375/375 L
Hydraulic Excavator

Cat® Turbocharged ATAAC 3406C Engine	319 kW (428 hp)
Travel Speed	4.4 km/h (2.7 mph)
Drawbar Pull	546 kN (122,800 lb)
Operating Weights:	
375	81,190 kg (178,800 lb)
375 L	82,380 kg (181,500 lb)

FEATURES

Introducing the Caterpillar® 375 Excavator!

The Cat 375 Excavator represents a new era in excavator design. Created by an international design team, these excavators serve customers' applications worldwide through a wide variety of attachment configurations. They're built in Caterpillar plants, using the most sophisticated manufacturing technologies. These technologies ensure the highest level of manufacturing quality. And that quality, along with high Cat design standards, mean the 375 Excavator will deliver the reliability and productivity you demand from Caterpillar.

Versatile, Productive

The Cat 375/375 L Excavator is designed to produce…and built to last!

■ Exceptional versatility — easily configured through a wide variety of machine attachments.
- Two undercarriages...standard and long.
  - – Standard undercarriage...is an excellent choice for most applications.
  - – Long undercarriage...places more track on the ground for high flotation in soft underfoot conditions and improved stability.
- Three booms...reach, general purpose and mass excavation.
  - – Reach boom...maximizes the digging envelope and lifting capacities.
  - – Mass excavation boom...provides higher forces and bucket capacities for high production and bulk earthmoving applications.
  - – General purpose boom...provides reach and depth comparable with competitive models, but with higher force levels and greater bucket capacities. It is a good alternative for those applications where the large envelope of the reach boom is not required.
- Seven sticks…are available to configure with the booms for maximum productivity.
  - – Two sticks available for the Reach boom, and four sticks for the General purpose.
  - – Three sticks available for the Mass excavation boom.
- Nine buckets…including excavation, extreme service excavation, mass excavation, extreme service mass excavation, trenching, and rock designs...are available.
  - – Buckets are classified by families — H and J. Families match with specific sticks.

■ Power mode selector — gives operator a choice of power settings to match job requirements, yet conserve fuel.
- Level I…provides exceptional implement control for precision work such as fine grading and lifting…delivers maximum fuel economy and lowest noise levels.
- Level II…balances power and speed for applications which do not require maximum production. Level II also reduces fuel consumption and noise levels.
- Level III…delivers maximum power for heavy duty applications and fast cycle times…best choice for high-production operations.

■ Excellent fuel efficiency — helps maximize your profit.
- Turbocharged and aftercooled, Cat 3406C-ATAAC Engine with direct injection fuel system and Air to Air Aftercooler.
- New proportional priority, pressure compensated, hydraulic system provides efficient control of hydraulic power for maximum efficiency.
- Automatic engine control… conserves fuel when implement and travel controls are not activated.
- Power mode selector…limits power to what is needed for the job…increases fuel economy.

■ Auxiliary hydraulic valve is standard.
- Additional hydraulic valves and lines available from the factory for specialized applications.

■ Heavy lift option available.
- Increases lifting capability up to 15% for operation over the front of the machine.
- Provides slow implement speed for precise handling of heavy objects.

Operator Comfort

Large, spacious operator station designed to promote operator comfort and ease of operation for maximum, shift-long productivity.

- Pilot-operated, adjustable joysticks — control all front end and swing functions.
  - Pilot-control circuit…reduces lever efforts to less than .9 kg (2 lb) pressure…for easy operation.
  - Load-sensing feature… increases pump flow in direct proportion to joystick movement for precise control, maximum productivity.
  - Joystick consoles…adjust forward and backward, relative to the seat, for maximum operator comfort and productivity.
- Travel controls either hand lever or foot pedal operated — offer maximum versatility, increased productivity.
  - Pedals…allow operator to work implement joysticks while moving machine… excellent for fine-grading and pipehandling operations.
  - Levers…allow inching for precision operations such as placing pipe.
  - Levers can be removed from pedals…giving the operator a choice if he prefers only foot pedals.
- Monitor panel — continually informs operator of machine status and houses most machine system controls.
  - High-definition, liquid crystal display (LCD) gauges, for engine coolant temp, hydraulic oil temp and fuel level. Most switches are located on the monitor panel…easy to read, even in bright sun light.
  - Three-level warning system… alerts operator to potential component or system problems before costly damage occurs.
    - Indicator light alerts operator to a problem that should be checked when the machine is stopped.
    - Master warning light alerts operator to a serious problem…operator should reduce working load and check problem as soon as possible.
    - Warning buzzer tells operator to stop machine immediately to help prevent serious damage.
  - Flat, push-type switches… protected from dust and moisture. Indicator by each switch tells whether the switch is on or off.
- Low sound levels — machine is designed to keep noise levels to a minimum.
  - Resiliently mounted cab… reduces amount of noise transmitted to operator through machine.
  - Rubber mounted hydraulic control valve reduces vibration and noise transfer to the mainframe.
  - Thick rubber mat…reduces sound entry through the floor.
  - Headliner, door panel, right side wall panel and rear panel are insulated for sound suppression.
- Excellent visibility and ventilation.
  - Two-piece, retractable front windshield, sliding window in door…allow excellent cross ventilation.
  - Large skylight in roof…for enhanced overhead visibility.
- Fully adjustable suspension seat — operator has wide range of adjustment for maximum comfort.
  - Fore and aft adjustment.
  - Height adjustment.
  - Suspension adjustment according to operator's weight.
  - Back cushion, fore and aft adjustment.
  - Seat cushion, fore and aft adjustment.
  - Armrest height adjustment.
  - Headrest adjustment.
  - Retractable seat belt.
- Air conditioner, heater, defroster and fan are standard — allow greater operator comfort.
  - Operator selects fresh, recirculated, heated or cooled air at the flip of a switch.
  - Sixteen vents…designed in, not added on.
    - Air vents are provided below the front window, below the seat and along the two rear pillars of the cab.
    - Louvers allow operator to direct air flow for maximum comfort.
  - Positive filtered ventilation maintains cab pressure preventing unfiltered air from entering.
  - Air is filtered before entering cab…maintains cleaner operator environment.
- Vandal guards are standard
  - Guards cover windshield and sliding window in door.

Electronic Power Control (EPC)

- Electronic Engine Throttle
  - Dial on the right console provides easy, accurate throttle settings.
- Automatic Engine Control — AEC - reduces engine RPM to 1300 if no hydraulic function is used for 3 seconds.

  Manual AEC - reduces engine RPM to 950 when the switch at the top of the right joystick is activated, touching it again or activating hydraulic function returns to the original RPM setting.
- Diagnostic Capability — Access to comprehensive machine self diagnosis is available through the monitor panel.
- Electronic underspeed control system — destrokes hydraulic pumps if engine slows under load.
  - System maintains engine RPMs for maximum hydraulic power.
  - System allows excavator to use full engine power… eliminates need for “built-in” reserve horsepower.
- Power mode selector — electronically controls engine speed and power…maximizes fuel efficiency and reduces noise.
  - Level I setting allows 60 percent of the hydraulic output…maximum fuel efficiency, lowest noise level.
  - Level II setting provides 80 percent of the available power…reduces fuel consumption and noise.
  - Level III setting delivers 100 percent of available power…for maximum productivity.
- Backup Functions — In the rare case of an electronic malfunction backup switches for the electronic throttle control and/or pump control allow the machine to keep working.

PPPC (Proportional Priority Pressure Compensated Hydraulic System)

Advanced, closed-center hydraulic system proportions oil flow according to joystick movement, providing smooth, predictable implement control and high productivity.

- Two-pump implement system —
  - Two variable-displacement, axial-piston pumps...power the implement and travel circuits.
- Independent swing pump — one variable-displacement, axial-piston pump provides fast swing, even in multi-function operations.
- Two-pump combined flow — provides fast implement speeds for maximum productivity.
  - Flow to implements is determined by lever movement.
  - Two-pump flow helps insure good simultaneous operation.
- Straight travel feature — automatically maintains straight travel during implement operation.
  - Greatly improves material handling and fine grading capabilities.
- PPPC Features — smooth simultaneous multi-function control, no need for work mode choices.
  - Proportional joystick movement control. Operator has precise control from feathering to full speed because pump flow increases in direct proportion to lever movement...smooth starts and stops are important when handling full loads.
  - Pump flow on demand - pump flow is decreased to a minimum when implement and travel controls are in neutral...reduces fuel consumption and noise.
  - Synchronized control of multi-functions when maximum flow is reached - allows implements to move at a reduced rate at maximum flow with flow proportioned according to operator demand.
  - High Pressure Cut (HPC) - improves efficiency by ensuring that the pumps do not produce excess flow. Oil flow is reduced to a minimum just before hydraulic pressure reaches relief valve setting.
- Main control valve — consists of two monobloc valves which use fewer lines and reduced restriction for increased hydraulic efficiency.
  - Valves, pumps and tank are closely located for shorter line runs...decrease system losses for greater efficiency.
  - Auxiliary valve is standard
    - Part of the main control valve.
    - Requires additional hydraulic arrangement that includes servo and pilot lines, upperstructure lines and controls. All available as attachments from the factory.
- Hydraulic cylinder snubbers — cushion shocks at the ends of cylinder strokes…reduce noise…lengthen cylinder life.
  - Used at rod ends of boom cylinders and both ends of stick cylinders.
- Cat's XT-5 hose and couplings — meet the critical flexibility and strength demands of today's hard-working hydraulic systems.
  - XT-5 hose and O-ring face seal couplings…provide positive sealing for reliable, leak-free connections.

Durable Components and Structures

Cat 375/375 L Excavator structures are built to withstand the toughest working conditions.

■ Advanced carbody design — enhances machine durability.
- Wide, box-section carbody…delivers excellent resistance to torsional bending.
  - – Carbody is bolted directly to the roller frame by 60 heavy-duty bolts to minimize movement between the carbody and roller frame.
  - – Forged swing bearing support resists high shock loads.
- Robot welding…ensures consistent, high-quality welds throughout the manufacturing process.

■ Twin swing motors.
- Dual swing motors provide excellent swing acceleration and long life.
- The use of two motors allows a smooth transition of force to the swing gear and spreads the load to enhance swing gear life.

■ Rugged main frame — designed for maximum durability and efficient use of materials.
- Two outside channel beams and channel cross beams support the operator's platform and hydraulic componentry.
- Two long, box-section beams form the backbone of the main frame, bearing the weight of the counterweight, engine and boom foot.
- Boom tower and main rails…constructed of solid, high-tensile strength steel plates for excellent durability.
  - – Boom foot and engine mount areas reinforced for additional strength.
- Majority of welding is performed by robots for consistency and quality.

■ Robot-welded track roller frames —
- Fabricated U-section design.
- Track roller frames are bolted to the carbody which allows the machine a narrower transport dimension.

■ Caterpillar excavator booms and sticks — built for performance and long service life.
- Large, welded, box-section structures with thick, multi-plate fabrications in high-stress areas.
  - – Construction allows structures to flex, dissipate stresses…results in maximum strength through efficient design and use of materials.
- Steel forgings…used at high stress areas…boom foot, boom nose, boom cylinder and stick foot connections.
- Stress relieving of booms and sticks maximizes life and minimizes structure weight.

Highly Mobile, Stable Undercarriage

Caterpillar built undercarriage…unique design specifically for excavators…can be configured with emphasis on stability, maneuverability, lifting capacity, boom/stick choice, ground conditions or ease of transport according to job application.

- Two undercarriage sizes available — machine can be configured to match job application, ground conditions for best possible performance.
  - Standard undercarriage ...provides greater maneuverability.
    - This undercarriage offers maximum turning capability when equipped with narrow shoes.
    - Standard undercarriage is well-suited for applications that require frequent repositioning of the machine, have restricted working space, or have uneven or rocky terrain.
  - Long undercarriage...provides maximum stability and lifting capacity.
    - This undercarriage is longer, and heavier than the standard undercarriage. It offers the greatest flotation, stability and lifting capacity when equipped with the widest shoes.
    - Long undercarriage also is best choice when working with very large buckets.
- Caterpillar Sealed Track — choice of three shoe sizes, for maximum versatility.
  - Narrow shoes offer the longest service life…transfer lowest torsional stresses on the undercarriage components.
  - Medium-width shoes should be used when additional traction and flotation are required.
  - Wide shoes are recommended in soft underfoot conditions where maximum flotation is required.
  - Large links, pins and bushings form the basis of an undercarriage suitable for the most demanding applications.
  - Belleville seals keep dirt out, for long service life.
- Triple-reduction, planetary final drives — distribute loads over multiple teeth for excellent durability.
- Independent, two-speed, axial-piston track motors — deliver smooth power to tracks, yet allow counter-rotation for spot turns and maneuvering in tight quarters.
  - Automatic shifting…allows the travel speed to change, depending on terrain and drawbar pull, without operator involvement.
    - Hydraulic actuation helps ensure smooth shifts in comparison to electronically controlled systems.
    - Cross line relief valve reduces shock during shifts.
  - Counterbalance valve…helps prevent overspeed during downhill travel.
- Travel motors, brakes and final drives — are integrated as much as possible within the track roller frames for protection against contact damage.
  - Hydraulic lines to track motors…routed through guarded passages for long service life.
- Oil-disc brakes on final drive input shafts — hold machine steady during the work cycle.
  - Brakes automatically apply when travel controls are released.
  - Brakes automatically release when travel controls are activated.
- Track roller frames — U-section design for efficient use of materials yet exceptional strength and service life.
  - Bolted connection to the carbody allows gauge to be reduced for improved transportability.
  - Track rollers, carrier rollers and idlers…sealed and lifetime lubricated for long service life.
    - Rollers designed specifically for excavator applications.
  - Integral idler guards and bolt-on center guards are standard …help maintain track alignment while traveling or working on slopes.
    - Optional guard groups available.

SPECIFICATIONS

Caterpillar Engine

Flywheel power
at 1800 RPM.....319 kW (428 HP)

Kilowatts (kW) is the International System of Units equivalent to horsepower.

Net power at the flywheel of the machine engine is based on standard air conditions of 25° C (77° F) and 99 kPa (29.32 Hg) dry barometer. Power is based on using 35° API gravity fuel having an LHV of 42 780 kJ/kg (18,390 Btu/lb) when used at 30° C (86° F) [ref. a density of 838.9 g/L (7.001 lb/U.S. gal)]. Net power advertised is the power available at the flywheel when the engine is equipped with fan, air cleaner, muffler and alternator. No derating required up to 2300 m (7,550 ft) altitude.

Caterpillar four-stroke-cycle, 3406C turbocharged ATAAC diesel engine with six cylinders, 137 mm (5.4") bore, 165 mm (6.5") stroke and 14.6 liters (893 in^3) displacement.

Direct-injection fuel system with injection pump. Cam-turned and tapered, aluminum-alloy pistons have three rings each and are oil cooled. Connecting rods are tapered.

Uniflow cylinder head design eliminates crossover manifold piping. Internal fuel, oil and water passages used instead of external lines. Deep-skirted, cast cylinder block. Induction-hardened, forged crankshaft. Steel camshaft is fully journaled at every block bulkhead. Oscillating roller followers and short pushrods for precision engine timing. Four alloy-steel valves per cylinder.

Direct-electric, 24-volt starting system with a 75-amp alternator, 7.5 kW starter and two 12-volt, 210-amp-hour batteries.

Hydraulic System

Two variable-displacement, axial-piston pumps power the boom, stick, bucket and travel. A third pump powers the swing circuit. One, single-section, gear-type pump powers the pilot circuit.

Main system:
- Implement pump flow .....2 x 430 liters/min (2 x 114 GPM)
- Swing pump flow.....340 liters/min (90 GPM)
- Maximum pressure:
  - Implements .....31 400 kPa (4,550 psi)
  - Travel .....34 300 kPa (4,980 psi)
  - Swing.....27 500 kPa (3,980 psi)

Pilot system:
- Maximum flow.....50 liters/min (13.2 GPM)
- Maximum pressure.....3500 kPa (505 psi)

Cylinders, bore and stroke:
- Boom (2).....200 x 1967 mm (7.87" x 77.4")
- Stick (1) .....220 x 2262 mm (8.66" x 89.06")
- Bucket (1):
  - H family.....200 x 1376 mm (7.87" x 54.17")
  - J family.....220 x 1508 mm (8.66" x 59.37")

Snubbers are used at the rod ends of the boom cylinders and at both ends of the stick cylinder.

Controls

Two joystick hand levers actuate boom, stick, bucket and swing. (SAE pattern.)

Right lever: Move forward and backward to lower and raise boom. Move left and right to control bucket curl and dump. Button on top is automatic engine control system's manual switch. Operator can increase or decrease engine speed by pushing the button.

Left lever: Move forward and backward to move stick out and in. Move left and right to control direction of swing. Button on top controls horn.

Oblique movement of either lever operates two functions simultaneously. Manually applied lever on left console cuts off pilot pressure for joysticks and travel controls and electrical power for engine starting circuit.

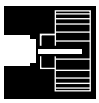
Monitor panel contains switches for power mode selector, automatic engine control, lights, windshield wiper, windshield washer, travel speed selector and alarm cancel. Blind switch for troubleshooting also is located on monitor panel.

Steering

Two rocker pedals with detachable hand levers control steering and travel functions. Controls are pilot-operated for reduced efforts. Left pedal and lever control left track; right pedal and lever control right track. When idlers are in front: (1) Pushing both pedals or levers forward moves the excavator straight ahead. (2) Rocking both pedals or pulling both levers backward moves the excavator straight back. (3) Moving one pedal or lever more than the other, either forward or backward, results in a gradual turn. (4) Moving one pedal or lever forward and the other pedal or lever backward counter-rotates the tracks for spot turns.

Brakes

Two wet, multiple-disc brakes are used on the final drive input shafts. Spring-applied, hydraulically released. Actuating a travel control simultaneously releases the brakes. When the controls are released, the brakes automatically apply.



Drive

Fully hydrostatic drive. Each track is driven by an independent, two-speed, axial-piston hydraulic motor. Triple-reduction, planetary final drives are splash lubricated. Track motors, brakes and final drives are integrated in the track roller frame for protection against contact damage.

Maximum drawbar pull.....563 kN (126,600 lb)

Maximum travel speed .....4.4 km/h (2.7 mph)

Track

Caterpillar designed and built, track-type undercarriage unique to excavators. Robot-welded, U-shaped track roller frames with hydraulic adjusters. Sealed and lubricated rollers and idlers. Sealed track with double-grouser shoes. Self-cleaning, apex shoes available.

