

KOBELCO®

ED150 ACERA®

BLADE RUNNER™



Operating Weight
35,900 lbs (16,300 kg)

Net Horsepower
94 hp @ 2,000 rpm
(70.1 kW @ 2,000 rpm)

Max Digging Depth
19' 1" (5.82 m)

Bucket Capacity
.44 to .88 cu yd
(.34 to .67 m³)

Bucket Breakout Force
(SAE) 19,000 lbf (84.5 kN)
(ISO) 21,357 lbf (95.0 kN)

ED150 ACERA® BLADE RUNNER™

DUAL PURPOSE FROM THE START!

KOBELCO designed the *Blade Runner* with productivity in mind, integrating both excavator and dozer technology into a single product. If your applications are restricted by space, transportation size, or you just want the most productive piece of equipment you can buy, the New ED150 Blade Runner is your best choice.

In addition to delivering - leading bucket breakout and drawbar pull forces, the ED150 offers smooth, progressive control with our Intelligent Total Control System (ITCS). 6-Way dozing capability is standard with our Power, Angle and Tilt technology (PAT). KOBELCO's exclusive Integrated **INDR®** (*Integrated Noise and Dust Reduction*) system achieves a break-through in low operating noise and efficient systems cooling.

Proven MITSUBISHI Engine Performance

The ED150 delivers leading performance with proven Mitsubishi engine technology. Cranking out 94hp and 508 lb-ft of torque, the ED150 Blade Runner has power to out-dig, out-cycle, out-dump and out-doze the competition.

- Tier III certified 259 cu. in., 4-cylinder, turbo-charged diesel engine
- 94 Net (SAE) engine horsepower @ 2,000 rpm
- 508 lb-ft of engine torque @ 2,000 rpm
- 32,600 lbs. of Drawbar Pull Force
- 9% increase in operating system hydraulic flow

Heavy-Duty Components

- Long X-frame delivers enhanced stability and superior balance
- Durable Boom and Arm (with rock guard) are standard
- Rollers, sprockets and travel motors are sealed for long life
- Robust lift cylinders ensure maximum rated capacity
- Pumps, valves and piping are optimized for maximum efficiency
- Flanged Steel bucket bushing delivers long life

Innovative/Integrated Design

- **INDR** efficiently manages incoming and outgoing air to attain low noise levels, superior system cooling and maximum particulate filtration
- Short Radius platform is ideal for working in tight spaces
- Ergonomically designed cab offers personalized comfort settings
- Integrated counter weight design blends into the overall upper-body structure, providing balance, beauty and minimal tail-swing overhang



A separate swing-out door eliminates the need to remove the pre-screen when checking only the two-stage engine air filter.

Long Life pre-filter screen can be easily removed for routine cleaning and reinstallation.

Battery access is also provided.



Tier III certified 259 cu. in., 4-cylinder, turbo-charged Mitsubishi diesel engine cranks out 94 hp Net (SAE).



FUTURE NOISE REDUCTION TECHNOLOGY IS HERE!

Kobelco's **INDR®** (*Integrated Noise and Dust Reduction*)

system is a unique design that provides:

- Superior air filtration
- Long engine air filter life
- Excellent engine and hydraulic system cooling
- Integrated counter weight design



INDR X-Ray View below demonstrates this activity

Advanced air-flow technology draws cool outside air (Blue arrows) through vents that are integrated into the overall excavator structure.

A pre-filter screen traps particulates larger than 1mm before the incoming air reaches the two-stage engine air filter. High volume air proceeds to cool the radiator, hydraulic oil cooler, turbo intercooler and entire engine compartment before exhausting through the upper rear vents of the excavator (Green arrows).

Engine exhaust emissions exit through the muffler tail pipe away from the excavator.

The **INDR** system is designed to provide premium air filtration and excellent engine cooling while reducing noise emissions by up to 5 dBA, making the ED150 as quiet as many compact excavators.

