

HX1000A L

Crawler Excavators



Head Office(Sales Office)
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PLEASE CONTACT

Rated power
629 hp (469 kW) @ 2,000 rpm

Operating weight
97.9 ~ 100.2 t

Bucket capacity
5.4 ~ 6.8 m³



HYUNDAI HX1000A L CRAWLER EXCAVATOR

MADE FOR THE TOUGHEST APPLICATIONS

Lift your business to the next level with the HX1000A L HYUNDAI excavator.

Strong undercarriage, and the highest engine power and hydraulic flow in the market, with total control of the fuel consumption, to offer the lowest possible cost per ton.



* Photo may include optional equipment.

WHAT'S NEWEST AND BEST

HX1000A_L

HIGH PRODUCTIVITY AND LOW COST OF OWNERSHIP

Delivers higher productivity and reduced fuel consumption in an efficient and comfortable work environment.

RELIABILITY

Designed for the toughest applications and the most abrasive materials.

SAFETY

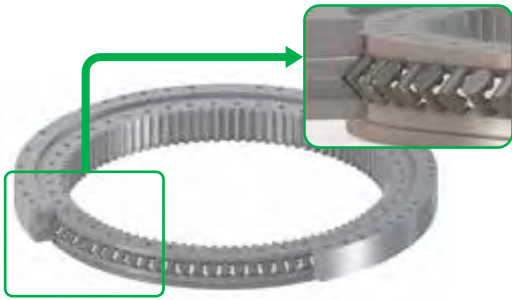
Your safety is our priority: 360° camera system, large side mirrors, powerful LED work lights, anti-slip steps and platforms, guard rails on upper structure.

MASS EXCAVATION

2 Heavy Duty (HD) front combinations available to match various conditions. Mass excavation front with large bucket size or heavy-duty fronts when long reach is needed.

SWING BEARINGS

Unique design of crossed bearings, for better stress distribution, and increased lifetime.



UNDERCARRIAGE DURABILITY

Heavy-duty undercarriage, with large rollers and sprocket, enhanced frame for the toughest applications

EASY MAINTENANCE

Automatic greasing system as standard, all filters easily accessible, compressor with air gun as option, everything designed for easy maintenance.

ADVANCED FILTRATION

Highest efficiency filters & cleaners remove water, dust & particles to protect your investment optimally.

COMFORT

One of the most spacious cabs in the market, with low noise & vibration levels and excellent all-round visibility. Fully adjustable heated air-suspension seat, air conditioning with climate control as standard.

OPERATE AT EASE

All important information is at your fingertips with the new easy-to-use 8" touch screen. Exclusive jog shuttle switch, 4 work & 4 power modes, proportional control.

ENGINE

Exceptionally powerful – with high torque at low revs – the Perkins 2806J engine combines reliability and low environmental impact. This Stage V compliant 6-cylinder engine delivers 469 kW at 2,000 rpm.

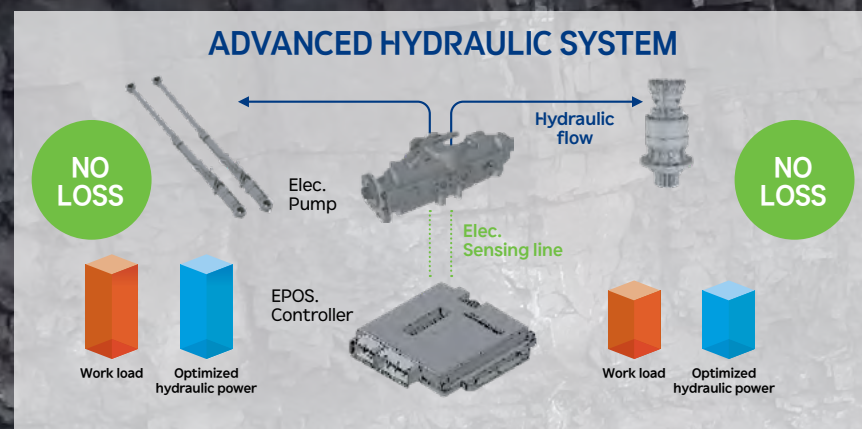
EXCELLENT FUEL EFFICIENCY

The Smart Power Control (SPC) system increases fuel efficiency by adjusting the power to meet the application's needs. The system delivers the exact amount of oil needed to avoid any loss of energy.



* Photo may include optional equipment.

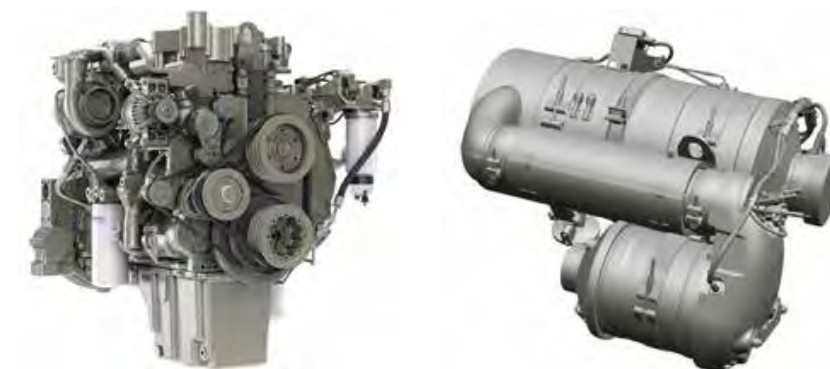
THE BEST PRODUCTIVITY AND FUEL EFFICIENCY



2 Photo may include optional equipment.

The power to raise productivity

- The HX1000AL is equipped with the latest generation of Perkins engine
- Stage V compliant, this engine boasts extremely low emissions because reducing our environmental impact is paramount to us
- Exhaust gases are purified by Selective Catalytic Reduction (SCR) technology, a Diesel Oxidation Catalyst (DOC) and a Diesel Particulate Filter (DPF)



Efficient Fuel Management

- Choice of 4 power modes and 4 working modes guarantees optimum performance in all conditions
- Smart Power Control (SPC3) system: reduces engine speed and adjusts pump torque according to work conditions. The system automatically adjusts engine power and hydraulic output to improve fuel efficiency and reduce emissions. 2 systems (Variable Speed Control and Pump Torque Control) work together to improve efficiency while maintaining productivity.
- Engine auto-shut-off: shuts down the engine after the machine has been idling for a specified time. The operator can set the delay before shut-off via the touchscreen

Asymmetric Turbocharger

High-efficiency asymmetric turbocharger uses a design with 2 different sized scrolls to stream exhaust across the turbine wheel at different velocities.

