



9027FzTs

Engine	Yanmar 3TNV80F-SNLY
Rated Power	15.2 kW @ 2,500 rpm
Operating Weight	2,680 kg - 2,750 kg
Bucket Capacity	0.035 - 0.11 m ³





OUR STORY: BUILT TO LAST

For decades, LiuGong has designed tough and reliable excavators that empower operators to excel in all conditions – from the heat of the Sahara to the cold of the Antarctic. Combining strength, ease of use, and intelligent innovation, our machines deliver outstanding performance in the most demanding applications.

Since launching our first hydraulic excavator in 1992, we’ve remained committed to building machinery for the harshest environments. Our E-Series and F-Series combine cutting-edge technology, durability, and efficiency. While much has evolved, our dedication to quality, innovation, and customer-focused design remains constant.

1992

In 1992, LiuGong produced its first excavator, the WY40, starting entering the excavator industry.

The 1st Generation: WY series Pioneers in the industry.

2001

In 2001, LiuGong Excavator Factory was inaugurated, embarking on the journey to fulfill our dreams.

2006

In January 2006, Liuzhou LiuGong Excavators Co., Ltd. was established.

2010

In 2010, LiuGong's Eastern China R&D and manufacturing base and LiuGong Changzhou Excavator company began operation.

2015

In 2015, LiuGong excavators began local production in India , marking a significant step toward overseas manufacturing and globalization.

2020

The 6th Generation: Full-electric F Series

Powering the future with green energy.

2022

In December 2022, the foundation stone for the LiuGong International Intelligent Industrial Park was laid.

2024

In July 2024, the 100,000th excavator rolled off the production line at LiuGong Changzhou manufacturing base.

In December 2024, LiuGong Excavator Intelligent Factory achieved a monthly production milestone of over 1,000 excavators.

1992

1997

The 2nd Generation: 2 series

Self-developed with performance comparable to industry level in the 1980s.

2004

The 3rd Generation: C series

With performance competitive with global leading brands.

2009

The 4th Generation: D series

With advanced performance and manufacturing technology in China.

2011

The 5th Generation: E series

Achieved world-class levels with classic design, featuring low noise, high-efficiency energy-saving, and first-class controllability.

2019

In 2019, LiuGong launched 3 large battery electric vehicles (BEVs) at BICES, including the world's first 20-ton class full-electric excavator.

The 6th Generation: F series

Designed with ingenuity, integrating latest technology, intelligence, and environmental protection, reached world advanced level.

2021

In April 2021, Xi Jinping, President of China, inspected LiuGong.

The 6th Generation: F series with unmanned and fully intelligent technology

2023

In November 2023, LiuGong Excavator Intelligent Factory was successfully put into operation.

2025

In April 2025, LiuGong successfully launched the 9200F, marking Liugong excavators have entered a brand-new phase of development.

Where Excellence is Forged

- Smart Production: Automated lines and robotics work in precise synergy, ensuring accuracy and efficiency in every step.
- Refined Craftsmanship: Decades of dedication are refined into every detail, with an unwavering commitment to perfection.

Global Network: Strategically located in Liuzhou, Changzhou and beyond, our manufacturing bases form a worldwide web of R&D and production.

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TOUGH WORLD. TOUGH EQUIPMENT. 3

AN EXCAVATOR RANGE YOU CAN TRUST

From 1.7 to 135 ton, you can trust Liugong to deliver the right excavator for the right application.



MINI EXCAVATORS 1.7-4 TON

9017FzTs	9027FzTs
9018F	9035FzTs

SMALL EXCAVATORS 4-10 TON

9051FzTs	909ECR
9057FzTs	909FCR

MEDIUM EXCAVATORS 10-42 TON

913FCR	923FN	930F
915FCR	924F	933F
915F	925FCR	936F
917F	926F	939F
922F	928F	942F

LARGE EXCAVATORS >42 TON

952F	995F
956F	9135F
975F	

ENGINEERED FOR EFFICIENCY, BUILT TO CUT COSTS.

PRODUCTIVITY & RELIABILITY



COMPACT WITHOUT COMPROMISE

EU STAGE V POWER YOU CAN TRUST

The Yanmar engine delivers clean, efficient performance across every job, ensuring compliance without compromising productivity. The Auto Idle control reduces unnecessary fuel consumption, lowering your operating costs and reducing emissions.

ENHANCED TERRAIN PERFORMANCE (UPGRADED)

The diameter of the travel motor has been increased to deliver a 24% boost in traction force and a 24% improvement in gradeability, empowering the machine to conquer more challenging and complex terrain.



