

# HITACHI

## CONSTRUCTION HYDRAULIC EXCAVATOR ZX160LC-7H

Reliable Solutions



**Net Rated Power :** 132 HP (98.6 kW)  
**Operating Weight :** 39,683 lb (18,000 kg)  
**Max Dig Reach at Ground Level :** 30 ft 1 in (9.16 m)  
**Max Dig Depth :** 21 ft 4 in (6.49 m)  
**Model Code :** ZX160LC-7H

# ZAXIS160

Hitachi Construction Machinery Group

## LANDCROS

Japanese Excellence—Reliable Solutions

## A Legacy of Confidence

Known worldwide, Hitachi Construction Machinery has helped generations of builders, doers, and earth-movers accomplish their goals. Hitachi Construction Machinery Americas is the source for all U.S. and Latin American operations hoping to improve productivity and reduce costs — all while building our shared future.

## Pioneering Progress Together

From dedicated Rental and Used machines business to servicing, parts sales, and remote diagnostic support, Hitachi Construction Machinery Americas has the know-how and desire to establish productive working partnerships across the region. A network of independent, local dealers providing sales and service support are at the ready, waiting to begin work on the next phase of your legacy.



**Welcome** to  
**Hitachi Construction**

## Endless Ambition

All of our machines have been built at state-of-the-art Hitachi Construction Machinery production facilities in Japan, after incorporating the unique needs of our North American customers. Designed for the toughest terrains, harshest environments and most intricate projects, we believe there is no job that couldn't make use of our machine.

## Unwavering Dependability

Our dedication to reliability parallels our commitment for your comfort. Safety is non-negotiable; our machines adhere to the highest standards, ensuring your team's well-being. Count on Hitachi Construction Machinery Americas for peace of mind to ensure every team member returns home safely after a hard day's work.



# Machinery Americas



# QUALITY in Action

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**H**itachi Construction Machinery Americas is proud to introduce ZAXIS-7, the next evolution of excavators that proudly wear our name.

At job sites across the world, our partners depend on the latest Hitachi Construction Machinery Americas equipment for increased productivity, improved operator comfort, efficient maintenance needs and innovative safety features proven to keep workers safe.

This brochure is a guide for day-to-day operators as well as fleet owners of this equipment who are hoping to save time, money, to dream big — and build bigger.

Building on decades of quality engineering, Hitachi Construction Machinery Americas presents the ZAXIS-7 lineup, featuring the ZX160LC-7H excavator.





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# MULTIFUNCTION Excavator

**Versatility matters.** Explore how the new ZX160LC-7H delivers better productivity, lower operating costs, and improved operator comfort. Larger next generation cab combined with a modern powertrain and productivity-focused features that unlock a wider range of uses. Major systems have been overhauled from arm to tracks, with special focus on maximizing the number of compatible attachments, ease of coupling, and fuel efficiency.

Because proper maintenance leads to lower total cost of ownership, ZX160LC-7H operators have a number of service and maintenance tools at their disposal, from easy-to-access hatches and inspection points to the remote service tools ConSite Oil (optional) and ConSite Air.

Packed with a smart set of features, ZX160LC-7H arrives from our factory with the build quality and durability you expect.

## Improved Design

Accomplish a wide variety of jobs with a powerful platform proven to perform in varied worksites, then extend the machine's capability as-needed with a range of attachments.



## Class-Leading Hydraulic System

HIOS IV hydraulic system increases fuel efficiency by reducing hydraulic loss during operation, ensuring a responsive boom, arm, and bucket with intuitive, smooth control.

## Reliable & Powerful Engine

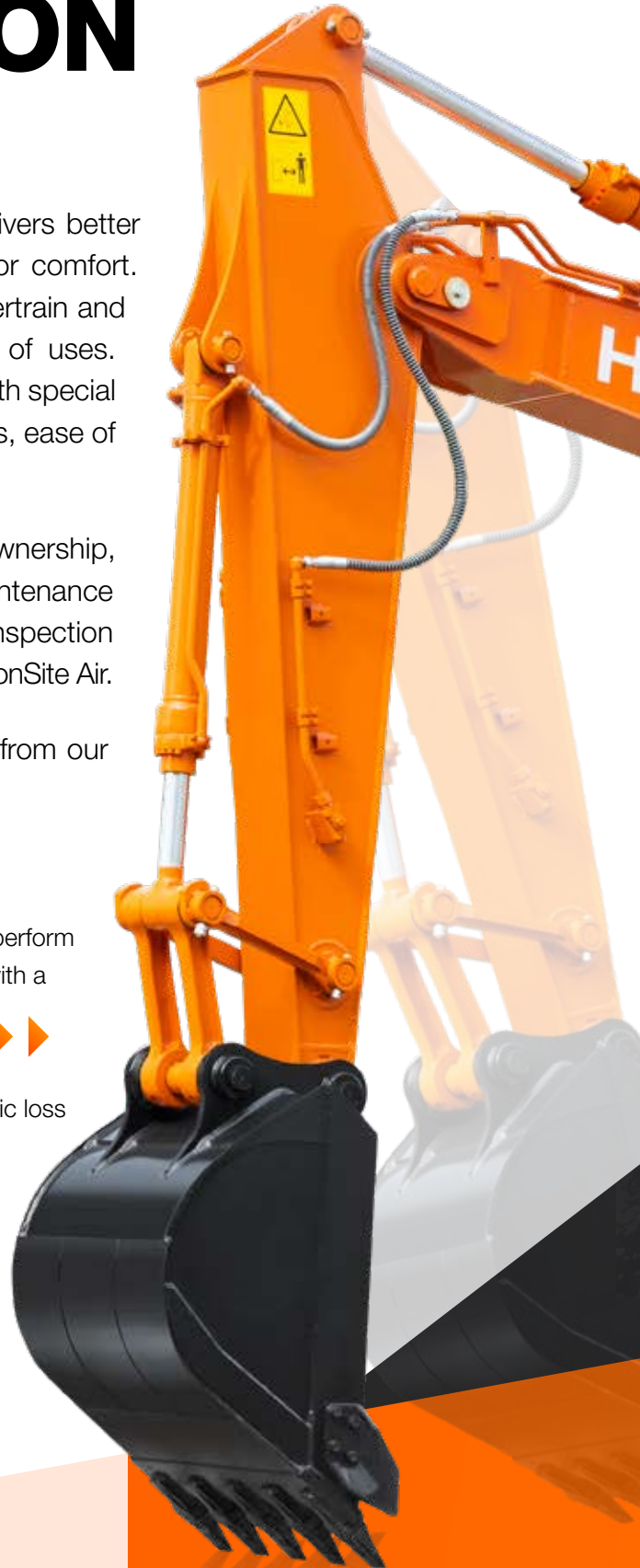
Proven Yanmar brand diesel engine with up to 444 lbf of torque.

