

ZX26U-5N

SPECIFICATIONS

HITACHI

Reliable Solutions

LANDCROS

ENGINE	
Model	Yanmar 3TNV80F
Type	4-cycle water-cooled, vertical in-line special swirl combustion chamber injection
Aspiration	Natural
Aftertreatment	—
No. of cylinders	3
Rated power	
ISO 14396: Gross	20.7 hp (15.2 kW) at 2,500 rpm
ISO 9249: Net	20.3 hp (14.9 kW) at 2,500 rpm
Maximum torque	48.4 lbf-ft (65.6 Nm) at 1,800 min-1
Piston displacement	77 cu. in. (1.266 L)
Bore and stroke	3.1" x 3.3" (80 mm x 84 mm)
Batteries	1 x 12 V/36 Ah

HYDRAULIC SYSTEM			
Hydraulic Pumps			
Main pumps	Open-center with 2 variable-displacement, 1 fixed-gear pump and 1 pilot pump pumps		
Maximum oil flow	2 x 7.9 gal/m (2 x 30.0 L/min)		
Pilot pump	1 gear pump		
Maximum oil flow	8.9 gal/m (33.6 L/min)		
Auxiliary flow	12.2 gpm (46.30 L/min)		
Auxiliary pressure	2,495 psi (17.2 Mpa)		
Hydraulic Motors			
Travel	2 variable displacement axial piston motors		
Swing	1 axial piston motor		
Relief Valve Settings			
Implement circuit	3,553.4 psi (24.5 MPa)		
Swing circuit	2,697.7 psi (18.6 MPa)		
Travel circuit	3,553.4 psi (24.5 MPa)		
Pilot circuit	594.7 psi (4.1 MPa)		
Hydraulic Cylinders			
Unit: in (mm)			
	Quantity	Bore	Rod diameter
Boom (Canopy)	1	3.0" (75)	1.8" (45)
Boom (Cab)	1	3.0" (75)	1.8" (45)
Arm	1	2.6" (65)	1.6" (40)
Bucket	1	2.2" (55)	1.4" (35)
Blade	1	3.0" (75)	1.8" (45)
Boom swing	1	3.0" (75)	1.6" (40)

UPPERSTRUCTURE	
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	
Swing speed	9.1 rpm
Swing torque	2,655.2 lbf-ft (3.6 kNm)
Max boom swing angle, left/right	60 degrees/70 degrees

UNDERCARRIAGE	
Tracks	
Tractor-type undercarriage. Welded track frame using selected materials. Side frame welded to track frame	
Numbers of Rollers and Shoes on Each Side	
Upper rollers	1
Lower rollers	4
Travel Device	
Each track driven by 2-speed axial piston motor. Parking brake is spring-set/hydraulic-released disc type. Automatic transmission system: High-Low.	
Travel speeds	High: 0 to 2.8 mph (0 to 4.5 km/h)
	Low: 0 to 1.8 mph (0 to 2.9 km/h)
Maximum traction force	4,518.7 lbf (20.1 kN)
Gradeability	47% (25 degree) continuous

ENVIRONMENT	
Engine Emissions	EPA Final Tier 4
Sound Level	
Sound level in canopy according to ISO 6396: 2008	*LpA 79.4(right)/79.7(left) dB(A)
Sound level in cab according to ISO 6396: 2008	*LpA 79.3(right)/80.5(left) dB(A)
External sound level according to ISO 6395: 2008	*LwA 94.9(canopy),94.8(cab) dB(A)

SERVICE REFILL CAPACITIES	
Unit: gal (L)	
Fuel tank	8.3 (31.3)
Engine coolant	0.8 (3.12)
Engine oil	0.9 (3.69)
Travel device (each side)	0.2 (0.6)
Hydraulic system	10.3 (39.0)
Hydraulic oil tank	6.4 (24.1)

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WEIGHTS AND GROUND PRESSURE

Operating Weight and Ground Pressure

	Shoe width Unit: in (mm)	Operating weight Unit: lb (kg)	Ground pressure Unit: psi (kPa)
Rubber track and Canopy	12" (300mm)	5,560 lb (2,520 kg)	3.6 psi (25.0 kPa)
Rubber track and Cab	12" (300mm)	5,890 lb (2,670 kg)	3.8 psi (25.9 kPa)

With 3' 10" (1.17 m) Standard arm, Standard counterweight, Rubber track, Full fuel tank and 175 lb (79 kg) Operator

BASIC MACHINE WEIGHT AND COMPONENTS WEIGHT

Components Weight Unit: lb (kg)

Counterweight (Canopy)	531 lb (241 kg)
Counterweight (Cab)	459 lb (208 kg)