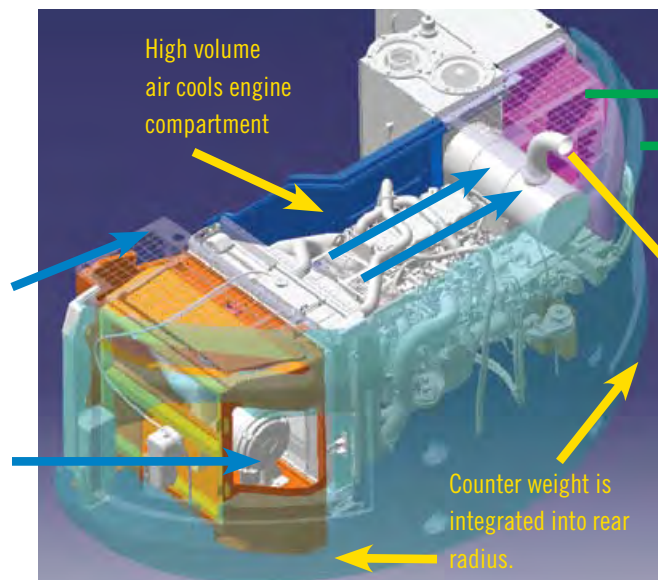
INDR makes the ED150 BLADE RUNNER the excavator of choice for working in space-restricted environments that require minimal noise disruption.

INDR X-RAY VIEW

INDR cleans and quiets incoming air, reduces exhaust noise and delivers optimum cooling.

Incoming air enters upper intake ducts before encountering a pre-screen filter.

Clean, pre-filtered air is supplied to the 2-stage engine air filter.



Engine compartment cooling air exits up and away from the excavator.

Engine exhaust exits through muffler tailpipe away from the excavator.

The enclosed counter weight structure also provides protection and sound reduction for the tandem in-line hydraulic pumps.

Hydraulic hoses, pilot filter and engine mounts are also accessible.





The INDR system is completely integrated into the rear radius of the ED150. This optimizes functionality while providing balance and beauty.

PERSONALIZE YOUR LEVEL OF COMFORT

At Kobelco, we put you, the operator — first. We know you can't perform at your best if you're not comfortable. That's why Kobelco has gone to the extremes to ensure that our cabs deliver maximum personal comfort, easy to monitor system performance and a clear view of the job site.

A Cab Designed Around You

- Full-size cab provides over 30% wider entry/exit room than prior model
- 7-way adjustable seat lets you personalize the level of comfort
- Key controls are located on the right-side console for easy access
- Programmable climate-control system ensures year-round comfort
- AM/FM stereo with dual speakers lets you enjoy your favorite programs
- 24 volt and 12 volt converters for charging cell phones and accessories
- Storage area is located behind operator's seat

Clear Job-Site Visibility

- Kobelco cabs provide clear visibility with minimal obstructions
- Large tinted glass panels provide an excellent view of the work station
- Operator is positioned for maximum visibility of all functions and controls
- Moveable front, top and side glass panels provide cross-flow ventilation

Easy-to-Read Instruments

- New Monitor includes work mode selector switch, fuel and temperature gauges, and an Orange backlit multi-display with large sun shade
- Self-diagnostics with fault code memory makes it easy to monitor and adjust system pressures, engine speed, travel speed and other functions
- Warning screens and audible alarms alert you to temperature and pressure status
- Establish and review service interval reminders for engine oil, hydraulic oil, fuel and filters

Personal Climate Control

- High efficiency/high output air conditioning & heating system
- Program a temperature between 61 and 91 degrees F (18 to 32 C) for year-round convenience and comfort
- Four fan speeds and LCD display let you monitor your environment
- Redesigned vents circulate air around the operator's compartment for exceptional air flow dynamics



The durable, cushioned operator seat adjusts seven ways to maximize operator comfort.



Spacious dimensions, thoughtful placement of key operating controls and an unrivaled view make the Kobelco cab a comfortable and productive place to work.



A personal climate control console includes an LCD display and controls for the high-output air conditioning and heating system and the four-speed fan. Just program a temperature between 61 and 91 degrees F (18 to 32 C) for optimum comfort any time of the year.



The Power mode system provides four power modes to match your work operations. The monitor features a large sunshade and orange back-lit screen for easy daytime viewing.

INTEGRATED POWER & CONTROL

The ED150 BLADE RUNNER hydraulic compartment offers easy ground-level access to the extremely quiet, tandem in-line hydraulic pumps. Our **ITCS™** (*Intelligent Total Control System*) efficiently maximizes both engine and hydraulic performance to give you ground breaking power and smooth, progressive operational control.

ITCS™ (*Intelligent Total Control System*)

ITCS integrates communication and execution between the engine, hydraulics and electronics for superior operational control. ITCS:

- Recognizes your moves and assists by providing progressive power, where and when it's needed, so you stay in control.
- Provides smooth, even movement required for fine grading and leveling
- Auto-Accel smoothly increases engine rpms and hydraulic flow in direct proportion to the operator's movement of the control levers. This results in even, deliberate acceleration for precise applications.
- Auto-Decel reduces engine rpms after 4 seconds of operator inactivity, extending engine life and reducing fuel cost. (Time-delay is adjustable).

