | 2,155 lb (978 kg) | 2,441 lb (1107 kg) | 2,779 lb (1261 kg) | 1,970 lb (894 kg) | 2,456 lb (1114 kg) | 2,724 lb (1236 kg) | 3,015 lb (1368 kg) | 3,129 lb (1419 kg) |
| Bucket width | 100" (2.54 m) | 100" (2.54 m) | 100" (2.54 m) | 102" (2.59 m) | 102" (2.59 m) | 102" (2.59 m) | 102" (2.59 m) | 102" (2.59 m) | 100" (2.54 m) | 100" (2.54 m) | 100" (2.54 m) |
| Loader clearance circle, bucket at carry | 37'3" (11.35 m) | 37'7" (11.46 m) | 37'4" (11.37 m) | 37'5" (11.41 m) | 37'10" (11.52 m) | 37'7" (11.46 m) | 37'7" (11.46 m) | 37'8" (11.49 m) | 37'6" (11.42 m) | 37'11" (11.56 m) | 37'7" (11.46 m) |
| SAE breakout force | 24,799 lb (11 249 kg) | 24,583 lb (11 151 kg) | 23,373 lb (10 602 kg) | 23,911 lb (10 846 kg) | 23,695 lb (10 748 kg) | 22,213 lb (10 748 kg) | 22,641 lb (10 270 kg) | 21,311 lb (9667 kg) | 22,791 lb (10 338 kg) | 22,467 lb (10 191 kg) | 21,439 lb (9725 kg) |
| SAE tipping load - straight* | 20,515 lb (9306 kg) | 20,277 lb (9198 kg) | 19,940 lb (9045 kg) | 20,419 lb (9262 kg) | 20,049 lb (9094 kg) | 19,295 lb (8752 kg) | 20,272 lb (9195 kg) | 19,528 lb (8858 kg) | 18,885 lb (8566 kg) | 18,515 lb (8398 kg) | 18,268 lb (8287 kg) |
| SAE tipping load at 40° turn* | 17,393 lb (7889 kg) | 17,157 lb (7782 kg) | 16,842 lb (7640 kg) | 17,255 lb (7827 kg) | 16,889 lb (7661 kg) | 16,186 lb (7342 kg) | 17,145 lb (7777 kg) | 16,432 lb (7454 kg) | 15,857 lb (7193 kg) | 15,491 lb (7027 kg) | 15,261 lb (6923 kg) |
| Operating load | 8,697 lb (3945 kg) | 8,579 lb (3891 kg) | 8,421 lb (3820 kg) | 8,628 lb (3914 kg) | 8,445 lb (3831 kg) | 8,093 lb (3671 kg) | 8,573 lb (3889 kg) | 8,216 lb (3727 kg) | 7,929 lb (3597 kg) | 7,746 lb (3514 kg) | 7,631 lb (3461 kg) |
| SAE operating weight* | 26,199 lb (11 884 kg) | 26,391 lb (11 971 kg) | 26,568 lb (12 051 kg) | 26,628 lb (12 078 kg) | 26,914 lb (12 208 kg) | 27,252 lb (12 362 kg) | 26,443 lb (11 995 kg) | 26,930 lb (12 215 kg) | 27,197 lb (12 338 kg) | 27,488 lb (12 470 kg) | 27,602 lb (12 521 kg) |

*For selected option changes, adjust operating weight and tipping loads as shown in the following table.

| SELECTED OPTIONS | Weight Adjustments | | Tipping Load Adjustments | |
|--------------------------------------|--------------------|----|--------------------------|------------------|
| | lb (kg) | | Straight-lb (kg) | 40° turn-lb (kg) |
| 20.5 x 25 12PR L2 | NC | NC | NC | NC |
| 20.5 x 25 16PR L2 | +168 (+76) | | +323 (+147) | +360 (+163) |
| 20.5 x 25 12PR L3 | +336 (+152) | | +340 (+154) | +351 (+159) |
| 20.5 x R25 XHAT 1* | +480 (+218) | | +122 (+55) | -5 (-2) |
| 20.5 x R25 XGLAT 1* | +250 (+113) | | -187 (-85) | -303 (-137) |
| 17.5 x 25 12PR L2 | -844 (-383) | | -514 (-233) | -352 (-160) |
| 17.5 x 25 12PR L3 | -740 (-336) | | -358 (-162) | -322 (-146) |
| 17.5 x R25 XHAT 1* | -540 (-245) | | -159 (-72) | -27 (-12) |
| 17.5 x R25 XGLAT 1* | -676 (-307) | | -253 (-115) | -106 (-48) |
| 1,500 lb (680 kg) counterweight | -1,000 (-454) | | -2,049 (-929) | -1,671 (-758) |
| ILO 2,500 lb (1134 kg) counterweight | | | | |
| ROPS canopy | -295 (-134) | | -270 (-122) | -245 (-111) |

NOTE: Ballast is not approved with the 2,500 lb (1134 kg) counterweight and/or 20.5 x 25 tires.



