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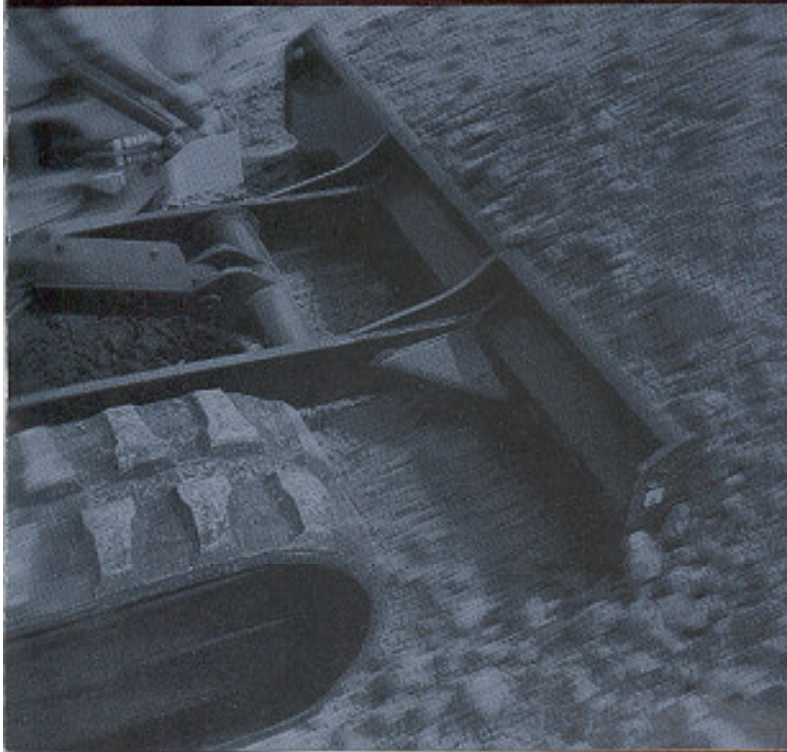
CONSTRUCTION EQUIPMENT DIVISION

EXCAVATORS



MODEL NO.

27ZTS



Zero-Tail-Swing, 100-percent versatility

Unlike conventional compacts, the 27ZTS Excavator's zero-tail-swing design and independent-swing boom enable this 2.7-metric-ton machine to slip into close-quarters comfortably. And work with ease in or around structures and other obstacles.

But it's not just this nimble excavator's ZTS design and small stature that make it such a valuable asset. With standard quick-coupler, auxiliary hydraulics, and equipped with any of the many John Deere Worksite Pro™ attachments, the 27ZTS Excavator is one capable compact. And perfect for a wide variety of work.



Forget the shovels. Back-breaking tasks are a lot less work when you tackle them with a 27ZTS.

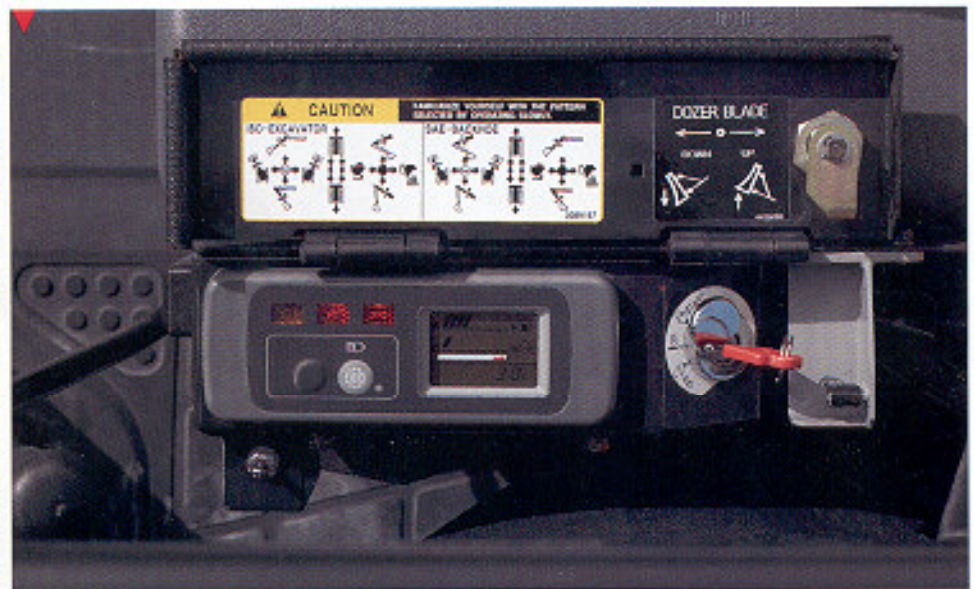
Rubber tracks enable the 27ZTS to traverse virtually any terrain and are especially welcome on paved surfaces. Steel tracks are also available. Backfill blade is standard. ▼

27ZTS

Perhaps best of all, the 27ZTS is backed by Deere's exclusive CounterParts® promise, 12-month SECURE™ warranty, extensive preventive maintenance programs, and nationwide dealer network.



