

COMPACT EXCAVATOR



JOHN DEERE

E36ZS



SIZABLE
IMPACT



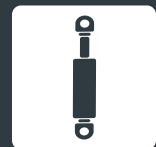
TAKE A **LOOK AROUND**

Four-way adjustable windshield and sliding side windows enable excellent all-around visibility while improving airflow.



WORK IN **TIGHT SPACES**

Zero-tail-swing design allows the operator to rotate the machine in confined areas. Independent boom swing provides additional maneuverability of the attachment in tight working conditions.



SMOOTH CONTROL

Load-sensing hydraulic system efficiently manages power for multiple functions, delivering smooth boom and bucket control with minimal effort.



ZERO IN ON **PRODUCTIVITY**

With its compact size and zero-tail-swing design, the small but mighty E36ZS Excavator maneuvers easily within close quarters. And with impressive stability, dig depth, and reach, it's plenty productive. The spacious cab and smooth, intuitive controls provide daylong comfort and operating ease. Power/economy modes, minimal maintenance, and large fuel tanks help keep uptime up and expenses down. So you can boost productivity at a low cost.



STANDARD BACKFILL BLADE

Backfill blade adds versatility, allowing the E36ZS to grade, cleanup and fill. Provides extra stability when working on uneven terrain, too.



GET COMFORTABLE

Spacious operator station features plenty of head and legroom, an adjustable seat and armrests, numerous storage compartments, and a USB charging port and auxiliary input for your digital devices.



EASY TO MAINTAIN

Cab tilt provides quick access to maintenance components. Large engine hood and removable covers open wide to speed ground-level service. Grease fittings are also within easy reach.



E36ZS SPECIFICATIONS

Engine		E36ZS	
Manufacturer and Model	Yanmar 3TNV88-BPWN		
Non-Road Emission Standard	EU Stage IIIA		
Gross Rated Power (ISO 14396)	22.2 kW at 2,400 rpm		
Maximum Gross Torque (SAE J1995 and ISO 3046)	106.6 Nm at 1,440 ±1 00 rpm		
Cylinders	3		
Piston Displacement	1.642 L		
Off-Level Ability	30-deg. continuous, 35-deg. intermittent		
Cooling			
Puller-type cooling fan			
Hydraulics			
Designed for high digging capacity, productivity, and operating precision, and excellent fuel economy			
Main Pump	Variable-displacement pump + gear pump		
Maximum Discharge Flow	2 x 45.5 L/min + 23.75 L/min + 11.25 L/min (2 x 17 cc/rev + 9.5 cc/rev + 4.5 cc/rev @ 100% efficiency)		
Pilot Unit			
Type	Onboard pilot unit on the pump with safety valve and 2-speed control valve		
System Operating Pressure			
Circuits			
Implement	24.0 + 24.0 + 20.6 MPa		
Travel	24.0 MPa		
Swing	19.6 MPa		
Pilot	3.5 MPa		
Auxiliary	Preset to 24.0 MPa 1-way mode		
Controls	Hydraulic pilot controls with hydraulic-enable lever		
Travel System			
Drive Method	Open-loop hydrostatic type		
Travel Motor	Axial-piston motor		
Maximum Drawbar Pull	2716 kN		
Travel Speeds			
Low	2.7 km/h		
High	4.8 km/h		
Parking Brake	Wet, multi disc		
Cylinders			
	<i>Bore Diameter</i>	<i>Rod Diameter</i>	<i>Stroke</i>
Boom	85 mm	45 mm	556 mm
Arm	75 mm	45 mm	658 mm
Bucket	70 mm	40 mm	490 mm
Swing System			
Swing Motor	Axial-piston motor		
Swing Reduction System	Planetary gear reduction		
Swing Gear Lubrication	Grease bath		
Swing Brake	Wet, multi-disc		
Swing Speed	9.5 rpm		
Swing Torque	5170 Nm		
Undercarriage LC			
X-leg type center frame with forged swing bearing support is integrally welded with reinforced box-section track frames; includes lubricated rollers, idlers, track adjusters (with shock-absorbing spring), and greased and sealed track chain with double-grouser shoes			
Track Frame	Pentagonal box type		
Number of Shoes (each side)	43		
Rollers (each side)			
Carrier	1		
Track	4		
Track Guides (each side)	2		
Standard Shoe Size	300-mm double grouser		
Weight and Ground Pressure			
Standard configuration with 500-mm bucket			
Double-Grouser Shoe Width	300 mm		
Operating Weight	3718 kg		
Ground Pressure			
Steel Tracks	40.2 kPa		
Rubber Tracks	42.2 kPa		
Standard Counterweight	470 kg		

While general information, pictures, and descriptions are provided, some illustrations and text may include product options and accessories NOT AVAILABLE in all regions, and in some countries products and accessories may require modifications or additions to ensure compliance with the local regulations of those countries.