	375	375 L
Number of shoes, each side	47	51
Number of track rollers, each side	8	9
Overall track length	5845 mm (19'2")	6360 mm (20'10")
Gauge (Extended)	3510 mm (11'6")	3510 mm (11'6")
Gauge (Retracted)*	2750 mm (9')	2750 mm (9')
Widths of available shoes		
Double grouser	610 mm (24")	610 mm (24")
	750 mm (30")	750 mm (30")
	900 mm (36")	900 mm (36")
Single grouser	610 mm (24")	
Ground clearance	890 mm (2'11")	890 mm (2'11")

*Retracted gauge for 900 mm (36") shoes is 2940 mm (9'8").

Swing Mechanism

Two fixed-displacement, axial-piston motors power swing mechanism. Triple-planetary, double-reduction gear sets drive pinion. Pinions are enclosed in grease bath to keep contaminants out and to extend service intervals. Releasing swing control cuts hydraulic power to swing motors and acts as a brake. Moving swing lever in opposite direction also will stop the swing. Automatic swing brake is spring applied and hydraulically released. Automatic, oil-disc brake applies four seconds after swing control is released. Shipping lock pins upperstructure to carbody to prevent rotation during transport.

Swing torque.....224 kN•m (165,800 lb-ft)
Swing speed .....5.7 RPM

Service Refill Capacities

	Liters	U.S. Gallons
Fuel Tank	990	(261.1)
Cooling System	95	(25.1)
Lubrication:		
Engine oil	65	(17.1)
Swing drives (each)	13.5	(3.6)
Final drives (each)	25	(6.6)
Hydraulic system (includes tank)	995	(262.9)
Hydraulic Tank	780	(206.1)

Major Component Weights

Upperstructure
(without counterweight and front linkage)
.....19 450 kg (42,800 lb)

Counterweight
.....11 790 kg (26,000 lb)

Undercarriage
Standard
(with 750 mm/30" shoes).....30 250 kg (66,600 lb)
Track Roller Frame (each).....11 600 kg (25,600 lb)
Long (with 900 mm/36" shoes) .....33 300 kg (73,400 lb)
Track Roller Frame (each).....13 100 kg (28,900 lb)

Boom (includes pins and lines, three cylinders)
Reach 8800 mm/28'10".....9410 kg (20,700 lb)
General Purpose 8400 mm/27'6" .....9300 kg (20,500 lb)
Mass excavation 7250 mm/23'10"....9620 kg (21,200 lb)

Stick
Stick nomenclature consists of three elements. The first element is a letter that indicates which boom the stick will fit. The second element is a number. It indicates the length in meters. The third element is a letter. It tells which family of buckets will fit the stick. For example, the R4.4H stick is a 4.4 meter stick which fits the reach boom and uses "H" family buckets.

(for Reach 8800 mm (28'10") Boom*)
R5.5H (18'1") .....3560 kg (7,800 lb)
R4.4H (14'5") .....3230 kg (7,100 lb)
(General Purpose 8400 mm (27'6") Boom*)
R5.5H (18'1") .....3560 kg (7,800 lb)
R4.4H (14'5") .....3230 kg (7,100 lb)
R3.4J (11'2").....2980 kg (6,600 lb)
R2.9J (9'7") .....2890 kg (6,400 lb)
(for Mass excavation 7250 mm (23'10") Boom*)
M4.1J (13'7").....3260 kg (7,200 lb)
M3.4J (11'2").....2970 kg (6,500 lb)
M2.9J (9'7").....2890 kg (6,400 lb)

*includes pins and lines.

SPECIFICATIONS

Configuration **Reach Excavator** (Reach boom) Shipping Weight:		**375***	**375 L****
Stick	R5.5H, with 2.8 m^3 (3.75 yd^3) T bucket	78 400 kg (172,700 lb)	81 470 kg (179,400 lb)
	R4.4H, with 3.8 m^3 (5.00 yd^3) T bucket	78 680 kg (173,300 lb)	81 750 kg (180,100 lb)
General Purpose (General Purpose boom) Shipping Weight:			
Stick	R5.5H, with 2.8 m^3 (3.75 yd^3) T bucket	78 290 kg (172,400 lb)	81 350 kg (179,200 lb)
	R4.4H, with 3.8 m^3 (5.00 yd^3) T bucket	78 570 kg (173,100 lb)	81 630 kg (179,800 lb)
	R3.4J, with 3.8 m^3 (5.00 yd^3) HD bucket	79 700 kg (175,500 lb)	82 760 kg (182,300 lb)
	R2.9J, with 4.4 m^3 (6.00 yd^3) HD bucket	80 160 kg (176,600 lb)	83 220 kg (183,300 lb)
Mass Excavator (Mass excavator boom) Shipping Weight:			
Stick	M4.1J, with 3.8 m^3 (5.00 yd^3) HD bucket	80 300 kg (176,900 lb)	83 370 kg (183,600 lb)
	M3.4J, with 4.4 m^3 (6.00 yd^3) HD bucket	80 560 kg (177,400 lb)	83 620 kg (184,200 lb)
	M2.9J, with 5.4 m^3 (7.00 yd^3) HD bucket	80 820 kg (178,000 lb)	83 900 kg (184,800 lb)

Note: Shipping weights include: lubricants, coolant, 10% fuel, bucket linkage, specified bucket and long tips.
For operating weight add 630 kg (1,390 lb).
* Weights shown are for machines equipped with 750 mm (30") shoes.
** Weights shown are for machines equipped with 900 mm (36") shoes.

See table below for weight differences for optional track shoes.

	Weight Difference	
Track	**375**	**375 L**
610 mm (24") single grouser	–870 kg (–1,900 lb)	NA
610 mm (24") double grouser	–970 kg (–2,100 lb)	–2190 kg (–4,800 lb)
750 mm (30") double grouser	Standard	–1060 kg (–2,300 lb)
900 mm (36") double grouser	+1040 kg (+2,300 lb)	Standard

Optional Equipment

Auxiliary boom lines:
- R-boom.
- M-boom.
- G.P. Boom.

Auxiliary stick lines:
- R5.5H.
- R4.4H.
- R2.9J.
- M4.1J.
- M2.9J.

Auxiliary hydraulic arrangement:
- one-way flow.
- one-/two-way flow.

Boom, Reach
Sticks:
- R5.5H 5500 mm (18'1").
- R4.4H 4400 mm (14'5").

Boom, General Purpose
Sticks:
- R5.5H 5500 mm (18'1").
- R4.4H 4400 mm (14'5").
- R3.4J 3400 mm (11'2").
- R2.9J 2925 mm (9'7").

Boom, Mass excavation.
Sticks:
- M4.1J 4100 mm (13'6").
- M3.4J 3400 mm (11'2").
- M2.9J 2925 mm (9'7").

Bucket linkage:
- H-family.
- J-family.

Buckets (see chart).
- Tips and sidecutters.

Check valves, boom lowering.
Cold weather starting kit.
Counterweight removal system.
Fast fill fuel system.
Fast fill oil system.

Guards:
- Falling object.
- Front cab.
- Full length, track guiding (two-piece).
- Sprocket end.

Heavy lift.
Lubrication system, on board.
Sun screen.

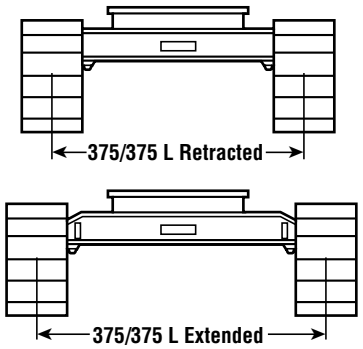
Track shoes:
- 610 mm (24") double grouser.
- 750 mm (30") double grouser.
- 900 mm (36") double grouser.
- 610 mm (24") single grouser. (375 only)

Undercarriage

Track Gauge

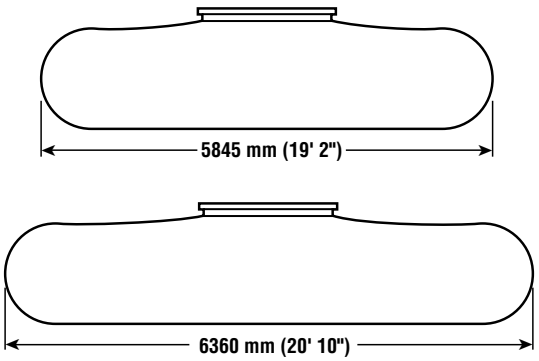
The 375 L has a 2750 mm (9')* track gauge, when retracted, to allow easier transport. The extended gauge is 3510 mm (11'6").

*2940 mm (9'8") with 900 mm (36") shoes.



Track Length

The 375 has a standard undercarriage length of 5845 mm (19'2") from end-to-end. It provides a stable work platform for many applications around the world and is well-suited to hard or rock underfoot conditions. The 375 L has an undercarriage length of 6360 mm (20'10") end-to-end which provides additional flotation in soft underfoot conditions.



SPECIFICATIONS

Bucket Options

375 L

	Capacity*		Width		Tip Radius		Weight w/o tips		Teeth	Reach Boom Stick		GP Boom Stick	
	m^3	yd^3	mm	in	mm	in	kg	lb	Qty	R5.5H	R4.4H	R5.5H	R4.4H
H Buckets													
Trenching	2.4	3.25	1380	54	2290	90.2	2120	4,670	4	●	●	●	●
	2.8	3.75	1535	60	2290	90.2	2300	5,070	5	●	●	●	●
	3.8	5.00	1990	78	2290	90.2	2880	6,340	6	∴	◒	○	◒
Rock Ripping	1.5	2.00	1190	47	2137	84.1	2840	6,260	6	●	●	●	●

	Capacity*		Width		Tip Radius		Weight w/o tips		Teeth	GP Boom Stick		Mass Boom Stick		
	m^3	yd^3	mm	in	mm	in	kg	lb	Qty	R3.4J	R2.9J	M4.1J	M3.4J	M2.9J
J Buckets														
Heavy Duty	4.4	6.00	2390	94	2234	88.0	4450	9,800	7	∴	○	○	●	●
	5.4	7.00	2390	94	2350	92.5	4800	10,570	7	∴	∴	∴	○	◒
V-Edge Mass Exc	4.0	5.25	2260	89	—	—	4130	9,100	6	○	◒	◒	●	●

375

	Capacity*		Width		Tip Radius		Weight w/o tips		Teeth	Reach Boom Stick		GP Boom Stick	
	m^3	yd^3	mm	in	mm	in	kg	lb	Qty	R5.5H	R4.4H	R5.5H	R4.4H
H Buckets													
Trenching	2.4	3.25	1380	54	2290	90.2	2120	4,670	4	●	●	●	●
	2.8	3.75	1535	60	2290	90.2	2300	5,070	5	◒	●	●	●
	3.8	5.00	1990	78	2290	90.2	2880	6,340	6	∴	○	○	◒
Rock Ripping	1.5	2.00	1190	47	2137	84.1	2840	6,260	6	●	●	●	●

	Capacity*		Width		Tip Radius		Weight w/o tips		Teeth	GP Boom Stick		Mass Boom Stick		
	m^3	yd^3	mm	in	mm	in	kg	lb	Qty	R3.4J	R2.9J	M4.1J	M3.4J	M2.9J
J Buckets														
Heavy Duty	4.4	6.00	2390	94	2234	88.0	4450	9,800	7	∴	○	○	◒	●
	5.4	7.00	2390	94	2350	92.5	4800	10,570	7	∴	∴	∴	○	◒
V-Edge Mass Exc	4.0	5.25	2260	89	—	—	4130	9,100	6	○	◒	◒	●	●

*Capacities based on SAE J296. Some calculations of capacity fall on borderlines.
Rounding may allow two buckets to have the same English rating but different metric ratings.

Assumptions for maximum material density rating:
1. Front linkage fully extended at ground line
2. Bucket curled
3. 100% bucket fill factor

● 2100 kg/m^3 (3,500 lbs/yd^3) max material density
◒ 1800 kg/m^3 (3,000 lbs/yd^3) max material density
○ 1500 kg/m^3 (2,500 lbs/yd^3) max material density
∴ 1200 kg/m^3 (2,000 lbs/yd^3) max material density

ARRANGEMENTS

375/375 L Reach Excavator

The Caterpillar 375/375 L Reach Excavator is designed to allow flexibility to tailor the digging envelope and lifting capacities where reach and depth are primary considerations.

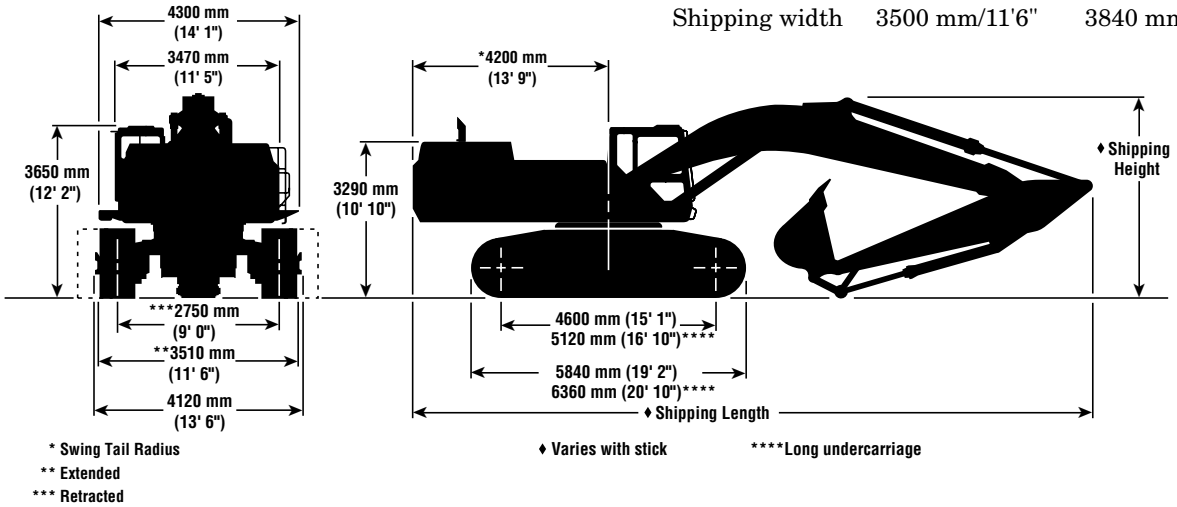
- Reach boom, measuring 8800 mm (28'10"), maximizes digging depth and reach.
- Choice of two sticks allows reach boom to meet machine's potential in a wide range of applications.
  - R5.5H stick, 5500 mm (18'1") long, maximizes the working envelope of the machine and uses "H" family buckets.
  - R4.4H stick, at 4400 mm (14'5") provides improved lifting capacity and allows use of larger "H" family buckets with higher material densities while still providing good reach and digging depth.

Dimensions (approximate)

Stick	R5.5H 5500 mm (18'1")	R4.4H 4400 mm (14'5")
Shipping height *	5310 mm (17'5")	4690 mm (15'5")
Shipping length	14 650 mm (48'1")	14 710 mm (48'3")

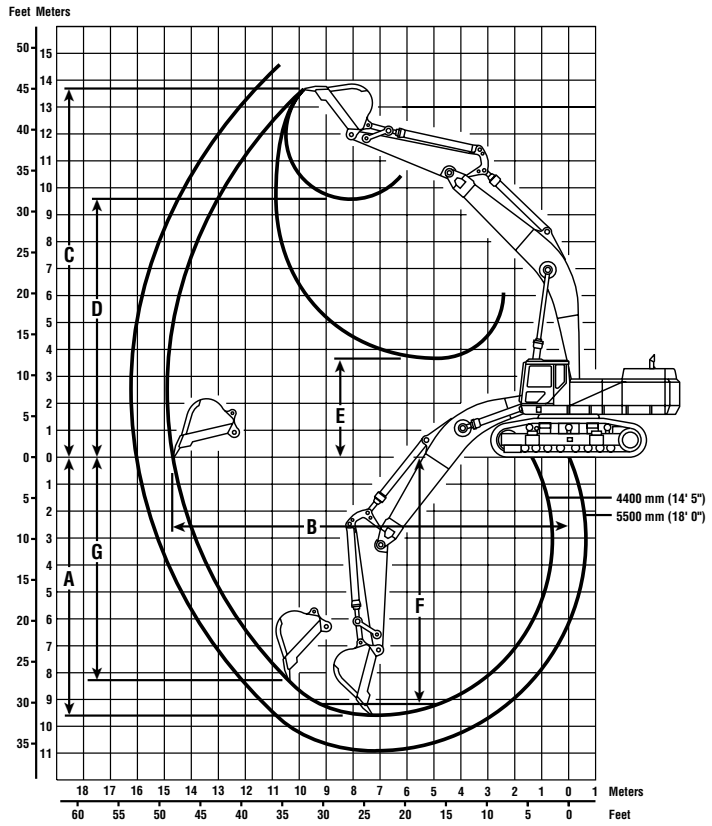
* Shipping height with stick removed is approximately (12'2")

Shoe width	750 mm/30"	900 mm/36"
Shipping width	3500 mm/11'6"	3840 mm/12'7"



* Swing Tail Radius
** Extended
*** Retracted
♦ Varies with stick
****Long undercarriage

375 Reach Excavator Working Ranges



Stick	R5.5H 5500 mm (18'1")	R4.4H 4400 mm (14'5")
Bucket	**2.8 m³ (3.75 yd³)**	**3.8 m³ (5.00 yd³)**
A Maximum digging depth	10 840 mm (35'7")	9740 mm (32'0")
B Maximum reach at ground level	15 960 mm (52'4")	14 780 mm (48'6")
C Maximum cutting height	14 500 mm (47'7")	13 610 mm (44'8")
D Maximum loading height	10 350 mm (33'11")	9550 mm (31'4")
E Minimum loading height	2460 mm (8'1")	3560 mm (11'8")
F Maximum digging depth at 2440 mm (8') level bottom	10 750 mm (35'3")	9630 mm (31'7")
G Maximum vertical wall digging depth	9390 mm (30'10")	7790 mm (25'7")
Bucket forces	282 kN (63,400 lb)	281 kN (63,200 lb)
Stick forces	207 kN (46,400 lb)	247 kN (55,500 lb)

ARRANGEMENTS

375/375 L General Purpose Excavator

The Caterpillar General Purpose Excavator is designed to allow flexibility to tailor the digging envelope and lift capacities where reach and depth are not primary considerations.

