



| | |
|-------------------------|--|
| Engine | Yanmar 3TNV80F-SSLY, EU Stage V |
| Net Power | 15.2 kW (20.4 hp / 20.7 ps) |
| Operating Weight | Cab 2,750 kg (6,063 lb) |
| Bucket Capacity | 0.08 m ³ (0.1 yd ³) |

9027FZTS EXCAVATOR

TOUGH WORLD. TOUGH EQUIPMENT.



OUR NEW F-SERIES EXCAVATORS. THE BEST – GETS EVEN BETTER.

We’ve taken the best from our E-Series machines, combined that with extensive R&D and customer insight to deliver the F-Series, a new range of state-of-the-art excavators designed with the operator at the heart.

Tough and intelligent, the F-Series shares our Red Dot award-winning design DNA and is developed to let the operator do more in safety and comfort.

9027FZTS. COMPACT IN SIZE – BIG ON PERFORMANCE


No two job sites are the same. Utilities, foundation work, landscaping, indoor/outdoor demolition and construction projects all present unique challenges to the operator. Space is often limited, visibility compromised, the work is tough, whilst time is invariably short. Our challenge was to create something different. Big machine performance – in a compact design.

NOT JUST ANOTHER COMPACT MACHINE

Listening to operators, our design brief was clear. Make it compact, light and easy to transport. Make it tough, comfortable, powerful and simple to use. Make it quick to service and maintain.

OUR NEW 9027FZTS DELIVERS ON 4 ESSENTIAL NEEDS:

1
EASY TO TRANSPORT

2
SIMPLE TO USE

3
QUICK TO MAINTAIN

4
LOW TOTAL COST OF OWNERSHIP



With the new 9027FZTS, we’ve created something different. An exceptionally performing compact machine which gives operators everything they want – without compromise.



TOUGH FACTS

AWARD WINNING DESIGN

Our UK-based design team has invested thousands of man hours to really understand how our machines are used every day. This insight shapes our innovative approach to product design. Our design team recently won a prestigious Red Dot Award for our D-Series Grader and our New F-Series shares this award-winning design DNA.

TOUGH RESEARCH AND TESTING

Finding tougher, smarter, safer and more cost-effective ways of working matters to you. It matters to us too. Our new Global Research & Development Centre is a great example of this customer focused approach. We’ve established an international team of industry experts, backed up with the latest world-class technology, all focused on delivering greater value to you.

TOUGH QUALITY STANDARDS

When it comes to quality, we let our actions to speak for themselves.

We follow a rigorous Six Sigma methodology and consistently achieve ISO 9001 standards.



DESIGN IN ACTION

Take a walk around the new 9027FZTS and you will see the difference. It has big excavator performance – in smart, compact body.

DESIGNED TO LET YOU SEE WHAT’S GOING ON

LiuGong is creating a reputation for excellent visibility and the new 9027FZTS is no exception. With high-visibility cabs, protected by ROPS & TOPS, the new 9027FZTS really lets you see what is going on. Performance and safety are high on our agenda, but our cabs set a new level of comfort too. Operators demand more and we’ve delivered with ergonomic design and unmatched comfort.

SAVE MORE WITH THE OPTIONAL AUTO-IDLE SPEED FUNCTION

For greater efficiency, this intelligent feature decreases and increases the engine speed as required achieving higher levels of fuel efficiency without compromising on performance.

ONE MACHINE – MULTIPLE POSSIBILITIES

High flow auxiliary lines are fitted as standard with an optional rotation circuit available. With an additional counterweight, the machine can be fitted with heavier work tools to match multiple job site challenges. A range of specially designed buckets can also be chosen depending on task in hand.

NO SPACE? NO PROBLEM!

When space is tight, the neat compact design with short tail swing gets you to work. Agile and ergonomic Boom Swing control allows the new 9027FZTS working access to the smallest spaces with a 72-degree swing to the left and 52-degrees to the right.

EASY TO TRANSPORT

Lightweight and compact design makes this machine simple to move from one place to another, no matter how narrow the access. With excellent visibility and precision control, this machine can get off the trailer and onto the site fast and safely every time.



PUTTING YOU IN CONTROL

Control is everything. Load sensing hydraulics deliver precise and smooth operation for excellent grading performance. The electro-proportional auxiliary line enables easy and accurate control of the attachments. The new dozer blade geometry allows the bucket and the blade to work in harmony to speedily sweep away materials.

AT YOUR SERVICE

For speed and simplicity, the engine covers, fuelling and maintenance access points have all been designed to make daily checks and maintenance pain free.