The most Advanced Hydraulic System

This new electronic main pump accurately calculates the amount of pump flow required for each actuator, thereby maximizing productivity (faster operation) and avoiding unnecessary fuel loss.

NEW EXTERIOR DESIGN FOR ROBUSTNESS AND SAFETY

QUALITY-PROVEN MAIN COMPONENTS

Manufactured with the finest quality main components customized precisely for large equipment, this new machine offers Best-in-Class power and durability.

STRUCTURE

HYUNDAI offers a whole new structure designed specifically for mining operations, keeping your excavator running at all times in rugged harsh environments.

HEAVY-DUTY FRONT

The boom and arm have been specially developed for the toughest applications, such as quarrying or mass excavation, which considerably enhances the overall durability of the machine.

CROSSED ROLLER SWING BEARINGS

Unique crossed bearing design provides longer lifetime by distributing stress more evenly.

UNDERCARRIAGE

Our heavy-duty undercarriage further increases the durability of your machine.

HEAVY-DUTY SPROCKET

Our heavy-duty sprocket further increases your machine's durability.

BOOM

- Boom foot design to increase the pin strength and decrease one-sided wear of pin.
- Flat steel plate for dispersing machine stress.
- Welding design to increase welding part lifetime.
- Inner reinforced plate changed to disperse stress.

ARM

- Bottom steel plate to increase strength of arm structure.
- Arm center boss to lower stress.
- Arm welding design to decrease stress.



* Photo may include optional equipment.

RELIABILITY

In your profession, you need equipment you can depend on. At HYUNDAI, we put durability and reliability at the core of our machines' development. Our materials and structures undergo stringent testing for strength and resilience under the most extreme conditions.



Protected hydraulic system



Heavy-duty under cover



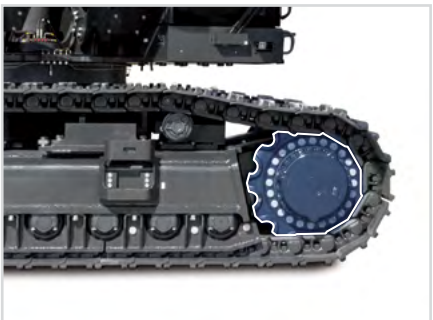
Frame




Crossed roller swing bearings



Undercarriage



Heavy-duty sprocket

- 
1. 8" touch screen
 2. Cup holder
 3. Joysticks and switches are integrated in adjustable control consoles
 4. Improved visibility on the bottom right
 5. Separate seat height adjustment lever and cushion tilting function
 6. Straight ergonomic pedals
 7. Flat, spacious, easy-to-clean floor

* Photo may include optional equipment.

EASY CONTROL

BEST-IN-CLASS OPERATOR ENVIRONMENT

The HX1000AL is designed to provide you with the best possible working conditions. The sophisticated state-of-the-art cab is pressurized and compliant with level 2 FOPS protection when equipped with FOPS guard for your safety. A high-quality heated seat with air suspension provides maximum operator comfort.

CAB SUSPENSION

The cab's suspension system (CabSus mount) dampens vibrations and provides outstanding protection against impact. This system absorbs shocks and vibrations much more effectively than a conventional silentblock suspension system.

HYUNDAI SMART TOUCH

The wide 8" touchscreen provides easy scrolling through the different menus, including power settings and auxiliary hydraulics settings. It also allows you to connect a Bluetooth device or listen to your favorite radio station.

360° ALL-AROUND VIEW CAMERA (AVM) SYSTEM

The 360° camera system gives you full view of the machine's surroundings.

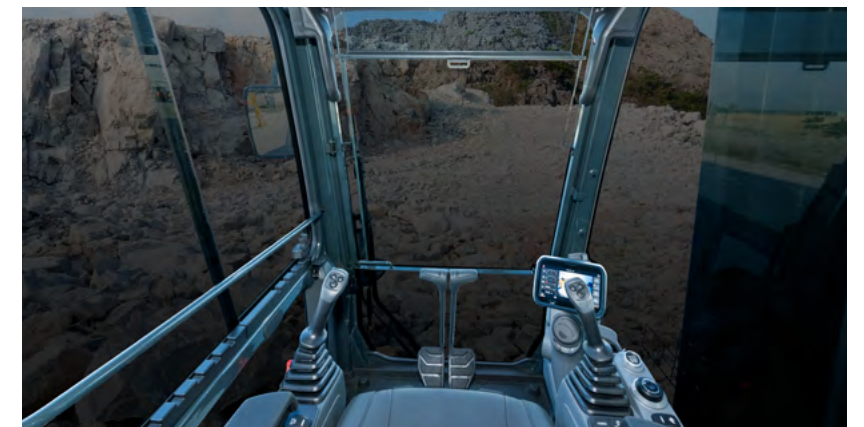
HYUNDAI SMART KEY

We bring automotive standards and comfort to construction machinery

- Search function
- Coming/leaving home light function
- Remote door opening
- Keyless engine start

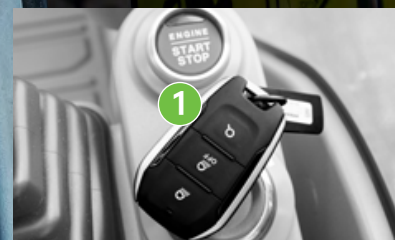
ERGONOMICALLY DESIGNED PEDALS

Ergonomically designed travel pedals placed in the middle. Pedal angle adjusted to relieve pressure on ankle and joints, reducing fatigue and lightening the operator's load.



COMFORTABLE OPERATION

The ergonomic controls and the easy-to-view color monitor place the machine firmly in your hands.



1. HYUNDAI Smart Key
2. Shear buttons
3. Breaker/booster button
4. Starter switch (Start/Stop button)
5. Engine speed control dial
6. Travel speed selector switch
7. Light switch
8. Cab work light switch
9. After-treatment system switch
10. Bluetooth control panel
11. Air conditioning and heating control panel

* Photo may include optional equipment.