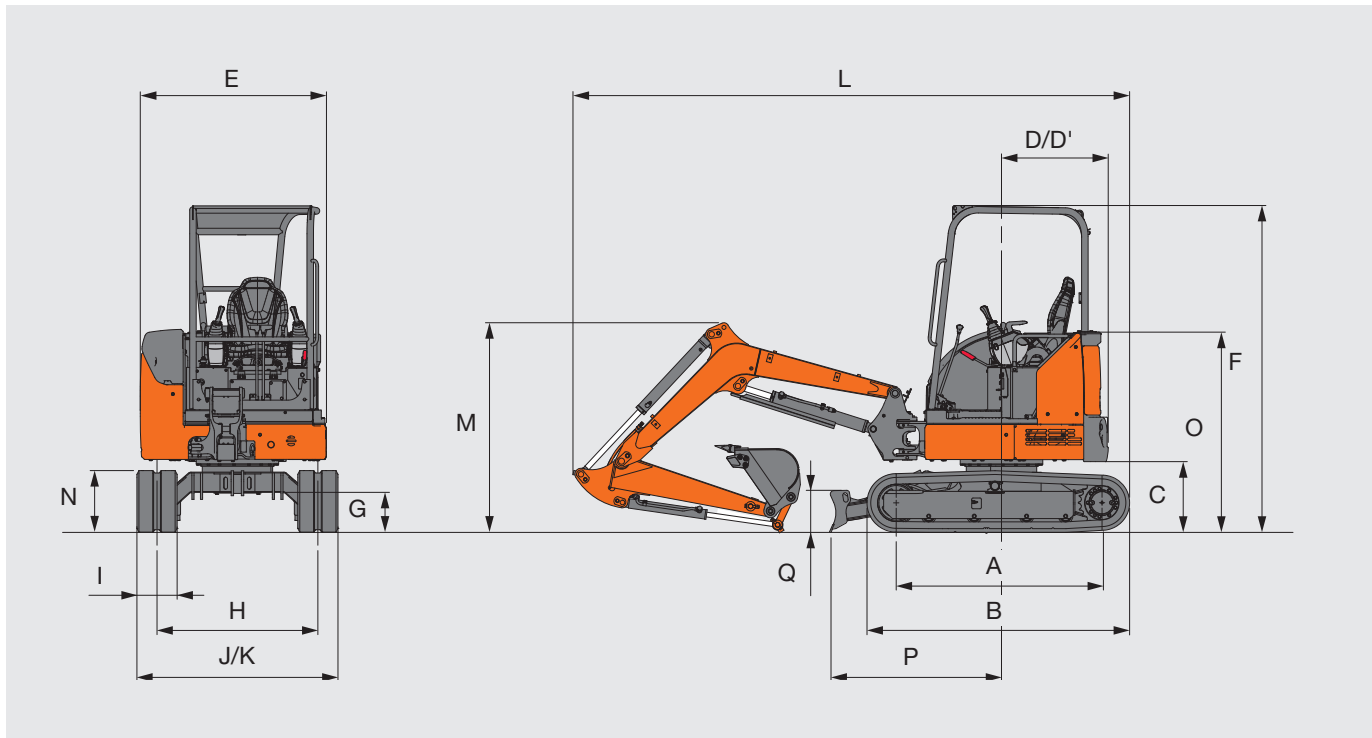
BUCKET AND ARM DIGGING FORCE

	Unit: lbf (kN)
Arm length	3' 10" (1.17 m)
Arm crowd force* (ISO 6015: 2006)	3,410 (15.17)
Bucket digging force* (ISO 6015: 2006)	4,994 (22.30)