■ General Purpose boom, measuring 8400 mm (27'6") used where a balance between digging envelope and force levels/bucket capacity are required. Most common in general construction applications.

■ Choice of Four sticks allows general purpose boom to meet machine's potential in a wide range of applications.

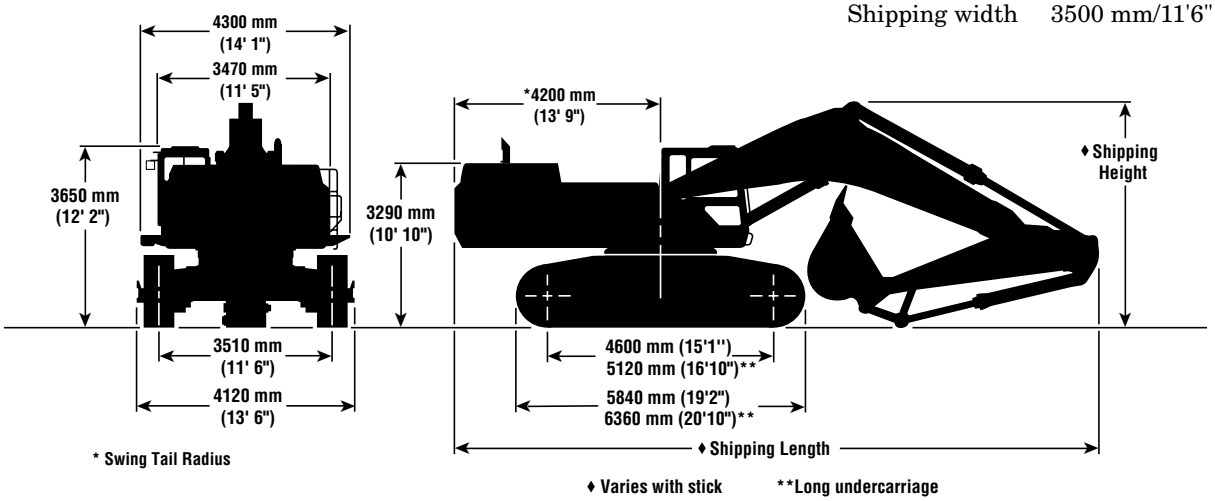
- R5.5H stick, 5500 mm (18'1") long, maximizes working envelope and uses "H" family buckets.
- R4.4H stick, at 4400 mm (14'5") also uses "H" family buckets, with larger bucket capacities.
- R3.4J stick, 3400 mm (11'2") offers a good mix of reach, depth, bucket capacity, forces and lifting capacity. Uses "J" family buckets.
- R2.9J stick, 2925 mm (9'7") maximizes forces and lift capacity where reach and depth are of less importance. Also uses "J" family buckets.

Dimensions (approximate)

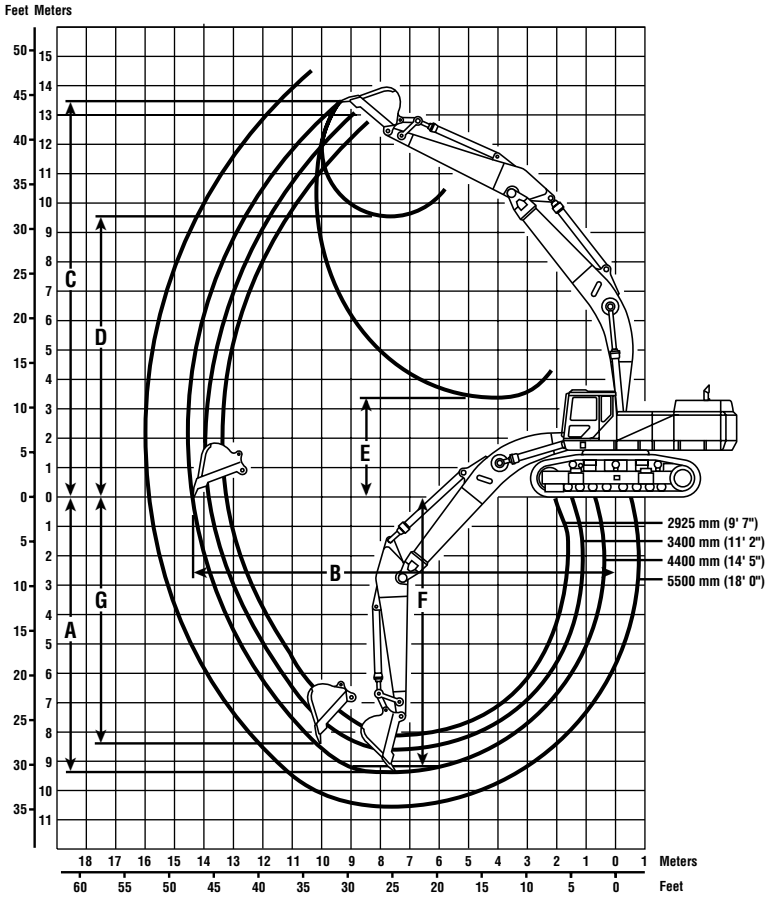
Stick	R5.5H 5500 mm (18'1")	R4.4H 4400 mm (14'5")	R3.4J 3400 mm (11'2")	R2.9J 2925 mm (9'7")
Shipping height *	5920 mm (19'5")	5240 mm (17'2")	5010 mm (16'5")	4720 mm (15'6")
Shipping length	14 080 mm (46'2")	14 290 mm (46'11")	14 300 mm (46'11")	14 330 mm (47'0")

* Shipping height with stick removed is approximately 3650 mm (12'2")

Shoe width	750 mm/30"	900 mm/36"
Shipping width	3500 mm/11'6"	3840 mm/12'7"



375 General Purpose Excavator Working Ranges



Stick	R5.5H 5500 mm (18'1")	R4.4H 4400 mm (14'5")	R3.4J 3400 mm (11'2")	R2.9J 2925 mm (9'7")
Bucket	**2.8 m³ (3.75 yd³)**	**3.8 m³ (5.00 yd³)**	**3.8 m³ (5.00 yd³)**	**3.8 m³ (5.00 yd³)**
A Maximum digging depth	10 580 mm (34'9")	9480 mm (31'1")	8500 mm (27'11")	8030 mm (26'4")
B Maximum reach at ground level	15 680 mm (51'5")	14 480 mm (47'6")	13 690 mm (44'11")	13 260 mm (43'6")
C Maximum cutting height	14 530 mm (47'8")	13 570 mm (44'6")	13 480 mm (44'3")	13 320 mm (43'8")
D Maximum loading height	10 310 mm (33'10")	9440 mm (31'0")	9270 mm (30'5")	9090 mm (29'10")
E Minimum loading height	2120 mm (7'0")	3220 mm (10'7")	4200 mm (13'10")	4670 mm (15'4")
F Maximum digging depth at 2440 mm (8') level bottom	10 480 mm (34'5")	9370 mm (30'9")	8370 mm (27'6")	7880 mm (25'10")
G Maximum vertical wall digging depth	9310 mm (30'7")	7950 mm (26'1")	7380 mm (24'3")	6940 mm (22'9")
Bucket forces	282 kN (63,400 lb)	281 kN (63,200 lb)	371 kN (83,400 lb)	370 kN (83,200 lb)
Stick forces	207 kN (46,400 lb)	247 kN (55,500 lb)	291 kN (65,300 lb)	313 kN (70,300 lb)

ARRANGEMENTS

375/375 L Mass Excavator

The Cat 375 Mass Excavator is designed to move material faster and more efficiently in production excavation and loading applications than general purpose excavators.

■ Mass excavation boom, measuring 7250 mm (23'10"), is designed to operate with significantly higher bucket sizes and digging forces.
- Boom is shorter…keeps working area closer to the machine.
- Thicker, heavier steel plates are used in the box-section… steel forgings are used in high-stress areas at boom foot, boom nose and boom cylinder mounts.
- Shorter boom and heavier construction allow maximum stick and bucket forces and large bucket sizes.

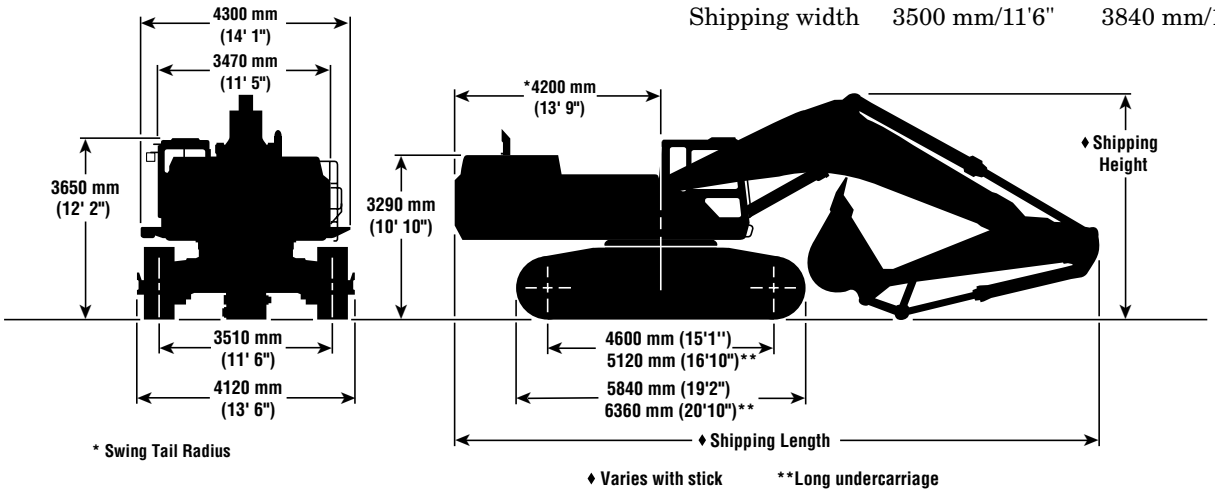
■ Choice of three sticks allows the mass excavation boom to perform exceptionally well in both general and mass excavation applications.
- M4.1J stick, at 4100 mm (13'6") long, balances reach and digging depth with bucket capacities and digging forces. It is ideal for general excavation work with mass excavation boom…uses "J" family buckets.
- M3.4J stick, measuring 3400 mm (11'2") long, is designed primarily for mass earthmoving with larger buckets than the M4.1J stick. Its working envelope is large enough to perform general excavation applications…also uses "J" family buckets.
- M2.9J stick, at 2925 mm (9'7") long, provides highest productivity in mass excavation applications. It delivers highest stick forces and works with the largest buckets in the 375 Excavator line. Equipped with the M2.9J stick, the 375 Mass Excavator can effectively compete with 90 to 100-ton machines…also uses "J" family buckets.

Shipping Dimensions (approximate)

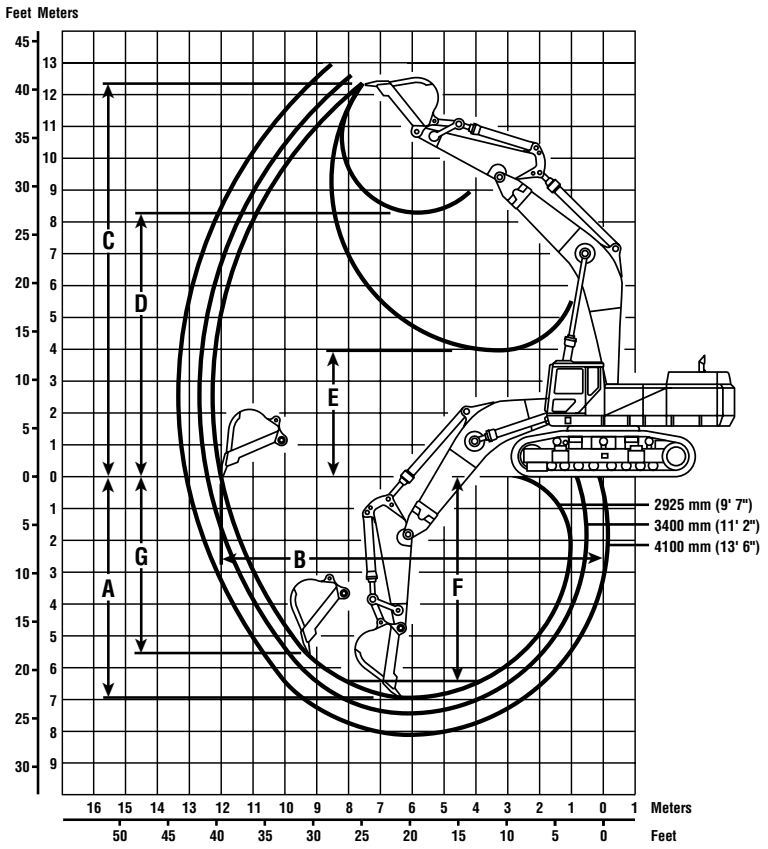
Stick	M4.1J 4100 mm (13'6")	M3.4J 3400 mm (11'2")	M2.9J (375) 2925 mm (9'7")	M2.9J (375 L) 2925 mm (9'7")
Shipping height *	5050 mm (16'7")	4890 mm (16'5")	4740 mm (15'7")	5110 mm (16'9")
Shipping length	13 160 mm (43'2")	13 140 mm (43'1")	13 080 mm (42'11")	13 210 mm (48'1")

* Shipping height with stick removed is approximately (12'2")

Shoe width	750 mm/30"	900 mm/36"
Shipping width	3500 mm/11'6"	3840 mm/12'7"



Mass Excavator Working Ranges



Stick	M4.1J 4100 mm (13'6")	M3.4J 3400 mm (11'2")	M2.9J 2925 mm (9'7")
Bucket	**3.8 m³ (5.00 yd³)**	**4.4 m³ (6.00 yd³)**	**4.4 m³ (6.00 yd³)**
A Maximum digging depth	8110 mm (26'7")	7410 mm (24'4")	6940 mm (22'9")
B Maximum reach at ground level	13 080 mm (42'11")	12 420 mm (40'9")	12 000 mm (39'4")
C Maximum cutting height	12 950 mm (42'6")	12 610 mm (41'5")	12 450 mm (40'10")
D Maximum loading height	8760 mm (28'9")	8430 mm (27'8")	8260 mm (27'1")
E Minimum loading height	2730 mm (9'0")	3430 mm (11'3")	3910 mm (12'10")
F Maximum digging depth at 2440 mm (8') level bottom	7590 mm (24'8")	6890 mm (22'7")	6410 mm (21')
G Maximum vertical wall digging depth	6830 mm (22'5")	6150 mm (20'2")	5780 mm (18'11")
Bucket forces	372 kN (83,500 lb)	371 kN (83,400 lb)	370 kN (83,200 lb)
Stick forces	258 kN (58,000 lb)	291 kN (65,300 lb)	313 kN (70,300 lb)

Lift Capacities

Load Point Height

Load at Maximum Reach

Load Radius Over Front

Load Radius Over Side

375 L EXCAVATOR
BOOM — Reach 8800 mm/**28'10"**
STICK — R5.5H 5500 mm/**18'1"**
BUCKET — 2.4 m³/**3.25 yd³** Trenching Bucket
SHOE — 900 mm/**36"** Double Grouser
HEAVY LIFT — On
UNDERCARRIAGE — Long

		3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft		7.5 m/25.0 ft		9.0 m/30.0 ft		10.5 m/35.0 ft		12.0 m/40.0 ft		13.5 m/45.0 ft				
																				m¤ ft
10.5 m **35.0 ft**	kg **lb**																	*4650 ***10,250**	*4650 ***10,250**	13.73 **44.69**
9.0 m **30.0 ft**	kg **lb**													*9000 ***18,750**	*9000 ***18,750**			*4500 ***9950**	*4500 ***9950**	14.53 **47.44**
7.5 m **25.0 ft**	kg **lb**											*11 100 ***24,150**	*11 100 ***24,150**	*10 400 ***21,950**	10 100 ***21,550**			*4500 ***9900**	*4500 ***9900**	15.10 **49.40**
6.0 m **20.0 ft**	kg **lb**									*13 150 ***28,500**	*13 150 ***28,500**	*11 900 ***25,800**	*11 900 ***25,800**	*10 950 ***23,800**	9850 **21,050**	*8350 ***16,450**	7750 ***16,450**	*4550 ***10,000**	*4550 ***10,000**	15.47 **50.70**
4.5 m **15.0 ft**	kg **lb**					*21 650 ***47,700**	*21 650 ***47,700**	*17 300 ***37,300**	*17 300 ***37,300**	*14 600 ***31,600**	*14 600 ***31,600**	*12 800 ***27,750**	12 250 **26,250**	*11 500 ***25,000**	9550 **20,450**	*9750 ***19,350**	7550 **16,050**	*4700 ***10,300**	*4700 ***10,300**	15.67 **51.38**
3.0 m **10.0 ft**	kg **lb**					*25 500 ***54,900**	*25 500 ***54,900**	*19 600 ***42,300**	*19 600 ***42,300**	*16 100 ***34,750**	15 200 **32,650**	*13 750 ***29,800**	11 750 **25,200**	*12 100 ***26,250**	9250 **19,800**	*10 850 ***21,950**	7350 **15,700**	*4950 ***10,850**	*4950 ***10,850**	15.69 **51.48**
1.5 m **5.0 ft**	kg **lb**			*9950 ***23,550**	*9950 ***23,550**	*28 350 ***61,150**	27 000 **58,050**	*21 500 ***46,400**	19 200 **41,300**	*17 350 ***37,500**	14 450 **31,100**	*14 600 ***31,550**	11 250 **24,200**	*12 600 ***27,300**	8950 **19,150**	*11 100 ***23,350**	7200 **15,300**	*5250 ***11,550**	*5250 ***11,550**	15.54 **51.00**
Ground Line	kg **lb**			*11 300 ***26,100**	*11 300 ***26,100**	*29 550 ***64,400**	25 800 **55,450**	*22 700 ***49,100**	18 350 **39,450**	*18 250 ***39,400**	13 900 **29,850**	*15 200 ***32,800**	10 850 **23,300**	*12 950 ***28,000**	8700 **18,600**	*11 150 ***22,400**	7000 **15,000**	*5700 ***12,600**	*5700 ***12,600**	15.22 **49.92**
-1.5 m **-5.0 ft**	kg **lb**	*8350 ***18,850**	*8350 ***18,850**	*14 900 ***34,050**	*14 900 ***34,050**	*29 950 ***64,850**	25 150 **54,050**	*23 150 ***50,100**	17 800 **38,250**	*18 600 ***40,250**	13 450 **28,950**	*15 400 ***33,300**	10 600 **22,700**	*13 000 ***28,000**	8500 **18,200**	*9800 ***21,600**	6950 **15,250**	*6350 ***14,000**	6100 **13,450**	14.71 **48.21**
-3.0 m **-10.0 ft**	kg **lb**	*13 200 ***29,750**	*13 200 ***29,750**	*19 900 ***45,250**	*19 900 ***45,250**	*29 100 ***63,000**	24 900 **53,500**	*22 800 ***49,300**	17 550 **37,650**	*18 400 ***39,750**	13 250 **28,450**	*15 200 ***32,700**	10 400 **22,350**	*12 550 ***26,900**	8400 **18,000**			*7250 ***16,000**	6700 **14,750**	13.98 **45.79**
-4.5 m **-15.0 ft**	kg **lb**	*18 700 ***42,200**	*18 700 ***42,200**	*26 300 ***59,900**	*26 300 ***59,900**	*27 250 ***58,850**	25 000 **53,650**	*21 650 ***46,650**	17 500 **37,600**	*17 500 ***37,700**	13 200 **28,350**	*14 250 ***30,550**	10 400 **22,300**	*11 300 ***23,700**	8450 **18,150**			*8550 ***18,950**	7650 **16,950**	13.01 **42.51**
-6.0 m **-20.0 ft**	kg **lb**	*25 350 ***57,350**	*25 350 ***57,350**	*30 850 ***66,450**	*30 850 ***66,450**	*24 250 ***52,100**	*24 250 ***52,100**	*19 400 ***41,650**	17 650 **38,000**	*15 650 ***33,350**	13 300 **28,650**	*12 300 ***25,750**	10 550 **22,700**					*8300 ***18,100**	*8300 ***18,100**	11.72 **38.12**
-7.5 m **-25.0 ft**	kg **lb**			*24 600 ***52,300**	*24 600 ***52,300**	*19 700 ***41,850**	*19 700 ***41,850**	*15 750 ***33,200**	*15 750 ***33,200**	*12 150 ***25,050**	*12 150 ***25,050**							*6650 ***14,350**	*6650 ***14,350**	9.97 **32.32**