Dimensions are for spec loader with 20.5 x 25 12PR tires and 2.25 yd³ bucket.

| | |
|--------------------------------|-----------------|
| A- Height to top of cab/canopy | 10'8" (3.26 m) |
| B- Wheel base | 114.0" (2.90 m) |
| C- Overall height | 15'8" (4.77 m) |
| D- Hinge pin height | 12'1" (3.68 m) |
| E- Ground clearance | 16.8" (427 mm) |

TIRE SIZE ADJUSTMENT FOR VERTICAL DIMENSIONS

| | |
|-----------|-------------------|
| 20.5 x 25 | 0" (0 mm) |
| 17.5 x 25 | -2.25" (-57.2 mm) |

| | |
|------------------|--------------|
| Tread width | 74" (1.88 m) |
| Width over tires | 96" (2.44 m) |

(The following dimensions are affected by bucket configuration)

BUCKETS

| BUCKET CONFIGURATION | EXCAVATING 2.25 yd ³ | | | EXCAVATING 2.50 yd ³ | | | STOCKPILING 2.75 yd ³ | | MULTIPURPOSE 2.0 yd ³ | | |
|---------------------------------------|------------------------------------|--------------------|-----------------------|------------------------------------|--------------------|-----------------------|-------------------------------------|-----------------------|-------------------------------------|--------------------|-----------------------|
| | Bucket only | Bucket w/teeth | Bucket w/bolt-on edge | Bucket only | Bucket w/teeth | Bucket w/bolt-on edge | Bucket only | Bucket w/bolt-on edge | Bucket only | Bucket w/teeth | Bucket w/bolt-on edge |
| F- Overall length | 22'2" (6.76 m) | 22'9" (6.93 m) | 22'4" (6.81 m) | 22'3" (6.78 m) | 23'0" (7.01 m) | 22'5" (6.83 m) | 22'5" (6.83 m) | 22'7" (6.88 m) | 22'6" (6.86 m) | 23'3" (7.09 m) | 22'8" (6.91 m) |
| G- Dump clearance @ full height - 45° | 9'6" (2.90 m) | 9'0" (2.73 m) | 9'4" (2.84 m) | 9'5" (2.88 m) | 8'11" (2.73 m) | 9'3" (2.82 m) | 9'4" (2.84 m) | 9'2" (2.79 m) | 9'3" (2.82 m) | 8'8" (2.64 m) | 9'1" (2.77 m) |
| H- Bucket reach @ full height - 45° | 37.7" (958 mm) | 37.7" (958 mm) | 38.1" (968 mm) | 38.5" (978 mm) | 38.5" (978 mm) | 38.7" (983 mm) | 39.8" (1.01 m) | 40.2" (1.02 m) | 36.8" (935 mm) | 36.8" (935 mm) | 36.8" (935 mm) |
| I- Bucket reach @ 7° (2.13 m) - 45° | 56.2" (1.427 m) | 56.2" (1.427 m) | 55.8" (1.417 m) | 56.6" (1.438 m) | 56.6" (1.438 m) | 55.9" (1.420 m) | 57.4" (1.458 m) | 56.7" (1.440 m) | 53.8" (1.367 m) | 53.8" (1.367 m) | 54.2" (1.377 m) |
| J- Dig depth below groundline | 2.75" (70 mm) | 2.7" (69 mm) | 3.8" (97 mm) | 2.6" (66 mm) | 2.6" (66 mm) | 4.0" (102 mm) | 2.7" (69 mm) | 4.0" (102 mm) | 5.7" (145 mm) | 5.7" (145 mm) | 6.8" (173 mm) |