Low-effort pilot controls (below left) direct an open-center variable-displacement hydraulic system for smooth, combined-function performance. Their ergonomically correct design helps unfamiliar operators become proficient quickly. Systems monitor (below) with lockable steel cover displays vital operating information.



◀ You won't bust your tail maintaining a 27ZTS, either. All doors open wide, providing easy access to daily service points, cooling system, fuel filters, and battery.

Control-pattern selector valve easily accommodates operator preferences. Go from backhoe to excavator-style controls with a twist of your wrist. ▶



PUT MORE work



▲ Armed with quick-coupler and auxiliary hydraulics, the 27ZTS's possibilities are almost endless. So go ahead – add any of the many buckets or Worksite Pro attachments and watch utilization take off.

Standard mechanical quick-coupler makes fast work of bucket and attachment switchover. ▶

The 27ZTS comes attachment-ready ▶ with boom-mounted auxiliary hydraulic lines and a return-flow selector valve that accommodates both one- and two-way hydraulically actuated attachments. So you can easily go from breaker to auger to whatever the work demands.



Chain and planetary hex-drive augers utilize a wide variety of heavy-duty, rock, and shrub bits.



Heavy-duty digging buckets range from 12 to 24 inches wide. Teeth are replaceable.



within reach



Bust through blacktop, concrete, and other hard surfaces with a hydraulic breaker.



Add a hydraulic clamp and use it with the bucket for handling cumbersome objects.



Grapple/clamp combination works well for clearing jobs, handling brush, and light demolition work.

WORKSITE PRO ATTACHMENTS

Buckets

- 12-in. (1.5 cu. ft.) heavy-duty bucket
- 16-in. (2.1 cu. ft.) heavy-duty bucket
- 20-in. (2.8 cu. ft.) heavy-duty bucket
- 24-in. (3.4 cu. ft.) heavy-duty bucket
- 30-in. (4.4 cu. ft.) ditch-cleaning bucket

Hydraulic clamp

- 22-in. 4-tong grapple

- HB15 hydraulic breaker (150 ft/lb impact energy)
- HB30 hydraulic breaker (300 ft/lb impact energy)
- HB50 hydraulic breaker (500 ft/lb impact energy)

CA15 chain-drive auger

PA15 hex-drive planetary auger

◀ Thirty-inch-wide ditch-cleaning bucket handles loose or sloppy material. Cutting edge is replaceable.

▲ Zero tail swing, maximum versatility – that's the 272TS. Nobody gives you the freedom of choice you get from Deere.

27ZTS

EXCAVATOR

SPECIFICATIONS

CONSTRUCTION EQUIPMENT DIVISION

JD

Engine 27ZTS

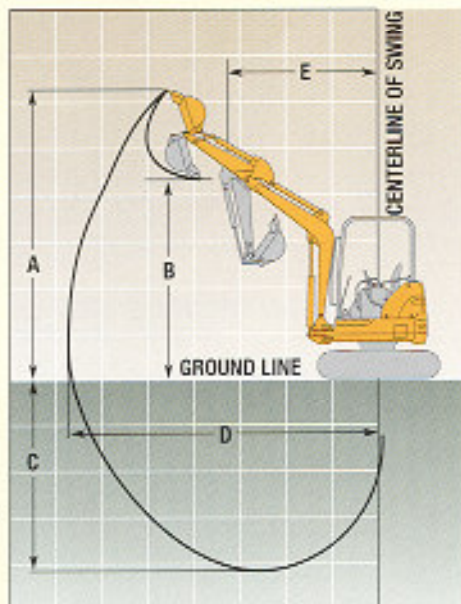
Make	Isuzu
Model	3L01
Fuel	Diesel
Cooling	Liquid
Displacement	91.5 cu. in. (1.5 L)
Horsepower	22 hp (16.2 kW) @ 2,450 rpm

Performance

Operating weight	8,360 lb. (2835 kg)
Maximum travel speed	
Low	1.5 mph (2.4 km/h)
High	2.94 mph (4.7 km/h)
Hydraulic pumps	3 total
Type	2 piston and 1 gear
Total capacity	
Piston	7.8 gpm (29.4 L/min.) x 2
Gear	4.2 gpm (15.9 L/min.)
Auxiliary flow	12 gpm (45.4 L/min.)
Fuel tank capacity	10.5 gal. (40 L)
Hydraulic tank capacity	7.9 gal. (30 L)
Standard rubber track	
Width	11.8 in. (300 mm)
Ground pressure	29.1 kPa (4.22 psi)

Working Range

Transport length	13 ft. 11 in. (4260 mm)
Arm length	3 ft. 10 in. (1170 mm)
A Maximum digging height	13 ft. 11 in. (4240 mm)
B Maximum dumping height	9 ft. 10 in. (3000 mm)
C Maximum digging depth	8 ft. 8 in. (2650 mm)
D Maximum digging reach	15 ft. 5 in. (4700 mm)
E Minimum front swing radius	6 ft. 8 in. (2040 mm)
Bucket breakout force	5,071 lb. (2300 kg)
Arm breakout force	3,329 lb. (1510 kg)



Lift Capacities

	Over front, blade down	Over side
Ground level at 10-ft. radius	2,239 lb. (1015 kg)*	1,010 lb. (458 kg)

*Limited by hydraulics.