## Increased Durability

Stout undercarriage with integrated X-Frame and enhanced track protection.

## Quality Materials

From non-slip exterior surfaces to more durable interior materials, the ZX160LC-7H is made to last.





### First-Class Cab Comfort

Enlarged cab space, visibility of controls, and operator line-of-sight.



### Enhanced Productivity

Uptime is everything: lower fuel consumption and higher quality components mean less downtime and lower servicing costs.



### Service & Maintenance

With ConSite Air, optional ConSite Oil, and field-tested maintenance routines, ZX160LC-7H is a workhorse with predictable service intervals.



Net Rated Power : 132 HP (98.6 kW)  
Operating Weight : 39,683 lb (18,000 kg)  
Max Dig Reach at Ground Level : 30 ft 7 1/2 in (9.16 m)  
Max Dig Depth : 21 ft 4 in (6.49 m)

# POWER In Reserve

Upgrade your toolset with the unparalleled torque, speed and precision of the **ZX160LC-7H**. With up to 132 horsepower (98.6 kW) for applications as diverse as earthmoving, excavation, trench digging, breaking concrete, and more.

## Latest HIOS IV Hydraulics

HIOS IV hydraulic system increases fuel efficiency by reducing hydraulic loss during operation, ensuring a responsive boom, arm, and bucket with intuitive, smooth control.



## Standard Work Modes

Three operator work modes (ECO, PWR, HP) best match available power to job site conditions.

## Modern Emissions Controls

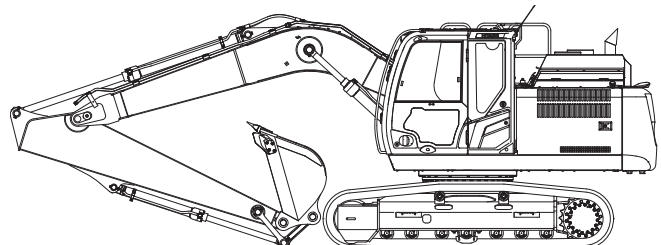
Meet emissions standards while preventing downtime; modern Catalytic Soot Filter (CSF), and easy access to all maintenance items.

## Smart Engine Management

Yanmar engine with built-in modes like an auto idle system with auto shutdown control to enhance fuel efficiency.

## Full Operator Control

Easy to use monitor customization allows operators to tailor attachment and arm speed for a wide range of jobs.



# PROFESSIONAL QUALITY



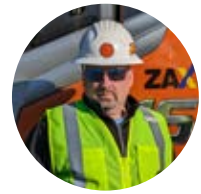
**INCREASE  
PRODUCTIVITY**  
with a wide range  
of uses.

# Excavator



“ This is our first Hitachi excavator, and now **when I think of smoothness, efficiency, and reliability, I think Hitachi!** ”

Scott Oknick  
Voss Utility & Plumbing  
Utility Foreman



# Uptime **BOOSTER**

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No matter the job site, ZX160LC-7H has what it takes to accelerate productivity. Most at home in residential & commercial construction, road & highway infrastructure improvements, and for equipment rental. This durable yet cutting-edge equipment is versatile from Day 1 and will adapt as needed to work alongside any operation.







# COMFORT Lives Here

Built with operators at heart: a larger cab with more head clearance and less noise, a panoramic view for operators, and one-touch adjustable air suspension seat synchronized to move with the console.

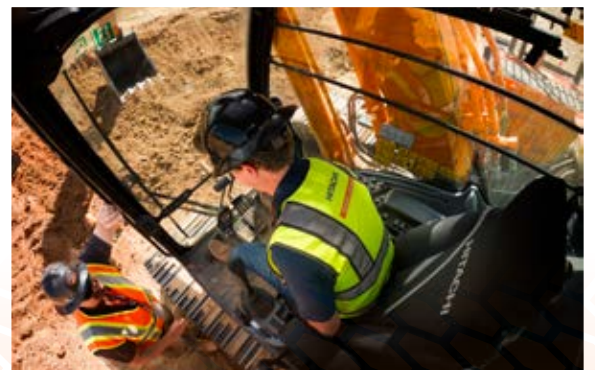
- 1 **Increased sweeping area of parallel link wiper** enhances visibility in difficult working conditions.
- 2 **Air conditioning and audio** are easily controlled via the monitor.
- 3 **Low-reflective color 8" LCD monitor** is easy to view and navigate.
- 4 **USB socket and smartphone holder** helps you stay connected.
- 5 **Detachable cup holder** for easy cleaning.
- 6 **Additional joystick controls** for effortless operation.
- 7 **Ergonomic design** gives you convenient access to controls.
- 8 **Bluetooth®** for hands-free calls.
- 9 **Multifunctional control panel** makes operation easier.
- 10 **Improved sound isolation** makes this one of the quietest cabs in the market.
- 11 **Convenient storage space** keeps your workspace tidy and clutter-free.
- 12 **Coat hooks** take care of your personal belongings.
- 13 **One-touch adjustment lever for console** so you can work comfortably in the optimum position.
- 14 **Integrated console and seat suspension** gives a greater sense of control and helps to reduce fatigue.
- 15 **Increased legroom** creates a more spacious cab.
- 16 **Optimal pedal layout** helps to reduce fatigue.



