HD HYUNDAI CONSTRUCTION EQUIPMENT

# HX55A CR SPECIFICATIONS

**Net Power** 45.0 hp (33.6 Kw) @ 2,400 rpm

**Operating Weight** Cabin: 12,460 lb (5,650 kg) Canopy: 12,150 lb (5,510 kg)

**Bucket Digging Force** (ISO) 8,354 lbf (3,789 kgf) *

**Arm Digging Force** (ISO) 5,008 lbf (2,308 kgf)*

## ENGINE

| | | | |
|---|---|---|---|
| Model | | | YANMAR / 4TNV86CT |
| Emissions certification | | | Tier 4 Final |
| Output | SAE | J1995 (gross) | 47.6 hp (35.5 kW) @ 2,400 rpm |
| | | J1349 (net) | 45.0 hp (33.6 kW) @ 2,400 rpm |
| Piston displacement | | in³ (cc) | 127.6 (2,091) |
| Number of cylinders | | | 4 |
| Bore × Stroke | | in (mm) | 3.39" (86) × 3.54" (90) |

## HYDRAULIC SYSTEM

| | | |
|---|---|---|
| Pump type | | Load sensing system |
| Maximum flow | gpm (ℓ/min) | 36.5 (138) |
| HYDRAULIC MOTORS | | |
| Travel | Two fixed-displacement axial piston motors | |
| Swing | Fixed-displacement axial piston motor | |
| RELIEF VALVE SETTINGS | | |
| Implement circuits | psi (bar) | 3,613 (254) |
| Travel circuit | | 4,060 (285) |
| Swing circuit | | 4,980 (350) |
| HYDRAULIC CYLINDERS | | |
| Number of cylinders–Bore × diameter × stroke | Boom cylinder | 1–3.7" × 25.3" (95 × 643) |
| | Arm cylinder | 1–3.3" × 28.0" (85 × 710) |
| | Bucket cylinder | 1–3.1" × 23.2" (80 × 590) |
| | Boom swing cylinder | 1–3.1" × 20.7" (80 × 525) |
| | Dozer cylinder | 1–4.5" × 8.3" (115 × 212) |
| | Angle dozer cylinder | 1–4.5" × 8.3" (115 × 212) |
| | Angle swing cylinder | 1–3.7" × 13.2" (95 × 335) |

(in (mm))

## SWING SYSTEM

| | | |
|---|---|---|
| Swing motor | | Fixed-displacement axial piston motor |
| Swing reduction | | 2-stage planetary |
| Swing brake | | Multi wet disc |
| Swing speed | rpm | 10.1 |

## TRAVEL SYSTEM

| | | | |
|---|---|---|---|
| Drive motor | | | Two fixed-displacement axial piston motors |
| Drive method | | | Fully hydrostatic type |
| Reduction system | | | 2-stage planetary |
| Max. travel speed | Low | mph (km/h) | 1.6 (2.6) |
| | High | mph (km/h) | 2.9 (4.7) |
| Max. drawbar pull | | lbf (kgf) | 12,480 (5,662) |
| Gradeability | | degrees (%) | 35° (70%) |
| Parking brake | | | Automatic, spring applied hydraulic released |

## PILOT CONTROLS

| | | |
|---|---|---|
| Two joysticks with one safety lever (ISO) | Left hand | Arm and Swing |
| | Right hand | Boom and Bucket (ISO) |
| Traveling and steering | | Two levers with pedals |
| Engine throttle | | Electric, dial type |

## COOLANT & LUBRICANT CAPACITY

| | | |
|---|---|---|
| Fuel tank | gal (ℓ) | 33.0 (125) |
| Engine coolant | | 3.0 (11.5) |
| Engine oil | | 2.0 (7.4) |
| Final drive (each) | | 0.3 (1) |
| Hydraulic tank | | 11.6 (44) |

## UNDERCARRAIGE

| | |
|---|---|
| No. of upper rollers on each side | 1 |
| No. of lower rollers on each side | 5 |