With ITCS you get earth breaking performance and smooth control for fine leveling and grading.

Power Mode Selection

The ED150 Blade Runner provides four work modes:

- **H Mode** Heavy-duty excavation work, gives priority to the workload at high speed (default mode)
- **S Mode** Standard digging and loading work, provides fuel savings
- **B Mode** Breaker work (1-way hydraulic flow)
- **A Mode** Demolition work with crusher/nibbler-breaker (2-way/ 2 pump flow)

Changing modes is fast and easily viewable on the Orange, back-lit display.

Auto Warm-up System

Kobelco's "hands-off" engine and hydraulic warm-up system automatically warms the hydraulic circuit to an optimum 126 degrees (F) and kicks-in whenever ambient temperatures drop below 50 degrees (F). This feature maximizes system efficiency so you can be more productive.

Smooth, Powerful Hydraulics

Kobelco performance features are unmatched by the competition.

- Independent Travel circuit provides dedicated flow for excavator travel
- Swing priority dedicates power for trenching operations
- Boom and arm holding valves minimize drift for accurate positioning
- Standard high-flow valve can be switched between one-pump flow to two-pump flow from inside the cab
- Hydraulic flow has been increased by 9% to improve overall performance

Easy Maintenance & Servicing

The ED150 provides ground-level access to:

- INDR pre-filter for cleaning with low pressure air or water
- Side-by-side radiator, oil cooler and intercooler
- Hydraulic pumps, tank, valves, hoses and filters
- Batteries, air filter, back-up alarm and other connections

Designed with Attachments in Mind

Kobelco doesn't just design excavators; we design excavators for use with attachments on the jobsite.

- High-output hydraulic system is adjustable from inside the cab
- Standard one or two-way auxiliary valve makes it easy to install piping and controls for auxiliary hydraulics
- Two auxiliary hydraulic modes permit switching between one-way and two-way hydraulic flow without leaving the cab
- An optional independent flow 'extra' circuit, with dedicated rotary gear pump, provides flow for multi-function attachments that include thumbs or twist buckets

Feel the passion we've built into the new Kobelco ED150 Blade Runner excavator. For productivity, comfort and fine control, see your Kobelco dealer today, or use our dealer locator at www.kobelcoamerica.com to find the dealer nearest you.

2-Stage engine air filter and radiator systems are accessible after removal of pre-filter screen.





Swing-out front door panel provides access to valve assembly and hydraulic lines.

Anti-slip step pads and support rail provide secure access to the upper structure.

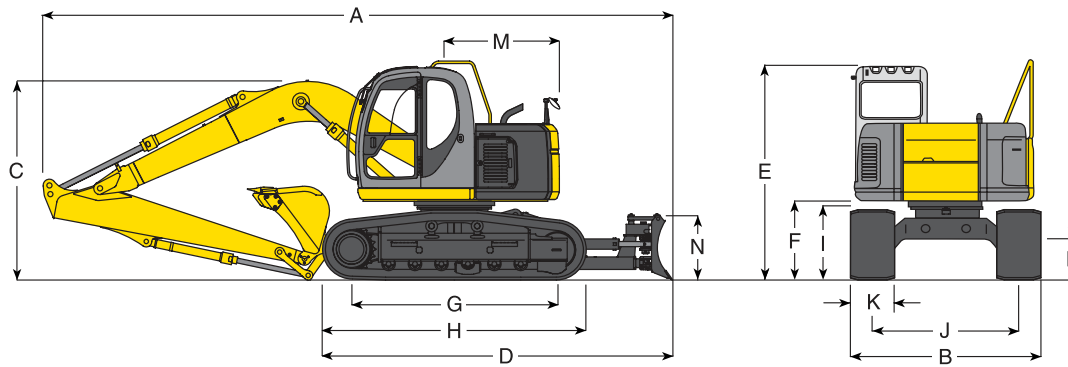


Dual 80 Amp Hr batteries are easy to access and protected by a heavy-duty rubber cover.

Feel the passion we've built into the new Kobelco ED150 Blade Runner excavator. For productivity, comfort and fine control, see your Kobelco dealer today, or use our dealer locator at www.kobelcoamerica.com to find the dealer nearest you.