# SERVICE That Sticks

Protect your investment with proactive support services. Maintaining a robust distribution network to support customers' uptime is core to our business — and yours. Your dealer and your support team are dedicated to maintaining your uptime. Ask about how ConSite Oil (optional) and ConSite Air technology further increases uptime — a Hitachi Construction Machinery exclusive.

**ConSite**  
Consolidated Solution for Construction Sites



# NO HASSLE Maintenance

From up-to-the-second remote management with ConSite to the leading Hitachi Construction Machinery Americas Certified Remanufactured Components program, maintenance support is second-to-none. Identify problems before they start and supercharge productivity with our behind-the-scenes data platform that allows for remote fleet diagnostic access.



# 360° SAFETY

Work with confidence anywhere. Innovative, standard safety features are core to maintaining an incident-free jobsite. From a standard AERIAL ANGLE camera system to a suite of operator tools to ensure safety, always.

## AERIAL ANGLE Cameras

Peripheral vision camera system provides a wide 270-degree bird's-eye view of the machine's immediate environment.

## Unmatched Visibility

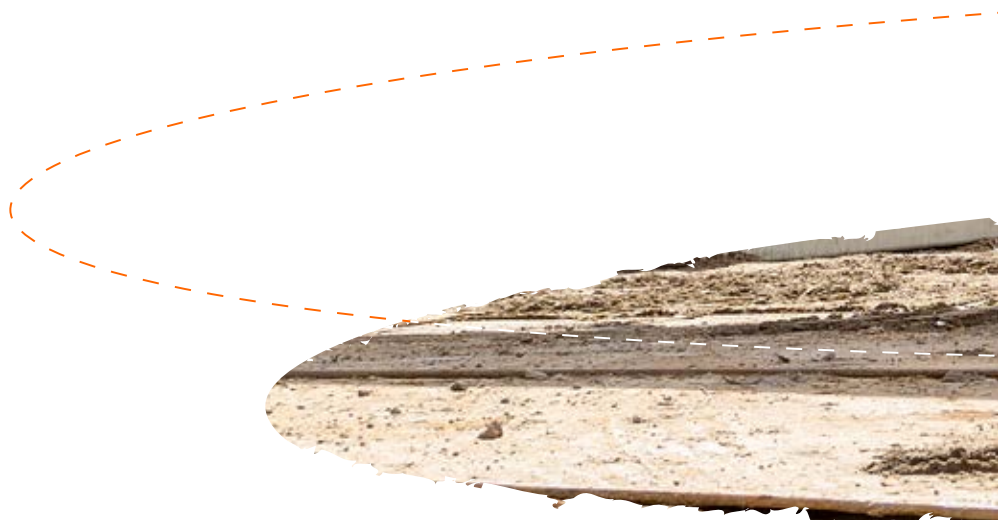
See and be seen: LED work lights, large reflective strips, improved windshield wiper and roller sunshades ensure visibility in all conditions.

## Cab Guards

Optional cab guarding increases operator protection in extreme and challenging environments.

## Multi-Angle Camera Display

With left, rear, and right side cameras and six different viewing positions from inside the cab display, operators can see clearly in all directions.





# SPECIFICATIONS

## ZX160LC-7H

| ENGINE                |                                                    |
|-----------------------|----------------------------------------------------|
| Model                 | Yanmar 4TN107                                      |
| Type                  | 4-cycle water-cooled, common rail direct injection |
| Aspiration            | Turbocharged, intercooled, cooled EGR              |
| Aftertreatment        | DOC + CSF + SCR system                             |
| No. of cylinders      | 4                                                  |
| Rated power           |                                                    |
| ISO 14396: 2002 gross | 136 HP (101.3 kW) at 1,900 min <sup>-1</sup>       |
| ISO 9249: 2007 net    | 132 HP (98.6 kW) at 1,900 min <sup>-1</sup>        |
| Maximum torque        | 444 lbf (602 Nm) at 1,500 min <sup>-1</sup>        |
| Piston displacement   | 278.697 cu.in. (4.567 L)                           |
| Bore and stroke       | 4.2" x 5.0" (107 mm x 127 mm)                      |
| Batteries             | 2 x 12 V / 93 Ah                                   |

| HYDRAULIC SYSTEM      |                                             |               |              |
|-----------------------|---------------------------------------------|---------------|--------------|
| Hydraulic Pumps       |                                             |               |              |
| Main pumps            | 2 variable displacement axial piston pumps  |               |              |
| Maximum oil flow      | 2 x 50 gal/min (190 L/min)                  |               |              |
| Pilot pump            | 1 gear pump                                 |               |              |
| Maximum oil flow      | 8.4 gal/min (31.9 L/min)                    |               |              |
| Hydraulic Motors      |                                             |               |              |
| Travel                | 2 variable displacement axial piston motors |               |              |
| Swing                 | 1 axial piston motor                        |               |              |
| Relief Valve Settings |                                             |               |              |
| Implement circuit     | 4,974.8 psi (34.3 MPa)                      |               |              |
| Swing circuit         | 4,249.6 psi (29.3 MPa)                      |               |              |
| Travel circuit        | 4,974.8 psi (34.3 MPa)                      |               |              |
| Pilot circuit         | 565.6 psi (3.9 MPa)                         |               |              |
| Power boost           | 5,511.4 psi (38.0 MPa)                      |               |              |
| Hydraulic Cylinders   |                                             |               |              |
|                       | Quantity                                    | Bore          | Rod diameter |
| Boom                  | 2                                           | 4.3" (110 mm) | 3.2" (80 mm) |
| Arm                   | 1                                           | 4.7" (120 mm) | 3.5" (90 mm) |
| Bucket                | 1                                           | 4.1" (105 mm) | 3.0" (75 mm) |

| UPPERSTRUCTURE                                                                                                                                                 |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Revolving Frame                                                                                                                                                |  |
| D-section frame for resistance to deformation.                                                                                                                 |  |
| Swing Device                                                                                                                                                   |  |
| Axial piston motor with planetary reduction gear is bathed in oil. Swing circle is single-row. Swing parking brake is spring-set/hydraulic-released disc type. |  |