## OPERATING WEIGHT (APPROXIMATE)

Operating weight including 9'6" (2908 mm) boom 5' 5" (1,650 mm) long arm, SAE heaped 0.20 yd³ (0.15 m³) digging bucket 24" (606 mm) rubber track, lubricant, coolant, full fuel tank, full hydraulic tank, 1,430 lb (650 kg) counterweight and all standard equipment.

| | | |
|---|---|---|
| Operating weight | lb (kg) | 12,460 (5,650) |
| Ground pressure | psi (kgf/cm²) | 4.65 (0.33) |

●: Standard / ○: Option

### ENGINE

| | |
|---|---|
| Electronically controlled Yanmar engine | ● |
| Double-element air filter | ● |
| Auto-idling system | ● |
| Water separator with filter | ● |
| Electric fuel filler pump | ○ |

### HYDRAULIC SYSTEM

| | |
|---|---|
| Load-sensing hydraulic system | ● |
| Two-speed travel with auto-shift | ● |
| Floating dozer blade | ● |
| Angle dozer blade | ○ |
| Proportional aux. control | ● |
| 2-way aux. hydraulic line for grapple | ● |
| 4-way aux. hydraulic line for rotating | ○ |
| Divert valve for 2-way hydraulic | ● |
| Adjustable aux. flow on cluster | ● |

### CABIN

| | |
|---|---|
| ROPS (Roll-Over Protective Structure, ISO3471) | ● |
| OPS (Operator Protective Structure) Level 1 | ● |
| FOG (Falling Object Guard) | ○ |
| Adjustable mechanical suspension seat with leather cover | ● |
| Retractable seatbelt with warning alarm | ● |
| Heating and air conditioning | ● |
| Travel levers with foot pedals | ● |

### CABIN

| | |
|---|---|
| Emergency hammer for exit | ● |
| Power-assisted front window | ● |
| Rearview camera | ○ |
| Travel alarm | ● |
| LED beacon lamp | ○ |
| 5" digital cluster with IP68 water & dust proof | ● |
| Radio with USB | ● |
| 12 V power socket | ● |
| Side and rear mirrors | ● |
| Cup holder | ● |
| Pattern change valve inside cabin | ● |
| Horn | ● |

### CANOPY

| | |
|---|---|
| ROPS (Roll-Over Protective Structure, ISO3471) | ● |
| OPS (Operator Protective Structure) Level 1 | ○ |
| FOG (Falling Object Guard) | ○ |
| Adjustable mechanical suspension seat | ● |
| Retractable seatbelt with warning alarm | ● |
| Travel levers with foot pedals | ● |
| 5" Digital cluster with IP68 water & dust proof | ● |
| 12 V power socket | ● |
| Side mirror | ● |
| Cup holder | ● |

### WORKING EQUIPMENT

| | |
|---|---|
| Compact radius | ● |
| Boom swing function | ● |
| Arm with thumb bracket | ○ |
| Standard arm 4' 7" (1,400 mm) | ○ |
| Long arm 5' 5" (1,650 mm) | ● |
| Thumb bracket on arm | ○ |
| Hyundai quick coupler | ○ |
| Factory fit thumb | ○ |
| Quick coupler piping | ○ |
| Additional counterweight | ○ |
| Safety valves for boom/arm/dozer | ○ |
| Overload warning alarm | ○ |
| Travel and swivel motor with discs brake | ● |
| 1 LED work light on boom | ● |
| 2 LED work lights on cabin | ○ |

### UNDERCARRIAGE

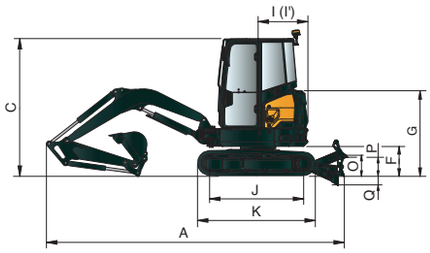
| | |
|---|---|
| Rubber track 1' 4" (400 mm) | ● |
| Steel track 1' 4" (400 mm) | ○ |
| Interchangeability between rubber and steel track | ● |