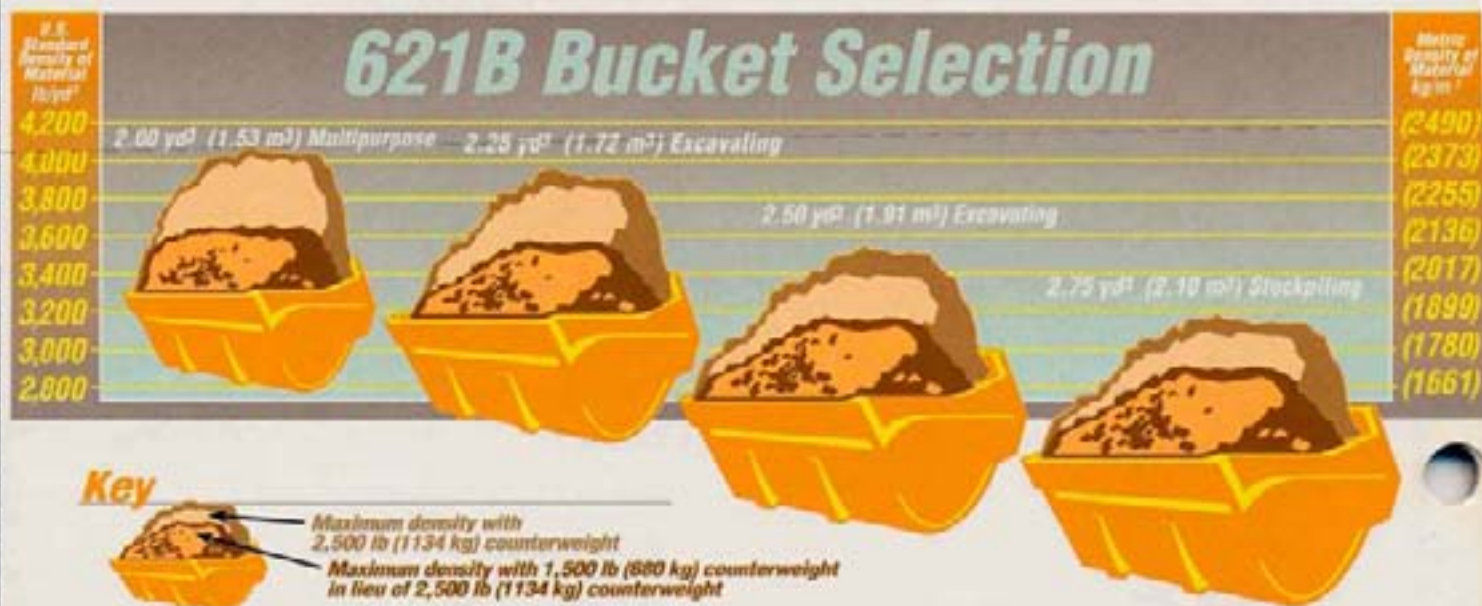


BUCKET SELECTION

Productivity and performance characteristics are maximized when the 621B is properly equipped and applied. The following chart is a guide to sizing buckets based on material density. Bucket recommendations are based on average working conditions. Additional factors, such as tires, counterweight, terrain, weather and options must be considered in bucket selection.

To determine optimum bucket size:

1. Determine density of material being handled using the Material Density Chart below.
2. Locate density in the column (U.S. or Metric) next to the 621B Bucket Selection Illustration.
3. Follow density along its horizontal line to find which bucket(s) can be used for that material density.



MATERIAL DENSITY CHART

| Material | Density (Loose) |
|-------------------------------------|---------------------------|
| Caliche | 2,100 lb/yd³ (1250 kg/m³) |
| Clay | |
| Natural bed | 2,800 lb/yd³ (1600 kg/m³) |
| Dry | 2,500 lb/yd³ (1480 kg/m³) |
| Wet | 2,800 lb/yd³ (1660 kg/m³) |
| With gravel, dry | 2,400 lb/yd³ (1420 kg/m³) |
| With gravel, wet | 2,600 lb/yd³ (1540 kg/m³) |
| Coal | |
| Anthracite, broken | 1,850 lb/yd³ (1100 kg/m³) |
| Bituminous, broken | 1,400 lb/yd³ (830 kg/m³) |
| Earth | |
| Dry, packed | 2,550 lb/yd³ (1510 kg/m³) |
| Wet, excavated | 2,700 lb/yd³ (1600 kg/m³) |
| Loam | 2,100 lb/yd³ (1250 kg/m³) |
| Granite, broken or large crushed .. | 2,800 lb/yd³ (1660 kg/m³) |