| UPPERSTRUCTURE |                        |
|----------------|------------------------|
| Swing speed    | 13.3 min <sup>-1</sup> |
| Swing torque   | 32,453 lbf (44.0 kNm)  |

| UNDERCARRIAGE                                                                                                                                                                                                                                                                                                                                                                      |                                    |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|
| Tracks                                                                                                                                                                                                                                                                                                                                                                             |                                    |
| Tractor-type undercarriage. Welded track frame using selected materials. Side frame welded to track frame. Lubricated track rollers, idlers, and sprockets with floating seals.<br>Track shoes with triple grousers made of induction-hardened rolled alloy. Heat-treated connecting pins with dirt seals. Hydraulic (grease) track adjusters with shock-absorbing recoil springs. |                                    |
| Numbers of Rollers and Shoes on Each Side                                                                                                                                                                                                                                                                                                                                          |                                    |
| Upper rollers                                                                                                                                                                                                                                                                                                                                                                      | 2                                  |
| Lower rollers                                                                                                                                                                                                                                                                                                                                                                      | 7                                  |
| Track shoes                                                                                                                                                                                                                                                                                                                                                                        | 43                                 |
| Track guards                                                                                                                                                                                                                                                                                                                                                                       | 1                                  |
| Travel Device                                                                                                                                                                                                                                                                                                                                                                      |                                    |
| Each track driven by 2-speed axial piston motor.<br>Parking brake is spring-set/hydraulic-released disc type.<br>Automatic transmission system: High-Low.                                                                                                                                                                                                                          |                                    |
| Travel speeds                                                                                                                                                                                                                                                                                                                                                                      | High: 0 to 3.3 mph (0 to 5.3 km/h) |
|                                                                                                                                                                                                                                                                                                                                                                                    | Low: 0 to 2.1 mph (0 to 3.4 km/h)  |
| Maximum traction force                                                                                                                                                                                                                                                                                                                                                             | 36,869 lbf (164 kN)                |
| Gradeability                                                                                                                                                                                                                                                                                                                                                                       | 70% (35 degree) continuous         |

| SERVICE REFILL CAPACITIES |                    |
|---------------------------|--------------------|
| Fuel tank                 | 75.2 gal (285.0 L) |
| Engine coolant            | 6.1 gal (23.0 L)   |
| Engine oil                | 5.8 gal (22.0 L)   |
| Swing device              | 1.8 gal (6.9 L)    |
| Travel device (each side) | 1.8 gal (6.8 L)    |
| Hydraulic system          | 55.4 gal (210.0 L) |
| Hydraulic oil tank        | 33.0 gal (125.0 L) |
| DEF/AdBlue® tank          | 9.2 gal (35.0 L)   |

| ENVIRONMENT                                                                  |                               |
|------------------------------------------------------------------------------|-------------------------------|
| Engine Emissions                                                             | EPA Final Tier 4 / EU Stage V |
| Sounds Level                                                                 |                               |
| Sound level in cab according to ISO 6396: 2008                               | LpA 70 dB(A)                  |
| External sound level according to ISO 6395: 2008 and EU Directive 2000/14/EC | LwA 100 dB(A)                 |

## WEIGHTS AND GROUND PRESSURE

### Operating Weight and Ground Pressure

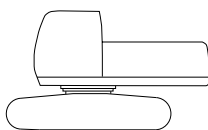
|                |                     |                       | ZX160LC-7H      |           |
|----------------|---------------------|-----------------------|-----------------|-----------|
| Boom type      |                     |                       | Monoblock       |           |
| Shoe type      | Shoe width, in (mm) | Arm length, ft-in (m) | lb (kg)         | psi (kPa) |
| Triple grouser | 24" (600)           | 10' 1" (3.08 m)       | 39,683 (18,000) | 6.24 (43) |

\* Including 0.68 yd<sup>3</sup> (0.52 m<sup>3</sup>) (ISO 7451: 2007 heaped) bucket weight, 1,102 lb (500 kg) and counterweight, 6,724 lb (3,050 kg).

## BASIC MACHINE WEIGHT AND COMPONENTS WEIGHT

### Basic Machine Weight and Overall Width

Excluding front end attachment, fuel, hydraulic oil and coolant etc. Including counterweight.



|                |                    | ZX160LC-7H      |                       |
|----------------|--------------------|-----------------|-----------------------|
| Shoe Type      | Shoe width in (mm) | Weight lb (kg)  | Overall width in (mm) |
| Triple grouser | 24" (600)          | 32,634 (14,800) | 8' 6" (2,600)         |

### Components Weight

Unit: lb (kg)

|                                                                   | ZX160LC-7H    |
|-------------------------------------------------------------------|---------------|
| Counterweight                                                     | 6,724 (3,050) |
| Monoblock boom (with arm cylinder and boom cylinder)              | 3,748 (1,700) |
| Arm 10' 1" (3.08 m) (with bucket cylinder)                        | 2,094 (950)   |
| Bucket ISO 7451: 2007 0.68 yd <sup>3</sup> (0.52 m <sup>3</sup> ) | 1,102 (500)   |

## BUCKET AND ARM DIGGING FORCE

Unit: lbf (kN)