ED150 DIMENSIONS, WEIGHTS & BUCKET SELECTION CHART



DIMENSIONS

| Standard Arm | | | |
|--------------|------------------------------------|---------|---------|
| ARM LENGTH | ft (m) | 9' 4" | (2.84) |
| BOOM LENGTH | | 15' 5" | (4.72) |
| A | Overall length | 28' 3" | (8.62) |
| B | Overall width (with 600 mm shoe) | 10' 8" | (3.26) |
| C | Overall height (to top of boom) | 10' 1" | (3.08) |
| D | Basic machine length | 15' 8" | (4.77) |
| E | Overall height (to top of cab)* | 9' 10" | (2.99) |
| F | Ground clearance of rear end* | 3' 4" | (1.01) |
| G | Center distance of tumblers | 9' 2" | (2.80) |
| H | Overall length of crawler | 11' 10" | (3.60) |
| I | Crawler height at tumbler center* | 3' 1" | (0.95) |
| J | Track gauge | 6' 6" | (1.99) |
| K | Width of crawler shoe | 2' 0" | (0.60) |
| L | Ground clearance of undercarriage* | 1' 6" | (0.455) |
| M | Tail swing radius | 4' 11" | (1.49) |
| N | Height of blade | 2' 8" | (.815) |

* Excludes height of grouser bar

WEIGHTS

ED150 with 9'4" (2.84 m) std. HD arm, and bucket weighing 740 lbs (335 kg)

| | | | |
|---------------------|-----------|--------|----------|
| Bucket Weight | lb (kg) | 740 | (335) |
| Ground pressure | psi (kPa) | 6.24 | (43) |
| Base machine weight | lb (kg) | 35,160 | (15,965) |

HYDRAULIC SYSTEM

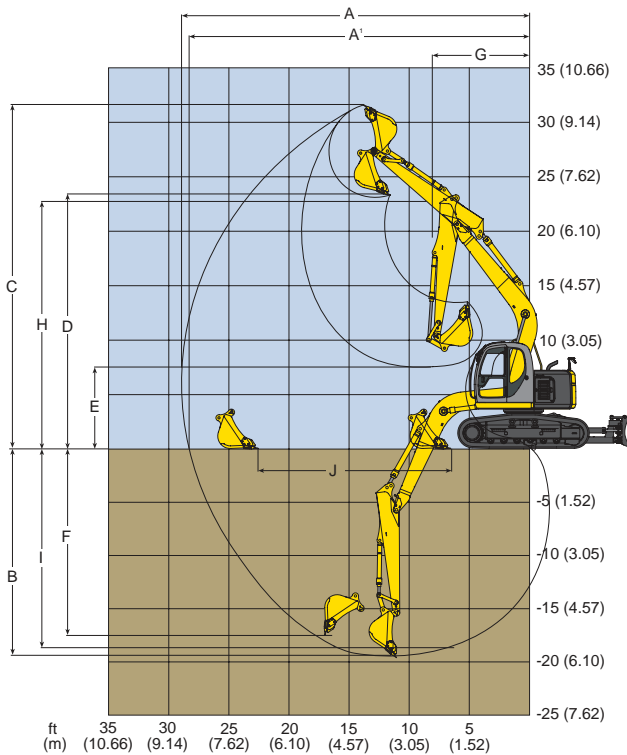
| Pump | | Tandem inline variable displacement 2 VP + 1 FG | |
|------------------------------|--------------------|--|-----------|
| Max. discharge flow | US gal/min (l/min) | 2 x 34.3 | (2 x 130) |
| Pilot pump | US gal/min (l/min) | 1 x 5.3 | (1 x 20) |
| Dozer Blade Circuit | | 1 x 14.5 | (1 x 55) |
| Operating pressure: | | | |
| Implement | psi (MPa) | 4,970 | (34.3) |
| Travel | psi (MPa) | 4,970 | (34.3) |
| Swing | psi (MPa) | 4,060 | (28.0) |
| Heavy lift | psi (MPa) | 5,480 | (37.8) |
| Pilot control circuit | psi (MPa) | 725 | (5.0) |
| Dozer Circuit | psi (MPa) | 3,970 | (27.4) |
| Control valves (directional) | | 8-spool valves | |

BUCKET SELECTION CHART

| Bucket Duty | Capacity (SAE) Cubic Yard (m³) | Width Inches (m) | Bucket Weight lb (kg) | Arm ft-in (m) 9'4" (2.84) |
|-------------|-----------------------------------|---------------------|--------------------------|------------------------------|
| General | .30 (.229) | 18 (.457) | 650 (296) | H |
| | .44 (.336) | 24 (.609) | 720 (327) | H |
| | .58 (.443) | 30 (.762) | 835 (379) | M |
| | .73 (.558) | 36 (.914) | 905 (411) | L |
| | .88 (.672) | 42 (1.066) | 1,015 (460) | L |
| Heavy Duty | .30 (.299) | 18 (.457) | 705 (320) | H |
| | .44 (.336) | 24 (.609) | 780 (354) | H |
| | .58 (.443) | 30 (.762) | 900 (408) | M |
| | .73 (.558) | 36 (.914) | 975 (442) | L |
| | .88 (.672) | 42 (1.066) | 1,090 (494) | X |

H - Used with material weight up to 3,000 lbs/cu yd (1,780 kg/m³)
M - Used with material weight up to 2,500 lbs/cu yd (1,483 kg/m³)

L - Used with material weight up to 2,000 lbs/cu yd (1,186 kg/m³)
X - Not recommended



This chart is a graphic representation of the working ranges for the ED150 equipped with a 9' 4" (2.84 m) arm.

