

HYUNDAI **CONSTRUCTION EQUIPMENT** **HX27Az** SPECIFICATIONS

Net Power
24.7 hp (18.2 kW)
at 2,400 rpm

Operating Weight
Canopy: 5,690 lb (2,580 kg)
Cabin: 5,920 lb (2,685 kg)

Bucket Digging Force (ISO)
4,584 lbf (2,079 kgf)

Arm Crowd Force (ISO)
3,199 lbf (1,451 kgf)

ENGINE			
Manufacturer		Kubota	
Model		D1305	
Type		Vertical, water-cooled 4-cycle IDI diesel engine	
Emission standard		Tier 4 Final	
Output	Gross	hp (kW)/rpm	25.2 (18.5)/2,400
	Net	hp (kW)/rpm	24.7 (18.2)/2,400
Peak torque		lbf (Nm)	60.0 (81.3)
Number of cylinders		4	
Bore × stroke		in (mm)	3.07" (78) × 3.46" (88)
Displacement		in ³ (cc)	77 (1,261)

HYDRAULIC SYSTEM			
Pump type		Variable-displacement tandem axis piston pumps	
Max. pressure		psi (bar)	3,130 (220)
Max. flow rate		gal (ℓ)/min	2 × 7.4 (28.2) + 5.3 (20.0)
Aux. flow rate (2 way)		gal (ℓ)/min	12.7 (48.0)

SERVICE REFILL CAPACITIES			
Fuel tank capacity		gal (ℓ)	7.9 (30.0)
Hydraulic capacity (tank)		gal (ℓ)	7.1 (27.0)

DRIVE SYSTEM			
Travel speed (high/low)		mph (km/h)	2.7 (4.35) / 1.5 (2.38)
Traction force		lb (kg)	5,000 (2,266)
Rubber track width		in (mm)	10" (250)
Ground pressure		psi (kgf/cm ²)	4.55 (0.32)

NOISE LEVEL			
LpA / LwA (2000/14/EC)		dB	70 / 102

ENGINE	
Mechanically controlled Kubota engine	●
Double-element air filter	●
Water separator with filter	●
HYDRAULIC SYSTEM	
Open-center hydraulic system	●
Two-speed travel with auto-shift	●
Pressure accumulator	●
Proportional aux. control	○
1-way aux. hydraulic line for breaker	●
2-way aux. hydraulic line for grapple	●
4-way aux. hydraulic line for rotating	○
Pattern change valve	○
CABIN & CANOPY	
Canopy	●
Cabin with heater	○
ROPS (Roll-Over Protective Structure, ISO12117-2)	●
FOPS (Falling-Object Protective Structure)	●
OPG (Operator Protective Guard) Level 1	○
Adjustable mechanical suspension seat	●
Travel levers with foot pedals	●
Emergency hammer for exit (cabin)	●
Power-assisted front window (cabin)	●
Travel alarm	●
LED beacon lamp	○
5" IP68-rated dust- and waterproof digital cluster	●
Radio with USB	○



SWING SYSTEM			
Swing speed		rpm	9.16
Boom length		ft in (mm)	6' 8" (2,030)
Arm length		ft in (mm)	3' 8" (1,120)
Bucket capacity, std. SAE		yd ³ (m ³)	0.09 (0.07)
Bucket width (with/without side cutter)		in (mm)	18.7 (474) / 17.0 (432)
Boom swing angle(LH/RH)		degree	75/50

OPERATING WEIGHT			
Canopy	Operating weight	lb (kg)	5,690 (2,580)
	Ground pressure	psi (kgf/cm ²)	4.11 (0.29)
Cabin	Operating weight	lb (kg)	5,920 (2,685)
	Ground pressure	psi (kgf/cm ²)	4.31 (0.30)

● Standard / ○ Option

CABIN & CANOPY	
12 V power socket	●
Side and rear mirrors	●
Cup holder	●
Horn	●

WORKING EQUIPMENT	
Zero-tail swing	●
Boom swing function	●
Arm with thumb bracket	●
Hyundai quick coupler	●
Quick coupler piping	●
Safety valves for dozer	○
Travel and swing motor with disc brake	●

1 halogen work light on boom	○
1 LED work light on boom	●
2 LED work lights on cabin	●

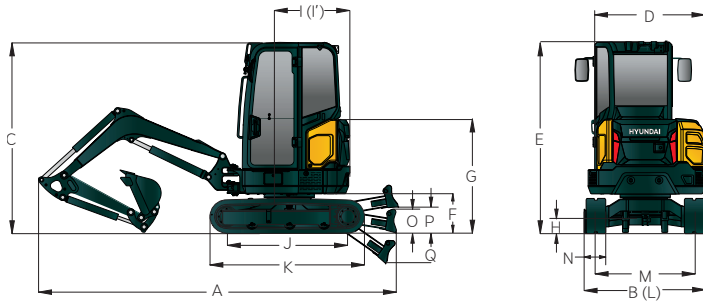
UNDERCARRIAGE	
Rubber track	●
Steel track	○

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.