375 L EXCAVATOR
BOOM — Reach 8800 mm/**28'10"**
STICK — R5.5H 5500 mm/**18'1"**
BUCKET — 2.4 m³/**3.25 yd³** Trenching Bucket
SHOE — 900 mm/**36"** Double Grouser
HEAVY LIFT — Off
UNDERCARRIAGE — Long

		3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft		7.5 m/25.0 ft		9.0 m/30.0 ft		10.5 m/35.0 ft		12.0 m/40.0 ft		13.5 m/45.0 ft				
																				m¤ ft
10.5 m **35.0 ft**	kg **lb**																	*4200 ***9250**	*4200 ***9250**	13.73 **44.69**
9.0 m **30.0 ft**	kg **lb**													*8250 ***17,200**	*8250 ***17,200**			*4050 ***8950**	*4050 ***8950**	14.53 **47.44**
7.5 m **25.0 ft**	kg **lb**											*10 100 ***22,000**	*10 100 ***22,000**	*9500 ***20,250**	*9500 ***20,250**			*4050 ***8900**	*4050 ***8900**	15.10 **49.40**
6.0 m **20.0 ft**	kg **lb**									*12 050 ***26,100**	*12 050 ***26,100**	*10 850 ***23,500**	*10 850 ***23,500**	*9950 ***21,650**	9850 **21,050**	*7650 ***15,050**	*7650 ***15,050**	*4100 ***9000**	*4100 ***9000**	15.47 **50.70**
4.5 m **15.0 ft**	kg **lb**					*20 000 ***44,000**	*20 000 ***44,000**	*15 900 ***34,250**	*15 900 ***34,250**	*13 400 ***28,950**	*13 400 ***28,950**	*11 700 ***25,300**	*11 700 ***25,300**	*10 450 ***22,700**	9550 **20,450**	*9000 ***17,750**	7550 **16,050**	*4250 ***9300**	*4250 ***9300**	15.67 **51.38**
3.0 m **10.0 ft**	kg **lb**					*23 500 ***50,550**	*23 500 ***50,550**	*18 000 ***38,800**	*18 000 ***38,800**	*14 700 ***31,800**	*14 700 ***31,800**	*12 550 ***27,150**	11 750 **25,200**	*11 000 ***23,850**	9250 **19,800**	*9850 ***20,250**	7350 **15,700**	*4450 ***9800**	*4450 ***9800**	15.69 **51.48**
1.5 m **5.0 ft**	kg **lb**			*9150 ***21,650**	*9150 ***21,650**	*26 100 ***56,250**	*26 100 ***56,250**	*19 750 ***42,600**	19 200 **41,300**	*15 850 ***34,300**	14 450 **31,100**	*13 300 ***28,750**	11 250 **24,200**	*11 450 ***24,800**	8950 **19,150**	*10 050 ***21,550**	7200 **15,300**	*4750 ***10,500**	*4750 ***10,500**	15.54 **51.00**
Ground Line	kg **lb**			*10 450 ***24,100**	*10 450 ***24,100**	*27 400 ***59,200**	25 800 **55,450**	*20 850 ***45,000**	18 350 **39,450**	*16 700 ***36,050**	13 900 **29,850**	*13 850 ***29,900**	10 850 **23,300**	*11 750 ***25,400**	8700 **18,600**	*10 100 ***20,650**	7000 **15,000**	*5200 ***11,450**	*5200 ***11,450**	15.22 **49.92**
-1.5 m **-5.0 ft**	kg **lb**	*7650 ***17,300**	*7650 ***17,300**	*13 850 ***31,550**	*13 850 ***31,550**	*27 550 ***59,600**	25 150 **54,050**	*21 250 ***45,900**	17 800 **38,250**	*17 000 ***36,800**	13 450 **28,950**	*14 050 ***30,350**	10 600 **22,700**	*11 800 **25,400**	8500 **18,200**	*9050 ***19,900**	6950 **15,250**	*5800 ***12,800**	*5800 ***12,800**	14.71 **48.21**
-3.0 m **-10.0 ft**	kg **lb**	*12 200 ***27,550**	*12 200 ***27,550**	*18 500 ***42,100**	*18 500 ***42,100**	*26 700 ***57,800**	24 900 **53,500**	*20 900 ***45,150**	17 550 **37,650**	*16 800 ***36,300**	13 250 **28,450**	*13 800 ***29,750**	10 400 **22,350**	*11 400 ***24,350**	8400 **18,000**			*6650 ***14,650**	*6650 ***14,650**	13.98 **45.79**
-4.5 m **-15.0 ft**	kg **lb**	*17 400 ***39,250**	*17 400 ***39,250**	*24 550 ***55,900**	*24 550 ***55,900**	*24 950 ***53,900**	*24 950 **53,650**	*19 750 ***42,650**	17 500 **37,600**	*15 950 ***34,350**	13 200 **28,350**	*12 950 ***27,750**	10 400 **22,300**	*10 200 ***21,350**	8450 **18,150**			*7850 ***17,450**	7650 **16,950**	13.01 **42.51**
-6.0 m **-20.0 ft**	kg **lb**	*23 650 ***53,500**	*23 650 ***53,500**	*28 250 ***60,750**	*28 250 ***60,750**	*22 150 ***47,600**	*22 150 ***47,600**	*17 700 ***37,950**	17 650 ***37,950**	*14 200 ***30,250**	13 300 **28,650**	*11 100 ***23,250**	10 550 **22,700**					*7400 ***16,100**	*7400 ***16,100**	11.72 **38.12**
-7.5 m **-25.0 ft**	kg **lb**			*22 400 ***47,550**	*22 400 ***47,550**	*17 900 ***38,000**	*17 900 ***38,000**	*14 300 ***30,050**	*14 300 ***30,050**	*10 950 ***22,500**	*10 950 ***22,500**							*5850 ***12,600**	*5850 ***12,600**	9.97 **32.32**

*Limited by hydraulic capacity rather than tipping load. The above loads are in compliance with SAE hydraulic excavator lift capacity rating standard J1097. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity. Weight of all lifting accessories must be deducted from the above lifting capacities.

Lift Capacities

Load Point Height

Load at Maximum Reach

Load Radius Over Front

Load Radius Over Side

375 L EXCAVATOR
BOOM — Reach 8800 mm/**28'10"**
STICK — R4.4H 4400 mm/**14'5"**
BUCKET — 2.8 m³/**3.75 yd³** Trenching Bucket
SHOE — 900 mm/**36"** Double Grouser
HEAVY LIFT — On
UNDERCARRIAGE — Long

		3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft		7.5 m/25.0 ft		9.0 m/30.0 ft		10.5 m/35.0 ft		12.0 m/40.0 ft				
																		m¤ ft
10.5 m **35.0 ft**	kg **lb**											*10 250 ***22,550**	*10 250 ***22,550**			*6700 ***14,800**	*6700 ***14,800**	12.25 **39.80**
9.0 m **30.0 ft**	kg **lb**											*11 700 ***25,500**	*11 700 ***25,500**			*6600 ***14,500**	*6600 ***14,500**	13.15 **42.90**
7.5 m **25.0 ft**	kg **lb**									*13 300 ***28,850**	*13 300 ***28,850**	*12 150 ***26,500**	*12 150 ***26,500**	*10 700 ***23,550**	9600 **21,150**	*6600 ***14,500**	*6600 ***14,500**	13.78 **45.08**
6.0 m **20.0 ft**	kg **lb**							*16 850 ***36,300**	*16 850 ***36,300**	*14 450 ***31,250**	*14 450 ***31,250**	*12 850 ***27,850**	12 150 **26,050**	*11 700 ***25,500**	9400 **20,000**	*6750 ***14,850**	*6750 ***14,850**	14.19 **46.50**
4.5 m **15.0 ft**	kg **lb**					*24 450 ***52,450**	*24 450 ***52,450**	*19 000 ***40,900**	*19 000 ***40,900**	*15 750 ***34,050**	15 300 **32,850**	*13 650 ***29,500**	11 750 **25,150**	*12 150 ***26,350**	9150 **19,550**	*7000 ***15,400**	6550 **14,450**	14.40 **47.23**
3.0 m **10.0 ft**	kg **lb**					*27 650 ***59,550**	27 200 **58,650**	*20 950 ***45,200**	19 400 **41,750**	*17 000 ***36,700**	14 550 **31,350**	*14 400 ***31,150**	11 300 **24,250**	*12 550 ***27,200**	8900 **19,000**	*7400 ***16,300**	6400 **14,050**	14.43 **47.33**
1.5 m **5.0 ft**	kg **lb**					*28 150 ***63,600**	25 750 **55,400**	*22 350 ***48,250**	18 450 **39,650**	*17 950 ***38,800**	13 950 **30,000**	*15 000 ***32,450**	10 900 **23,350**	*12 850 ***27,800**	8650 **18,500**	*8000 ***17,550**	6400 **14,100**	14.26 **46.80**
Ground Line	kg **lb**			*10 450 ***24,250**	*10 450 ***24,250**	*27 750 ***64,500**	25 000 **53,700**	*23 000 ***49,700**	17 800 **38,250**	*18 450 ***39,900**	13 500 **28,950**	*15 300 ***33,100**	10 550 **22,700**	*12 950 ***27,850**	8450 **18,100**	*8750 ***19,300**	6650 **14,600**	13.90 **45.61**
-1.5 m **-5.0 ft**	kg **lb**	*9750 ***21,950**	*9750 ***21,950**	*16 650 ***37,950**	*16 650 ***37,950**	*29 000 ***62,900**	24 700 **53,050**	*22 800 ***49,350**	17 450 **37,500**	*18 450 ***39,800**	13 200 **28,350**	*15 200 ***32,800**	10 350 **22,250**	*12 550 ***26,900**	8350 **17,900**	*9850 ***21,750**	7100 **15,650**	13.34 **43.72**
-3.0 m **-10.0 ft**	kg **lb**	*16 750 ***37,700**	*16 750 ***37,700**	*24 000 ***54,550**	*24 000 ***54,550**	*27 350 ***59,200**	24 750 **53,150**	*21 850 ***47,200**	17 350 **37,300**	*17 750 ***38,200**	13 100 **28,150**	*14 450 ***31,050**	10 300 **22,150**			*10 150 ***22,300**	7950 **17,600**	12.53 **41.00**
-4.5 m **-15.0 ft**	kg **lb**	*24 300 ***54,800**	*24 300 ***54,800**	*30 600 ***66,300**	*30 600 ***66,300**	*24 650 ***53,250**	*24 650 ***53,250**	*19 950 ***42,950**	17 500 **37,600**	*16 150 ***34,600**	13 200 **28,350**	*12 750 ***26,900**	10 450 **22,450**			*9600 ***21,000**	9400 **20,950**	11.42 **37.26**
-6.0 m **-20.0 ft**	kg **lb**			*25 200 ***54,100**	*25 200 ***54,100**	*20 700 ***44,300**	*20 700 ***44,300**	*16 800 ***35,750**	*16 800 ***35,750**	*13 150 ***27,600**	*13 150 ***27,600**					*7850 ***17,250**	*7850 ***17,250**	9.90 **32.10**
-7.5 m **-25.0 ft**	kg **lb**					*14 650 ***30,550**	*14 650 ***30,550**	*11 350 ***22,950**	*11 350 ***22,950**							*9850 ***21,250**	*9850 ***21,250**	8.06 **25.91**

375 L EXCAVATOR
BOOM — Reach 8800 mm/**28'10"**
STICK — R4.4H 4400 mm/**14'5"**
BUCKET — 2.8 m³/**3.75 yd³** Trenching Bucket
SHOE — 900 mm/**36"** Double Grouser
HEAVY LIFT — Off
UNDERCARRIAGE — Long

		3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft		7.5 m/25.0 ft		9.0 m/30.0 ft		10.5 m/35.0 ft		12.0 m/40.0 ft				
																		m¤ ft
10.5 m **35.0 ft**	kg **lb**											*9450 ***20,800**	*9450 ***20,800**			*6150 ***13,550**	*6150 ***13,550**	12.25 **39.80**
9.0 m **30.0 ft**	kg **lb**											*10 650 ***23,200**	*10 650 ***23,200**			*6000 ***13,250**	*6000 ***13,250**	13.15 **42.90**
7.5 m **25.0 ft**	kg **lb**									*12 150 ***26,400**	*12 150 ***26,400**	*11 100 ***24,150**	*11 100 ***24,150**	*9850 ***21,750**	9600 **21,150**	*6050 ***13,250**	*6050 ***13,250**	13.78 **45.08**
6.0 m **20.0 ft**	kg **lb**							*15 500 ***33,350**	*15 500 ***33,350**	*13 250 ***28,600**	*13 250 ***28,600**	*11 700 ***25,400**	*11 700 ***25,400**	*10 650 ***23,150**	9400 **20,000**	*6150 ***13,550**	*6150 ***13,550**	14.19 **46.50**
4.5 m **15.0 ft**	kg **lb**					*22 500 ***48,350**	*22 500 ***48,350**	*17 450 ***37,550**	*17 450 ***37,550**	*14 400 ***31,150**	*14 400 ***31,150**	*12 450 ***26,900**	11 750 **25,150**	*11 050 ***23,900**	9150 **19,550**	*6400 ***14,100**	*6400 ***14,100**	14.40 **47.23**
3.0 m **10.0 ft**	kg **lb**					*25 450 ***54,750**	*25 450 ***54,750**	*19 200 ***41,450**	*19 200 ***41,450**	*15 550 ***33,550**	14 550 **31,350**	*13 150 ***28,400**	11 300 **24,250**	*11 400 ***24,700**	8900 **19,000**	*6800 ***14,950**	6400 **14,050**	14.43 **47.33**
1.5 m **5.0 ft**	kg **lb**					*26 250 ***58,450**	25 750 **55,400**	*20 500 ***44,250**	18 450 **39,650**	*16 400 ***35,450**	13 950 **30,000**	*13 700 ***29,550**	10 900 **23,350**	*11 700 ***25,250**	8650 **18,500**	*7350 ***16,100**	6400 **14,100**	14.26 **46.80**
Ground Line	kg **lb**			*9650 ***22,350**	*9650 ***22,350**	*25 900 ***59,200**	25 000 **53,700**	*21 050 ***45,500**	17 800 **38,250**	*16 900 ***36,450**	13 500 **28,950**	*13 950 ***30,150**	10 550 **22,700**	*11 750 ***25,250**	8450 **18,100**	*8050 ***17,750**	6650 **14,600**	13.90 **45.61**
-1.5 m **-5.0 ft**	kg **lb**	*8950 ***20,250**	*8950 ***20,250**	*15 450 ***35,300**	*15 450 ***35,300**	*26 600 ***57,650**	24 700 **53,050**	*20 900 ***45,150**	17 450 **37,500**	*16 850 ***36,350**	13 200 **28,350**	*13 850 ***29,800**	10 350 **22,250**	*11 400 ***24,350**	8350 **17,900**	*9100 ***20,050**	7100 **15,650**	13.34 **43.72**
-3.0 m **-10.0 ft**	kg **lb**	*15 550 ***35,000**	*15 550 ***35,000**	*22 350 ***50,900**	*22 350 ***50,900**	*25 050 ***54,200**	24 750 **53,150**	*19 950 ***43,150**	17 350 **37,300**	*16 150 ***34,850**	13 100 **28,150**	*13 150 ***28,200**	10 300 **22,150**			*9150 ***20,050**	7950 **17,600**	12.53 **41.00**
-4.5 m **-15.0 ft**	kg **lb**	*22 650 ***51,100**	*22 650 ***51,100**	*28 000 ***60,600**	*28 000 ***60,600**	*22 550 ***48,650**	*22 550 ***48,650**	*18 200 ***39,150**	17 500 **37,600**	*14 700 ***31,450**	13 200 **28,350**	*11 550 ***24,300**	10 450 **22,450**			*8600 ***18,800**	*8600 ***18,800**	11.42 **37.26**
-6.0 m **-20.0 ft**	kg **lb**			*22 900 ***49,200**	*22 900 ***49,200**	*18 800 ***40,300**	*18 800 ***40,300**	*15 250 ***32,450**	*15 250 ***32,450**	*11 900 ***24,900**	*11 900 ***24,900**					*7250 ***15,700**	*7250 ***15,700**	9.90 **32.10**
-7.5 m **-25.0 ft**	kg **lb**					*13 200 ***27,400**	*13 200 ***27,400**	*10 150 ***20,450**	*10 150 ***20,450**							*8750 ***18,900**	*8750 ***18,900**	8.06 **25.91**

*Limited by hydraulic capacity rather than tipping load. The above loads are in compliance with SAE hydraulic excavator lift capacity rating standard J1097. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity. Weight of all lifting accessories must be deducted from the above lifting capacities.