SPECIFICATION SUMMARY

GENERAL

| | | | |
|------------------------------------|-------------------------|-----------|-------------|
| Operating weight with Bucket | lb (kg) | 35,900 | (16,300) |
| Bucket capacity range (SAE heaped) | cu yd (m ³) | 0.44-0.88 | (0.34-0.67) |
| Counterweight | lb (kg) | 7,500 | (3,400) |

PERFORMANCE SUMMARY

| | | | |
|-----------------------|---------------|--------|--------|
| Travel speed (turtle) | mph (km/h) | 2.00 | (3.20) |
| Travel speed (rabbit) | mph (km/h) | 4.00 | (6.50) |
| Swing speed | rpm | 11.5 | |
| Gradeability | degrees (%) | 35 | (70) |
| Drawbar pulling force | lb (kN) | 32,600 | (145) |
| Swing Torque | ft-lbs (kN•m) | 27,175 | (38) |

ENGINE

| | | | |
|--------------------|--|-------------|----------------|
| Make and Model | Mitsubishi | D04FR-74kW | |
| Type | Water-cooled, 4-cylinder, 4-cycle direct injection diesel engine with intercooler turbo-charger. | | |
| Displacement | cu in (l) | 259 | (4.25) |
| Bore | in (mm) | 4.02 | (102) |
| Stroke | in (mm) | 5.12 | (130) |
| Fuel tank capacity | gal (l) | 52.8 | (200) |
| Electrical system | volts (amperes) | 24 | (30) |
| Horsepower SAE NET | hp (kW) @ rpm | 94 @ 2,000 | (70.1 @ 2,000) |
| Max. torque | lbf-ft (kN•m) | 508 @ 1,600 | (375 @ 1,600) |

WORKING RANGES

| ARM | ft-in (m) | Standard | 9' 4" (2.84) |
|--|-----------|----------|--------------|
| A Max digging reach | | 28' 10" | (8.78) |
| A' Max digging reach at ground level | | 28' 3" | (8.61) |
| B Max digging depth | | 19' 1" | (5.82) |
| C Max digging height | | 31' 10" | (9.71) |
| D Max dumping clearance | | 23' 10" | (7.26) |
| E Min dumping clearance | | 7' 10" | (2.38) |
| F Max vertical wall digging depth | | 17' 8" | (5.39) |
| G Min front swing radius | | 7' 10" | (2.40) |
| H Height at min front swing radius | | 23' 0" | (7.01) |
| I Digging depth at 8' (2.4 m) level bottom | | 18' 7" | (5.66) |
| J Horiz digging stroke at ground level | | 15' 9" | (4.80) |

Measurements shown are for machines equipped with the 0.5 cu. yd. (0.38 m³) bucket.

BREAKOUT FORCES

| ARM | ft-in (m) | Standard | 9' 4" (2.84) |
|-----------------------|--------------|----------|--------------|
| Arm breakout force | SAE lb (kN) | 12,634 | (56.2) |
| Arm breakout force | ISO lb (kN) | 13,129 | (58.4) |
| Bucket breakout force | SAE lbf (kN) | 19,000 | (84.5) |
| Bucket breakout force | ISO lbf (kN) | 21,357 | (95.0) |

REFILL CAPACITIES

| | | | |
|--|---------|------|--------|
| Fuel tank capacity | gal (l) | 52.8 | (200) |
| Hydraulic oil reservoir | gal (l) | 26 | (98.5) |
| Hydraulic system including oil reservoir | gal (l) | 40 | (140) |
| Cooling system | gal (l) | 3.7 | (14) |
| Lubrication: engine oil | gal (l) | 4.89 | (18.5) |

UNDERCARRIAGE

| | | | |
|---------------------------------|-----------|---------|--------|
| Track overall length | ft-in (m) | 11' 10" | (3.6) |
| Track overall width w/std. shoe | ft-in (m) | 8' 6" | (2.59) |
| Standard track shoe | in (mm) | 23.6 | (600) |
| Ground Clearance-Undercarriage | in (mm) | 1' 6" | (455) |