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DIMENSIONS



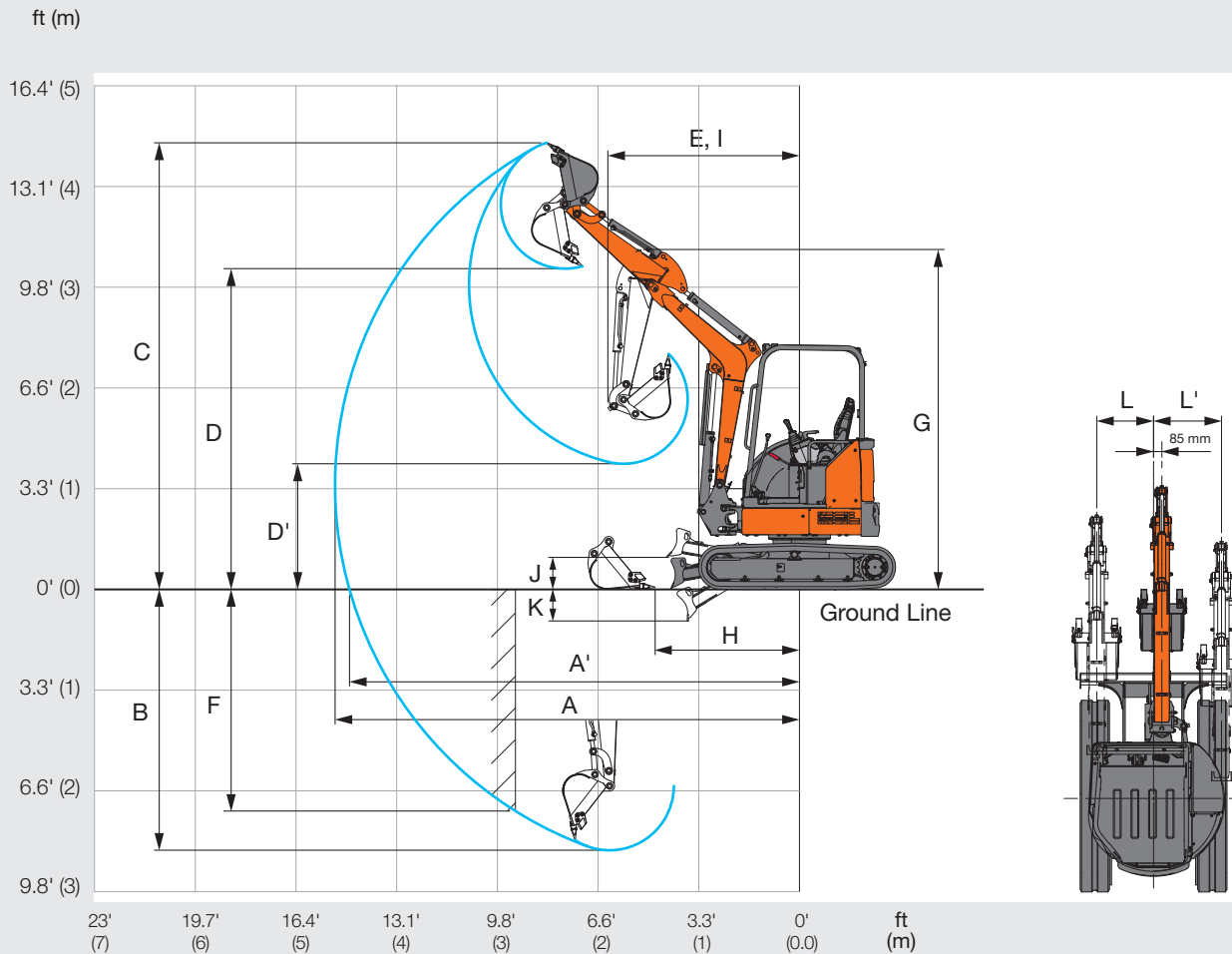
Unit: ft-in (mm)

		ZX26-5N (Canopy)	ZX26-5N (Cab)
A	Distance between tumblers	5' 0" (1,530)	5' 0" (1,530)
B	Undercarriage length	6' 5" (1,960)	6' 5" (1,960)
C	Counterweight clearance	1' 8" (530)	1' 8" (530)
D	Rear-end swing radius	2' 7" (800)	2' 7" (800)
D'	Rear-end length	2' 7" (800)	2' 7" (800)
E	Overall width of upperstructure	4' 7" (1,390)	4' 8" (1,420)
F	Overall height of canopy/cab	8' 0" (2,430)	8' 0" (2,430)
G	Min. ground clearance	11" (300)	11" (300)
H	Track gauge	3' 11" (1,200)	3' 11" (1,200)
I	Track shoe width	12" (300)	12" (300)
J	Undercarriage width	4' 11" (1,500)	4' 11" (1,500)
K	Overall width	4' 11" (1,500)	4' 11" (1,500)
L	Overall length blade in front	13' 9" (4,190)	13' 9" (4,190)
M	Overall height of boom	5' 2" (1,570)	5' 2" (1,570)
N	Track height	1' 6" (465)	1' 6" (465)
O	Engine cover height	4' 11" (1,490)	4' 10" (1,470)
P	Horizontal distance to blade	4' 2" (1,280)	4' 2" (1,280)
Q	Blade height	1' 1" (320)	1' 1" (320)

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WORKING RANGES



Unit: ft-in (mm)