DYNAMIC POWER MANAGEMENT

- Automatic travel speed range selection (slow/fast)
- A one-touch deceleration button immediately reduces engine speed to low idle
- Auto-idling starts 4 seconds (adjustable) after all controls are returned to neutral – reducing fuel consumption and noise levels in the cab



"BREAKER ASSIST" MODE

During boom down operation, the boom moves down freely under its own weight. The result is reduced shock and vibration and longer breaker service life

EXPERT FINGERTIP CONTROL

- The new multi-function 8" touchscreen displays all useful information in a visual and intuitive format
- At a glance, you can check the machine's status and settings to achieve optimal efficiency
- HYUNDAI's unique jog shuttle switch gives you easy and precise control over all machine functions
- Highly sensitive and low-effort joysticks enable you to work safely, smoothly and confidently
- The proportional thumb switches on the joysticks can be mounted horizontally or vertically, as the operator prefers, for optimal control of hydraulic attachments for optimal control of hydraulic attachments

4 WORK MODES AND 4 POWER MODES + BOOM / SWING PRIORITY CONTROL

Delivers the needed power according to your specific application while minimizing fuel consumption:

- 1-way mode, 2-way mode, digging mode and lifting mode
- Power plus mode, power mode, standard mode, economy mode
- Boom / swing priority control allows you to control operating modes with just 1 button – resulting in more comfortable and productive operation optimized for various work environments

BOOM PRIORITY MODE

Hydraulic Power



Boom cylinder



Swing device

90°

SWING PRIORITY MODE

Hydraulic Power



180°



Boom cylinder



Swing device

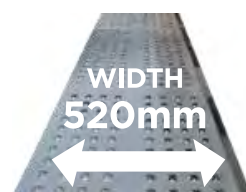
HX1000A_L

SIMPLE MAINTENANCE



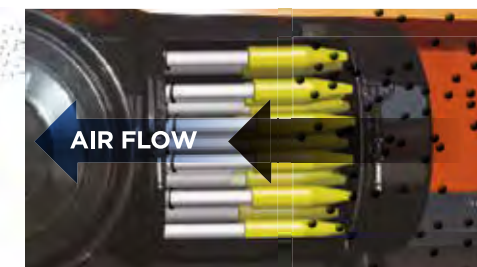
AIR COMPRESSOR

Air gun in your cab helps you keep the environment clean and comfortable.



WIDE CATWALK

Maintenance is made easier with 520 mm catwalk.



HEAVY-DUTY AIR CLEANER

2-stage air cleaner protects engine from dust and contaminating particles – avoids downtime and is easy to maintain.

REVERSIBLE FAN

- Rotating cooling fan in reverse direction is possible.
- Able to blow away dust on radiator and oil cooler easily to save time & effort.

CENTRALIZED FUEL FILTRATION SYSTEM

Water separator, pre-fuel filter and main filter are grouped together to increase engine life and prevent machine failures, making machine inspection or maintenance much easier with one simple access.

ELECTRIC FUEL TRANSFER PUMP (ETP)

Use this switch to easily refill fuel for your machine after its inspection or repair.

AUTO GREASE SYSTEM (AGS)

This new auto grease filling device helps reduce maintenance time significantly and prevents unexpected downtime.

HX1000AL

SPECIFICATIONS

| Engine | |
|---------------------------------------|-------------------------------------|
| Make | Perkins |
| Model | 2806J |
| Number of cylinders | 6 |
| Rated power, gross (hp per SAE J1995) | 629 hp (469 kW) @ 2,000 rpm |
| Max. torque, gross (SAE J1995) | 2,951 Nm (2,177 lbf*ft) @ 1,300 rpm |
| Displacement | 18.1L (1,105 in³) |
| Bore and stroke | 145 mm x 183 mm (5.7 in. x 7.2 in.) |
| Starter | 9.0 kW (24 V, 12 hp) |
| Battery | 2 x 12 V, 200 AH |
| Alternator | 24 V, 115 A |
| Air cleaner | Double elements & precleaner |

| Hydraulics | |
|-----------------------|------------------------------|
| Main pumps | 3 x 523 L/min. (3 x 138 gpm) |
| Pilot pump(Gear pump) | 60 L/min. (15.9 gpm) |

| Working Pressure | |
|-------------------------------|------------------------|
| Boom/arm/bucket (normal mode) | 367 kg/cm² (5,220 psi) |
| Travel | 375 kg/cm² (5,334 psi) |
| Swing | 300 kg/cm² (4,267 psi) |

| Undercarriage | |
|----------------------------------|----|
| Upper rollers (each track) | 3 |
| Lower rollers (each track) | 9 |
| Number of shoes (links per side) | 51 |

| Swing Mechanism | |
|-----------------|-------------------------------|
| Swing speed | 0 - 6.1 rpm |
| Swing torque | 31,850 kgf*m (230,276 lbf*ft) |

| Drive System | |
|--|--------------------------------|
| Travel speed [low – high] | 2.6 – 4.3 km/h (1.6 – 2.7 mph) |
| Traction force, max. (drawbar pull) | 60.6 ton (133,600 lb) |
| Max. gradability (limited by engine lubrication) | 35° (70%) |

| Environment | |
|------------------------------|-----------|
| Sound level (2000/14/EC) | 109 dB(A) |
| Cabin sound level (ISO 6396) | 71 dB(A) |

| Refill Capacities | |
|------------------------------------|------------------------|
| Fuel tank | 1,100 L (290.6 gal) |
| DEF tank | 47 L (12.4 gal.) |
| Cooling system (radiator capacity) | 105.1 L (27.5 gal.) |
| Engine oil (with filler) | 65 L (17.2 gal.) |
| Swing drive (each) | 2 x 8 L (2 x 2.1 gal.) |
| Final drive (each side) | 25 L (6.6 gal) |
| Hydraulic system | 880 L (232 gal) |
| Hydraulic tank | 533 L (141 gal.) |

| Hydraulic Cylinders | |
|---|---|
| Boom (2) bore x rod diameter x stroke | 215 mm x 150 mm x 1,905mm (with 8.40m boom) (8.5 in x 5.9 in x 75.0 in) |
| | 215 mm x 150 mm x 1,910mm (with 7.25m boom) (8.5 in x 5.9 in x 75.2 in) |
| Arm (1) bore x rod diameter x stroke | 240 mm x 170 mm x 2,020 mm (9.4 in x 6.7 in x 79.5 in) |
| Bucket (1) bore x rod diameter x stroke | 210 mm x 145 mm x 1,530mm (with 8.40m boom) (8.3 in x 5.7 in x 60.2 in) |
| | 225 mm x 160 mm x 1,530mm (with 7.25m boom) (8.3 in x 6.3 in x 60.2 in) |