Lift Capacities

Load Point Height

Load at Maximum Reach

Load Radius Over Front

Load Radius Over Side

375 L EXCAVATOR
BOOM — General 8400 mm/**27'6"**
STICK — R5.5H 5500 mm/**18'1"**
BUCKET — 2.4 m³/**3.25 yd³** Trenching Bucket
SHOE — 900 mm/**36"** Double Grouser
HEAVY LIFT — On
UNDERCARRIAGE — Long

		3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft		7.5 m/25.0 ft		9.0 m/30.0 ft		10.5 m/35.0 ft		12.0 m/40.0 ft		13.5 m/45.0 ft				
																				m¤ ft
10.5 m **35.0 ft**	kg **lb**																	*3850 ***8550**	*3850 ***8550**	13.39 **43.56**
9.0 m **30.0 ft**	kg **lb**													*8100 ***16,450**	*8100 ***16,450**			*3700 ***8200**	*3700 ***8200**	14.21 **46.40**
7.5 m **25.0 ft**	kg **lb**											*11 250 ***24,400**	*11 250 ***24,400**	*9600 ***20,050**	*9600 ***20,050**			*3650 ***8050**	*3650 ***8050**	14.80 **48.42**
6.0 m **20.0 ft**	kg **lb**									*13 200 ***28,650**	*13 200 ***28,650**	*12 050 ***26,250**	*12 050 ***26,250**	*11 050 ***23,350**	9950 **21,200**	*6700 ***14,700**	*6700 ***14,700**	*3650 ***8050**	*3650 ***8050**	15.18 **49.75**
4.5 m **15.0 ft**	kg **lb**							*17 150 ***36,950**	*17 150 ***36,950**	*14 650 ***31,750**	*14 650 ***31,750**	*13 000 ***28,200**	12 400 **26,550**	*11 800 ***25,600**	9700 **20,700**	*7800 ***14,800**	7600 **14,800**	*3750 ***8250**	*3750 ***8250**	15.38 **50.45**
3.0 m **10.0 ft**	kg **lb**					*25 100 ***54,050**	*25 100 ***54,050**	*19 550 ***42,150**	*19 550 ***42,150**	*16 200 ***35,000**	15 450 **33,200**	*13 950 ***30,250**	11 950 **25,600**	*12 400 ***26,850**	9400 **20,100**	*8950 ***16,750**	7450 **15,850**	*3950 ***8650**	*3950 ***8650**	15.41 **50.56**
1.5 m **5.0 ft**	kg **lb**					*28 250 ***61,000**	27 700 **59,650**	*21 550 ***46,600**	19 650 **42,250**	*17 500 ***37,900**	14 750 **31,700**	*14 800 ***32,100**	11 500 **24,650**	*12 900 ***27,900**	9100 **19,500**	*9350 ***17,150**	7300 **15,550**	*4200 ***9250**	*4200 ***9250**	15.26 **50.07**
Ground Line	kg **lb**			*14 800 ***34,100**	*14 800 ***34,100**	*30 050 ***65,000**	26 450 **56,900**	*22 950 ***49,600**	18 800 **40,400**	*18 500 ***39,950**	14 200 **30,500**	*15 450 ***33,400**	11 100 **23,800**	*13 200 ***28,550**	8850 **18,950**	*8500 ***14,000**	7150 **14,000**	*4600 ***10,100**	*4600 ***10,100**	14.93 **48.98**
-1.5 m **-5.0 ft**	kg **lb**	*10 100 ***22,800**	*10 100 ***22,800**	*18 100 ***41,350**	*18 100 ***41,350**	*30 500 ***66,000**	25 750 **55,350**	*23 550 ***50,900**	18 250 **39,200**	*18 950 ***40,900**	13 800 **29,600**	*15 700 ***33,900**	10 800 **23,200**	*13 200 ***28,400**	8700 **18,600**			*5100 ***11,250**	*5100 ***11,250**	14.41 **47.23**
-3.0 m **-10.0 ft**	kg **lb**	*15 150 ***34,150**	*15 150 ***34,150**	*23 300 ***53,000**	*23 300 ***53,000**	*29 750 ***64,400**	25 500 **54,700**	*23 250 ***50,250**	17 950 **38,550**	*18 750 ***40,450**	13 550 **29,100**	*15 400 ***33,150**	10 650 **22,850**	*12 600 ***26,900**	8600 **18,500**			*5850 ***12,950**	*5850 ***12,950**	13.67 **44.74**
-4.5 m **-15.0 ft**	kg **lb**	*21 050 ***47,500**	*21 050 ***47,500**	*30 300 ***69,100**	*30 300 ***69,100**	*27 900 ***60,250**	25 500 **54,800**	*22 050 ***47,500**	17 900 **38,450**	*17 750 ***38,150**	13 500 **29,000**	*14 350 ***30,600**	10 650 **22,900**					*6950 ***15,450**	*6950 ***15,450**	12.66 **41.36**
-6.0 m **-20.0 ft**	kg **lb**	*28 300 ***64,100**	*28 300 ***64,100**	*31 700 ***68,200**	*31 700 ***68,200**	*24 700 ***53,000**	*24 700 ***53,000**	*19 650 ***42,000**	18 050 **38,900**	*15 600 ***33,200**	13 650 **29,400**	*11 850 ***24,350**	10 850 **23,450**					*8250 ***17,950**	*8250 ***17,950**	11.32 **36.80**
-7.5 m **-25.0 ft**	kg **lb**			*24 800 ***52,600**	*24 800 ***52,600**	*19 650 ***41,550**	*19 650 ***41,550**	*15 450 ***32,300**	*15 450 ***32,300**	*11 300 ***22,600**	*11 300 ***22,600**							*9750 ***21,150**	*9750 ***21,150**	9.45 **30.57**

375 L EXCAVATOR
BOOM — General 8400 mm/**27'6"**
STICK — R5.5H 5500 mm/**18'1"**
BUCKET — 2.4 m³/**3.25 yd³** Trenching Bucket
SHOE — 900 mm/**36"** Double Grouser
HEAVY LIFT — Off
UNDERCARRIAGE — Long

		3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft		7.5 m/25.0 ft		9.0 m/30.0 ft		10.5 m/35.0 ft		12.0 m/40.0 ft		13.5 m/45.0 ft				
																				m¤ ft
10.5 m **35.0 ft**	kg **lb**																	*3450 ***7650**	*3450 ***7650**	13.39 **43.56**
9.0 m **30.0 ft**	kg **lb**													*7450 ***15,050**	*7450 ***15,050**			*3300 ***7300**	*3300 ***7300**	14.21 **46.40**
7.5 m **25.0 ft**	kg **lb**											*10 350 ***22,500**	*10 350 ***22,500**	*8850 ***18,450**	*8850 ***18,450**			*3250 ***7150**	*3250 ***7150**	14.80 **48.42**
6.0 m **20.0 ft**	kg **lb**									*12 100 ***26,200**	*12 100 ***26,200**	*11 000 ***23,950**	*11 000 ***23,950**	*10 200 ***21,550**	9950 **21,200**	*6100 ***13,400**	*6100 ***13,400**	*3300 ***7200**	*3300 ***7200**	15.18 **49.75**
4.5 m **15.0 ft**	kg **lb**							*15 750 ***34,000**	*15 750 ***34,000**	*13 450 ***29,100**	*13 450 ***29,100**	*11 850 ***25,750**	*11 850 ***25,750**	*10 750 ***23,300**	9700 **20,700**	*7150 ***13,450**	*7150 ***13,450**	*3350 ***7400**	*3350 ***7400**	15.38 **50.45**
3.0 m **10.0 ft**	kg **lb**					*23 150 ***49,850**	*23 150 ***49,850**	*17 950 ***38,750**	*17 950 ***38,750**	*14 850 ***32,050**	*14 850 ***32,050**	*12 750 ***27,600**	11 950 **25,600**	*11 250 ***24,400**	9400 **20,100**	*8200 ***15,300**	7450 **15,300**	*3550 ***7750**	*3550 ***7750**	15.41 **50.56**
1.5 m **5.0 ft**	kg **lb**					*26 050 ***56,200**	*26 050 ***56,200**	*19 850 ***42,800**	19 650 **42,250**	*16 050 ***34,700**	14 750 **31,700**	*13 550 ***29,300**	11 500 **24,650**	*11 750 ***25,400**	9100 **19,500**	*8600 ***15,700**	7300 **15,550**	*3800 ***8300**	*3800 ***8300**	15.26 **50.07**
Ground Line	kg **lb**			*13 700 ***31,650**	*13 700 ***31,650**	*27 700 ***59,850**	26 450 **56,900**	*21 100 ***45,550**	18 800 **40,400**	*16 950 ***36,600**	14 200 **30,500**	*14 100 ***30,500**	11 100 **23,800**	*12 000 ***25,950**	8850 **18,950**	*7800 ***12,750**	7150 **12,750**	*4150 ***9100**	*4150 ***9100**	14.93 **48.98**
-1.5 m **-5.0 ft**	kg **lb**	*9300 ***21,000**	*9300 ***21,000**	*16 850 ***38,450**	*16 850 ***38,450**	*28 050 ***60,750**	25 750 **55,350**	*21 600 ***46,700**	18 250 **39,200**	*17 350 ***37,450**	13 800 **29,600**	*14 300 ***30,900**	10 800 **23,200**	*12 000 ***25,800**	8700 **18,600**			*4650 ***10,200**	*4650 ***10,200**	14.41 **47.23**
-3.0 m **-10.0 ft**	kg **lb**	*14 050 ***31,700**	*14 050 ***31,700**	*21 700 ***49,400**	*21 700 ***49,400**	*27 350 ***59,200**	25 500 **54,700**	*21 350 ***46,100**	17 950 **38,550**	*17 150 ***37,000**	13 550 **29,100**	*14 050 ***30,200**	10 650 **22,850**	*11 450 ***24,400**	8600 **18,500**			*5350 ***11,800**	*5350 ***11,800**	13.67 **44.74**
-4.5 m **-15.0 ft**	kg **lb**	*19 600 ***44,250**	*19 600 ***44,250**	*28 300 ***64,550**	*28 300 ***64,550**	*25 600 ***55,250**	25 500 **54,800**	*20 200 ***43,500**	17 900 **38,450**	*16 200 ***34,850**	13 500 **29,000**	*13 050 ***27,800**	10 650 **22,900**					*6350 ***14,150**	*6350 ***14,150**	12.66 **41.36**
-6.0 m **-20.0 ft**	kg **lb**	*26 400 ***59,900**	*26 400 ***59,900**	*29 100 ***62,500**	*29 100 ***62,500**	*22 600 ***48,500**	*22 600 ***48,500**	*17 900 ***38,350**	*17 900 ***38,350**	*14 200 ***30,150**	13 650 **29,400**	*10 700 ***21,950**	*10 700 ***21,950**					*7350 ***16,000**	*7350 ***16,000**	11.32 **36.80**
-7.5 m **-25.0 ft**	kg **lb**			*22 650 ***47,950**	*22 650 ***47,950**	*17 900 ***37,800**	*17 900 ***37,800**	*14 000 ***29,250**	*14 000 ***29,250**	*10 150 ***20,250**	*10 150 ***20,250**							*8700 ***18,950**	*8700 ***18,950**	9.45 **30.57**

*Limited by hydraulic capacity rather than tipping load. The above loads are in compliance with SAE hydraulic excavator lift capacity rating standard J1097. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity. Weight of all lifting accessories must be deducted from the above lifting capacities.

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HEAVY LIFT — On
UNDERCARRIAGE — Long

		3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft		7.5 m/25.0 ft		9.0 m/30.0 ft		10.5 m/35.0 ft		12.0 m/40.0 ft				
																		m¤ ft
10.5 m **35.0 ft**	kg **lb**															*5850 ***12,950**	*5850 ***12,950**	11.88 **38.58**
9.0 m **30.0 ft**	kg **lb**											*11 650 ***23,950**	*11 650 ***23,950**			*5700 ***12,500**	*5700 ***12,500**	12.82 **41.80**
7.5 m **25.0 ft**	kg **lb**									*13 450 ***29,250**	*13 450 ***29,250**	*12 500 ***27,250**	12 500 **26,850**			*5650 ***12,400**	*5650 ***12,400**	13.47 **44.05**
6.0 m **20.0 ft**	kg **lb**							*16 750 ***36,150**	*16 750 ***36,150**	*14 600 ***31,600**	*14 600 ***31,600**	*13 100 ***28,500**	12 250 **26,300**	*11 050 ***21,500**	9450 **20,150**	*5750 ***12,600**	*5750 ***12,600**	13.89 **45.51**
4.5 m **15.0 ft**	kg **lb**					*24 000 ***51,550**	*24 000 ***51,550**	*18 950 ***40,850**	*18 950 ***40,850**	*15 900 ***34,400**	15 550 **33,400**	*13 900 ***30,100**	11 900 **25,500**	*12 450 ***27,100**	9250 **19,750**	*5950 ***13,050**	*5950 ***13,050**	14.11 **46.28**
3.0 m **10.0 ft**	kg **lb**					*27 450 ***59,150**	*27 450 ***59,150**	*21 000 ***45,300**	19 850 **42,700**	*17 200 ***37,150**	14 850 **31,950**	*14 650 ***31,750**	11 500 **24,650**	*12 850 ***27,850**	9050 **19,300**	*6250 ***13,750**	*6250 ***13,750**	14.14 **46.38**
1.5 m **5.0 ft**	kg **lb**					*29 650 ***64,000**	26 500 **57,050**	*22 550 ***48,700**	18 900 **40,650**	*18 200 ***39,350**	14 250 **30,650**	*15 300 ***33,050**	11 100 **23,850**	*13 150 ***28,400**	8800 **18,850**	*6700 ***14,750**	*6700 ***14,750**	13.97 **45.84**
Ground Line	kg **lb**			*14 200 ***32,700**	*14 200 ***32,700**	*30 350 ***65,600**	25 650 **55,150**	*23 350 ***50,450**	18 250 **39,200**	*18 800 ***40,600**	13 800 **29,650**	*15 600 ***33,700**	10 800 **23,200**	*13 150 ***28,250**	8650 **18,500**	*7400 ***16,250**	7050 **15,550**	13.60 **44.63**
-1.5 m **-5.0 ft**	kg **lb**	*12 000 ***27,100**	*12 000 ***27,100**	*20 250 ***46,250**	*20 250 ***46,250**	*29 750 ***64,450**	25 300 **54,350**	*23 250 ***50,350**	17 850 **38,400**	*18 750 ***40,550**	13 500 **29,050**	*15 450 ***33,300**	10 600 **22,800**	*12 600 ***27,700**	8550 **18,850**	*8300 ***18,300**	7600 **16,750**	13.02 **42.68**
-3.0 m **-10.0 ft**	kg **lb**	*19 200 ***43,150**	*19 200 ***43,150**	*28 050 ***63,900**	*28 050 ***63,900**	*28 100 ***60,850**	25 300 **54,350**	*22 300 ***48,200**	17 750 **38,200**	*18 000 ***38,800**	13 400 **28,850**	*14 550 ***31,200**	10 600 **22,750**			*9700 ***21,400**	8550 **18,900**	12.19 **39.88**
-4.5 m **-15.0 ft**	kg **lb**	*27 300 ***61,600**	*27 300 ***61,600**	*31 850 ***68,850**	*31 850 ***68,850**	*25 300 ***54,550**	*25 300 ***54,550**	*20 250 ***43,600**	17 900 **38,500**	*16 200 ***34,650**	13 500 **29,100**	*12 350 ***27,150**	10 750 **23,700**			*9800 ***21,400**	*9800 ***21,400**	11.04 **35.99**
-6.0 m **-20.0 ft**	kg **lb**			*25 850 ***55,350**	*25 850 ***55,350**	*20 900 ***44,700**	*20 900 ***44,700**	*16 700 ***35,400**	*16 700 ***35,400**	*12 550 ***25,800**	*12 550 ***25,800**					*8000 ***17,200**	*8000 ***17,200**	9.43 **30.54**
-7.5 m	kg															*11 350	*11 350	7.03

375 L EXCAVATOR
BOOM — General 8400 mm/**27'6"**
STICK — R4.4H 4400 mm/**14'5"**
BUCKET — 2.8 m³/**3.75 yd³** Trenching Bucket
SHOE — 900 mm/**36"** Double Grouser
HEAVY LIFT — Off
UNDERCARRIAGE — Long