		ZX26U-5N (Canopy)	ZX26U-5N (Cab)
Arm length		3' 10" (1,170)	3' 10" (1,170)
A	Max. digging reach	15' 2" (4,630)	15' 2" (4,630)
A'	Max. digging reach (on ground)	15' 0" (4,570)	15' 0" (4,570)
B	Max. digging depth	8' 6" (2,590)	8' 6" (2,590)
C	Max. cutting height	14' 7" (4,450)	14' 1" (4,280)
D	Max. dumping height	10' 6" (3,190)	10' 0" (3,040)
D'	Min. dumping height	3' 8" (1,120)	3' 5" (1,030)
E	Min. swing radius	6' 4" (1,920)	6' 7" (2,010)
F	Max. vertical wall digging depth	7' 3" (2,200)	7' 3" (2,200)
G	Front height at Min. swing radius	11' 1" (3,380)	10' 10" (3,290)
H	Min. level crowding distance	4' 8" (1,430)	4' 8" (1,430)
I	Working radius at Min. swing radius (Max. boom-swing angle)	4' 2" (1,280)	4' 4" (1,320)
J	Blade bottom highest position	1' 1" (320)	1' 1" (320)
K	Blade bottom lowest position	1' 1" (320)	1' 1" (320)
L/L'	Offset distance, left / right	1' 10" (560) / 2' 3" (700)	1' 10" (560) / 2' 3" (700)

LIFTING CAPACITIES

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

ZX26U-5N	3' 10" (1.17 m) Standard Arm, Standard Counterweight, and Rubber Track			
	Canopy		Cab	
	Over Front*	Over Side*	Over Front*	Over Side*
Ground Level at 10' (3.0 m) Radius	2,667 lb (1,210 kg)	802 lb (364 kg)	2,667 lb (1,210 kg)	871 lb (395 kg)

*Blade down (limited by hydraulics).

EQUIPMENT

ZX26U-5N

●: Standard equipment ○: Optional equipment

ENGINE	ZX26U-5N
Yanmar 3TNV80F 77 cu. in. (1.266 L)	●
ISO 9249: 2002 20.3 hp (14.9 kW) at 2,500 rpm	●
ISO 14396: 2002, 20.7 hp (15.2 kW) at 2,500 rpm	●
40 amp alternator, 12 volt	●
Antifreeze	●
Certified to EPA Tier 4 Final	●
Electric fuel shutoff	●
Fan guard	●
Fuel filter & water separator	●
Glow plugs cold start aid	●
Isolation mounted under hood	●
Low maintenance battery	●
Single dry-type air filter	●

HYDRAULIC SYSTEM	ZX26U-5N
Auxiliary function control and right hand pilot lever	●
Auxiliary hydraulic lines with a selector valve to arm	●
Auxiliary valve section	●
Axial plunger swing motor	●
Boom swing foot control	●
Excavator to backhoe control pattern change	●
Full flow oil filter	●
Hydraulic pilot controls for boom, arm, bucket, swing, blade and propel	●
Open center with two variable displacement pumps and one fixed gear pump	●
Propel brake	●
Wet disk swing brake	●

UNDERCARRIAGE	ZX26U-5N
12" (300 mm) rubber track	●
Axial plunger propel motor	●
Backfill blade 4' 11" (1.5 m)	●
Planetary final drive	●
Propel motor shield	●
Two speed travel with automatic shifting	●

UPPER STRUCTURE	ZX26U-5N
360 degree upper structure rotation	●
Counterweight	●
Canopy; 531 lb (241 kg)	●
Cab: 459 lb. (208 kg.)	○
Independent boom swing (60 degree left and 70 degree right rotation)	●
ROPS/OPG/FOPS canopy	●
ROPS/OPG/FOPS cab with heater	○
Vandal locks for service doors	●
NEW LED work light, mounted on boom	
One mounted on boom	●
One mounted on canopy (cab)	●
Zero swing configuration	●
NEW Battery disconnect switch	●

FRONT ATTACHMENTS	ZX26U-5N
Boom 6' 11" (2.10 m)	●
Arm 3' 10" (1.17 m)	●
Mechanical quick coupler	●

OPERATOR'S STATION	ZX26U-5N
12 Volt outlet	●
NEW 3 in. retractable seat belt	●
Adjustable seat	●
NEW CAB front window power assist dampener (CAB only)	○
Cupholder	●
Horn	●
Instrumentation lights	●
Monitor system with:	
Alternator voltage warning indicator	●
Engine coolant overheat indicator and alarm	●
Engine oil pressure warning light and alarm	●
Engine preheat indicator	●
Engine oil pressure warning light with low fuel indicator	●
Fuel gauge and warning light	●
Hour meter	●
Low engine coolant temperature indicator	●
Travel mode indicator	●
Two travel modes with automatic shifting and speed selection switch	●
Motion alarm with cancel switch	●
Operator manual storage in back of seat	●
Propel levers and foldable pedals	●
NEW USB power outlet (CAB only)	○
Work light switch	●

QUICK LINKS	ZX26U-5N
Website's Product Page	