| Material | Density (Loose) |
|------------------------------------|---------------------------|
| Gravel | |
| Dry | 2,550 lb/yd³ (1510 kg/m³) |
| Pit run (graveled sand) | 3,250 lb/yd³ (1930 kg/m³) |
| Dry - 1/2" to 2" (13 to 50 mm) .. | 2,850 lb/yd³ (1690 kg/m³) |
| Wet - 1/2" to 2" (13 to 50 mm) .. | 3,400 lb/yd³ (2020 kg/m³) |
| Limestone, broken or crushed | 2,600 lb/yd³ (1540 kg/m³) |
| Sand | |
| Dry | 2,400 lb/yd³ (1420 kg/m³) |
| Wet | 3,100 lb/yd³ (1840 kg/m³) |
| With gravel, dry | 2,900 lb/yd³ (1720 kg/m³) |
| With gravel, wet | 3,400 lb/yd³ (2020 kg/m³) |
| Sandstone, broken | 2,550 lb/yd³ (1510 kg/m³) |
| Shale | 2,100 lb/yd³ (1250 kg/m³) |
| Slag, broken | 2,950 lb/yd³ (1750 kg/m³) |
| Stone, crushed | 2,700 lb/yd³ (1600 kg/m³) |
| Topsoil | 1,600 lb/yd³ (950 kg/m³) |

621B EQUIPMENT DATA

Standard Equipment

| | |
|--------------------------------------|---|
| Articulation lock | Loader control levers |
| Air precleaner | Hydraulic-actuated levers |
| Backup alarm | Electromagnetic detents |
| Brakes – 4-wheel, outboard, wet disc | Automatic "return-to-dig"/height control |
| Bucket position indicator | "Return-to-travel"/self-leveling |
| Canopy – ROPS | Master electrical disconnect |
| Diesel engine | Parking brake |
| Electronic instrument cluster | Power steering |
| Engine side doors | Pusher fan |
| Fenders: front and rear | Steering knob |
| Fuse circuit protection | Suspension seat (deluxe) w/2" retractable seat belt |
| Horn | Tilt steering column |
| Hydraulic oil cooler | Transmission |
| Lights | 4F/3R powershift |
| Front and rear halogen flood lights | Semi-automatic shifting |
| Combined tail and stop lights | Quick downshift button |
| Driving lights/turn signals | Transmission oil cooler |
| Warning flashers – 4-way | Vandal protection lockup package |
| | Windshield wiper, front and rear |
| | Windshield washer |
| | Wrist rest |
| | 65 amp alternator |

Optional Equipment

| | |
|--|---|
| Air conditioner (cab) | Counterweight package: 2,500 lb (1134 kg) |
| Analog gauges | Cold start aid (ether and heavy-duty battery) |
| Beacon: rotating | Mirrors (2 exterior) |
| Buckets | Lift and tie-down brackets |
| 2.25 yd ³ (1.72 m ³) excavating | |
| 2.50 yd ³ (1.91 m ³) excavating | |
| 2.75 yd ³ (2.10 m ³) stockpiling | |
| 2.00 yd ³ (1.53 m ³) multipurpose | |
| Bucket accessories | |
| Teeth (2-piece, set of 8) | |
| Bolt-on edge | |
| Cab (pressurized) | |
| w/heater, defroster | |





TIRE OPTIONS

| Size | Kind |
|---------------------------|--|
| 17.5 x 25 12PR L2 | Bias ply dirt (all soil conditions) |
| 17.5 x 25 12PR L3 | Bias ply rock (normal rock conditions) |
| 17.5 x R25 XHAT 1* | Radial (normal rock conditions) |
| 17.5 x R25 XGLAT 1* | Radial (all soil conditions) |
| 20.5 x 25 12PR L2 | Bias ply dirt (all soil conditions) |
| 20.5 x 25 16PR L2 | Bias ply dirt (all soil conditions) |
| 20.5 x 25 12PR L3 | Bias ply rock (normal rock conditions) |
| 20.5 x R25 XHAT 1* | Radial (normal rock conditions) |
| 20.5 x R25 XGLAT 1* | Radial (all soil conditions) |



ALLIED EQUIPMENT

The 621B is a prime mover for a wide range of attachments. Meet today's market demand with the versatility and productivity of the Case 621B using these allied supplied attachments.

Contact your Case dealer regarding the use of the right attachment for your application.

- Asphalt cutters
- Booms (jib crane)
- Blades
 - landfill
 - woodchip
- Buckets
 - grapple
 - light material
 - rock
 - trash
 - demolition
- Forks
 - log and lumber
 - pipe and pole
 - car body
- Grapples
 - scrap
 - log
- Snow equipment
 - blowers
 - plows
 - blades
- Rakes
- Specialty tires

The dealer who sells and services your Case equipment is also your source for Case Credit financing.

Case Credit offers financial products you can count on, including finance plans, leases, insurance and repair financing.

Case Credit...
bringing people and product together.®

Sold and serviced by:

NOTE: All specifications are stated in accordance with SAE Standards or Recommended Practices, where applicable.

IMPORTANT: J I Case reserves the right to change these specifications without notice and without incurring any obligation relating to such change. Units shown may be equipped with non-standard equipment.

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