		3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft		7.5 m/25.0 ft		9.0 m/30.0 ft		10.5 m/35.0 ft		12.0 m/40.0 ft				
																		m¤ ft
10.5 m **35.0 ft**	kg **lb**															*5350 ***11,800**	*5350 ***11,800**	11.88 **38.58**
9.0 m **30.0 ft**	kg **lb**											*10 800 ***22,150**	*10 800 ***22,150**			*5150 ***11,400**	*5150 ***11,400**	12.82 **41.80**
7.5 m **25.0 ft**	kg **lb**									*12 350 ***26,800**	*12 350 ***26,800**	*11 400 ***24,850**	*11 400 ***24,850**			*5150 ***11,300**	*5150 ***11,300**	13.47 **44.05**
6.0 m **20.0 ft**	kg **lb**							*15 400 ***33,250**	*15 400 ***33,250**	*13 350 ***28,950**	*13 350 ***28,950**	*11 950 ***26,000**	*11 950 ***26,000**	*10 200 ***19,800**	9450 **19,800**	*5200 ***11,450**	*5200 ***11,450**	13.89 **45.51**
4.5 m **15.0 ft**	kg **lb**					*22 150 ***47,550**	*22 150 ***47,550**	*17 400 ***37,550**	*17 400 ***37,550**	*14 550 ***31,500**	*14 550 ***31,500**	*12 700 ***27,450**	11 900 **25,500**	*11 350 ***24,650**	9250 **19,750**	*5400 ***11,850**	*5400 ***11,850**	14.11 **46.28**
3.0 m **10.0 ft**	kg **lb**					*25 300 ***54,450**	*25 300 ***54,450**	*19 300 ***41,600**	*19 300 ***41,600**	*15 750 ***34,000**	14 850 **31,950**	*13 400 ***28,950**	11 500 **24,650**	*11 700 ***25,350**	9050 **19,300**	*5700 ***12,550**	*5700 ***12,550**	14.14 **46.38**
1.5 m **5.0 ft**	kg **lb**					*27 300 ***58,900**	26 500 **57,050**	*20 700 ***44,700**	18 900 **40,650**	*16 650 ***36,000**	14 250 **30,650**	*13 950 ***30,150**	11 100 **23,850**	*11 950 ***25,800**	8800 **18,850**	*6150 ***13,500**	*6150 ***13,500**	13.97 **45.84**
Ground Line	kg **lb**			*13 150 ***30,350**	*13 150 ***30,350**	*27 900 ***60,350**	25 650 **55,150**	*21 400 ***46,300**	18 250 **39,200**	*17 200 ***37,150**	13 800 **29,650**	*14 250 ***30,750**	10 800 **23,200**	*11 950 ***25,650**	8650 **18,500**	*6750 ***14,900**	*6750 ***14,900**	13.60 **44.63**
-1.5 m **-5.0 ft**	kg **lb**	*11 100 ***25,050**	*11 100 ***25,050**	*18 850 ***43,050**	*18 850 ***43,050**	*27 350 ***59,200**	25 300 **54,350**	*21 350 ***46,150**	17 850 **38,400**	*17 150 ***37,050**	13 500 **29,050**	*14 100 ***30,300**	10 600 **22,800**	*11 400 ***25,100**	8550 **18,850**	*7650 ***16,850**	7600 **16,750**	13.02 **42.68**
-3.0 m **-10.0 ft**	kg **lb**	*17 850 ***40,200**	*17 850 ***40,200**	*26 200 ***59,700**	*26 200 ***59,700**	*25 800 ***55,800**	25 300 **54,350**	*20 400 ***44,100**	17 750 **38,200**	*16 450 ***35,400**	13 400 **28,850**	*13 250 ***28,350**	10 600 **22,750**			*8950 ***19,800**	8550 **18,900**	12.19 **39.88**
-4.5 m **-15.0 ft**	kg **lb**	*25 450 ***57,500**	*25 450 ***57,500**	*29 200 ***63,100**	*29 200 ***63,100**	*23 150 ***49,900**	*23 150 ***49,900**	*18 500 ***39,800**	17 900 **38,500**	*14 750 ***31,550**	13 500 **29,100**	*11 150 ***24,550**	10 750 **23,700**			*8800 ***19,200**	*8800 ***19,200**	11.04 **35.99**
-6.0 m **-20.0 ft**	kg **lb**			*23 550 ***50,450**	*23 550 ***50,450**	*19 050 ***40,700**	*19 050 ***40,700**	*15 150 ***32,100**	*15 150 ***32,100**	*11 350 ***23,250**	*11 350 ***23,250**					*7100 ***15,250**	*7100 ***15,250**	9.43 **30.54**
-7.5 m	kg															*10 150	*10 150	7.03

*Limited by hydraulic capacity rather than tipping load. The above loads are in compliance with SAE hydraulic excavator lift capacity rating standard J1097. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity. Weight of all lifting accessories must be deducted from the above lifting capacities.

Lift Capacities

Load Point Height

Load at Maximum Reach

Load Radius Over Front

Load Radius Over Side

375 L EXCAVATOR
BOOM — General 8400 mm/**27'6"**
STICK — R3.4J 3400 mm/**11'2"**
BUCKET — 3.0 m³/**4.00 yd³** Heavy Duty Bucket
SHOE — 900 mm/**36"** Double Grouser
HEAVY LIFT — On
UNDERCARRIAGE — Long

		3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft		7.5 m/25.0 ft		9.0 m/30.0 ft		10.5 m/35.0 ft		12.0 m/40.0 ft				
																		m¤ ft
10.5 m	kg									*13 100	*13 100					*7250	*7250	10.99
35.0 ft	**lb**									***28,800**	***28,800**					***16,050**	***16,050**	**35.61**
9.0 m	kg									*13 500	*13 500					*6900	*6900	12.01
30.0 ft	**lb**									***29,350**	***29,350**					***15,300**	***15,300**	**39.13**
7.5 m										*14 150	*14 150	*12 950	11 700			*6800	*6800	12.71
25.0 ft	**lb**									***30,750**	***30,750**	***28,150**	**25,100**			***15,000**	***15,000**	**41.56**
6.0 m	kg					*22 050	*22 050	*17 750	*17 750	*15 150	*15 150	*13 450	11 450			*6850	*6850	13.16
20.0 ft	**lb**					***47,300**	***47,300**	***38,300**	***38,300**	***32,800**	**32,700**	***29,200**	**24,450**			***15,050**	***15,050**	**43.12**
4.5 m	kg					*25 600	*25 600	*19 700	*19 700	*16 300	14 600	*14 050	11 100			*7000	*7000	13.39
15.0 ft	**lb**					***55,500**	***55,000**	***42,500**	***42,500**	***35,200**	**31,400**	***30,450**	**23,800**			***15,450**	***15,450**	**43.91**
3.0 m	kg							*21 400	18 700	*17 300	14 000	*14 650	10 750	*12 500	8350	*7350	6900	13.41
10.0 ft	**lb**					***61,100**	**56,550**	***46,200**	**40,250**	***37,400**	**30,050**	***31,650**	**23,050**			***16,150**	**15,150**	**44.00**
1.5 m	kg					*26 250	25 050	*22 500	17 900	*18 050	13 450	*15 000	10 450	*12 200	8200	*7850	6950	13.22
5.0 ft	**lb**					***63,750**	**53,900**	***48,550**	**38,450**	***39,000**	**28,900**	***32,400**	**22,350**			***17,200**	**15,350**	**43.39**
Ground	kg					*29 150	24 550	*22 700	17 400	*18 250	13 100	*15 000	10 200			*8550	7350	12.82
Line	**lb**					***63,150**	**52,800**	***49,150**	**37,350**	***39,450**	**28,150**	***32,350**	**21,900**			***18,800**	**16,150**	**42.06**
-1.5 m	kg			*18 050	*18 050	*27 800	24 500	*22 100	17 200	*17 800	12 950	*14 400	10 100			*9550	8050	12.18
-5.0 ft	**lb**			***41,500**	***41,500**	***60,250**	**52,650**	***47,750**	**36,900**	***38,400**	**27,750**	***30,850**	**21,700**			***21,100**	**17,800**	**39.91**
-3.0 m	kg	*19 750	*19 750	*29 450	*29 450	*25 400	24 750	*20 500	17 250	*16 450	12 950	*12 600	10 250			*9650	9400	11.25
-10.0 ft	**lb**	***44,650**	***44,650**	***67,350**	***67,350**	***55,050**	**53,150**	***44,250**	**37,050**	***35,350**	**27,850**	***27,700**	**22,550**			***21,150**	**20,800**	**36.79**
-4.5 m	kg			*26 250	*26 250	*21 800	*21 800	*17 650	17 550	*13 650	13 250					*8000	*8000	9.94
-15.0 ft	**lb**			***56,750**	***56,750**	***47,000**	***47,000**	***37,800**	**37,800**	***28,650**	**28,550**					***17,400**	***17,400**	**32.38**
-6.0 m	kg			*19 250	*19 250	*16 250	*16 250	*12 550	*12 550							*9950	*9950	8.26
-20.0 ft	**lb**			***42,400**	***42,400**	***34,350**	***34,350**	***25,750**	***25,750**							***21,500**	***21,500**	**26.75**

375 L EXCAVATOR
BOOM — General 8400 mm/**27'6"**
STICK — R3.4J 3400 mm/**11'2"**
BUCKET — 3.0 m³/**4.00 yd³** Heavy Duty Bucket
SHOE — 900 mm/**36"** Double Grouser
HEAVY LIFT — Off
UNDERCARRIAGE — Long

		3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft		7.5 m/25.0 ft		9.0 m/30.0 ft		10.5 m/35.0 ft		12.0 m/40.0 ft				
																		m¤ ft
10.5 m	kg									*11 950	*11 950					*6650	*6650	10.99
35.0 ft	**lb**									***26,350**	***26,350**					***14,700**	***14,700**	**35.61**
9.0 m	kg									*12 300	*12 300					*6350	*6350	12.01
30.0 ft	**lb**									***26,800**	***26,800**					***13,950**	***13,950**	**39.13**
7.5 m										*12 950	*12 950	*11 750	11 700			*6200	*6200	12.71
25.0 ft	**lb**									***28,100**	***28,100**	***25,600**	**25,100**			***13,700**	***13,700**	**41.56**
6.0 m	kg					*20 300	*20 300	*16 300	*16 300	*13 850	*13 850	*12 200	11 450			*6250	*6250	13.16
20.0 ft	**lb**					***43,550**	***43,550**	***35,100**	***35,100**	***29,950**	***29,950**	***26,550**	**24,450**			***13,750**	***13,750**	**43.12**
4.5 m	kg					*23 550	*23 550	*18 050	*18 050	*14 850	14 600	*12 800	11 100			*6400	*6400	13.39
15.0 ft	**lb**					***50,600**	***50,600**	***38,950**	***38,950**	***32,150**	**31,400**	***27,650**	**23,800**			***14,100**	***14,100**	**43.91**
3.0 m	kg							*19 600	18 700	*15 800	14 000	*13 300	10 750	*11 450	8350	*6700	*6700	13.41
10.0 ft	**lb**					***56,100**	***56,100**	***42,300**	**40,250**	***34,150**	**30,050**	***28,750**	**23,050**			***14,750**	***14,750**	**44.00**
1.5 m	kg					*24 450	*24 450	*20 600	17 900	*16 450	13 450	*13 650	10 450	*11 300	8200	*7150	6950	13.22
5.0 ft	**lb**					***58,450**	**53,900**	***44,450**	**38,450**	***35,550**	**28,900**	***29,450**	**22,350**			***15,750**	**15,350**	**43.39**
Ground	kg					*26 700	24 550	*20 800	17 400	*16 650	13 100	*13 650	10 200			*7850	7350	12.82
Line	**lb**					***57,900**	**52,800**	***44,950**	**37,350**	***35,950**	**28,150**	***29,350**	**21,900**			***17,250**	**16,150**	**42.06**
-1.5 m	kg			*16 750	*16 750	*25 450	24 500	*20 200	17 200	*16 200	12 950	*13 050	10 100			*8800	8050	12.18
-5.0 ft	**lb**			***38,600**	***38,600**	***55,150**	**52,650**	***43,650**	**36,900**	***34,950**	**27,750**	***27,950**	**21,700**			***19,400**	**17,800**	**39.91**
-3.0 m	kg	*18 350	*18 350	*27 500	*27 500	*23 200	*23 200	*18 700	17250	*14 950	12 950	*11 350	10 250			*8650	*8650	11.25
-10.0 ft	**lb**	***41,550**	***41,550**	***61,650**	***61,650**	***50,300**	***50,300**	***40,350**	**37,050**	***32,100**	**27,850**	***25,000**	**22,550**			***18,900**	***18,900**	**36.79**
-4.5 m	kg			*23 850	*23 850	*19 850	*19 850	*16 050	*16 050	*12 300	*12 300					*7100	*7100	9.94
-15.0 ft	**lb**			***51,650**	***51,650**	***42,750**	***42,750**	***34,300**	***34,300**	***25,800**	***25,800**					***15,350**	***15,350**	**32.38**
-6.0 m	kg			*17 350	*17 350	*14 650	*14 650	*11 250	*11 250							*8850	*8850	8.26
-20.0 ft	**lb**			***38,250**	***38,250**	***30,950**	***30,950**	***23,050**	***23,050**							***19,100**	***19,100**	**26.75**

*Limited by hydraulic capacity rather than tipping load. The above loads are in compliance with SAE hydraulic excavator lift capacity rating standard J1097. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity. Weight of all lifting accessories must be deducted from the above lifting capacities.

Lift Capacities

Load Point Height

Load at Maximum Reach

Load Radius Over Front

Load Radius Over Side

375 L EXCAVATOR
BOOM — General 8400 mm/**27'6"**
STICK — R2.9J 2925 mm/**9'7"**
BUCKET — 3.0 m³/**4.00 yd³** Heavy Duty Bucket
SHOE — 900 mm/**36"** Double Grouser
HEAVY LIFT — On
UNDERCARRIAGE — Long

		3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft		7.5 m/25.0 ft		9.0 m/30.0 ft		10.5 m/35.0 ft				
																m¤ ft
10.5 m	kg													*7750	*7750	10.46
35.0 ft	**lb**													***17,150**	***17,150**	**33.82**
9.0 m	kg									*14 050	*14 050			*7350	*7350	11.53
30.0 ft	**lb**									***30,650**	***30,650**			***16,250**	***16,250**	**37.55**
7.5 m	kg							*16 750	*16 750	*14 700	*14 700	*13 400	11 500	*7200	*7200	12.27
25.0 ft	**lb**							***36,150**	***36,150**	***31,950**	***31,950**	***29,450**	**25,300**	***15,900**	***15,900**	**40.09**
6.0 m	kg					*23 200	*23 200	*18 450	*18 450	*15 650	14 950	*13 800	11 200	*7250	*7250	12.74
20.0 ft	**lb**					***49,800**	***49,800**	***39,800**	***39,800**	***33,800**	**32,100**	***30,050**	**23,850**	***15,950**	***15,950**	**41.71**
4.5 m	kg					*26 650	*26 650	*20 300	19 400	*16 650	14 350	*14 350	10 900	*7400	7400	12.97
15.0 ft	**lb**					***57,250**	***57,250**	***43,750**	**41,750**	***36,050**	**30,850**	***31,050**	**23,300**	***16,300**	***16,300**	**42.53**
3.0 m	kg							*21 800	18 350	*17 600	13 800	*14 800	10 600	*7750	7250	12.99
10.0 ft	**lb**							***47,050**	**39,550**	***38,000**	**29,600**	***32,000**	**22,650**	***17,000**	**15,900**	**42.62**
1.5 m	kg							*22 600	17 650	*18 150	13 300	*15 050	10 300	*8250	7350	12.79
5.0 ft	**lb**					***51,850**	***51,850**	***48,900**	**37,950**	***39,200**	**28,550**	***32,450**	**22,100**	***18,100**	**16,150**	**41.98**
Ground	kg					*27 750	24 400	*22 550	17 250	*18 150	13 000	*14 850	10 150	*8950	7750	12.37
Line	**lb**					***61,950**	**52,450**	***48,800**	**37,050**	***39,250**	**27,900**	***31,900**	**21,750**	***19,750**	**17,100**	**40.58**
-1.5 m	kg			*17 450	*17 450	*26 800	24 500	*21 650	17 150	*17 450	12 900	*13 850	10 100	*10 050	8650	11.69
-5.0 ft	**lb**			***40,500**	***40,500**	***58,200**	**52,600**	***46,800**	**36,800**	***37,600**	**27,700**	***29,450**	**21,700**	***22,150**	**19,050**	**38.33**
-3.0 m	kg			*28 250	*28 250	*24 100	*24 100	*19 700	17 300	*15 700	13 000			*9500	*9500	10.71
-10.0 ft	**lb**			***61,650**	***61,650**	***52,250**	***52,250**	***42,450**	**37,150**	***33,600**	**27,950**			***20,800**	***20,800**	**35.03**
-4.5 m	kg			*23 350	*23 350	*20 100	*20 100	*16 300	*16 300	*11 800	*11 800			*7200	*7200	9.31
-15.0 ft	**lb**			***50,500**	***50,500**	***43,200**	***43,200**	***34,750**	***34,750**	***26,050**	***26,050**			***15,600**	***15,600**	**30.30**
-6.0 m	kg					*13 700	*13 700							*10 000	*10 000	7.39
-20.0 ft	**lb**					***30,150**	***30,150**							***24,350**	***24,350**	**22.56**

375 L EXCAVATOR
BOOM — General 8400 mm/**27'6"**
STICK — R2.9J 2925 mm/**9'7"**
BUCKET — 3.0 m³/**4.00 yd³** Heavy Duty Bucket
SHOE — 900 mm/**36"** Double Grouser
HEAVY LIFT — Off
UNDERCARRIAGE — Long

		3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft		7.5 m/25.0 ft		9.0 m/30.0 ft		10.5 m/35.0 ft				
																m¤ ft
10.5 m	kg													*7100	*7100	10.46
35.0 ft	**lb**													***15,750**	***15,750**	**33.82**
9.0 m	kg									*12 850	*12 850			*6750	*6750	11.53
30.0 ft	**lb**									***27,950**	***27,950**			***14,900**	***14,900**	**37.55**
7.5 m	kg							*15 350	*15 350	*13 450	*13 450	*12 150	11 500	*6600	*6600	12.27
25.0 ft	**lb**							***33,150**	***33,150**	***29,200**	***29,200**	***26,800**	**25,300**	***14,550**	***14,550**	**40.09**
6.0 m	kg					*21 350	*21 350	*16 900	*16 900	*14 250	*14 250	*12 550	11 200	*6650	*6650	12.74
20.0 ft	**lb**					***45,850**	***45,850**	***36,450**	***36,450**	***30,900**	***30,900**	***27,300**	**23,850**	***14,550**	***14,550**	**41.71**
4.5 m	kg					*24 500	*24 500	*18 600	*18 600	*15 250	14 350	*13 050	10 900	*6800	*6800	12.97
15.0 ft	**lb**					***52,600**	***52,600**	***40,100**	***40,100**	***32,900**	**30,850**	***28,200**	**23,300**	***14,900**	***14,900**	**42.53**
3.0 m	kg							*20 000	18 350	*16 050	13 800	*13 450	10 600	*7100	*7100	12.99
10.0 ft	**lb**							***43,100**	**39,550**	***34,700**	**29,600**	***29,100**	**22,650**	***15,550**	***15,550**	**42.62**
1.5 m	kg							*20 700	17 650	*16 550	13 300	*13 650	10 300	*7550	7350	12.79
5.0 ft	**lb**					***48,250**	***48,250**	***44,700**	**37,950**	***35,750**	**28,550**	***29,500**	**22,100**	***16,600**	**16,150**	**41.98**
Ground	kg					*25 850	24 400	*20 650	17 250	*16 550	13 000	*13 450	10 150	*8250	7750	12.37
Line	**lb**					***56,750**	**52,450**	***44,600**	**37,050**	***35,750**	**27,900**	***28,950**	**21,750**	***18,150**	**17,100**	**40.58**
-1.5 m	kg			*16 200	*16 200	*24 500	24 500	*19 750	17 150	*15 900	12 900	*12 550	10 100	*9250	8650	11.69
-5.0 ft	**lb**			***37,650**	***37,650**	***53,200**	**52,600**	***42,700**	**36,800**	***34,200**	**27,700**	***26,650**	**21,700**	***20,400**	**19,050**	**38.33**
-3.0 m	kg			*25 750	*25 750	*22 000	*22 000	*17 950	17 300	*14 250	13 000			*8450	*8450	10.71
-10.0 ft	**lb**			***56,200**	***56,200**	***47,650**	***47,650**	***38,650**	**37,150**	***30,450**	**27,950**			***18,550**	***18,550**	**35.03**
-4.5 m	kg			*21 150	*21 150	*18 250	*18 250	*14 750	*14 750	*10 600	*10 600			*6350	*6350	9.31
-15.0 ft	**lb**			***45,800**	***45,800**	***39,200**	***39,200**	***31,450**	***31,450**	***23,350**	***23,350**			***13,600**	***13,600**	**30.30**
-6.0 m	kg					*12 250	*12 250							*8900	*8900	7.39
-20.0 ft	**lb**					***27,000**	***27,000**							***21,700**	***21,700**	**22.56**

*Limited by hydraulic capacity rather than tipping load. The above loads are in compliance with SAE hydraulic excavator lift capacity rating standard J1097. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity. Weight of all lifting accessories must be deducted from the above lifting capacities.