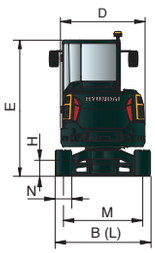
### TELEMATICS

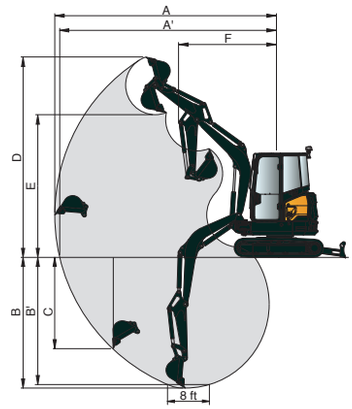
| | |
|---|---|
| Hi MATE–Mobile (4G) Type | ○ |

* 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.

# HX55A CR
# DIMENSIONS & WORKING RANGE




## DIMENSIONS

| | | | |
|---|---|---|---|
| | Operating weight (cabin) | lb (kg) | 12,460 (5,650) |
| A | Overall length | ft in (mm) | 18' 1" (5,510) |
| B | Overall width | | 6' 7" (2,000) |
| | Overall width with dozer | | 6' 7" (2,000) |
| C | Overall height | | 8' 5" (2,555) |
| D | Overall width of upper structure | | 6' 1" (1,850) |
| E | Overall height of cab | | 8' 5" (2,555) |
| F | Ground clearance of counterweight | | 2' 0" (608) |
| G | Overall height of engine hood | | 5' 3" (1,605) |
| H | Minimum ground clearance | | 0' 8" (215) |
| I | Rear-end swing radius | | 3' 10" (1,175) |
| J | Distance between tumblers | | 6' 7" (2,000) |
| K | Undercarriage length (without grouser) | | 8' 3" (2,515) |
| L | Undercarriage width | | 6' 7" (2,000) |
| M | Track gauge | | 5' 3" (1,600) |
| N | Track shoe width, standard | | 1' 4" (400) |
| O | Height of blade | | 1' 2" (350) |
| P | Ground clearance of blade up | | 1' 4" (410) |
| Q | Depth of blade down (standard blade) | | 1' 11" (580) |
| | Depth of blade down (angle blade) | | 2' 2" (670) |
| | Swing speed | rpm | 10 |
| | Gradeability | Degree (%) | 35° (70%) |
| | Max traction force | lb (kg) | 12,480 (5,662) |

## WORKING RANGE

| | | | LONG ARM | STD ARM |
|---|---|---|---|---|
| A | Max digging reach | ft in (mm) | 20'5 (6,230) | 19' 8" (5,990) |
| A' | Max digging reach on ground | | 20"0 (6,100) | 20' 2" (6,850) |
| B | Max digging depth | | 12'4 (3,750) | 12' 6" (3,500) |
| B' | Max digging depth (8 ft level) | | 11'1 (3,380) | 11' 2" (3,095) |
| C | Max vertical wall digging depth | | 9'6 (2,900) | 8' 8" (2,650) |
| D | Max digging height | | 18"10 (5,740) | 18' 10" (5,740) |
| E | Max dumping height | | 13"3 (4,035) | 13' 8" (4,865) |
| F | Min swing radius | | 8"6 (2,580) | 8' 6" (2,580) |