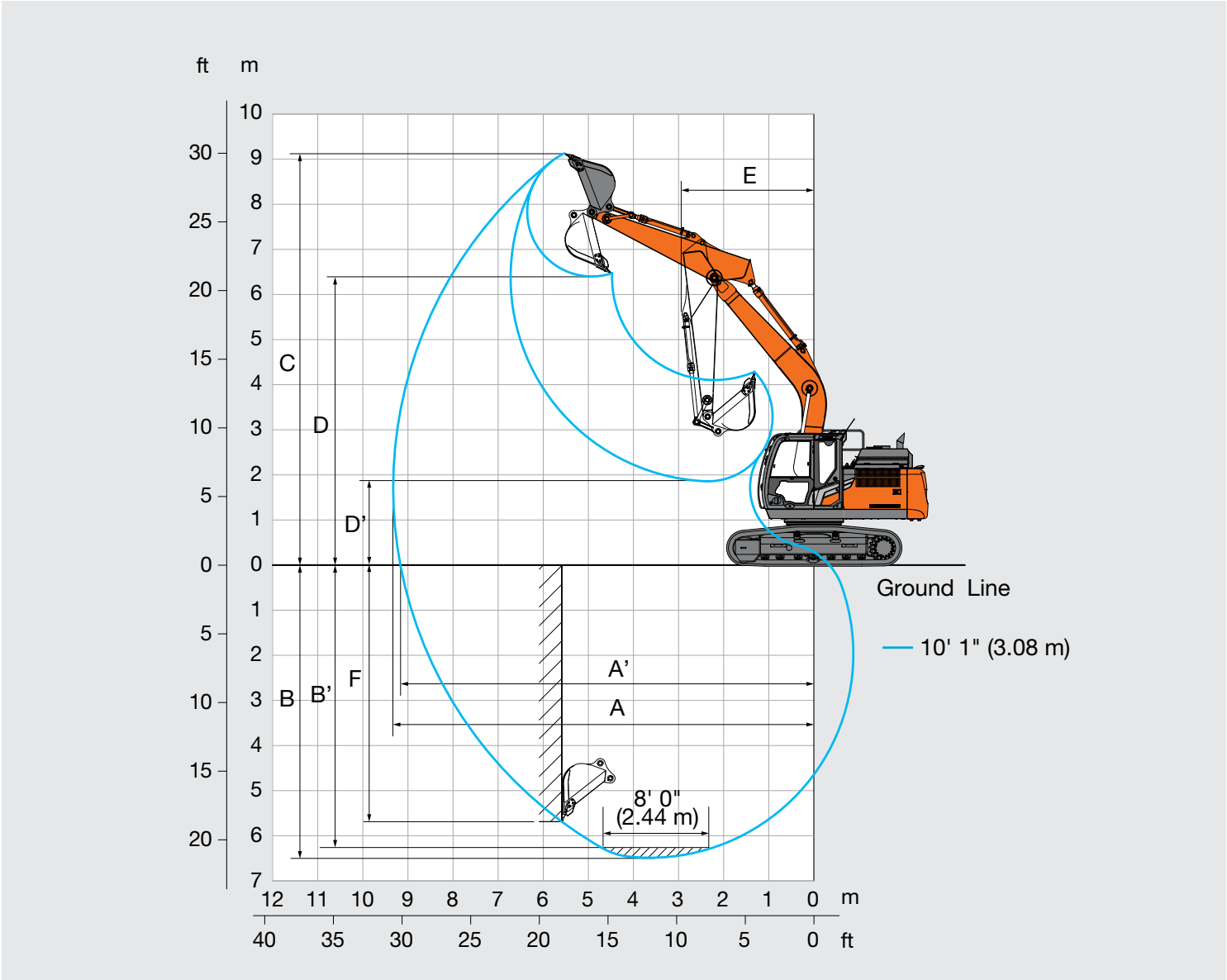
|                                      | ZX160LC-7H      |
|--------------------------------------|-----------------|
| Arm length                           | 10' 1" (3.08 m) |
| Bucket digging force* ISO 6015: 2006 | 25,179 (112)    |
| Arm crowd force* ISO 6015: 2006      | 18,209 (81)     |

Calculated value at power boost

# SPECIFICATIONS

ZX160LC-7H

## WORKING RANGES

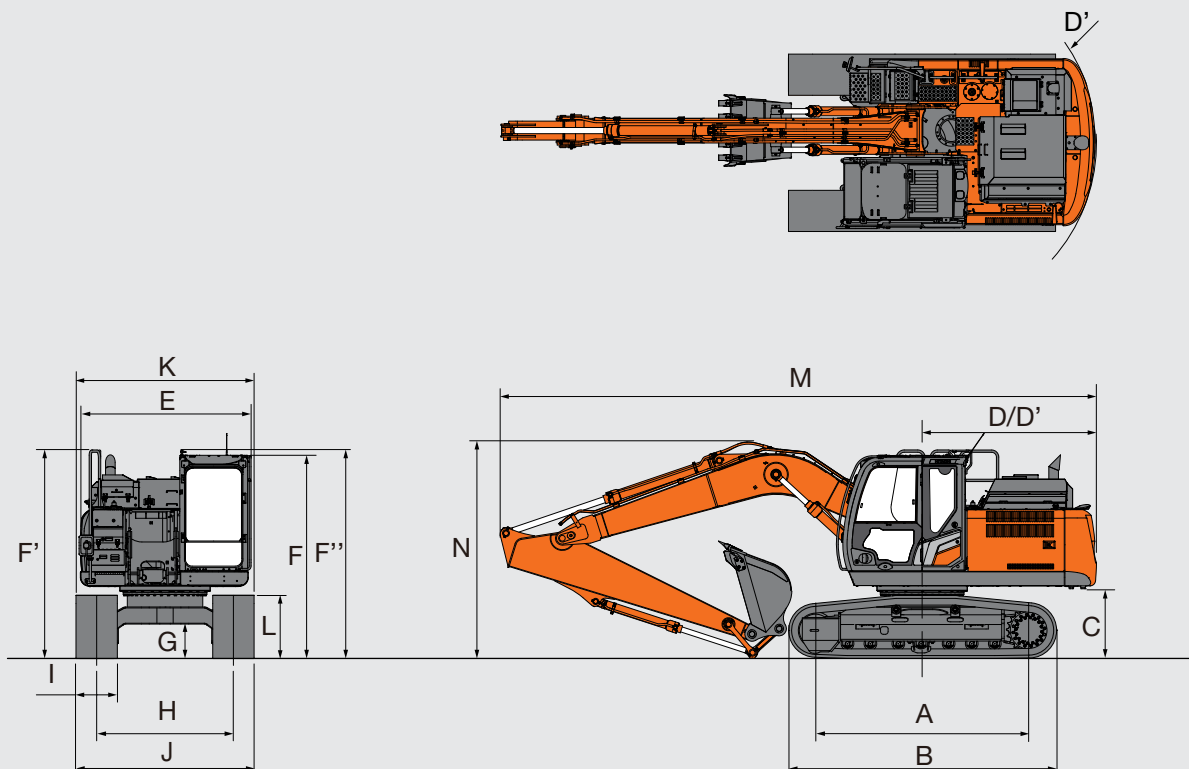


Unit: ft-in (mm)