PROTECTED PERFORMANCE

Dig-end pipework is routed inside the boom, preventing leaks and pressure loss caused by hose damage. This ensures a consistent power, speed, and movement stability—whether in demolition, forestry, or confined spaces.



REINFORCED FOR TOUGH JOBS

The dozer blade now features a 30% larger guard plate for maximum durability, reducing downtime and cutting maintenance costs.



OPTIMISED QUICK-COUPLER PIPEWORK ROUTING

Quick coupler pipework is engineered inside the linkage, reducing hose wear from abrasion and impacts. You don't need to worry about hose wear even with frequent attachment changes.

ENGINEERED TO MASTER CONFINED SPACES AND COMPLEX CHALLENGES

MANEUVERABILITY & VERSATILITY



MANEUVERABILITY & VERSATILITY



ZERO TAIL SWING FOR TOTAL CONFIDENCE

Rotate freely within the track width and work safely in tight urban spaces without risk of tail-end damage.



CLEARING EFFICIENCY

The longer arm dozer blade option allows the bucket to be pulled all the way back to the dozer blade to prevent material buildup and improve clearing performance.



OFFSET DIGGING, REDEFINED PRECISION

These premium hydraulic systems make your machine a versatile work tool, enabling the use of advanced tools like tilt rotators and hydraulic shears. Additionally, the dedicated oil return line ensures smooth attachment operation and protects the hydraulic system, maximizing your machine's reliability.



VERSATILITY ACROSS EVERY TERRAIN

Choose rubber tracks for smooth urban surfaces or steel tracks for rugged, uneven ground. The 9027FzTs adapts effortlessly, delivering stability and performance wherever the job takes you.

ENHANCED FOR ALL-DAY COMFORT AND REDUCED OPERATOR FATIGUE

ERGONOMICS & COMFORT



ALL-NEW LEVEL OF COMFORT

With the upgraded 9027FzTs, you will experience a new level of comfort with enhanced seating, intuitive controls, and all-round visibility, all engineered to boost productivity and make long shifts more enjoyable.



MORE LEG SPACE (UPGRADED)

Travel levers and the front console have been redesigned to provide 20% more legroom on the right side. Operators can easily adjust their seating position and stretch their legs during long shifts to relieve discomfort and stay focused.

CONVENIENCE ALL WITHIN REACH (UPGRADED)

We've integrated the amenities you need in the cab. With phone storage, Type-C fast charging port, and storage area all within arm's reach, operators will experience enhanced daily convenience.

STAY COMFORTABLE YEAR-ROUND

A 27% boost in airflow plus enhanced heating and cooling keeps operators productive in any weather.



CONTROL AT YOUR FINGERTIPS

The new 7-in LCD monitor incorporates climate and audio controls, providing clear easy to read information. fingertip adjustment of attachment flow and pressure from the seat reduces fatigue and gives you complete, comfortable command of every task.



PRECISION AND SPEED, PERFECTLY BALANCED.

CONTROL & PERFORMANCE



ENHANCED CONTROL & PERFORMANCE

The load sensing hydraulic system has been optimized to enable the machine to handle diverse tasks—from fine grading to heavy-duty hydraulic breaker with more precise control and fast response.

MORE HYDRAULIC POWER

The upgraded system delivers a 47% increase in auxiliary flow. This empowers your machine to run the most demanding high-flow attachments, defining a new level of job site versatility, operational power, and productivity.



MORE FORCE WITH DIGGING

The digging force of the 9027FzTs has been increased to ensure the machine can penetrate tougher materials, fill the bucket faster, and maintain traction on challenging surfaces, leading to faster cycle times and higher productivity.



LOW-EFFORT CONTROLS, HIGH-LEVEL PRECISION

The 9027FzTs features hydraulic pilot control system. The main spool valve has been optimized to reduce operator arm and foot movement for easier operation, reducing operator strain and boosting productivity.

ADVANCED HYDRAULICS

Featuring a load-sensing hydraulic system that understands your demand. It dynamically adjusts power to ensure feather-touch control with faster response, boosting both operator efficiency and equipment performance.



INTEGRATED CONTROL, SUPERIOR PERFORMANCE

The high and low auxiliary flow circuits are integrated directly into the main valve. This upgrade enables precise output and instant switching between power and precision modes—delivering both smooth, accurate control for fine grading and rapid response for demanding cycles.

SIMPLIFIED FOR FASTER SERVICE AND MAXIMIZED AVAILABILITY

UPTIME & MAINTENANCE



UPTIME & MAINTENANCE



EASY MAINTENANCE ACCESS

The large-opening engine hood enables rapid inspection and simplifies routine maintenance, reducing service time and labor costs.



STANDARD LED WORK LIGHTS

The machine is fitted with 2 LED lights on the front, 2 LED lights on the rear of the cab and 1 LED work light on the boom, which ensuring safety in low-light conditions or night time operations.