SHIPPING DIMENSIONS

| | | | |
|--|-----------|--------|--------|
| Overall Excavator Height | ft-in (m) | 10' 1" | (3.08) |
| Machine overall width/dozer wings folded | ft-in (m) | 8' 6" | (2.59) |
| Machine overall width/dozer wings expanded | ft-in (m) | 10' 8" | (3.26) |
| Length | ft-in (m) | 28' 3" | (8.62) |



ED150 DOZER CAPABILITY



Figure B



Figure C



Figure D

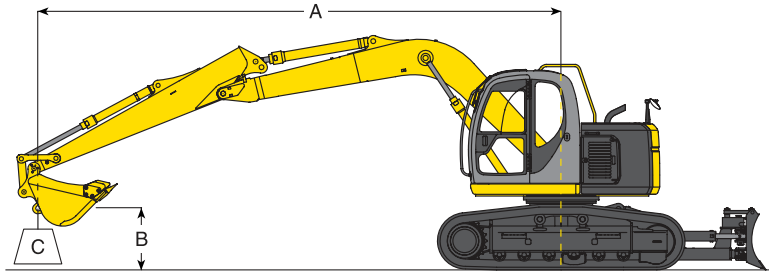


Figure E



Figure F













ED150 LIFT CAPACITIES — 9' 4" Standard Arm















- A** B Bucket hook height above/below ground
C Lifting capacities in pounds and kilograms
- Max discharge pressure: 5,480 psi (385 kg/cm²)
 - Track shoe: 23.6" (600 mm) Triple grouser
 - Boom: 15' 5" (4.72 m)
 - Bucket weight: 740 lbs. (335 kg)

LIFTING CAPACITY — 23.6" (600 mm) triple grouser shoe, with dozer. Based on machine equipped with — Arm: 9'4" (2.84 m)
 Bucket: 0.5 yd³ (0.38 m³) Bucket Weight: (SAE Heaped) 740 lbs. (335 kg) Counter Weight: 7,500 lbs. (3,400 kg)

BLADE DOWN IN FRONT

| A | | LIFT POINT RADIUS | | | | | | | | | | AT MAX. REACH | | |
|------------------|----------|---|---|---|---|---|---|---|---|---|---|---|---|--------------------|
| | | 5' (1.5 m) | | 10' (3.0 m) | | 15' (4.6 m) | | 20' (6.1 m) | | 25' (7.6 m) | | | | |
| B | C |  |  |  |  |  |  |  |  |  |  |  |  | RADIUS |
| 25' (7.6 m) | lb kg | | | | | *4,010 *1,820 | *4,010 *1,820 | | | | | *3,270 *1,480 | *3,270 *1,480 | 15' 7" (4.75 m) |
| 20' (6.1 m) | lb kg | | | | | *5,690 *2,580 | *5,690 *2,580 | *3,510 *1,590 | *3,510 *1,590 | | | *2,740 *1,240 | *2,740 *1,240 | 20' 6" (6.24 m) |
| 15' (4.6 m) | lb kg | | | | | *6,380 *2,890 | *6,380 *2,890 | *6,070 *2,750 | 4,530 2,050 | | | *2,600 *1,170 | *2,600 *1,170 | 23' 3" (7.10 m) |
| 10' (3.0 m) | lb kg | | | *11,070 *5,020 | *11,070 *5,020 | *8,070 *3,660 | 7,030 3,180 | *6,740 *3,060 | 4,300 1,950 | | | *2,650 *1,200 | *2,650 *1,200 | 24' 9" (7.55 m) |
| 5' (1.5 m) | lb kg | | | *16,330 *7,400 | 11,960 5,420 | *10,050 *4,560 | 6,370 2,880 | *7,600 *3,440 | 4,010 1,810 | *3,350 *1,510 | 2,690 1,220 | *2,880 *1,300 | 2,650 1,200 | 25' 2" (7.67 m) |
| Ground Level | lb kg | | | *17,070 *7,740 | 10,990 4,980 | *11,350 *5,140 | 5,880 2,660 | *8,190 *3,710 | 3,770 1,710 | | | *3,350 *1,510 | 2,690 1,220 | 24' 6" (7.47 m) |
| -5' (-1.5 m) | lb kg | *10,720 *4,860 | *10,720 *4,860 | *17,710 *8,030 | 10,790 4,890 | *11,410 *5,170 | 5,660 2,570 | *8,070 *3,660 | 3,650 1,650 | | | *4,270 *1,930 | 3,000 1,360 | 22' 9" (6.93 m) |
| -10' (-3.0 m) | lb kg | *16,550 *7,500 | *16,550 *7,500 | *14,940 *6,770 | 10,970 4,970 | *9,920 *4,500 | 5,710 2,590 | | | | | *6,510 *2,950 | 3,880 1,750 | 19' 6" (5.94 m) |
| -15' (-4.6 m) | lb kg | | | *9,030 *4,090 | *9,030 *4,090 | | | | | | | *6,100 *2,760 | *6,100 *2,760 | 13' 9" (4.20 m) |