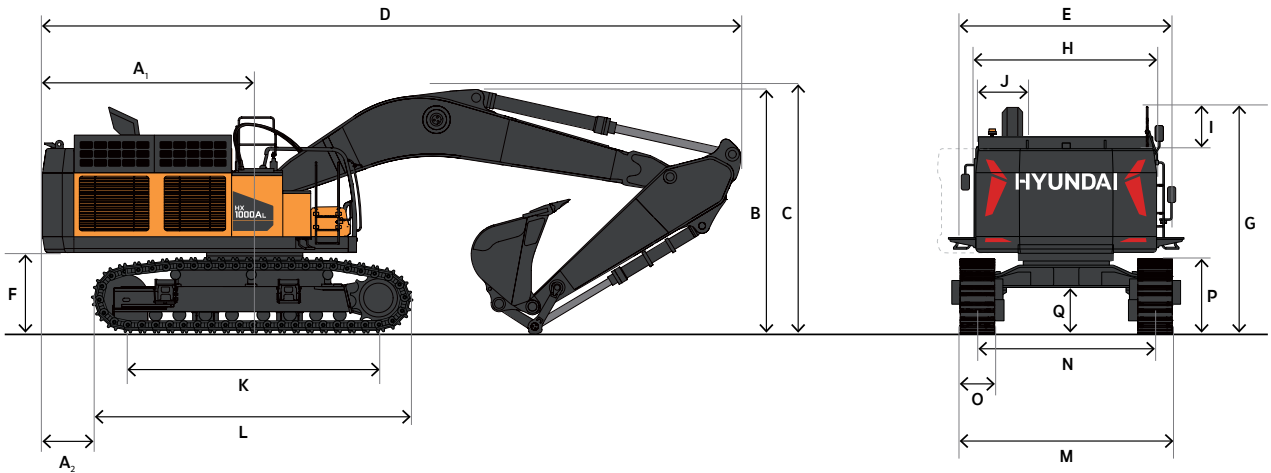
The piston rods and cylinder bodies are made of high-strength steel.
A shock-absorbing mechanism is fitted in all cylinders to ensure shock-free operation and extended piston life.

NOTE: Where applicable, dimensions are in accordance with Society of Automotive Engineers (SAE) and ISO standards. Specifications and design are subject to change without notice. All dimensions are given for HYUNDAI excavators equipped with standard tracks and the standard front as listed. Pictures of HYUNDAI excavators may show other than standard equipment. All dimensions are shown in inches. Respective metric dimensions are enclosed by parentheses. HYUNDAI equipment is manufactured with a Quality Management System that is in compliance with ISO 9001:2008.

HX1000AL

DIMENSIONS

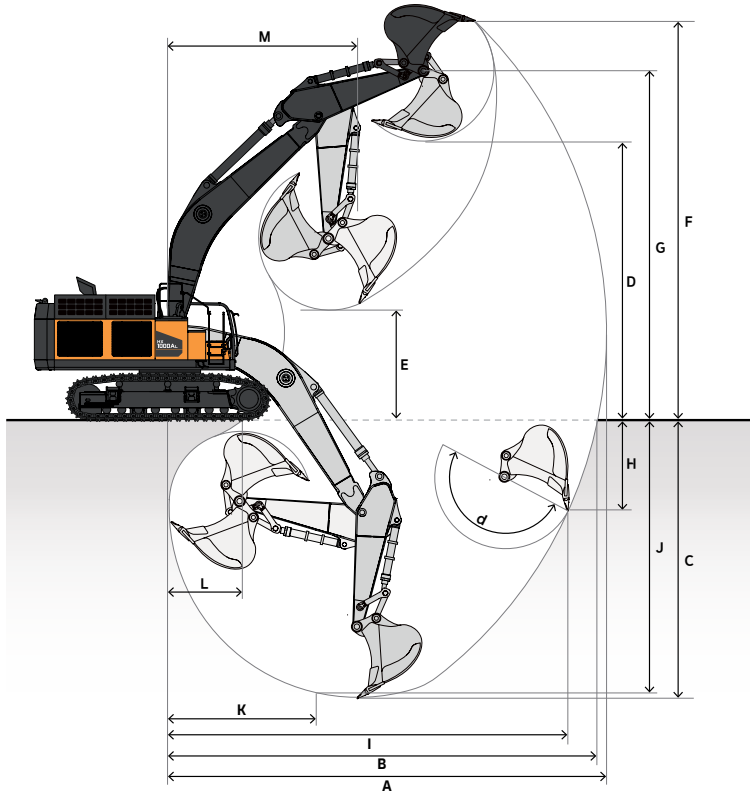
| DIMENSIONS | | | | |
|------------------------------------|------------------|----------------|--------------------|--------------------|
| Boom length | | | 8,400 mm(27' 7") | 7,250 mm (23' 9") |
| Arm length | | | 3,750 mm (12' 4") | 2,900 mm (9' 6") |
| Bucket type (SAE) | | | 5.4 m³ (7.06 yd³) | 6.8 m³ (8.89 yd³) |
| Tail swing radius | | A ₁ | 4,620 mm (15' 2") | |
| Tail swing overhang (rear) | | A ₂ | 1,395 mm (4' 7") | |
| Tail swing overhang (side) | | A ₃ | 2,465 mm (8' 2") | |
| Shipping height (boom) | | B | 5,450 mm (17' 11") | 5,090 mm (16' 8") |
| Shipping height (hose) | | C | 5,550 mm (18' 3") | 5,150 mm (16' 11") |
| Shipping length | | D | 14,550 mm (47' 9") | 13,800 mm (45' 3") |
| Shipping width (without step) | | E | 3,440 mm (11' 4") | |
| Counterweight clearance* | | F | 1,560 mm (5' 1") | |
| Cabin height | | G | 3,615 mm (11' 10") | |
| Upper structure width | without catwalks | H | 3,410 mm (11' 2") | |
| | with catwalks | | 4,450 mm (14' 7") | |
| Cabin height above house | | I | — | |
| Cabin width | | J | 1,010 mm (3' 4") | |
| Tumbler distance | | K | 5,100 mm (16' 9") | |
| Overall track length | | L | 6,341 mm (20' 10") | |
| Undercarriage width (without step) | retracted | M | 3,440 mm (11' 4") | |
| | extended | | 4,200 mm (13' 10") | |
| Undercarriage width (with step) | retracted | | 3,732 mm (12' 3") | |
| | extended | | 4,492 mm (14' 9") | |
| Track gauge (extended) | | N | 3,550 mm (11' 8") | |
| Track shoe width | | O | 650 mm (26") | |
| Track height | | P | 1,350 mm (4' 6") | |
| Ground body clearance* | | Q | 860 mm (2' 10") | |