Drive

each track is independently driven by a hydrostatic axial-piston motor connected to a two-stage planetary gear reduction box

Swing System

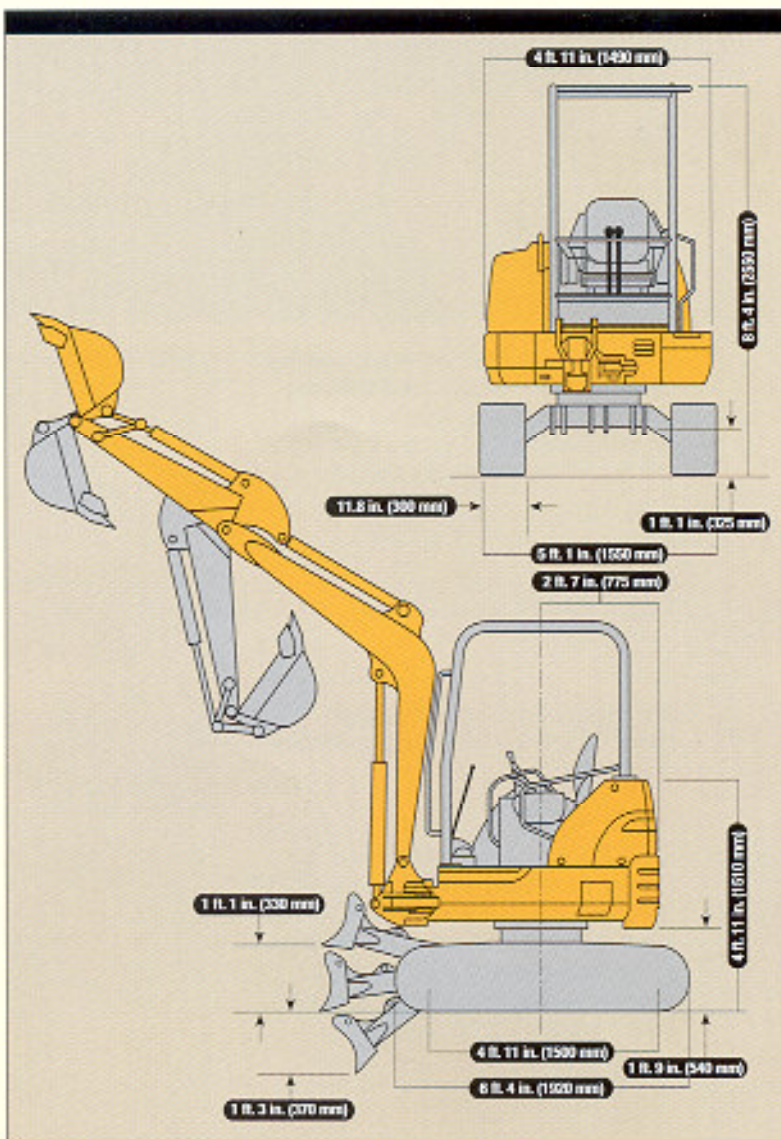
Swing speed	8.1 rpm
Tail swing radius	2 ft. 7 in. (775 mm)
Boom swing	
Left	66 degrees
Right	66 degrees

Blade

Blade width	5 ft. 1 in. (1530 mm)
Blade height	13.8 in. (350 mm)
Maximum lift, above ground	1 ft. 1 in. (330 mm)
Maximum drop, below grade	1 ft. 3 in. (370 mm)

Options

- Cab
- Steel track



Net engine power is with standard equipment including air cleaner, exhaust system, alternator, and cooling fan, at standard conditions per SAE J1349 and DIN 62705, using No. 2-D fuel at 35 API gravity. No derating is required up to 10,000 ft. (3050 m) altitudes. Gross power is without cooling fan.

Specifications and design subject to change without notice. Wherever applicable, specifications are in accordance with SAE standards. Except where otherwise noted, these specifications are based on a canopy unit with 20-in. (508 mm), 2.8-cu. ft. (0.08 m³) bucket; 11.8-in. (300 mm) rubber track; 672-lb. (305 kg) counterweight; full fuel tank; and 175-lb. (79 kg) operator. Lift capacities shown are for base machine above with mechanical quick coupler, less bucket.