|                                                | ZX160LC-7H      |  |
|------------------------------------------------|-----------------|--|
|                                                | Monoblock boom  |  |
| Arm length                                     | 10' 1" (3.08 m) |  |
| A Max. digging reach                           | 30' 7" (9,330)  |  |
| A' Max. digging reach, on ground               | 30' 1" (9,160)  |  |
| B Max. digging depth                           | 21' 4" (6,490)  |  |
| B' Max. digging depth for 8' 0" (2.44 m) level | 20' 7" (6,270)  |  |
| C Max. cutting height                          | 29' 11" (9,130) |  |
| D Max. dumping height                          | 21' 0" (6,400)  |  |
| D' Min. dumping height                         | 6' 1" (1,860)   |  |
| E Min. swing radius                            | 9' 7" (2,920)   |  |
| F Max. vertical wall digging depth             | 18' 8" (5,690)  |  |

Excluding track shoe lug

## DIMENSIONS



Unit: ft-in (mm)

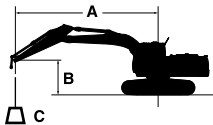
|                                                   | ZX160LC-7H      |
|---------------------------------------------------|-----------------|
|                                                   | Monoblock boom  |
| A Distance between tumblers                       | 10' 2" (3,100)  |
| B Undercarriage length                            | 12' 10" (3,920) |
| * C Counterweight clearance                       | 3' 3" (980)     |
| D Rear-end swing radius                           | 8' 4" (2,550)   |
| D' Rear-end length                                | 8' 4" (2,530)   |
| E Overall width of upperstructure                 | 8' 2" (2,500)   |
| F Overall height of cab                           | 9' 8" (2,950)   |
| F' Overall height of handrail                     | 9' 11" (3,030)  |
| F" Overall height of handrail (on cab)            | 9' 11" (3,020)  |
| * G Min. ground clearance (Triple grouser shoe)   | 1' 7" (470)     |
| H Track gauge                                     | 6' 6" (1,990)   |
| I Track shoe width                                | G 2' 0" (600)   |
| J Undercarriage width                             | 8' 6" (2,590)   |
| K Overall width                                   | 8' 6" (2,590)   |
| * L Track height with triple grouser shoes        | 3' 0" (920)     |
| M Overall length with 10' 1" (3.08 m) arm         | 28' 5" (8,650)  |
| N Overall height of boom with 10' 1" (3.08 m) arm | 10' 2" (3,110)  |

\* Excluding track shoe lug

# MACHINE CAPACITIES

## ZX160LC-7H

- Notes:
- 1. Ratings are based on ISO 10567: 2007.
  - 2. Machine capacity does not exceed 75% of tipping load with the machine on firm, level ground or 87% full hydraulic capacity.
  - 3. The load point is the center-line of the bucket pivot mounting pin on the arm.
  - 4. \* Indicates load limited by hydraulic capacity.
  - 5. 0 ft (0m) = Ground.
  - 6. Machine specifications are determined excluding the bucket.



A: Load radius  
B: Load point height  
C: Machine capacity

For machine capacities, subtract installed attachment and quick hitch weight from machine capacities.  
To determine lifting capacities, apply "Rating over-side or 360 degrees" machine capacities from the table and deduct weight of installed attachment and quick hitch.  
Optional feature may affect machine performance.

### ZX160LC-7H MONOBLOCK BOOM

Rating over-front Rating over-side or 360 degrees Unit: lb (kg)

| Conditions                                                                                           | Load point height<br>ft (m) | Load radius         |                     |                      |                     |                     |                     |                    |                    |                    |                  | At max. reach       |                    |                  |
|------------------------------------------------------------------------------------------------------|-----------------------------|---------------------|---------------------|----------------------|---------------------|---------------------|---------------------|--------------------|--------------------|--------------------|------------------|---------------------|--------------------|------------------|
|                                                                                                      |                             | 5 ft (1.5 m)        |                     | 10 ft (3.0 m)        |                     | 15 ft (4.5 m)       |                     | 20 ft (6.0 m)      |                    | 25 ft (7.5 m)      |                  |                     |                    |                  |
|                                                                                                      |                             |                     |                     |                      |                     |                     |                     |                    |                    |                    |                  |                     |                    | ft-in<br>(meter) |
| Boom 16' 9"<br>(5.10 m)<br><br>Arm 10' 1"<br>(3.08 m)<br><br>Counterweight<br>6,724 lb<br>(3,050 kg) | 20'<br>(6.0)                |                     |                     |                      |                     |                     |                     | 7,090*<br>(3,350)* | 7,090*<br>(3,350)* |                    |                  | 5,650*<br>(2,550)*  | 5,650*<br>(2,550)* | 21' 6"<br>(6.61) |
|                                                                                                      | 15'<br>(4.5)                |                     |                     |                      |                     |                     |                     | 8,380*<br>(3,820)* | 7,730<br>(3,590)   |                    |                  | 5,510*<br>(2,500)*  | 5,510*<br>(2,500)* | 24' 1"<br>(7.38) |
|                                                                                                      | 10'<br>(3.0)                |                     |                     | 15,700*<br>(7,360)*  | 15,700*<br>(7,360)* | 11,310*<br>(5,230)* | 11,310*<br>(5,230)* | 9,640*<br>(4,420)* | 7,420<br>(3,440)   | 6,690*<br>(3,330)* | 5,230<br>(2,430) | 5,680*<br>(2,580)*  | 5,050<br>(2,280)   | 24' 1"<br>(7.38) |
|                                                                                                      | 5'<br>(1.5)                 |                     |                     | 18,130*<br>(7,530)*  | 18,130*<br>(7,530)* | 14,530*<br>(6,720)* | 10,620<br>(4,920)   | 10,910<br>(5,060)  | 7,060<br>(3,270)   | 7,810<br>(3,620)   | 5,080<br>(2,360) | 6,130*<br>(2,780)*  | 4,810<br>(2,180)   | 25' 6"<br>(7.79) |
|                                                                                                      | 0<br>(Ground)               |                     |                     | 15,680*<br>(6,810)*  | 15,680*<br>(6,810)* | 16,310<br>(7,580)   | 10,060<br>(4,660)   | 10,590<br>(4,910)  | 6,770<br>(3,140)   | 7,680<br>(3,560)   | 4,960<br>(2,300) | 6,980*<br>(3,160)*  | 4,880<br>(2,210)   | 25' 3"<br>(7.70) |
|                                                                                                      | -5'<br>(-1.5)               | 11,500*<br>(5,130)* | 11,500*<br>(5,130)* | 21,900*<br>(9,600)*  | 18,010<br>(8,380)   | 16,040<br>(7,460)   | 9,830<br>(4,560)    | 10,430<br>(4,840)  | 6,630<br>(3,070)   |                    |                  | 8,280<br>(3,750)    | 5,320<br>(2,410)   | 23' 7"<br>(7.20) |
|                                                                                                      | -10'<br>(-3.0)              | 19,530<br>(8,670)*  | 19,530<br>(8,670)*  | 25,070*<br>(11,580)* | 18,240<br>(8,480)   | 16,100<br>(7,480)   | 9,880<br>(4,580)    | 10,500<br>(4,860)  | 6,690<br>(3,090)   |                    |                  | 10,120<br>(4,550)   | 6,470<br>(2,910)   | 20' 7"<br>(6.30) |
|                                                                                                      | -15'<br>(-4.5)              |                     |                     | 19,890*<br>(9,310)*  | 18,860<br>(8,760)   | 13,200*<br>(6,250)* | 10,280<br>(4,740)   |                    |                    |                    |                  | 12,720*<br>(5,740)* | 9,920<br>(4,360)   | 15' 5"<br>(4.79) |