HX1000AL

WORKING RANGE

| WORKING RANGE | | |
|------------------------------|-----|-------------------------|
| Boom length | | 8,400 mm (27' 7") |
| Arm length | | 3,750 mm (12' 4") |
| Bucket type (SAE, PCSA) | | 5.4 m³ (7.06 yd³) |
| Max. digging reach | A | 14,275 mm (46' 10") |
| Max. digging reach (ground) | B | 14,000 mm (45' 11") |
| Max. digging depth | C | 8,795 mm (28' 10") |
| Max. loading height | D | 9,440 mm (31' 0") |
| Min. loading height | E | 4,210 mm (13' 10") |
| Max. digging height | F | 13,840 mm (45' 5") |
| Max. bucket pin height | G | 11,862 mm (38' 11") |
| Max. vertical wall depth | H | 4,470 mm (14' 8") |
| Max. radius vertical | I | 12,265 mm (40' 3") |
| Max. depth to 8' line | J | 8,665 mm (28' 5") |
| Min. radius to 8' line | K | 5,290 mm (17' 4") |
| Min. digging reach | L | 3,365 mm (11' 0") |
| Min. swing radius | M | 6,295 mm (20' 8") |
| Bucket angle (DEG) | d | 143.8° |
| Digging force, bucket (PCSA) | ISO | 42,960 kgf (94,711 lbf) |
| Digging force, arm | | 36,730 kgf (80,976 lbf) |
| Operating weight | | 98,200 kg (216,494 lb) |
| Ground pressure | | 1.37 kg/cm² (19.5 psi) |



HX1000AL

BUCKET

| TYPE | Capacity, m3(yd3) - SAE | Width, mm(in) | Weight, kg(lb) | 8,400mm Boom | 7,250mm Boom |
|---------|-------------------------|---------------|----------------|--------------|--------------|
| | | | | 3,750mm Arm | 2,900mm Arm |
| S CLASS | 5.4 (7.06) | 1,940 (76) | 5,214 (11,495) | D | A |
| | 6.8 (8.89) | 2,320 (91) | 5,732 (12,637) | - | C |

• S Class (Severe Duty): Designed for mass excavation in high-density, harsh mining and quarry environments. Built with high-strength, abrasion-resistant materials.

- *Capacity based on ISO 10567 and SAE J296, arm length without quick change clamp
- Equipped with bolt-on wear shrouds
 - Equipped with bolt-on teeth
 - Equipped with bolt-on cutting edge
 - These recommendations are given as a guide only and based on typical operating conditions.

Please consult with your HYUNDAI dealer to properly match buckets and attachments for the application.

Maximum Suitable Material Density

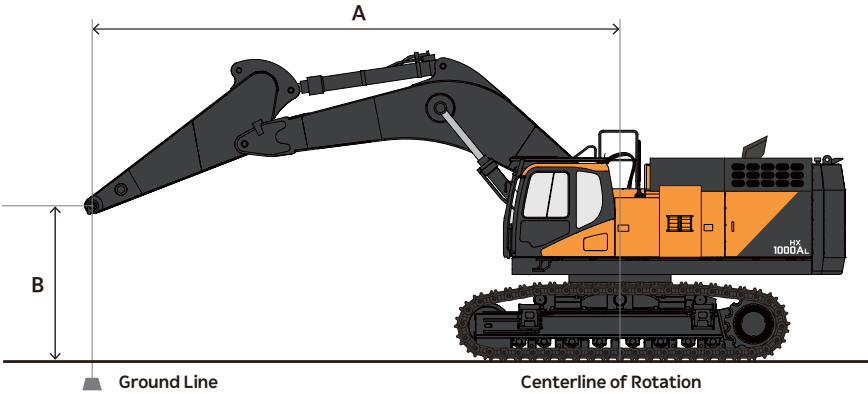
A : Suitable for materials with density of 2,100kg/m³ (3,500lb/yd³) or less

B : Suitable for materials with density of 1,800kg/m³ (3,000lb/yd³) or less

C : Suitable for materials with density of 1,500kg/m³ (2,500lb/yd³) or less

D : Suitable for materials with density of 1,200kg/m³ (2,000lb/yd³) or less













- Not recommendede



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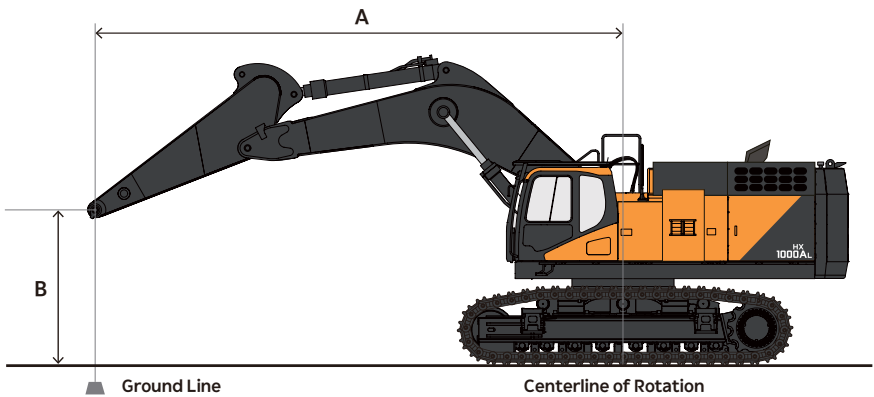
LIFTING CAPACITY