DIMENSIONS & WORKING RANGE

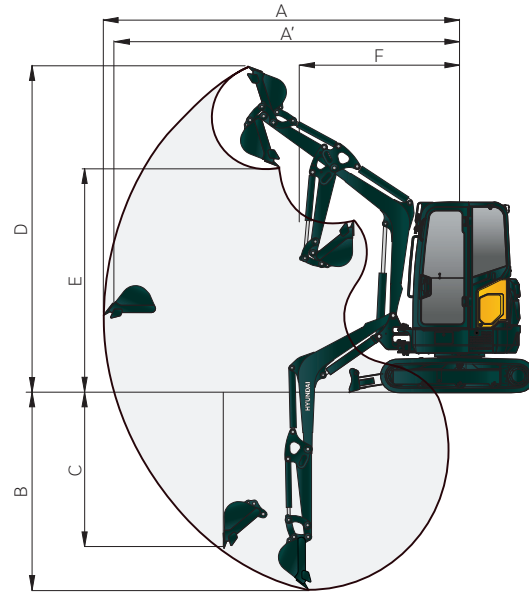
HX27Az



DIMENSIONS

Operating weight (Canopy/Cabin)	lb (kg)	5,690 (2,580) / 5,920 (2,685)
A Overall length		13' 7" (4,150)
B Overall width		5' 0" (1,534)
Overall width with dozer		5' 1" (1,550)
C Overall height		8' 1" (2,452)
D Overall width of upper structure		4' 11" (1,490)
E Overall height of cab		8' 1" (2,452)
F Ground clearance of counterweight		1' 8" (504)
G Overall height of engine hood		4' 11" (1,500)
H Minimum ground clearance		0' 7" (183)
I Rear-end distance	ft in	2' 7" (775)
I' Rear-end swing radius	(mm)	2' 7" (775)
J Distance between tumblers		5' 1" (1,550)
K Undercarriage length (without grouser)		6' 6" (1,975)
L Undercarriage width		5' 0" (1,534)
M Track gauge		4' 1" (1,250)
N Track shoe width, standard		0' 10" (250)
O Height of blade		1' 0" (300)
P Ground clearance of blade up		1' 1" (328)
Q Depth of blade down		1' 2" (348)

* All equipment dimension is based on standard boom/arm and counterweight.



WORKING RANGE

A Max. digging reach		15' 0" (4,560)
A' Max. digging reach on ground		14' 6" (4,420)
B Max. digging depth		8' 3" (2,515)
B' Max. digging depth (8' level)	ft in	6' 7" (2,000)
C Max. vertical wall digging depth	(mm)	5' 6" (1,670)
D Max. digging height		13' 8" (4,175)
E Max. dumping height		9' 5" (2,870)
F Min. swing radius		6' 9" (2,050)

DIGGING FORCE

Bucket digging force (ISO)	lbf (kgf)	4,584 (2,079)
Arm digging force (ISO)	lbf (kgf)	3,199 (1,451)

LIFTING CAPACITY

Boom : 6' 7" (2.03 m) / Arm : 3' 7" (1.12 m) / Dozer blade down : 10" (250 mm) rubber track

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)	4.9 ft (1.5 m)	6.6 ft (2.0 m)	8.2 ft (2.5 m)	9.8 ft (3.0 m)	11.5 ft (3.5 m)	13.1 ft (4 m)	Capacity	Reach				Capacity	Reach
11.5 ft (3.5 m)														
lb													*1,480	1,260
kg													*670	570
9.8 ft (3.0 m)					*1,320	1,170							*1,320	970
lb					*600	530							*600	440
kg														
8.2 ft (2.5 m)					*1,340	1,170	*1,410	900					*1,260	820
lb					*610	530	*640	410					*570	370
kg					*1,500	1,150	*1,480	900					*1,230	750
6.6 ft (2.0 m)					*680	520	*670	410					*560	340
kg														
4.9 ft (1.5 m)					*2,710	2,120	*2,050	1,480	*1,740	1,100	*1,590	880	*1,340	710
lb					*1,230	960	*930	670	*790	500	*720	400	*610	320
kg														
3.3 ft (1.0 m)									*2,580	1,410	*2,030	1,080	*1,740	860
lb									*1,170	640	*920	490	*790	390
kg														
1.6 ft (0.5 m)					*2,980	1,900	*2,950	1,370	*2,250	1,040	*1,870	840	*1,540	680
lb					*1,350	860	*1,340	620	*1,020	470	*850	380	*700	310
kg														
0.0 ft (0.0 m)					*3,480	1,870	*3,150	1,320	*2,380	1,010	*1,940	820	*1,590	710
lb					*1,580	850	*1,430	600	*1,080	460	*880	370	*720	320
kg														
-1.6 ft (-0.5 m)	*2,290	*2,290	*2,820	*2,820	*4,410	1,850	*3,130	1,320	*2,380	1,010	*1,900	820	*1,720	750
lb	*1,040	*1,040	*1,280	*1,280	*2,000	840	*1,420	600	*1,080	460	*860	370	*780	340
kg														
-3.3 ft (-1.0 m)	*3,310	*3,310	*4,140	3,130	*3,990	1,870	*2,890	1,320	*2,200	1,010			*1,760	860
lb	*1,500	*1,500	*1,880	1,420	*1,810	850	*1,310	600	*1,000	460			*800	390
kg														
-4.9 ft (-1.5 m)	*4,610	*4,610	*4,830	3,170	*3,220	1,900	*2,340	1,340					*1,790	1,100
lb	*2,090	*2,090	*2,190	1,440	*1,460	860	*1,060	610					*810	500
kg														
-6.6 ft (-2.0 m)					*1,630	*1,630							*1,630	*1,630
lb					*740	*740							*740	*740
kg														

- 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.