GETS YOU STARTED

No matter how cold the weather, pilot oil is pre-heated during start up, making the machine ready to go in seconds.

INTELLIGENT POWER

The fuel efficient, low noise and low emission Tier 4F/EU Stage V certified Yanmar 3TNV80F-SSLY engine gives the operator the power to perform. With perfectly matched hydraulics for greater efficiency, operators can expect to reduce fuel consumption by up to 10% compared with the industry average.

EASY DOES IT

Fully opening side covers give easy access to air filter, oil filter, fuel prefilter, dipstick, hydraulic tank and oil fill cap, not to mention the engine, main pump and radiator.

KEEPING YOU ON TRACK

Steel tracks for harsh conditions, rubber tracks for urban paved areas; the new 9027FZTS gives you the possibility to work anywhere.

TOUGH JUDGES

Operators are tough judges. They know what they like and what they don't. We've talked, we've listened and we've delivered a no-nonsense excavator that will do everything the operator wants and needs it to do. Job done? Judge for yourself.

TOUGH EQUIPMENT

50,000 Excavators currently in the field.
Over 1/2 BILLION productive hours worked.



JOBSITE UPTIME AND SUPPORT

Compact size with big performance might convince you to buy your first new 9027FZTS, but it's uptime and support and total cost of ownership which will keep you coming back to buy more. Having confidence in the machine's back up and support network is a vital part of the purchasing decision. How do we measure up?

FAST RESPONDING GLOBAL NETWORK

We have an extensive dealer network of over 300 dealers in more than 100 countries. All supported by 13 regional subsidiaries and 12 regional parts depots offering expert training, parts and service support.




WHERE YOU NEED US WHEN YOU NEED US

Reliability is built into our machines but all machines have some planned downtime. Our aim is to reduce even planned down time to the minimum by getting it right. Technician training and parts availability are also high on our agenda, as is keeping you

informed on service and maintenance work and providing clear and accurate estimates, invoices and communication. These may be small things, but customer feedback tells us that these basics really matter – so we aim to get them right.

MAINTENANCE AND SUPPORT PACKAGES

From genuine LiuGong parts, to full repair and maintenance contracts, LiuGong has the flexibility to offer the level of support and response to suit your business and applications. Whatever level of support you choose you can be confident that it is backed up by LiuGong's service promise.



**Right parts.
Right price.
Right service.**

**Above all,
we get it right
the first time.**

1st



WE ARE LIUGONG. WORKING HARD TO KEEP OUR GLOBAL CUSTOMERS EARNING

9,500+
Employees

20
Factories

13
Regional
subsidiaries

300+
Dealers

1,000+
R&D
engineers

5
R&D
facilities

12
Regional
parts
depots

Over
60 Years'
experience

LIUGONG SERVICE PROMISE



Highly trained technicians utilizing the latest diagnostic equipment



15,000+ Genuine LiuGong parts available within 24hrs from our European Parts Distribution Center



Multi-lingual service helpline and online support



Transparent estimates and invoicing



Clear communications through electronic parts catalogue



TOTAL COST OF OWNERSHIP

Easy to transport, simple to use and quick to maintain, the new 9027FZTS appears to have it all. But ultimately, the machines earning potential, its overall life cost and its trade-in value really matter too.

When it comes to total cost of ownership LiuGong has a strong story to tell.

PROFESSIONAL ADVICE

We are committed to reducing your total cost of ownership and increasing your profits. As part of this, LiuGong's experts will provide targeted advice on everything, from choosing the right machine for your needs to maximizing its efficiency on site.

MACHINE AVAILABILITY

Our machines deliver everything you need and nothing you don't. They are expertly engineered NOT over engineered. As a result of having an extensive manufacturing operation right in the heart of Europe, we can offer significantly shorter lead times on

a range of models, compared with some manufacturers. In fact, we can deliver selected machines in as little as 4 weeks.

The faster you can get a machine – the faster you can get working and earning. Our aim is to get you on to the job site fast.

TICKET PRICE

At LiuGong, our aim is to provide you with real, measurable value by giving you everything you need and nothing you don't. We choose high quality, proven components and parts from world-renowned brands and suppliers.

These proven components, combined with LiuGong design and manufacturing quality, result in a high quality, competitive machine that is totally fit for purpose.

RESIDUAL VALUE

With the combination of LiuGong design and manufacturing excellence, world class components and comprehensive uptime support, our quality holds its value.



IT ALL ADDS UP

With the new 9027FZTS we've risen to the challenge and given you everything you need and nothing you don't.