# NOTES

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

| ENGINE                                                                           | ZX160LC-7H |
|----------------------------------------------------------------------------------|------------|
| Aftertreatment device                                                            | ●          |
| Air cleaner double filters                                                       | ●          |
| Alternator 80 A                                                                  | ●          |
| Auto idle system                                                                 | ●          |
| Auto shut-down control                                                           | ●          |
| Belt auto tensioner                                                              | ●          |
| Cartridge-type engine oil filter                                                 | ●          |
| Cartridge-type fuel main filter                                                  | ●          |
| ConSite Oil (sensor)*                                                            | ○          |
| DEF / AdBlue® tank                                                               | ●          |
| DEF / AdBlue® tank inlet strainer and extension filler                           | ●          |
| Dry-type air filter with evacuator valve (with air filter restriction indicator) | ●          |
| Dust-proof indoor net                                                            | ●          |
| ECO / PWR / HP mode control                                                      | ●          |
| Electrical fuel feed pump                                                        | ●          |
| Engine oil drain coupler                                                         | ●          |
| Expansion tank                                                                   | ●          |
| Fan guard                                                                        | ●          |
| Fuel cooler                                                                      | ●          |
| Fuel pre-filter with water separator                                             | ●          |
| Isolation-mounted engine                                                         | ●          |
| Maintenance free pre-cleaner                                                     | ○          |
| Oil separator                                                                    | ●          |
| Radiator, oil cooler and intercooler                                             | ●          |

| HYDRAULIC SYSTEM                                   | ZX160LC-7H |
|----------------------------------------------------|------------|
| Auto power lift                                    | ●          |
| ConSite Oil (sensor)*                              | ○          |
| Control valve with main relief valve               | ●          |
| Extra port for control valve                       | ●          |
| High mesh full flow filter                         | ●          |
| Hose rupture valve for boom/arm and overload alarm | ○          |
| Pilot filter                                       | ●          |
| Power boost                                        | ●          |
| Restriction indicator for full flow filter         | ○          |
| Suction filter                                     | ●          |
| Swing dampener valve                               | ●          |
| Variable relief valve for breaker and crusher      | ●          |
| Work mode selector                                 | ●          |

| CAB                                                                             | ZX160LC-7H |
|---------------------------------------------------------------------------------|------------|
| All-weather sound suppressed steel cab                                          | ●          |
| Auto control air conditioner                                                    | ●          |
| AUX function lever (breaker)                                                    | ●          |
| AUX function lever (breaker assist)                                             | ○          |
| Bluetooth® integrated radio                                                     | ●          |
| Console height adjustment                                                       | ●          |
| Control lever auto-lock                                                         | ●          |
| CRES VII (center pillar reinforced structure) cab                               | ●          |
| Drink holder with hot and cool function                                         | ●          |
| Electric double horn                                                            | ●          |
| Engine shut-off switch                                                          | ●          |
| Equipped with reinforced, tinted (green color) glass windows                    | ●          |
| Evacuation hammer                                                               | ●          |
| Floor mat                                                                       | ●          |
| Fluid-filled elastic mounts (4)                                                 | ●          |
| Foot rest                                                                       | ●          |
| Front window washer (1 point)*                                                  | ●          |
| Front window washer (2 points)*                                                 | ○          |
| Glove compartment                                                               | ●          |
| Hands-free calling device                                                       | ●          |
| Hot and cool box                                                                | ●          |
| Intermittent windshield wipers                                                  | ●          |
| Key cylinder light                                                              | ●          |
| LED room light                                                                  | ●          |
| Magazine rack                                                                   | ●          |
| OPG front guard Level II (ISO 10262: 1998) compliant                            | ○          |
| OPG top guard Level I (ISO 10262: 1998) compliant                               | ●          |
| OPG top guard Level II (ISO 10262: 1998) compliant                              | ○          |
| Pilot shut-off lever                                                            | ●          |
| Power outlet 12 V and 24 V                                                      | ●          |
| Push button low idle                                                            | ●          |
| Rain guard (without OPG front guard)                                            | ●          |
| Rear tray                                                                       | ●          |
| Retractable seat belt 3 in. (76 mm)                                             | ●          |
| ROPS (ISO 12117-2: 2008) compliant cab                                          | ●          |
| Rubber radio antenna                                                            | ●          |
| Seat: air suspension seat with heater                                           | ●          |
| Seat adjustment part: backrest, armrest, height and angle, slide forward / back | ●          |
| Seat belt reminder                                                              | ●          |
| Short wrist control levers                                                      | ●          |
| Smartphone holder                                                               | ●          |
| Straight travel pedal                                                           | ○          |
| Sunscreen roller type (multi-use front or side and rear window)                 | ●          |
| Transparent roof with slide curtain                                             | ●          |
| USB power supply                                                                | ●          |
| Wide view wiper                                                                 | ○          |
| Windows on front, upper, lower and left side can be opened                      | ●          |
| Stereo speakers (2)                                                             | ●          |
| 8" monitor                                                                      | ●          |