LARGER SKYLIGHT

Our larger skylight delivers a 5% more visibility to eliminate overhead blind spots, while the wider-opening side window provides a clear view of the work area, all ensuring helping to prevent accidents and keep your projects moving safely.



SPECIFICATIONS

Operating weight	2,680 - 2,750 kg
Operating weight includes coolant, lubricants, full fuel tank, cab, standard shoes, boom, arm, bucket and operator 75 kg.	
Bucket capacity	0.035 - 0.11 m³

ENGINE	
Description	
Yanmar EPA Tier 4 final / EU Stage V, 3-cylinder, 4-stroke indirect injection diesel engine.	
Emission rating	EU Stage V / EPA Tier 4F
Engine manufacturer	Yanmar
Engine model	3TNV80F-SNLY
Aspiration	Natural
Cooling fan drive	Direct
Displacement	1.3 L
Engine output - gross	15.2 kW @ 2,500 rpm
Maximum torque	67.3 N·m @1,800 rpm
Bore × Stroke	80 × 84 mm

UNDERCARRIAGE	
Track shoe pitches	41 mm (steel track shoes) / 80 mm (rubber track shoes)
Shoe width, triple grouser	101.6 mm (steel track shoes) / 52.5 mm (rubber track shoes)
Shoe width, triple grouser	300 mm
Bottom rollers each side	4 (rubber track shoes)
Top rollers each side	1

SWING SYSTEM	
Description	
Planetary gear reduction driven by high torque axial piston motor, with oil disk brake. Swing parking brake resets within five seconds after swing pilot controls return to neutral.	
Swing speed	10 rpm
Swing torque	4,700 N·m

SOUND PERFORMANCE	
Interior sound power level (ISO 6396)	80 dB(A)
Exterior sound power level (ISO 6395)	93 dB(A)

HYDRAULIC SYSTEM	
Main pump	
Type	Variable displacement pump
Maximum flow	86 L/min
Relief valve setting	
Implement	25.3 MPa
Travel circuit	21.6 MPa
Slew circuit	18.6 MPa
Pilot circuit	3.5-3.9 MPa
Hydraulic cylinders	
Boom cylinder – bore × stroke	φ70 × 510 mm
Arm cylinder – bore × stroke	φ70 × 482 mm
Bucket cylinder – bore × stroke	φ65 × 382 mm
Dozer cylinder – bore×stroke	φ90 × 126 mm
Swing cylinder – bore×stroke	φ65 × 420 mm
Thumb Cylinder – Bore×Stroke	φ45 × 385 mm

SERVICE CAPACITIES	
Fuel tank	27 L
Engine oil	4.4 L
Cooling system	5 L
Hydraulic reservoir	26 L
Hydraulic system total	40 L

DRIVE AND BRAKES	
Description	
Steering controlled by two hand levers with pedals.	
Max. Travel speed	High: 4.2 km/h Low: 2.6 km/h
Gradeability	30°
Max. Drawbar pull	26 kN

ELECTRIC SYSTEM	
System voltage	12 V
Batteries	12 V
Alternator	12 V-40 A
Start motor	12 V-1.4 kW

SPECIFICATIONS



DIMENSIONS	
Boom	2,080 mm
Arm options	1,300 mm
A. Shipping length	4,160 mm
B. Shipping height – top of cab	2,450 mm
C. Track gauge	1,250 mm
D. Undercarriage width —300 mm shoes	1,550 mm
E. Length to center of rollers	1,540 mm
F. Track length	1,953 mm
G. Track shoe width	300 mm
H. Tail swing radius	775 mm
I. Counterweight ground clearance	530 mm
Overall width of upper structure	1,350 mm
Maximum boom offset to the right	694 mm
Maximum boom offset to the left	498 mm
Maximum boom swing angle to the right	55°
Maximum boom swing angle to the left	74°



BOOM DIMENSIONS		ARM DIMENSIONS	
Boom	2,080 mm	Arm	1,300 mm
Length	2,160 mm	Length	1,603 mm
Height	730 mm	Height	352 mm
Width	265 mm	Width	210 mm
Weight	145.7 kg	Weight	87.5 kg

MACHINE WEIGHTS AND GROUND PRESSURE					
Shoe width	Cab or canopy	Track shoes	Operating weight	Ground pressure	Overall width
2,080 mm boom, 1,300 mm arm, 0.086 m³ bucket, 315 kg counterweight					
300 mm	Cab	Rubber	2,750 kg	26.4 kPa	1,550 mm
		Metal	2,860 kg	27.5 kPa	1,550 mm
	Canopy	Rubber	2,680 kg	25.8 kPa	1,550 mm
		Metal	2,750 kg	26.4 kPa	1,550 mm