It's an excavator which can handle any job, anywhere, backed up by LiuGong's service promise and designed to perform on the job site and on the balance sheet. Add up the benefits and you'll see that the new 9027FZTS represents the formula for success.



EASY TO TRANSPORT

+

SIMPLE TO USE

+

QUICK TO MAINTAIN

+

TOTAL COST OF OWNERSHIP

CUSTOMER SATISFACTION



SPECIFICATIONS

| | |
|------------------|-------------------------|
| Operating weight | Cab 2,750 kg (6,063 lb) |
|------------------|-------------------------|

Operating weight includes coolant, lubricants, full fuel tank, cab, standard shoes, boom, arm, bucket and operator 75 kg (165 lbs).

| | |
|-----------------|-------------------|
| Bucket capacity | 0.08 m³ (0.1 yd³) |
|-----------------|-------------------|

ENGINE

Description
Yanmar Tier 4F/EU Stage V, 3-cylinder straight four strokes, indirect injection.

| | |
|---------------------|-----------------------------------|
| Emission rating | EPA Tier 4F / EU Stage V |
| Engine manufacturer | Yanmar |
| Engine model | 3TNV80F-SSLY |
| Aspiration | Natural |
| Charged air cooling | Aftercooler |
| Cooling fan drive | Direct |
| Displacement | 1.267 L (0.33 gal) |
| Rated speed | 2,500 rpm |
| Engine output - net | 15.2 kW (20.4 hp / 20.7 ps) |
| Maximum torque | 67.3 N·m (49.6 lbf·ft) @1,800 rpm |
| Bore × Stroke | 80 × 84 mm (3.1" × 3.3") |

UNDERCARRIAGE

| | |
|----------------------------|---|
| Track shoe each side | 41 mm (1.6" metal) / 80 mm (3.2" rubber) |
| Link pitch | 101.6 mm (4" metal) / 52.5 mm (2.1" rubber) |
| Shoe width, triple grouser | 300 mm (1') |
| Bottom rollers each side | 3 |
| 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 | 4,600 N·m (3,393 lbf·ft) |

HYDRAULIC SYSTEM

| | |
|---------------------------------|----------------------------|
| Main pump | |
| Type | Load-sensing variable pump |
| Maximum flow | 86 L/min (23 gal/min) |
| Relief valve setting | |
| Implement | 21.6 MPa (3,133 psi) |
| Travel circuit | 21.6 MPa (3,133 psi) |
| Slew circuit | 16.7 MPa (2,422 psi) |
| Pilot circuit | 3.5-3.9 MPa (508-566 psi) |
| Hydraulic cylinders | |
| Boom Cylinder – Bore × Stroke | φ 70× 510 mm (2.8"×1' 8") |
| Arm Cylinder – Bore × Stroke | φ 70 × 482 mm (2.8"×1' 7") |
| Bucket Cylinder – Bore × Stroke | φ 65 ×382 mm (2.6"×1' 3") |

ELECTRIC SYSTEM

| | |
|----------------|---------------------------|
| System voltage | 12 V |
| Batteries | 12 V |
| Alternator | 12 V - 40 A |
| Start motor | 12 V - 1.4 kW (1.9 hp/ps) |

SERVICE CAPACITIES

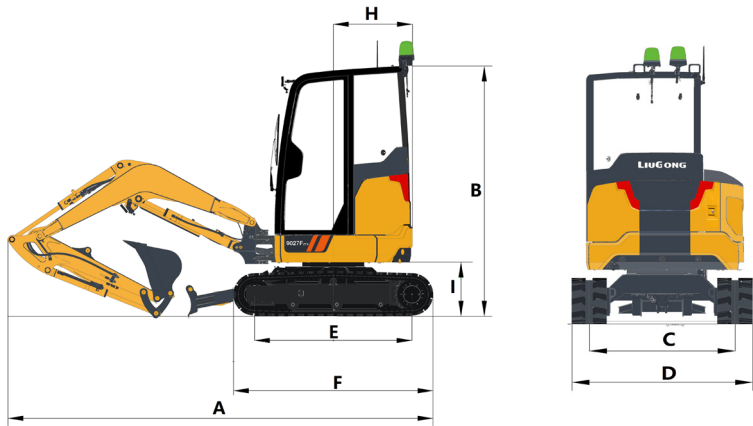
| | |
|------------------------|-----------------|
| Fuel tank | 27 L (7.1 gal) |
| Engine oil | 2.1 L (0.6 gal) |
| Cooling system | 5 L (1.3 gal) |
| Hydraulic reservoir | 26 L (6.9 gal) |
| Hydraulic system total | 40 L (10.6 gal) |