●: Standard equipment ○: Optional equipment

| MONITOR SYSTEM                                                                                                                                                                            | ZX160LC-7H |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| Alarm buzzers: overheat, engine oil pressure, overload, SCR system trouble, etc                                                                                                           | ●          |
| Alarms: overheat, engine warning, engine oil pressure, alternator, minimum fuel level, hydraulic filter restriction, air filter restriction, work mode, overload, SCR system trouble, etc | ●          |
| Display of meters: water temperature, hour, fuel rate, clock, DEF / AdBlue® rate, etc                                                                                                     | ●          |
| Other displays: work mode, auto-idle, glow, rearview monitor, operating conditions, etc                                                                                                   | ●          |
| 35 languages selection                                                                                                                                                                    | ●          |

| UPPER STRUCTURE                        | ZX160LC-7H |
|----------------------------------------|------------|
| AERIAL ANGLE (270° view camera system) | ●          |
| Batteries 2 x 93 Ah                    | ●          |
| Body top handrail                      | ●          |
| Cab top handhold                       | ●          |
| Control pattern changer (ISO / BH)     | ●          |
| Counterweight 6,724 lb (3,050 kg)      | ●          |
| Fuel level float                       | ●          |
| HD undercover                          | ○          |
| Hydraulic oil level gauge              | ●          |
| Lockable fuel refilling cap            | ●          |
| Lockable machine covers                | ●          |
| Lockable tool box                      | ●          |
| Platform handrail                      | ●          |
| Side view mirror (right and left)      | ●          |
| Skid-resistant plates                  | ●          |
| Swing parking brake                    | ●          |
| Undercover                             | ●          |
| 2 way battery disconnect switch        | ●          |

| LIGHTS                                            | ZX160LC-7H |
|---------------------------------------------------|------------|
| Additional boom LED light with cover              | ●          |
| Additional cab roof front LED lights              | ●          |
| Additional cab roof rear LED lights               | ●          |
| LED lights for camera (side and rear view camera) | ○          |
| Rotating lamp                                     | ○          |
| Working LED lights (2)                            | ●          |

| FRONT ATTACHMENTS                      | ZX160LC-7H |
|----------------------------------------|------------|
| Arm 10' 1" (3.08 m)                    | ●          |
| Arm tip remote lubrication             | ●          |
| Casted bucket link A                   | ●          |
| Centralized lubrication system         | ●          |
| Dirt seal on all bucket pins           | ●          |
| Flanged pin                            | ●          |
| HN bushing                             | ●          |
| Lower arm reinforcement                | ●          |
| Reinforced resin thrust plate          | ●          |
| Reinforced bucket link B               | ●          |
| WC (tungsten-carbide) thermal spraying | ●          |

| MISCELLANEOUS                         | ZX160LC-7H |
|---------------------------------------|------------|
| ConSite                               | ○          |
| Exclusive Global e-Service telematics | ●          |
| Onboard information controller        | ●          |
| Satellite communication device        | ○          |
| Standard tool kit                     | ●          |
| Travel alarm                          | ●          |

| UNDERCARRIAGE                         | ZX160LC-7H |
|---------------------------------------|------------|
| Bolt-on sprocket                      | ●          |
| Greasing type track adjuster          | ●          |
| Reinforced track links with pin seals | ●          |
| Shoe: 24" (600 mm) triple grouser     | ●          |
| Shoe: 28" (700 mm) triple grouser     | ○          |
| Tie-down brackets (4)                 | ●          |
| Towing hole for light weight object   | ●          |
| Track guard on each side              | ●          |
| Track undercover                      | ○          |
| Travel direction mark on track frame  | ●          |
| Travel motor covers                   | ●          |
| Travel parking brake                  | ●          |
| Upper and lower rollers               | ●          |

| ATTACHMENTS                                        | ZX160LC-7H |
|----------------------------------------------------|------------|
| Additional pump, 7.9 gal (30 L)/min                | ○          |
| Assist piping                                      | ○          |
| Auxiliary hydraulic piping (straight-short piping) | ○          |
| Auxiliary hydraulic piping                         | ●          |
| Pilot accumulator                                  | ○          |
| Two Pump Combined Flow                             | ○          |

Standard and optional equipment may vary by country, so please consult your Hitachi Construction Machinery Americas authorized local dealer for details.

\*1 Engine oil and hydraulic oil monitoring sensor.

\*2 Front window washer (1 point) is only when equipped with standard wiper.

Front window washer (2 points) is only when equipped with wide view wiper.

## NOTES

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# NOTES

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# HITACHI

## Reliable Solutions



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A legacy built on quality products and service: this is our story. For more than 50 years, Hitachi Construction Machinery Americas has been the regional partner of Hitachi Construction Machinery Group, headquartered in Japan.

Well-respected in North America since the 1970s when Hitachi Construction Machinery Group led a prominent joint venture, Hitachi Construction Machinery Americas recently established a new facility in Newnan, GA. that is poised to support local customers for years to come.

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Your local Hitachi Construction Machinery Americas dealer has the resources, expertise, and personnel to work with you, ensuring the best return on investment. Utilizing carefully designed programs and services in conjunction with extensive digital resources, Hitachi Construction Machinery Americas provides a focused approach to supporting you, your business, and the durable construction machinery that your operation relies upon.

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