 Rating over-front  Rating over-side or 360 degree

| HX1000AL | | | | | | | | | | | | | | |
|---|----|---|---|---|---|---|---|---|---|---|---|---|---|----------|
| Boom: 8,400 mm (27' 7"), Arm: 3,750 mm (12' 4"), Counterweight: 11,300 kg (24,860 lb.), 900 mm (36") Double Grouser, No Dozer, Bucket: None, Unit: kg (lb.) | | | | | | | | | | | | | | |
| A (ft. or m) | | 15' (4.5 m) | | 20' (6.0 m) | | 25' (7.5 m) | | 30' (9.0 m) | | 35' (10.5 m) | | Max. Reach | | |
| | |  |  |  |  |  |  |  |  |  |  |  |  | A |
| B (ft. or m) | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| 10.5 m | kg | | | | | | | * 15280 | | * 15280 | | * 14660 | | 9.05 m |
| 35' | lb | | | | | | | (* 33690) | | (* 33690) | | (* 32320) | | (29.70') |
| 9.0 m | kg | | | | | | | * 16190 | | * 16190 | | * 13920 | | 10.17 m |
| 30' | lb | | | | | | | (* 35690) | | (* 35690) | | (* 30690) | | (33.36') |
| 9.8ft | kg | | | | | * 18480 | | * 16760 | | * 15770 | | * 13640 | | 10.97 m |
| 25' | lb | | | | | (* 40750) | | (* 36950) | | (* 34770) | | (* 30070) | | (35.98') |
| 8.2ft | kg | | | | | * 20440 | | * 17820 | | * 16200 | | * 13680 | | 11.50 m |
| 20' | lb | | | | | (* 45060) | | (* 39280) | | (* 35710) | | (* 30160) | | (37.75') |
| 6.6ft | kg | | | | | * 22680 | | * 19100 | | * 16870 | | * 14010 | | 11.83 m |
| 15' | lb | | | | | (* 50010) | | (* 42110) | | (* 37200) | | (* 30880) | | (38.80') |
| 4.9ft | kg | | | | | * 24720 | | * 20340 | | * 17570 | | * 14640 | | 11.95 m |
| 10' | lb | | | | | (* 54500) | | (* 44840) | | (* 38730) | | (* 32270) | | (39.21') |
| 3.3ft | kg | | | | | * 26100 | | * 21270 | | * 18090 | | * 15630 | | 11.88 m |
| 5' | lb | | | | | (* 57540) | | (* 46890) | | (* 39880) | | (* 34450) | | (38.98') |
| Ground Level | kg | | | | | * 26600 | | * 21680 | | * 18230 | | * 16090 | | 11.62 m |
| | lb | | | | | (* 58650) | | (* 47800) | | (* 40200) | | (* 35460) | | (38.11') |
| -1.5 m | kg | | | * 32780 | | * 26180 | | * 21410 | | * 17760 | | * 16240 | | 11.14 m |
| -5' | lb | | | (* 72260) | | (* 57710) | | (* 47200) | | (* 39150) | | (* 35800) | | (36.55') |
| -3.0 m | kg | * 37670 | | * 30520 | | * 24730 | | * 20200 | | | | * 16260 | | 10.42 m |
| -10' | lb | (* 83060) | | (* 67280) | | (* 54530) | | (* 44530) | | | | (* 35850) | | (34.19') |
| -4.5 m | kg | * 32730 | | * 26910 | | * 21930 | | * 17380 | | | | * 15960 | | 9.41 m |
| -15' | lb | (* 72150) | | (* 59330) | | (* 48350) | | (* 38320) | | | | (* 35180) | | (30.88') |
| -6.0 m | kg | | | * 21140 | | * 16600 | | | | | | * 14760 | | 7.98 m |
| -20' | lb | | | (* 46610) | | (* 36590) | | | | | | (* 32550) | | (26.19') |

A Distance from center of rotation
B Height











NOTE: Lifting capacities are in compliance with SAE 1097 and ISO 10567. Machine in lifting mode with power boost turned on. Load point is the end of the arm. Rated loads shown do not exceed 75% of minimum tipping loads or 87% of hydraulic capacities. Rated loads marked with an asterisk (*) are limited by hydraulic capacities. The least stable position is over the side. The total mass of machine includes the mass of the boom, arm, counterweight, all operating fluids and 165 lb. (75 kg) operator.