E36ZS SPECIFICATIONS



Electrical System

E36ZS

Batteries	12V (1 X 12 volt, 71 Ah, 640 CCA [EN])
Alternator Rating	55 amp

Serviceability

Refill Capacities (standard fill)

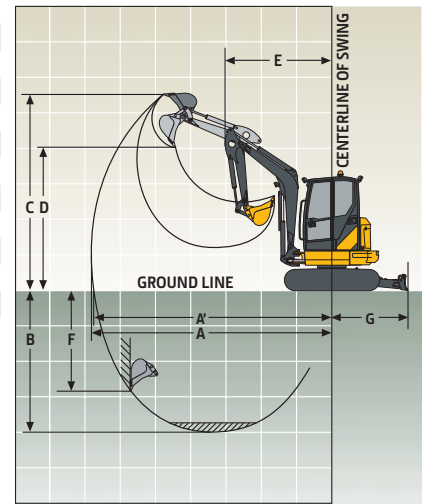
Fuel Tank	44 L
Engine Coolant	5 L
Engine Oil	6.7 L
Travel Final Device (each side)	0.33 L
Hydraulic System	65.5 L
Hydraulic Tank	61.5 L

Operating Dimensions

Standard Boom

Standard Dipperstick
Tooth

Tool Force	
Bucket	35.0 kN
Arm	21.1 kN
A Maximum Reach	5506 mm
A' Maximum Reach at Ground Level	5391 mm
B Maximum Digging Depth	3247 mm
C Maximum Cutting Height	4925 mm
D Maximum Loading Height	3336 mm
E Minimum Slew Radius	1863 mm
F Maximum Vertical Wall Digging Depth	2123 mm
G Tail-Swing Radius (with added counterweight)	933 mm

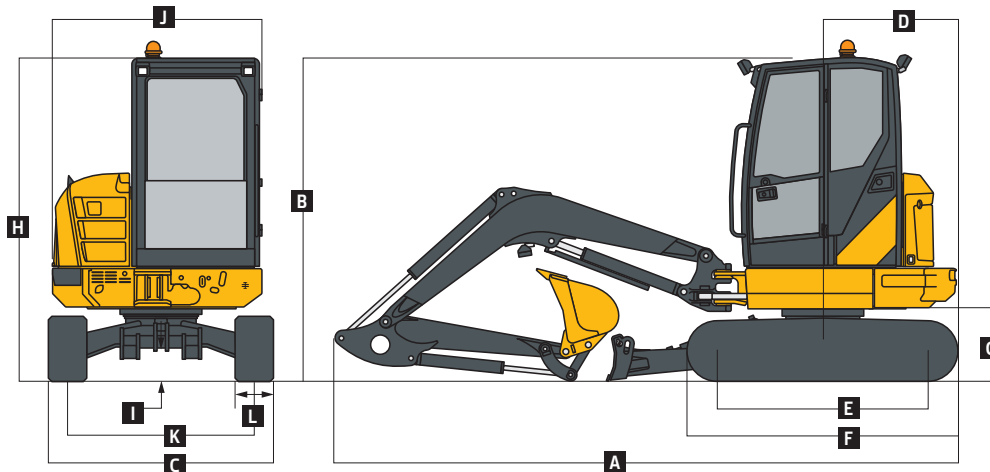


Overall Dimensions

Standard Boom

Standard Dipperstick

A Overall Length	5503 mm
B Overall Height	2491 mm
C Overall Width (over tracks)	1750 mm
D Tail-Swing Radius	933 mm
E Tumbler Distance	1604 mm
F Overall Length of Crawler	2062 mm
G Counterweight Clearance	568 mm
H Overall Height (to top of cab)	2491 mm
I Ground Clearance	251 mm
J Overall Width of Upperstructure	1630 mm
K Track Gauge	1450 mm
L Shoe Width	300 mm



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E36ZS Lift Capacities

Boldface type indicates stability-limited capacity; lightface type indicates hydraulically limited capacities, in kg. Lift capacities are based on ISO 10567, 75 percent of minimum tipping load or 87 percent of hydraulic lift capacity, whichever is the lower. Lift capacities highlighted are based on hydraulic capacity and assume the machine is situated on firm, level ground.