BLADE DOWN IN REAR

| A | | LIFT POINT RADIUS | | | | | | | | | | AT MAX. REACH | | |
|------------------|----------|---|---|---|---|---|---|---|---|---|--|---|---|--------------------|
| | | 5' (1.5 m) | | 10' (3.0 m) | | 15' (4.6 m) | | 20' (6.1 m) | | 25' (7.6 m) | | | | |
| B | C |  |  |  |  |  |  |  |  |  |  |  |  | RADIUS |
| 25' (7.6 m) | lb kg | | | | | *4,010 *1,820 | *4,010 *1,820 | | | | | *3,270 *1,480 | *3,270 *1,480 | 15' 7" (4.75 m) |
| 20' (6.1 m) | lb kg | | | | | *5,690 *2,580 | *5,690 *2,580 | *3,510 *1,590 | *3,510 *1,590 | | | *2,740 *1,240 | *2,740 *1,240 | 20' 6" (6.24 m) |
| 15' (4.6 m) | lb kg | | | | | *6,380 *2,890 | *6,380 *2,890 | *6,070 *2,750 | 4,530 2,050 | | | *2,600 *1,170 | *2,600 *1,170 | 23' 3" (7.10 m) |
| 10' (3.0 m) | lb kg | | | *11,070 *5,020 | *11,070 *5,020 | *8,070 *3,660 | 7,030 3,180 | *6,740 *3,060 | 4,300 1,950 | | | *2,650 *1,200 | *2,650 *1,200 | 24' 9" (7.55 m) |
| 5' (1.5 m) | lb kg | | | *16,330 *7,400 | 11,960 5,420 | *10,050 *4,560 | 6,370 2,880 | 7,410 3,360 | 4,010 1,810 | *3,350 *1,510 | 2,690 1,220 | *2,880 *1,300 | 2,650 1,200 | 25' 2" (7.67 m) |
| Ground Level | lb kg | | | *17,070 *7,740 | 10,990 4,980 | 11,100 5,030 | 5,880 2,660 | 7,150 3,240 | 3,770 1,710 | | | *3,350 *1,510 | 2,690 1,220 | 24' 6" (7.47 m) |
| -5' (-1.5 m) | lb kg | *10,720 *4,860 | *10,720 *4,860 | *17,710 *8,030 | 10,790 4,890 | 10,870 4,930 | 5,660 2,570 | 7,030 3,180 | 3,650 1,650 | | | *4,270 *1,930 | 3,000 1,360 | 22' 9" (6.93 m) |
| -10' (-3.0 m) | lb kg | *16,550 *7,500 | *16,550 *7,500 | *14,940 *6,770 | 10,970 4,970 | *9,920 *4,500 | 5,710 2,590 | | | | | *6,510 *2,950 | 3,880 1,750 | 19' 6" (5.94 m) |
| -15' (-4.6 m) | lb kg | | | *9,030 *4,090 | *9,030 *4,090 | | | | | | | *6,100 *2,760 | *6,100 *2,760 | 13' 9" (4.20 m) |



Rating over front



Rating over side / 360 degrees

Notes:

1. Do not attempt to lift or hold any load that exceeds these rated values at their specified load radii and heights. Weight of all accessories must be deducted from the above lifting capacities.
2. Lifting capacities assume a machine standing on a level, firm, and uniform supporting surface. Operator must make allowance for job conditions such as soft or uneven ground, out of level conditions, side loads, sudden stopping of loads, hazardous conditions, inexperienced personnel, weight of various other buckets, lifting slings, attachments, etc.
3. Ratings at bucket lift hook.
4. The above rated loads are in compliance with SAE Hydraulic Excavator Lift Capacity Standard J 1097. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Rated loads marked with an asterisk (*) are limited by hydraulic capacity rather than tipping load.
5. Operator should be fully acquainted with the Operator's and Maintenance Manuals before operating this machine. Rules for safe operation of equipment should be followed at all times.
6. Capacities apply only to the machine as originally manufactured and normally equipped by KOBELCO Construction Machinery America LLC.

