

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		in ³ (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	in (mm)	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)
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	33.0 (125)	
Engine coolant	gal (ℓ)	3.0 (11.5)
Engine oil		2.0 (7.4)
Final drive (each)		0.3 (1)
Hydraulic tank	11.6 (44)	

UNDERCARRIAGE	
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/cm ²)	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.

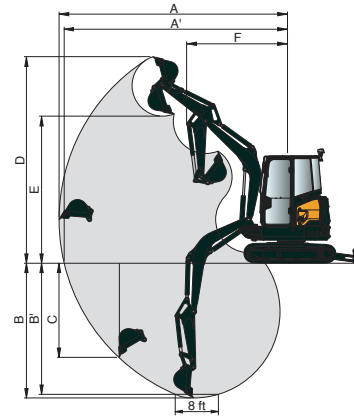
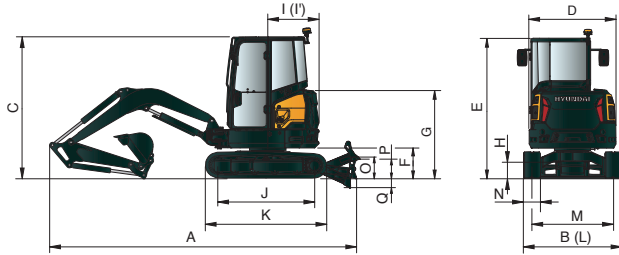
* The photos may include attachments and optional equipment that are not available in your area.

* 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		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	ft in (mm)	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	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)	ft in 11'1 (3,380)	11' 2" (3,095)
C Max vertical wall digging depth	(mm) 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	kN	34	38
	SAE kgf	3,506	3,835
	lbf	7,730	8,454
	kN	37	43
	ISO kgf	3,789	4,340
	lbf	8,354	9,567
Arm crowd force	kN	22	24
	SAE kgf	2,271	2,392
	lbf	5,007	5,273
	kN	23	24
	ISO 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
	(kg)							*(960)	*(960)			*(1,020)	(920)
9.8 ft (3.0 m)	lb							*2,140	*2,140			*2,160	1,610
	(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
	(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
	(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
	(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
	(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
	(kg)	*(3,170)	*(3,170)	*(3,180)	(2,800)	*(1,890)	(1,410)	*(1,140)	(940)			*(1,130)	(940)

- Lifting capacities are based on ISO 10567.
- 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.
- The lift-point is bucket pivot mounting pin on the arm (without bucket mass).
- (*) indicates load limited by hydraulic capacity.

Specifications and features are subject to change without notice.