SOUND PERFORMANCE

| | |
|---------------------------------------|----------|
| Interior Sound Power Level (ISO 6396) | 79 dB(A) |
| Exterior Sound Power Level (ISO 6395) | 93 dB(A) |

DRIVE AND BRAKES

| | |
|---|---|
| Description | |
| Steering controlled by two hand levers with pedals. | |
| Max. travel speed | High: 4.5 km/h (2.8 mph) Low: 2.7 km/h (1.7 mph) |
| Gradeability | 25.8° |
| Max. drawbar pull | 21 kN (4,721 lbf) |



DIMENSIONS

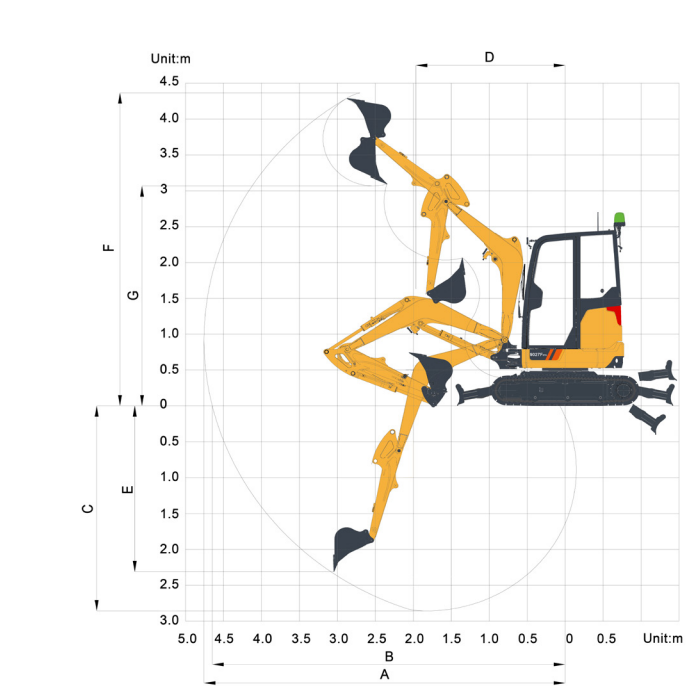
| | |
|---|------------------|
| Boom | 2,080 mm (6'10") |
| Arm Options | 1,300 mm (4'3") |
| A Shipping Length | 4,160 mm (13'8") |
| B Shipping Height | 2,450 mm (8') |
| C Track Gauge | 1,250 mm (2'6") |
| D Undercarriage Width | 1,550 mm (3'3") |
| E Length to Center of Rollers | 1,540 mm (5'1") |
| F Track Length | 1,953 mm (6'5") |
| G Track Shoe Width | 300 mm (1') |
| H Tail Swing Radius | 775 mm (2'7") |
| I Counterweight Ground Clearance | 530 mm (1'9") |
| Overall Height of Cab | 2,450 mm (5'4") |
| Min. Ground Clearance | 295 mm (1') |
| Overall Width of Upper Structure | 1,350 mm (4'5") |
| Distance Between The Working Device And Swing Center--Right | 694 mm (2'3") |
| Distance Between The Working Device And Swing Center--Left | 498 mm (1'8") |
| Maximum Boom Swing Angle to the Right | 54.5° |
| Maximum Boom Swing Angle to the Left | 74° |

ARM DIMENSIONS

| | |
|-------------------------------------|-------------------|
| Description | |
| Arm | 1,300 mm (4'3") |
| Length | 1,603 mm (5'3") |
| Height | 423 mm (1'5") |
| Width | 202 mm (8") |
| Weight | 99.4 kg (219 lbs) |
| Includes cylinder, linkage and pin. | |