HX1000AL

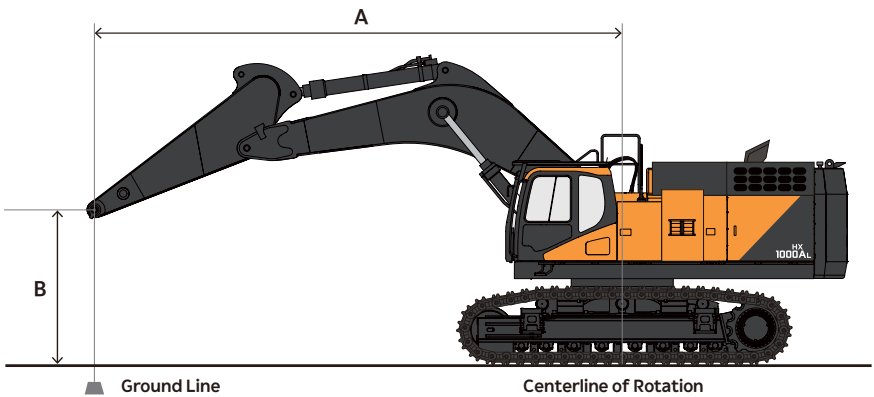
LIFTING CAPACITY

 Rating over-front  Rating over-side or 360 degree

| HX1000AL | | | | | | | | | | | | |
|--|----|---|---|---|---|---|---|---|---|---|---|-----------|
| Boom: 7,250 mm (23' 9"), Arm: 2,900 mm (9' 6"), Counterweight: 11,300 kg (24,860 lb.), 900 mm (36") Double Grouser, No Dozer, Bucket: None, Unit: kg (lb.) | | | | | | | | | | | | |
| A (ft. or m) B (ft. or m) | | 4.5 m (15') | | 6.0 m (20') | | 7.5 m (25') | | 9.0 m (30') | | Max. Reach | | |
| | |  |  |  |  |  |  |  |  |  |  | A |
| 10.5 m | kg | | | | | | | | | * 43780 | * 43780 | 20.99' |
| 35' | lb | | | | | | | | | (* 19860) | (* 19860) | (6.40 m) |
| 9.0 m | kg | | | | | * 46570 | * 46570 | | | * 39360 | * 39360 | 25.93' |
| 30' | lb | | | | | (* 21120) | (* 21120) | | | (* 17850) | (* 17850) | (7.90 m) |
| 9.8ft | kg | | | | | * 47040 | * 47040 | | | * 37570 | * 37570 | 29.23' |
| 25' | lb | | | | | (* 21340) | (* 21340) | | | (* 17040) | (* 17040) | (8.91 m) |
| 8.2ft | kg | | | * 26700 | * 26700 | * 50180 | * 50180 | * 45440 | * 45440 | * 37210 | * 37210 | 31.39' |
| 20' | lb | | | (* 58870) | (* 58870) | (* 22760) | (* 22760) | (* 20610) | (* 20610) | (* 16880) | (* 16880) | (9.57 m) |
| 6.6ft | kg | | | * 30640 | * 30640 | * 54530 | * 54530 | * 47320 | 44400 | * 37940 | * 37730 | 32.67' |
| 15 | lb | | | (* 67560) | (* 67560) | (* 24730) | (* 24730) | (* 21460) | -20140 | (* 17210) | -17110 | (9.96 m) |
| 4.9ft | kg | | | * 34080 | * 34080 | * 58720 | 56260 | * 49410 | 43040 | * 39750 | 36120 | 33.15' |
| 10' | lb | | | (* 75130) | (* 75130) | (* 26640) | -25520 | (* 22410) | -19520 | (* 18030) | -16380 | (10.10 m) |
| 3.3ft | kg | | | * 79020 | 75140 | * 61510 | 54350 | * 50790 | 41910 | * 42890 | 35950 | 32.88' |
| 5' | lb | | | (* 35840) | -34080 | (* 27900) | -24650 | (* 23040) | -19010 | (* 19460) | -16310 | (10.02 m) |
| Ground Level | kg | | | * 78850 | 73900 | * 62030 | 53250 | * 50560 | 41260 | * 45810 | 37280 | 31.84' |
| | lb | | | (* 35770) | -33520 | (* 28140) | -24160 | (* 22930) | -18720 | (* 20780) | -16910 | (9.70 m) |
| -1.5 m | kg | * 43150 | * 43150 | * 75010 | 73820 | * 59610 | 53010 | * 47190 | 41350 | * 46020 | 40640 | 29.94' |
| -5' | lb | (* 95130) | (* 95130) | (* 34030) | -33480 | (* 27040) | -24050 | (* 21400) | -18750 | (* 20870) | -18430 | (9.13 m) |
| -3.0 m | kg | * 37880 | * 37880 | * 66940 | * 66940 | * 52700 | * 52700 | | | * 45320 | * 45320 | 27.00' |
| -10' | lb | (* 83510) | (* 83510) | (* 30360) | (* 30360) | (* 23900) | (* 23900) | | | (* 20560) | (* 20560) | (8.23 m) |
| -4.5 m | kg | * 29390 | * 29390 | * 51600 | * 51600 | | | | | * 41910 | * 41910 | 22.61' |
| -15' | lb | (* 64800) | (* 64800) | (* 23410) | (* 23410) | | | | | (* 19010) | (* 19010) | (6.89 m) |

A Distance from center of rotation
B Height

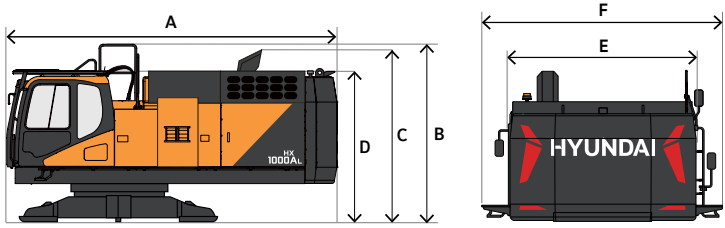
NOTE: Lifting capacities are in compliance with SAE 1097 and ISO 10567. Machine in lifting mode with power boost turned on. Load point is the end of the arm. Rated loads shown do not exceed 75% of minimum tipping loads or 87% of hydraulic capacities. Rated loads marked with an asterisk (*) are limited by hydraulic capacities. The least stable position is over the side. The total mass of machine includes the mass of the boom, arm, counterweight, all operating fluids and 165 lb. (75 kg) operator.



HX1000AL

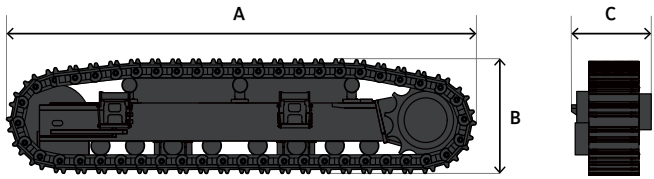
TRANSPORTATION

UPPER STRUCTURE (WITHOUT COUNTERWEIGHT)



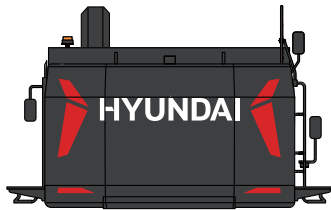
| | | |
|---------------------------|---|-----------|
| Length | A | 6,282 mm |
| Height (top of guardrail) | B | 3,280 mm |
| Height (top of muffler) | C | 3,215 mm |
| Height (top of cab) | D | 2,720 mm |
| Width (without walkways) | E | 3,410 mm |
| Width (with walkways) | F | 4,450 mm |
| Weight | | 32,870 kg |

UNDERCARRIAGE



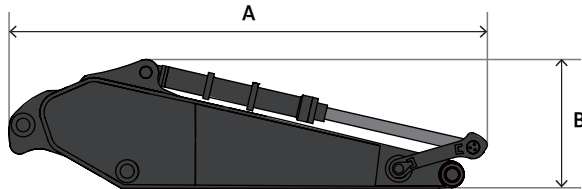
| | | |
|--------------------|---|-----------|
| Length | A | 6,341 mm |
| Height | B | 1,452 mm |
| Width (with steps) | C | 1,186 mm |
| Weight | | 14,150 kg |

COUNTERWEIGHT



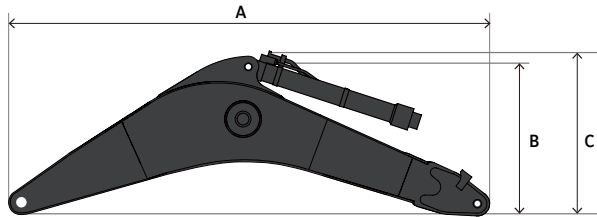
| | STD | Removal Opt. |
|--------|-----------|--------------|
| Length | 4,450 mm | 4,450 mm |
| Height | 716 mm | 675 mm |
| Width | 2,119 mm | 1,968 mm |
| Weight | 12,700 kg | 11,300 kg |