BUCKET SELECTION GUIDE					
Bucket type	Capacity	Cutting width	Weight	Teeth pcs	2,080 mm boom 1,300 mm arm
General purpose bucket	0.035 m³	308 mm	52 kg	2	B
General purpose bucket	0.06 m³	458 mm	66 kg	3	A
General purpose bucket	0.086 m³	608 mm	80 kg	4	A
Ditching/grading bucket	0.11 m³	1,203 mm	98 kg	0	A

The recommendations are given as a guide only, based on typical operation conditions. Bucket capacity based on ISO 7451, heaped material with a 1:1 angle of repose.

Maximum material density:
A. 1,200-1,300 kg/m³ : coal, caliche, shale
B. 1,400-1,600 kg/m³ : wet earth and clay, limestone, sandstone
C. 1,700-1,800 kg/m³ : granite, wet sand, well blasted rock
D. 1,900 kg/m³ : wet mud, Iron ore
NA. Not applicable

Lifting capacity at the arm end without bucket.

For lifting capacity including bucket, weight of the bucket or the bucket with quick coupler must be deducted from the lifting capacities.

Lifting capacities are based on the machine standing on a firm, uniform supporting surface.



Rating over-front (Cf)



Rating over-side (Cs)

- Do not attempt to lift or hold any load that is greater than these rated values at their specified load radius and height. Weight of all accessories must be deducted from the above lifting capacities.
- The rated loads are in compliance with ISO 10567 Hydraulic Excavator Lift Capacity Rating Standard. They do not exceed 87% of hydraulic lifting capacity or 75% tipping load.
- Ratings at bucket lift hook.
- Lifting capacities are based on machine standing on level, firm and uniform ground.
- *Indicates the load is limited by hydraulic capacity rather than tipping capacity.
- Operator should be fully acquainted with the Operator's and Maintenance Instructions before operating this machine and rules for the safe operation of equipment should be adhered to at all times.

LIFTING CAPACITY (METRIC)														
9027F _{ZTS} with 300 mm shoes, 2,080 mm boom, 1,300 mm arm							Conditions							
A: Load radius B: Load point height C: Lifting capacity Cf: Rating over front Cs: Rating over side							Boom length: 2,080 mm Arm length: 1,300 mm Shoes: 300 mm Countweight: 315 kg Unit: kg							
Blade Up														
A (Unit: m)														
B (m)		2.0 m		2.5 m		3.0 m		3.5 m		MAX REACH				
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	A (m)		
2.0	kg					*460	*470	456	362	430	350	3.9		
1.0	kg	1,026	777	724	562	553	433	442	348	351	277	4.1		
GROUND LEVEL	kg	1,020	860	690	529	570	480	460	390	380	320	4.0		
-1.0	kg	977	732	685	525	526	408			433	339	3.5		
Blade Down														
A (Unit: m)														
B (m)		2.0 m		2.5 m		3.0 m		3.5 m		MAX REACH				
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	A (m)		
2.0	kg					*460	*470	*569	*362	*480	350	3.9		
1.0	kg	*1,382	777	*951	562	*761	433	*657	348	*584	277	4.1		
GROUND LEVEL	kg	*1,270	900	*1,150	529	*690	480	*520	400	*520	320	4.0		
-1.0	kg	*1,436	732	*1,061	525	*817	408			*619	339	3.5		



ALWAYS BY YOUR SIDE

LiuGong Care stands for **C**ustomer-centric, **A**ction, **R**eliability and **E**xpertise. It's our promise to take service support to the next level. No matter where you are in the world, you can be confident that LiuGong Care is right by your side to support you, your machines, and to keep you working.

24/7 BACKUP FROM YOUR DEDICATED SERVICE TEAM



OVER 780 SALES OUTLETS



OVER 300 DEALERS IN 170 COUNTRIES



12 PARTS DISTRIBUTION DEPOTS





THE RIGHT CHOICE, WHATEVER THE MACHINE

Liugong iLink is a smart, trusted, telematics system that gives you the power to boost business performance, increase efficiency, reduce cost and unplanned down-time. iLink is the smarter way to get more out of your machines... so turn it on... everyday!

You can trust Liugong iLink to keep your data safe and secure and deliver the accurate information you need. Over **40,000+** machines in **100** countries already rely on iLink everyday.

WORK SMARTER WITH INSTANT, ACCURATE INFORMATION



40,000+ MACHINES USING iLINK



OPERATING IN OVER 100 COUNTRIES



24/7 SECURITY MONITORING



HEX 9027FzTs STAGE V BROCHURE 122025



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