LOAD POINT HEIGHT	HORIZONTAL DISTANCE FROM CENTERLINE OF ROTATION							
	2.0 m		3.0 m		4.0 m		Maximum Reach	
	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side
4.0 m			679	679			725	725
3.0 m			621	621	708	531	707	494
2.0 m	1171	1171	847	816	752	520	747	419
1.0 m			1200	752	874	496	780	389
Ground Line	2555	1329	1411	712	966	477	820	397
-1.0 m	2289	1340	1384	705	925	474	862	453
-2.0 m	1661	1379	1032	727			870	646

Contact your John Deere dealer for optimum bucket and attachment selections. These recommendations are for general conditions and average use. Does not include optional equipment such as thumbs or couplers. Larger buckets may be possible when using light materials, for flat and level operations, less compacted materials, and volume-loading applications such as mass-excavation applications in ideal conditions.

Additional equipment

Key: ● Standard ▲ Optional or special See your John Deere dealer for further information.

E36ZS Engine

- Meets EU Stage IIIA emissions
- Engine coolant to -37 deg. C
- Engine preheater
- Fan guard
- Fuel/water separator
- Full-flow oil filter
- Isolation mounted
- Key start switch with electric fuel shutoff
- Under-hood dual-element air cleaner with dust-evacuator valve
- Under-hood muffler
- Auto-idle

Hydraulic System

- Auxiliary function right-hand pilot-lever control
- Auxiliary hydraulic lines to end of boom
- ▲ Secondary auxiliary hydraulic-control circuit
- Auxiliary return-flow selector valve
- ▲ Boom-, arm-, and blade-controlled load lowering devices (availability varies by region)
- Axial-piston swing motor
- Boom-swing foot control
- Open center with 1 variable-displacement pump and 1 fixed-gear pump
- Hydraulic pilot-operated controls for boom, arm, bucket, swing, boom swing, blade, travel, and auxiliary functions
- Mechanical swing brake

Undercarriage

- Planetary final drive
- Propel motor shield
- 2-speed axial-piston propel motors
- Rubber track, 300 mm (availability varies by region)
- Steel track, 300 mm (availability varies by region)

Upperstructure

- 360-deg. rotation
- Counterweight, 470 kg
- ▲ Additional bolt-on counterweight, 153 kg
- Hinged service-access doors

E36ZS Upperstructure (continued)

- Canopy with ROPS/TOPS/FOPS
- ▲ Cab with ROPS/TOPS/FOPS, air conditioning, and heater
- Vandal protection for service doors and fuel cap
- Zero-tail-swing configuration

Front Attachments

- Arm, 1400 mm
- Backfill blade, 1750 mm
- Boom, 2.52 m
- ▲ Plumbing for hydraulic quick-coupler

Operator's Station

- Horn
- Hour meter
- Instrumentation lights
- Monitor system: Preheat indicator / Engine oil pressure indicator / Alternator voltage indicator / Fuel gauge / Engine coolant temperature gauge and engine coolant temperature indicator / Hour meter
- Work-lights switch
- Propel levers and foldable pedals
- 2 travel speeds with automatic shifting
- Seat belt, 51 mm, retractable
- Seat fore/aft adjustment
- ▲ Mid-back cloth seat with mechanical suspension (cab only)
- ▲ Mid-back vinyl seat with mechanical suspension (canopy only)

Electrical

- 12-volt accessory outlet
- ▲ USB accessory outlet (cab only)
- Alternator, 55 amp
- Low-maintenance battery
- Blade-type multi-fused circuits
- Positive-terminal battery covers

Lights

- Work lights: LED / 2 mounted on operator's station front / 1 mounted on boom / 1 mounted on operator's station rear
- ▲ LED beacon (strobe)



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