ARM



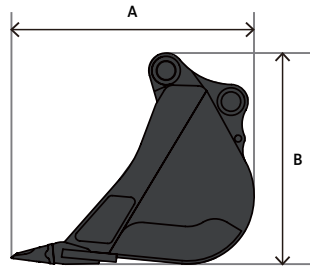
| | | 3.75 m | 2.9 m |
|--------|---|----------|----------|
| Length | A | 5,305 mm | 4,490 mm |
| Height | B | 1,730 mm | 1,500 mm |
| Width | | 820 mm | 820 mm |
| Weight | | 5,825 kg | 5,590 kg |

BOOM



| | | 8.4 m | 7.25 m |
|-----------------------|---|-----------|-----------|
| Length | A | 8,805 mm | 7,640 mm |
| Height (top of boom) | B | 2,220 mm | 2,465 mm |
| Height (top of hoses) | C | 2,340 mm | 2,610 mm |
| Width | | 1,340 mm | 1,340 mm |
| Weight | | 10,740 kg | 10,230 kg |

BUCKET



| | | 5.4 m³ | 6.8 m³ |
|--------|---|----------|----------|
| Length | A | 2,750 mm | 2,750 mm |
| Height | B | 2,350 mm | 2,350 mm |
| Width | | 1,940 mm | 2,320 mm |
| Weight | | 5,214 kg | 5,732 kg |

HX1000AL

STANDARD & OPTIONAL EQUIPMENT

● : Standard / ○ : Option

ENGINE

| | |
|---|---|
| Stage V compliant | ● |
| Turbo, waste gate (WGT) | ● |
| Air-to-air intercooler | ● |
| Selective catalyst reduction (SCR) | ● |
| Diesel oxidation catalyst (DOC) | ● |
| Diesel particulate filter (DPF) | ● |
| Three-stage air cleaner (cyclonic pre-filter & 2 filter elements) | ● |

HYDRAULIC

| | |
|--|---|
| Pilot-operated control valves | ● |
| Pattern control change valve | ○ |
| Removable counterweight system | ○ |
| Variable-speed hydraulic cooling fan | ● |
| Axial piston swing motors | ● |
| Auxiliary hydraulics, one- & two-way piping with pedal | ○ |
| Auxiliary hydraulics, rotate piping | ○ |
| Quick coupler piping | ○ |
| Adjustable auxiliary flow & pressure, 5 presets | ○ |
| Intelligent floating boom | ● |
| Breaker return filter | ○ |
| Boom & arm lock valves | ● |
| Boom & arm flow regeneration | ● |
| Straight travel | ○ |

CONTROLS

| | |
|--|---|
| Proportional control for auxiliary hydraulics, roll switch on both joysticks | ○ |
| Auto idle control system, one-touch deceleration button on joystick | ● |
| Engine speed control dial | ● |
| Advanced mechatronics with power mode control system | ● |
| Power modes (P+, P, S, E) | ● |
| Work modes (excavating, lifting, breaker, shear) | ● |
| Jog dial display control | ● |
| Electronic Power Optimizing System (EPOS) | ● |
| Cross-sensing pump control | ● |

CABIN

| | |
|--|---|
| Steel, all-weather & sound-suppressed | ● |
| Vandalism guard hooks | ○ |
| Cabsus mount | ● |
| Front window with wiper/washer | ● |
| Tinted safety glass | ● |
| Skylight top hatch with sun screen | ● |
| Pull-up type top front window | ● |
| Removable lower front window with storage behind seat | ● |
| Adjustable sliding side door window | ● |
| Defrost, front window | ● |
| Seat - Heated - Air suspension - 2" (51 mm) seat belt - Adjustable height & recline - Adjustable fore/aft - Adjustable armrests - Adjustable lumbar | ● |
| Heating & Cooling seat | ○ |
| Fully automatic HVAC with ambient temperature sensor | ● |
| 8" multi-function LCD interactive display monitor | ● |
| Digital Bluetooth® audio broadcasting MP3 radio with cell phone integration - Audio control panel on/off switch - Control volume - Channel select | ● |
| Antenna, roof-mounted | ● |
| Cup holder | ● |
| Shoe case | ● |
| Coat hanger | ● |
| Rain shield | ○ |
| Fog guard | ○ |
| Front window guard | ○ |

ELECTRICAL

| | |
|---|---|
| System voltage – 24 V | ● |
| Alternator – 24 V, 115 amp | ● |
| 2 x 12 V batteries, 200 AH reserve capacity | ● |
| Main circuit breaker | ● |
| Power sockets – 12 V | ○ |
| Electrical remote box with spare fuses & spare relays | ● |
| LED lights: machine (3), boom (2), cabin(2) | ● |
| Cabin light (LED) : 6 | ○ |
| Rotating beacon | ● |
| Overload warning alarm | ○ |
| Hour meter | ● |
| Engine restart prevention system | ● |
| Side view & rear view camera | ○ |
| 360° all-around view camera | ○ |
| Laptop service port | ● |
| Self-diagnostics system | ● |
| Smart key | ● |
| Emergency stop switch | ● |
| Swing alarm | ○ |
| Travel alarm | ○ |
| Lower window wiper | ○ |
| HYUNDAI Fleet Management | ○ |

UNDERCARRIAGE

| | |
|--------------------------------------|---|
| Track guards & chains with adjusters | ● |
| Track rollers, upper | ● |
| Track rollers, lower | ● |
| Shoes, double grouser – 650 mm | ● |
| Shoes, double grouser – 750 mm | ○ |
| Shoes, double grouser – 900 mm | ○ |

OTHER

| | |
|--|---|
| Automatic lubrication | ○ |
| Handrails & service platforms | ● |
| Skid-resistant steps & service platforms, upper deck | ● |
| HYUNDAI Fleet Management 3-year subscription | ○ |
| Air compressor | ○ |

* Standard and optional equipment may vary. Contact your Hyundai dealer for more information. The machine may vary according to International standards.

* The photos may include attachments and optional equipment that are not available in your area.

* Materials and specifications are subject to change without advance notice.

* All imperial measurements rounded off to the nearest pound or inch.