STANDARD EQUIPMENT

- AM/FM radio
- Arm, 9' 4" (2.84 m) with rock guard, tapped blocks, breaker ready
- Audible warning system for high coolant temperature, low engine oil pressure, clogged air filter and oil replacement interval
- Auxiliary valve with flow control
- Automatic swing and travel parking brakes
- Automatic engine accel/decel feature
- Automatic engine & hydraulic warm up function
- Belly pan guard
- Boom: 15' 5" (4.72 m)
- Boom and arm holding (anti-drift) valves
- Breaker valve with flow control
- Cab is die formed, modular steel full-vision, sound insulated, with viscous silicon-filled mounts, windshield wiper, heater and defroster, cigarette lighter, ashtray, floor mat, cab light, control lever lock, tinted skylight with damper cylinder
- Climate control air conditioning/heating system
- Counter weight 7,500 lbs (3,400 kg)
- Display monitor mounted on multi-function console provides status of following: aging of engine oil, fuel and hydraulic filters, system status, engine preheat, low engine oil pressure, engine coolant temperature, air cleaner restriction, battery charging, fuel level, CPU error and tachometer. Beneath monitor are switches for auto-decel, windshield washer and wiper, mode selector, one/two pump auxiliary hydraulics and swing flashers
- Dozer Blade - 32" blade height, 6-way adjustment from cab
- Dual element air cleaner
- Exhaust Gas Recirculation (EGR) system
- Electric horn
- Emergency electronic bypass
- Engine shuts down automatically if low oil pressure occurs
- Flanged brass bucket bushing
- Floor mat - removable, washable, replaceable
- Heavy duty batteries (2 x 12 volt 80 AH)
- Hydraulic track adjusters
- Independent travel
- Integrated Noise Reduction System
- Lifetime lubricated track rollers, idlers and sprockets, grease cylinder track adjuster, track link disassembly mechanism, long pitch sealed and strutted track links.
- Long-life attachment bushings.
- Mitsubishi Engine, model D04FR-74kW
- Mode selection:
 - H Mode—Heavy-duty excavation work
 - S Mode—Standard digging and loading work
 - B Mode—Breaker work (1-way flow)
 - A Mode—Demolition work (2-way/2-pump flow)
- Standard-Duty X-Frame undercarriage
- Power outlet, 24 volt to 12 volt converter
- Proportional auto accel system
- Removable cleanout screens for radiator & condensers
- Removable travel levers with toe tabs
- Six (6) track rollers per side
- Self-lubricating bushings in boom foot and boom hoist cylinders
- Service diagnostics:
 - Computer system displays 68 service items and 60 event fault code memory - accessible from cab
- Starting motor (24 v/5.0 KW) 30 amp alternator
- Straight propel travel system
- Storage compartment for manuals
- Suspension seat—7-way adjustable w/ safety belt
- Swing and travel automatic parking brakes
- Swing priority (trenching system) functions automatically
- Swing shockless valve
- Track shoes: 23.6" (600mm) semi-triple curved grouser 23.6 in (600 mm)
- Travel Alarm
- Travel—two speed with automatic shift
- Two lever control for boom, arm, bucket and swing; pilot operated wrist controls and foot pedals
- Warm up function of engine and hydraulic system, functions automatically
- Work lights—three front and two rear

OPTIONAL EQUIPMENT

- Boom and arm load (lock) valves
- Breaker piping and controls
- Buckets (Esco & Hensley)
- Combined one-way or two way auxiliary hydraulic piping (one or two pump) with hand or foot controls
- Control pattern changer (ISO/BHL)
- Hydraulic oil for cold or tropical environments
- Independent low-flow rotation valve w/piping
- Quick Couplers (JRB & Hendrix)
- Rain visor
- Vandalism guards

NOTE: Due to our policy of continual product improvement, all designs and specifications are subject to change without advance notice.

WORLD CLASS PRODUCTS DEMAND WORLD CLASS DEALERS

The purchase of a Kobelco excavator isn't the end, it's the beginning of our relationship together. Consider your local Kobelco dealer as your partner in productivity who will work with you to supply your business needs. Whether you need assistance in selecting the right model for your operation or developing an affordable leasing or financing plan through CNH Capital, your Kobelco dealer can offer you sound advice because he has decades of heavy equipment experience.

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Safety begins with a thorough understanding of the equipment. Always make sure you and your operators read the Operator's Manual before using the equipment. Pay close attention to all safety and operating decals and never operate machinery without all shields, protective devices and structures in place.