Lift Capacities

Load Point Height

Load at Maximum Reach

Load Radius Over Front

Load Radius Over Side

375 EXCAVATOR
BOOM — General 8400 mm/**27'6"**
STICK — R4.4H 4400 mm/**14'5"**
BUCKET — 2.8 m³/**3.75 yd³** Trenching Bucket
SHOE — 900 mm/**36"** Double Grouser
HEAVY LIFT — On
UNDERCARRIAGE — Standard

		3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft		7.5 m/25.0 ft		9.0 m/30.0 ft		10.5 m/35.0 ft		12.0 m/40.0 ft				
																		m¤ ft
10.5 m **35.0 ft**	kg **lb**															*5850 ***13,000**	*5850 ***13,000**	11.88 **38.55**
9.0 m **30.0 ft**	kg **lb**											*11 650 ***23,900**	*11 650 ***23,900**			*5700 ***12,550**	*5700 ***12,550**	12.81 **41.77**
7.5 m **25.0 ft**	kg **lb**									*13 450 ***29,250**	*13 450 ***29,250**	*12 500 ***27,250**	12 100 **25 850**			*5650 ***12,400**	*5650 ***12,400**	13.47 **44.03**
6.0 m **20.0 ft**	kg **lb**							*16 750 ***36,150**	*16 750 ***36,150**	*14 600 ***31,600**	*14 600 ***31,600**	*13 100 ***28,500**	11 800 **25 300**	*11 050 ***21,450**	9050 **19,350**	*5750 ***12,600**	*5750 ***12,600**	13.89 **45.50**
4.5 m **15.0 ft**	kg **lb**					*23 950 ***51,500**	*23 950 ***51,500**	*18 900 ***40,800**	*18 900 ***40,800**	*15 900 ***34,350**	15 000 **32,200**	*13 900 ***30,100**	11 450 **24,500**	12 100 **25,900**	8850 **18,900**	*5950 ***13,000**	*5950 ***13,000**	14.11 **46.27**
3.0 m **10.0 ft**	kg **lb**					*27 450 ***59,050**	27 050 **58,350**	*21 000 ***45,250**	19 150 **41,200**	*17 150 ***37,100**	14 300 **30,750**	*14 650 ***31,750**	11 050 **23,650**	11 850 **25,400**	8650 **18,450**	*6250 ***13,700**	*6250 ***13,700**	14.14 **46.38**
1.5 m **5.0 ft**	kg **lb**					*29 650 ***63,950**	25 550 **55,000**	*22 550 ***48,700**	18 200 **39,150**	*18 200 ***39,350**	13 700 **29,450**	14 550 **31,300**	10 650 **22,850**	11 650 **24,950**	8400 **18,000**	*6700 ***14,750**	6500 **14,250**	13.97 **45.85**
Ground **Line**	kg **lb**			*14 150 ***32,600**	*14 150 ***32,600**	*30 300 ***65,600**	24 700 **53,100**	*23 350 ***50,450**	17 550 **37,700**	18 200 **39,100**	13 250 **28,450**	14 250 **30,600**	10 350 **22,200**	11 450 **24,600**	8250 **17,650**	*7350 ***16,200**	6700 **14,800**	13.61 **44.64**
-1.5 m **-5.0 ft**	kg **lb**	*11 950 ***26,950**	*11 950 ***26,950**	*20 200 ***46,100**	*20 200 ***46,100**	*29 750 ***64,500**	24 350 **52,300**	*23 300 ***50,350**	17 150 **36,900**	17 900 **38,450**	12 950 **27,850**	14 050 **30,200**	10 150 **21,800**	11 400 **25,050**	8150 **18,000**	*8300 ***18,300**	7250 **15,950**	13.03 **42.70**
-3.0 m **-10.0 ft**	kg **lb**	*19 100 ***43,050**	*19 100 ***43,050**	*28 000 ***63,750**	*28 000 ***63,750**	*28 150 ***60,850**	24 350 **52,250**	*22 300 ***48,200**	17 050 **36,650**	17 800 **38,250**	12 850 **27,650**	14 000 **30,100**	10 100 **21,750**			*9650 ***21,400**	8150 **18,050**	12.19 **39.90**
-4.5 m **-15.0 ft**	kg **lb**	*27 200 ***61,400**	*27 200 ***61,400**	*31 900 ***68,950**	*31 900 ***68,950**	*25 300 ***54,600**	24 600 **52,850**	*20 300 ***43,650**	17 200 **36,950**	*16 250 ***34,700**	12 950 **27,900**	*12 350 ***27,250**	10 300 **22,650**			*9800 ***21,450**	9750 ***21,450**	11.05 **36.03**
-6.0 m **-20.0 ft**	kg **lb**			*25 900 ***55,500**	*25 900 ***55,500**	*20 950 ***44,800**	*20 950 ***44,800**	*16 750 ***35,450**	*16 750 ***35,450**	*12 600 ***25,900**	*12 600 ***25,900**					*8050 ***17,200**	*8050 ***17,200**	9.45 **30.59**
-7.5 m	kg					*14 000	*14 000									*11 100	*11 100	7.14

375 EXCAVATOR
BOOM — General 8400 mm/**27'6"**
STICK — R4.4H 4400 mm/**14'5"**
BUCKET — 2.8 m³/**3.75 yd³** Trenching Bucket
SHOE — 900 mm/**36"** Double Grouser
HEAVY LIFT — Off
UNDERCARRIAGE — Standard

		3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft		7.5 m/25.0 ft		9.0 m/30.0 ft		10.5 m/35.0 ft		12.0 m/40.0 ft				
																		m¤ ft
10.5 m **35.0 ft**	kg **lb**															*5350 ***11,850**	*5350 ***11,850**	11.88 **38.55**
9.0 m **30.0 ft**	kg **lb**											*10 750 ***22,050**	*10 750 ***22,050**			*5150 ***11,400**	*5150 ***11,400**	12.81 **41.77**
7.5 m **25.0 ft**	kg **lb**									*12 350 ***26,800**	*12 350 ***26,800**	*11 400 ***24,850**	*11 400 ***24,850**			*5150 ***11,300**	*5150 ***11,300**	13.47 **44.03**
6.0 m **20.0 ft**	kg **lb**							*15 400 ***33,200**	*15 400 ***33,200**	*13 350 ***28,900**	*13 350 ***28,900**	*11 950 ***26,000**	11 800 **25 300**	*10 200 ***19,750**	9050 **19,350**	*5200 ***11,450**	*5200 ***11,450**	13.89 **45.50**
4.5 m **15.0 ft**	kg **lb**					*22 100 ***47,500**	*22 100 ***47,500**	*17 400 ***37,500**	*17 400 ***37,500**	*14 550 ***31,450**	*14 550 ***31,450**	*12 650 ***27,450**	11 450 **24,500**	*11 350 ***24,650**	8850 **18,900**	*5400 ***11,850**	*5400 ***11,850**	14.11 **46.27**
3.0 m **10.0 ft**	kg **lb**					*25 300 ***54,400**	*25 300 ***54,400**	*19 300 ***41,600**	19 150 **41,200**	*15 750 ***34,000**	14 300 **30,750**	*13 400 ***28,950**	11 050 **23,650**	*11 700 ***25,350**	8650 **18,450**	*5700 ***12,500**	*5700 ***12,500**	14.14 **46.38**
1.5 m **5.0 ft**	kg **lb**					*27 250 ***58,850**	25 550 **55,000**	*20 700 ***44,700**	18 200 **39,150**	*16 650 ***36,000**	13 700 **29,450**	*13 950 ***30,150**	10 650 **22,850**	11 650 **24,950**	8400 **18,000**	*6150 ***13,500**	*6150 ***13,500**	13.97 **45.85**
Ground **Line**	kg **lb**			*13 100 ***30,250**	*13 100 ***30,250**	*27 900 ***60,350**	24 700 **53,100**	*21 400 ***46,300**	17 550 **37,700**	*17 200 ***37,150**	13 250 **38,450**	*14 250 ***30,600**	10 350 **22,200**	11 450 **24,600**	8250 **17,650**	*6750 ***14,850**	6700 **14,800**	13.61 **44.64**
-1.5 m **-5.0 ft**	kg **lb**	*11 050 ***24,900**	*11 050 ***24,900**	*18 800 ***42,950**	*18 800 ***42,950**	*27 350 ***59,250**	24 350 **52,300**	*21 350 ***46,150**	17 150 **36,900**	*17 150 ***37,050**	12 950 **27,850**	14 050 **30,200**	10 150 **21,800**	11 400 **25,050**	8150 **18,000**	*7650 ***16,850**	7250 **15,950**	13.03 **42.70**
-3.0 m **-10.0 ft**	kg **lb**	*17 800 ***40,050**	*17 800 ***40,050**	*26 150 ***59,500**	*26 150 ***59,500**	*25 800 ***55,850**	24 350 **52,250**	*20 450 ***44,150**	17 050 **36,650**	*16 450 ***35,450**	12 850 **27,650**	*13 250 ***28,350**	10 100 **21,750**			*8900 ***19,750**	8150 **18,050**	12.19 **39.90**
-4.5 m **-15.0 ft**	kg **lb**	*25 400 ***57,350**	*25 400 ***57,350**	*29 200 ***63,200**	*29 200 ***63,200**	*23 200 ***50,000**	*23 200 ***50,000**	*18 550 ***39,850**	17 200 **36,950**	*14 800 ***31,600**	12 950 **27,900**	*11 200 ***24,650**	10 300 **22,650**			*8800 ***19,250**	*8800 ***19,250**	11.05 **36.03**
-6.0 m **-20.0 ft**	kg **lb**			*23 600 ***50,600**	*23 600 ***50,600**	*19 100 ***40,800**	*19 100 ***40,800**	*15 200 ***32,200**	*15 200 ***32,200**	*11 400 ***23,350**	*11 400 ***23,350**					*7150 ***15,300**	*7150 ***15,300**	9.45 **30.59**
-7.5 m	kg					*12 600	*12 600									*9950	*9950	7.14

*Limited by hydraulic capacity rather than tipping load. The above loads are in compliance with SAE hydraulic excavator lift capacity rating standard J1097. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity. Weight of all lifting accessories must be deducted from the above lifting capacities.

Lift Capacities

Load Point Height

Load at Maximum Reach

Load Radius Over Front

Load Radius Over Side

375 EXCAVATOR
BOOM — General 8400 mm/**27'6"**
STICK — R3.4J 3400 mm/**11'2"**

BUCKET — 3.0 m³/**4.00 yd³** Heavy Duty Bucket
SHOE — 900 mm/**36"** Double Grouser

HEAVY LIFT — On
UNDERCARRIAGE — Standard

		3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft		7.5 m/25.0 ft		9.0 m/30.0 ft		10.5 m/35.0 ft		12.0 m/40.0 ft				
																		m¤ ft
10.5 m	kg									*13 100	*13 100					*7250	*7250	10.99
35.0 ft	**lb**									***28,800**	***28,800**					***16,050**	***16,050**	**35.61**
9.0 m	kg									*13 500	*13 500					*6900	*6900	12.01
30.0 ft	**lb**									***29,350**	***29,350**					***15,300**	***15,300**	**39.13**
7.5 m										*14 150	*14 150	*12 950	11 250			*6800	*6800	12.71
25.0 ft	**lb**									***30,750**	***30,750**	***28,150**	**24,100**			***15,000**	***15,000**	**41.56**
6.0 m	kg					*22 050	*22 050	*17 750	*17 750	*15 150	14 700	*13 450	10 950			*6850	*6850	13.16
20.0 ft	**lb**					***47,300**	***47,300**	***38,300**	***38,300**	***32,800**	**31,500**	***29,200**	**23,450**			***15,050**	***15,050**	**43.12**
4.5 m	kg					*25 600	*25 600	*19 700	19 100	*16 300	14 050	*14 050	10 650			*7000	6700	13.39
15.0 ft	**lb**					***55,000**	***55,000**	***42,500**	**41,050**	***35,200**	**30,200**	***30,450**	**22,800**			***15,450**	**14,800**	**43.91**
3.0 m	kg							*21 400	18 000	*17 300	13 450	14 200	10 300	11 150	7950	*7350	6550	13.41
10.0 ft	**lb**					***61,100**	**54,500**	***46,200**	**38,750**	***37,400**	**28,850**	**30,500**	**22,050**			***16,150**	**14,400**	**44.00**
1.5 m	kg					*26 250	24 100	*22 500	17 150	17 850	12 900	13 900	9950	11 000	7800	*7850	6600	13.22
5.0 ft	**lb**					***63,750**	**51,850**	***48,550**	**36,950**	**38,400**	**27,700**	**29,800**	**21,350**			***17,200**	**14,550**	**43.39**
Ground	kg					*29 150	23 600	*22 700	16 650	17 500	12 550	13 650	9750			*8550	6950	12.82
Line	**lb**					***63,150**	**50,700**	***49,150**	**35,850**	**37,550**	**26,950**	**29,300**	**20,900**			***18,800**	**15,350**	**42.06**
-1.5 m	kg			*18 050	*18 050	*27 800	23 550	*22 100	16 450	17 300	12 350	13 550	9650			*9550	7700	12.18
-5.0 ft	**lb**			***41,500**	***41,500**	***60,250**	**50,550**	***47,750**	**35,400**	**37,150**	**26,550**	**29,100**	**20,700**			***21,100**	**16,950**	**39.91**
-3.0 m	kg	*19 750	*19 750	*29 450	*29 450	*25 400	23 800	*20 500	16 550	*16 450	12 400	*12 600	9750			*9650	8950	11.25
-10.0 ft	**lb**	***44,650**	***44,650**	***67,350**	***67,350**	***55,050**	**51,050**	***44,250**	**35,550**	***35,350**	**26,650**	***27,700**	**21,500**			***21,150**	**19,850**	**36.79**
-4.5 m	kg			*26 250	*26 250	*21 800	*21 800	*17 650	16 850	*13 650	12 700					*8000	*8000	9.94
-15.0 ft	**lb**			***56,750**	***56,750**	***47,000**	***47,000**	***37,800**	**36,250**	***28,650**	**27,350**					***17,400**	***17,400**	**32.38**
-6.0 m	kg			*19,250	*19,250	*16,250	*16,250	*12,550	*12,550							*9950	*9950	8.26
-20.0 ft	**lb**			***42,400**	***42,400**	***34,350**	***34,350**	***25,750**	***25,750**							***21,500**	***21,500**	**26.75**

375 EXCAVATOR
BOOM — General 8400 mm/**27'6"**
STICK — R3.4J 3400 mm/**11'2"**

BUCKET — 3.0 m³/**4.00 yd³** Heavy Duty Bucket
SHOE — 900 mm/**36"** Double Grouser

HEAVY LIFT — Off
UNDERCARRIAGE — Standard

		3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft		7.5 m/25.0 ft		9.0 m/30.0 ft		10.5 m/35.0 ft		12.0 m/40.0 ft				
																		m¤ ft
10.5 m	kg									*11 950	*11 950					*6650	*6650	10.99
35.0 ft	**lb**									***26,350**	***26,350**					***14,700**	***14,700**	**35.61**
9.0 m	kg									*12 300	*12 300					*6350	*6350	12.01
30.0 ft	**lb**									***26,800**	***26,800**					***13,950**	***13,950**	**39.13**
7.5 m										*12 950	*12 950	*11 750	11 250			*6200	*6200	12.71
25.0 ft	**lb**									***28,100**	***28,100**	***25,600**	**24,100**			***13,700**	***13,700**	**41.56**
6.0 m	kg					*20 300	*20 300	*16 300	*16 300	*13 850	*13 850	*12 200	10 950			*6250	*6250	13.16
20.0 ft	**lb**					***43,550**	***43,550**	***35,100**	***35,100**	***29,950**	***29,950**	***26,550**	**23,450**			***13,750**	***13,750**	**43.12**
4.5 m	kg					*23 550	*23 550	*18 050	*18 050	*14 850	14 050	*12 800	10 650			*6400	*6400	13.39
15.0 ft	**lb**					***50,600**	***50,600**	***38,950**	***38,950**	***32,150**	**30,200**	***27,650**	**22,800**			***14,100**	***14,100**	**43.91**
3.0 m	kg							*19 600	18 000	*15 800	13 450	*13 300	10 300	11 150	7950	*6700	6550	13.41
10.0 ft	**lb**					***56,100**	**54,500**	***42,300**	**38,750**	***34,150**	**28,850**	***28,750**	**22,050**			***14,750**	**14,400**	**44.00**
1.5 m	kg					*24 450	24 100	*20 600	17 150	*16 450	12 900	*13 650	9950	11 000	7800	*7150	6600	13.22
5.0 ft	**lb**					***58,450**	**51,850**	***44,450**	**36,950**	***35,550**	**27,700**	***29,450**	**21,350**			***15,750**	**14,550**	**43.39**
Ground	kg					*26 700	23 600	*20 800	16 650	*16 650	12 550	*13 650	9750			*7850	6950	12.82
Line	**lb**					***57,900**	**50,700**	***44,950**	**35,850**	***35,950**	**26,950**	**29,300**	**20,900**			***17,250**	**15,350**	**42.06**
-1.5 m	kg			*16 750	*16 750	*25 450	23 550	*20 200	16 450	*16 200	12 350	*13 050	9650			*8800	7700	12.18
-5.0 ft	**lb**			***38,600**	***38,600**	***55,150**	**50,550**	***43,650**	**35,400**	***34,950**	**26,550**	***27,950**	**20,700**			***19,400**	**16,950**	**39.91**
-3.0 m	kg	*18 350	*18 350	*27 500	*27 500	*23 200	*23 200	*18 700	16 550	*14 950	12 400	*11 350	9750			*8650	*8650	11.25
-10.0 ft	**lb**	***41,550**	***41,550**	***61,650**	***61,650**	***50,300**	***50,300**	***40,350**	**35,550**	***32,100**	**26,650**	***25,000**	**21,500**			***18,900**	***18,900**	**36.79**
-4.5 m	kg			*23 850	*23 850	*19 850	*19 850	*16 050	*16 050	*12 300	*12 300					*7100	*7100	9.94
-15.0 ft	**lb**			***51,650**	***51,650**	***42,750**	***42,750**	***34,300**	***34,300**	***25,800**	***25,800**					***15,350**	***15,350**	**32.38**
-6.0 m	kg			*17 350	*17 350	*14 650	*14 650	*11 250	*11 250							*8850	*8850	8.26
-20.0 ft	**lb**			***38,250**	***38,250**	***30,950**	***30,950**	***23,050**	***23,050**							***19,100**	***19,100**	**26.75**

*Limited by hydraulic capacity rather than tipping load. The above loads are in compliance with SAE hydraulic excavator lift capacity rating standard J1097. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity. Weight of all lifting accessories must be deducted from the above lifting capacities.