## DIGGING FORCE

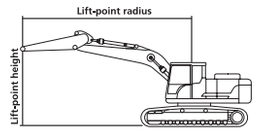
| | | | LONG ARM | LONG ARM NO Q/C |
|---|---|---|---|---|
| Bucket digging force | SAE | kN | 34 | 38 |
| | | kgf | 3,506 | 3,835 |
| | | lbf | 7,730 | 8,454 |
| | ISO | kN | 37 | 43 |
| | | kgf | 3,789 | 4,340 |
| | | lbf | 8,354 | 9,567 |
| Arm crowd force | SAE | kN | 22 | 24 |
| | | kgf | 2,271 | 2,392 |
| | | lbf | 5,007 | 5,273 |
| | ISO | kN | 23 | 24 |
| | | kgf | 2,308 | 2,457 |
| | | lbf | 5,008 | 5,417 |

## LIFTING CAPACITY

Cabin, 9' 2" (2.8 m) boom, 5' 5" (1.65 m) arm, 16" (400 mm) rubber track, no bucket, dozer down position. Rating over front / Rating over side or 360 degree

| Lift-point height ft (m) | | Lift-point radius | | | | | | | | | | At maximum reach | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 3.3 ft (1.0 m) | | 6.6 ft (2.0 m) | | 9.8 ft (3.0 m) | | 13.1 ft (4.0 m) | | 16.4 ft (5.0 m) | | Capacity | | Reach |
| | | | | | | | | | | | | | | ft (m) |
| 13.1 ft (4.0 m) | lb | | | | | | | *2,120 | *2,120 | | | *2,250 | 2,030 | 14.1 (4.30) |
| | (kg) | | | | | | | *(960) | *(960) | | | *(1,020) | (920) | |
| 9.8 ft (3.0 m) | lb | | | | | | | *2,140 | *2,140 | | | *2,160 | 1,610 | 16.2 (4.95) |
| | (kg) | | | | | | | *(970) | *(970) | | | *(980) | (730) | |
| 6.6 ft (2.0 m) | lb | | | | | *3,260 | *3,260 | *2,560 | 2,200 | *2,270 | 1,570 | *2,120 | 1,430 | 17.3 (5.28) |
| | (kg) | | | | | *(1,480) | *(1,480) | *(1,160) | (1,000) | *(1,030) | (710) | *(960) | (650) | |
| 3.3 ft (1.0 m) | lb | | | | | *4,670 | 3,200 | *3,090 | 2,120 | *2,470 | 1,520 | *2,230 | 1,390 | 17.6 (5.36) |
| | (kg) | | | | | *(2,120) | (1,450) | *(1,400) | (960) | *(1,120) | (690) | *(1,010) | (630) | |
| 0.0 ft (0.0 m) | lb | | | | | *5,290 | 3,090 | *3,440 | 2,050 | *2,560 | 1,500 | *2,400 | 1,430 | 17.1 (5.20) |
| | (kg) | | | | | *(2,400) | (1,400) | *(1,560) | (930) | *(1,160) | (680) | *(1,090) | (650) | |
| -3.3 ft (-1.0 m) | lb | *4,010 | *4,010 | *5,250 | *5,250 | *5,110 | 3,060 | *3,400 | 2,030 | | | *2,490 | 1,590 | 15.7 (4.79) |
| | (kg) | *(1,820) | *(1,820) | *(2,380) | *(2,380) | *(2,320) | (1,390) | *(1,540) | (920) | | | *(1,130) | (720) | |
| -6.6 ft (-2.0 m) | lb | *6,990 | *6,990 | *7,010 | 6,170 | *4,170 | 3,110 | *2,510 | 2,070 | | | *2,490 | 2,070 | 13.2 (4.01) |
| | (kg) | *(3,170) | *(3,170) | *(3,180) | (2,800) | *(1,890) | (1,410) | *(1,140) | (940) | | | *(1,130) | (940) | |

1. Lifting capacities are based on ISO 10567.
2. Lifting capacities of HX-A series do not exceed 75% of tipping load with the machine on firm, level ground or 87% of full hydraulic capacity.
3. The lift-point is bucket pivot mounting pin on the arm (without bucket mass).
4. (*) indicates load limited by hydraulic capacity.




Specifications and features are subject to change without notice.

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