375/375L Hydraulic Excavator

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AEHQ3850-05 (06-01)
(replaces AEHQ3850-04)
NACD

Featured machines in the photos may include optional equipment.
Materials and specifications are subject to change without notice.

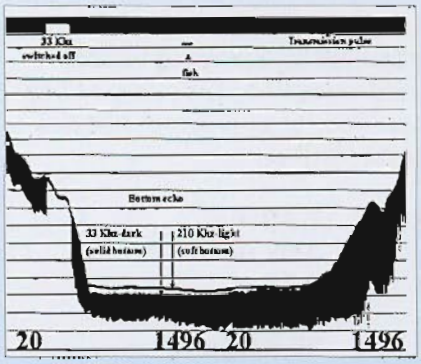
CATERPILLAR®

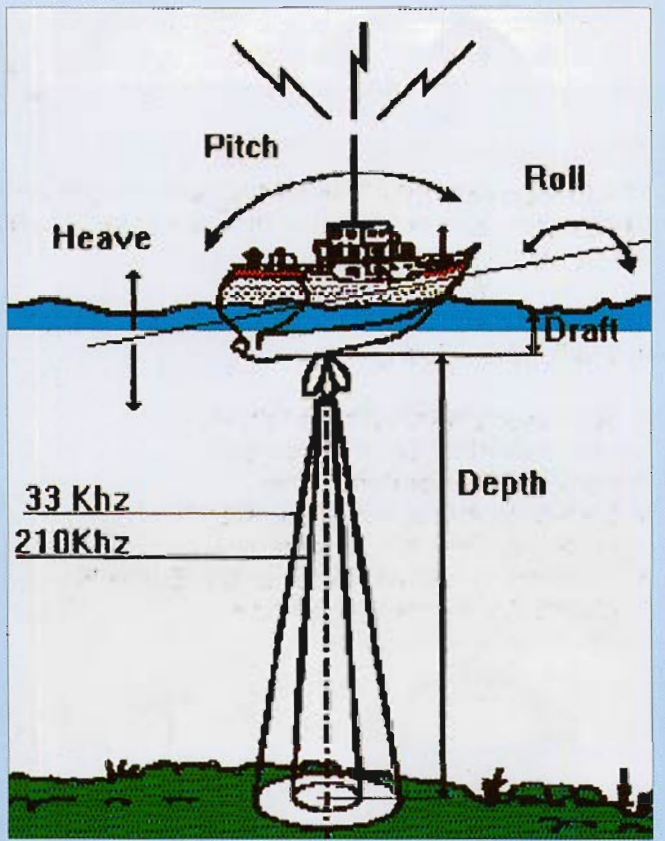
ECHO SOUNDERS

A wide range of echo sounders is available from portable single or dual frequency up to hydrographic survey multibeam echo sounders.

All echo sounders are designed for the following applications:

- **Surveying of inland waterways, harbours and coastal and offshore waters**
- **Dredging and sediment study**
- **Hydrography and research**





SIDE SCAN SONARS

A side scan sonar is the ideal tool for the gathering of detailed bottom information for pre-construction surveying in harbour, canal and dredging projects.

Single frequency as well as dual frequency side scan sonars are available as towfish and for hull mounting.

HEAVE, ROLL & PITCH COMPENSATORS

Sensors

Three angular rate sensors are mounted in the roll/pitch and yaw axis for measuring the heave/roll/pitch and yaw of a moving platform.

Roll/pitch

The measurement of roll/pitch is derived from comparing the local coordinate frame of the linear rate sensors with the inertial frame.

Heave

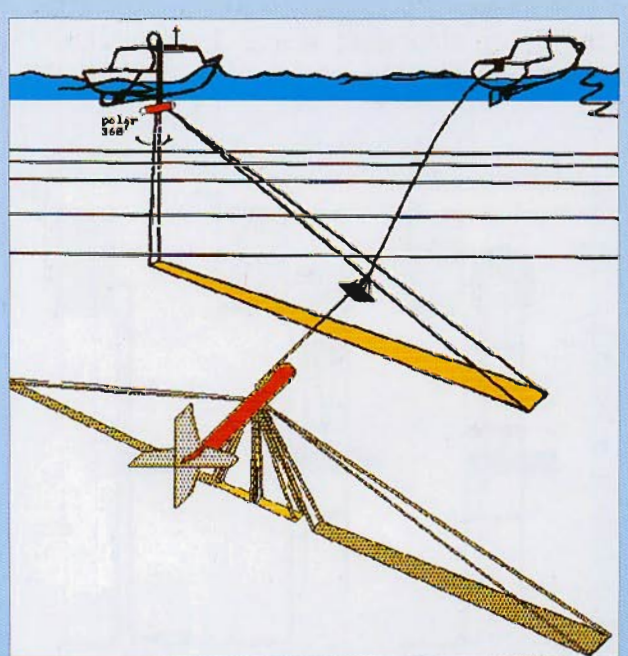
The heave or vertical motion of the platform is determined by double integration of the vertical acceleration values.

Yaw

Yaw data will be provided by integrating rate of yaw data from the angular rate sensors with an external heading reference unit.

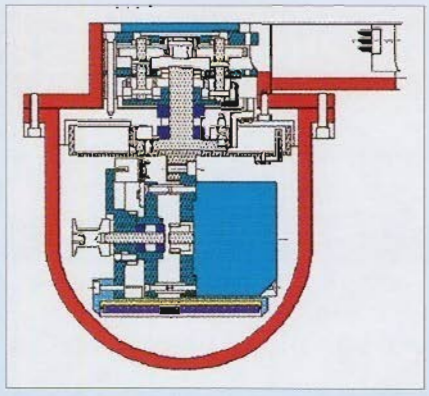
Typical applications:

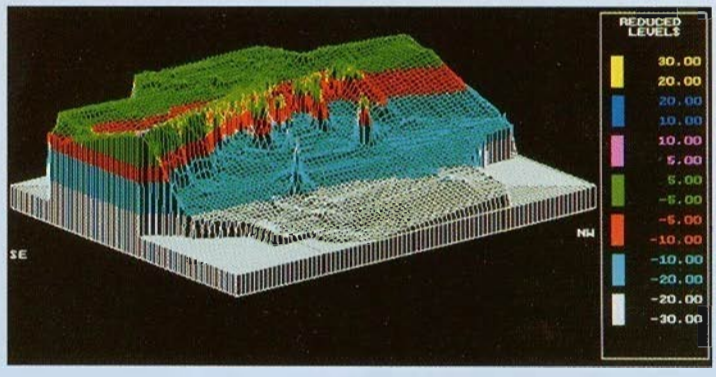
- **Echo sounder & multibeam sounder compensation**
- **Vessel motion analysis & navigation correction**



DUAL AXIS PROFILING

Dual axis profiling is a new technique that makes it possible to map a large area around a static platform with great accuracy. A special dual axis sonar head is used, which rotates around its horizontal as well as its vertical axis, scanning the entire work-area while doing so.
This dual axis sonar head is connected to a special sonar processor that provides communication with the transducer.



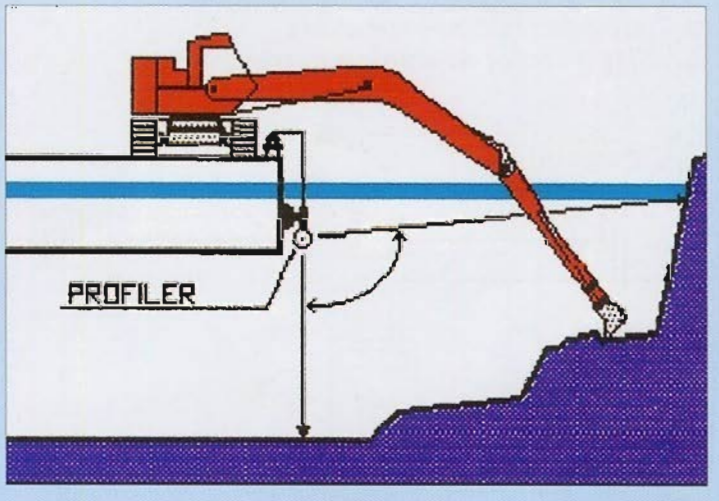


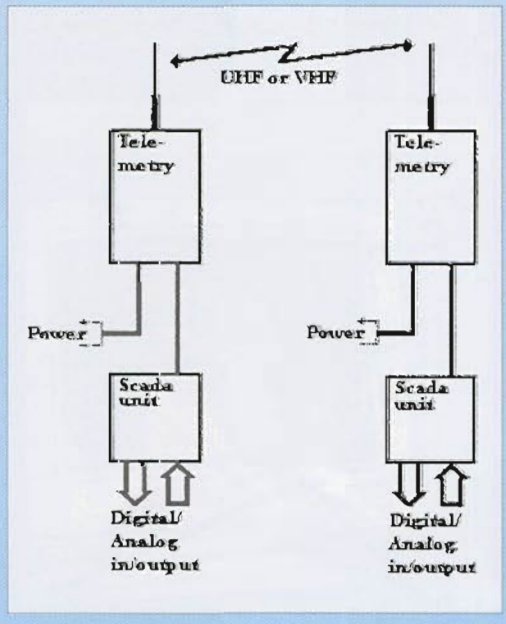
DIGITAL GROUND MODELLING

A special digital ground modelling system is designed to work in conjunction with the dual axis profiler. This system creates a semi ON-LINE 3D-presentation of the work-area scanned by the dual axis profiler, enabling the operator to 'see' the work area.

PROFILING

Profiling is an ideal way of providing ON-LINE, high resolution bottom information on: watersides, slopes, sheet-pile walls, bridge-footings and a lot of other applications where normal echosounders cannot come up to the requirements.





TELEMETRY SYSTEMS

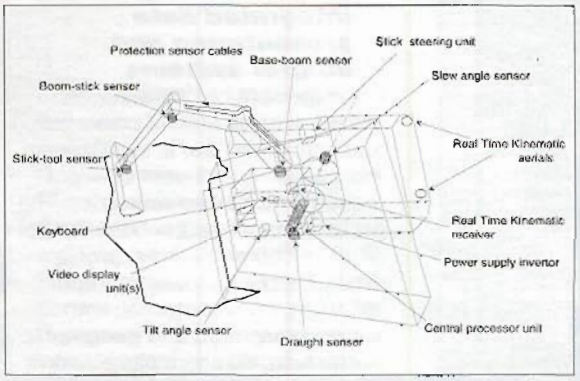
Wireless telemetry/remote control data communication can be realized for the following applications:

- **Data collection networks**
- **Ship-ship, ship-shore, mobile-host**
- **Remote control & alarm monitoring**

Connections full duplex:

- **Point to point**
- **Multidrop**
- **Multihop**

FSK and **ISO AX25** protocol emulation



Digging depth measurement

For accurate dredging it is essential to know the exact position of the excavating tool. To provide this information, systems are available in three stages of performance:

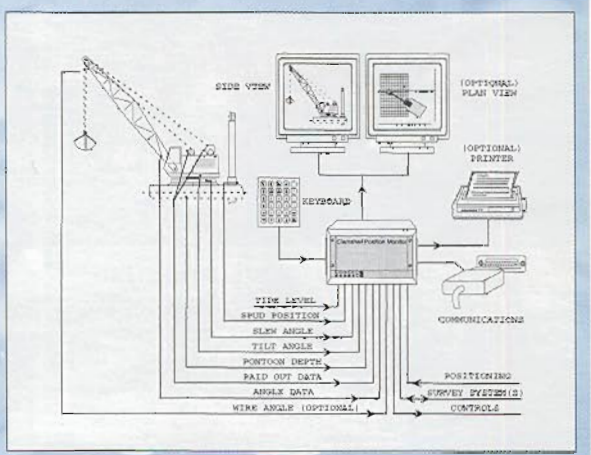
- The Dredging Depth Indicator "Aladin", designed as a stand-alone indicating system for bucket dredgers. It relates the actual dredging depth to chart datum;
- The Excavator Position Monitor XPM, enabling the operator of an hydraulic excavator to control the position of buckets, grapples, squireboxes and hammers - in sideview and topview - related to waterline and setpoints for depth and profile. The system can be extended with automatic profile/depth dredging and with communication with survey equipment and geographical positioning.
- The Clamshell Position Monitor CPM enables the operator of a grab dredger or crane to verify and control the position of the clamshell or grapple -in side and topview- related to the waterline and setpoints for depth and profile. The system can be extended with provisions for dumping/placing and for communication with survey equipment and geographical positioning.

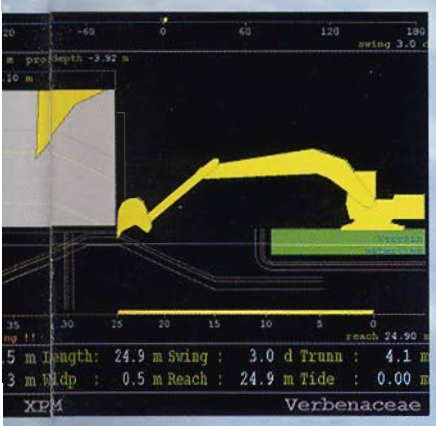
Automatic bucket dredger controller

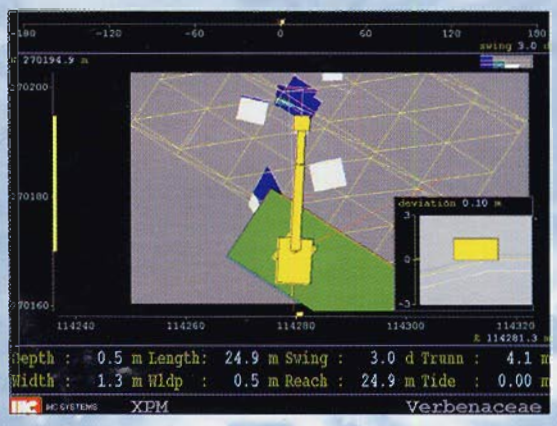
Designed to allow full automatic mechanical control of a bucket dredger, the system presents the relative bucket position and additional relevant dredging data. The main automation task is to control swing speed and swing angle. After initial alignment of the dredger, the system controls the swing action by control of front-, fore- and aft swing winches, and maintains the desired swing angle. It ensures the best production, until either of the following process values become critical:

- Bow winch force
- Bucket load
- Bucket speed
- Side winch load
- Side winch speed
- Dredging angle
- Dredging width

The system integrates a programmable logic controller (PLC) and a personal computer (PC). Graphic extensions provide a man-machine-interface (MMI) function for presentation of process values and communication of operator with system. The system can be extended for communication with survey equipment and geographical positioning.







INSTRUMENTATION AND AUTOMATION FOR MECHANICAL DREDGERS

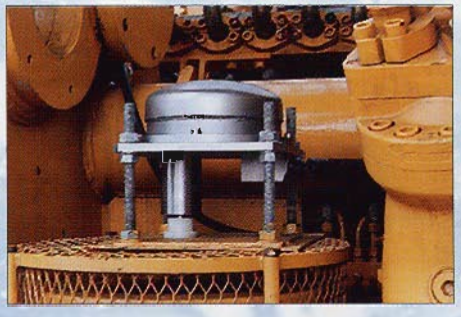
The transformation of physical values into electric signals is essential for monitoring the dredge operation. For a wide range of specific applications the following transducers are available:

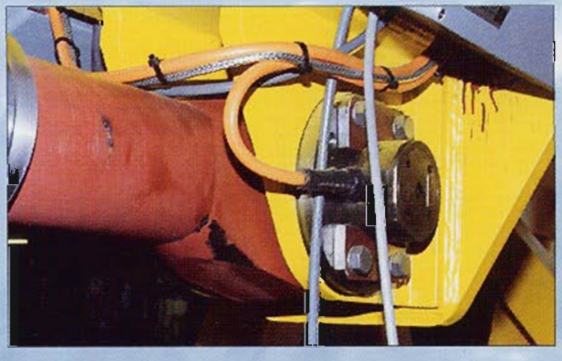
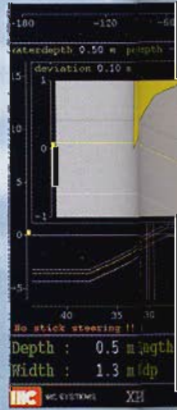
Pressure transmitters for general application

- Water pressure (draught)
- Hydraulic pressure

Mechanical transducers

- Angles of cranes (boom, stick, bucket)
- Rotations
- Inclinotransmitter
- Tensiometer
- Loadcells





These rugged transducers withstand dredging environment's rigours. To illustrate: transmitters mounted on e.g. the stick are suitable for submersial use as well for mechanical vibrations and high humidity.