BOOM DIMENSIONS

| | |
|--|--------------------|
| Description | |
| Boom | 2,080 mm (6'10") |
| Length | 2,160 mm (7'1") |
| Height | 730 mm (2'5") |
| Width | 262 mm (10") |
| Weight | 137.8 kg (304 lbs) |
| Includes cylinder, piping and pin, excludes boom cylinder pin. | |



| WORKING RANGE | |
|---------------------------------------|-------------------|
| Boom Length | 2,080 mm (6'10") |
| Arm Options | 1,300 mm (4'3") |
| A. Max. Digging Reach | 4,757 mm (15'7") |
| B. Max. Digging Reach on Ground | 4,648 mm (15'3") |
| C. Max. Digging Depth | 2,857 mm (9'4") |
| D. Max. Vertical Wall Digging Depth | 2,312 mm (7'7") |
| E. Max. Cutting Height | 4,365 mm (14'4") |
| F. Max. Dumping Height | 3,067 mm (10'1") |
| G. Min. Front Swing Radius | 1,965 mm (6'5") |
| Max. Digging Depth, 2.44 m (8') level | 2,386 mm (7'10") |
| Blade up | 350 mm (1'2") |
| Blade down | 400 mm (1'4") |
| Bucket Digging Force (ISO) | 20 kN (4,496 lbf) |
| Arm Digging Force (ISO) | 12 kN (2,698 lbf) |
| Bucket Capacity | 0.08 m³ (0.1 yd³) |
| Bucket Tip Radius | 662 mm (2'2") |

| MACHINE WEIGHTS & GROUND PRESSURE | | | | |
|-----------------------------------|-----------|--|--------------------|-----------------|
| Shoe width | Shoe type | Operating weight | Ground pressure | Overall width |
| | | 2,080 mm (6'10"), 1,300 mm (4'3") arm, 0.08 m³ (0.1 yd³) bucket, 315 kg (694 lb) counterweight | | |
| 300 mm (1') | Rubber | 2,750 kg (6,063 lb) | 26.4 kPa (3.8 psi) | 1,550 mm (5'1") |
| | Metal | 2,860 kg (6,305 lb) | 27.5 kPa (4.0 psi) | 1,550 mm (5'1") |

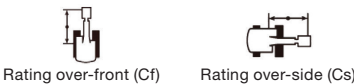
| BUCKET SELECTION GUIDE | | | | | |
|------------------------|--------------------|-----------------|-----------------|-----------|--|
| Bucket Type | Capacity | Cutting Width | Weight | Teeth pcs | 2,080 mm (6'10") Boom 1,300 mm (4'3") Arm |
| General Purpose | 0.08 m³ (0.1 yd³) | 567 mm (1'10") | 61 kg (134 lbs) | 4 | A/B |
| | 0.09 m³ (0.12 yd³) | 1,000 mm (3'3") | 65 kg (143 lbs) | 0 | A |
| | 0.05 m³ (0.07 yd³) | 400 mm (1'4") | 45 kg (99 lbs) | 3 | B |
| | 0.02 m³ (0.03 yd³) | 234 mm (9") | 39 kg (86 lbs) | 2 | B |

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 (2,023-2,191 lb/yd³) : Coal, Caliche, Shale
B. 1,400-1,600 kg/m³ (2,360-2,697 lb/yd³) : Wet earth and clay, limestone, sandstone
C. 1,700-1,800 kg/m³ (2,865-3,034 lb/yd³) : Granite, wet sand, well blasted rock
D. 1,900 kg/m³ (3,203 lb/yd³) : 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.



- 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 with 300 mm Shoes, 2,080 mm Boom, 1,300 mm Arm | Conditions |
| A: Reach from swing center B: Bucket hook 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 Bucket: None Unit: kg |

| A (Blade Up) | | | | | | | | | | | |
|--------------|-------|-------|-------|-----|-------|------|-------|-----|-----------|-----|-------|
| 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 m | kg | | | | *460 | *470 | 456 | 362 | 430 | 350 | 3.9 |
| 1.0 m | kg | 1,026 | 777 | 724 | 562 | 553 | 433 | 442 | 348 | 351 | 277 |
| Ground Level | kg | 1,020 | 860 | 690 | 529 | 570 | 480 | 460 | 390 | 380 | 320 |
| -1.0 m | kg | 977 | 732 | 685 | 525 | 526 | 408 | | 433 | 339 | 3.5 |

| A (Blade Down) | | | | | | | | | | | |
|----------------|-------|--------|-------|--------|-------|------|-------|------|-----------|------|-------|
| 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 m | kg | | | | *460 | *470 | *569 | *362 | *480 | 350 | 3.9 |
| 1.0 m | kg | *1,382 | 777 | *951 | 562 | *761 | 433 | *657 | 348 | *584 | 277 |
| Ground Level | kg | *1,270 | 900 | *1,150 | 529 | *690 | 480 | *520 | 400 | *520 | 320 |
| -1.0 m | kg | *1,436 | 732 | *1,061 | 525 | *817 | 408 | | *619 | 339 | 3.5 |



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)

1. 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.

2. 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.

3. Ratings at bucket lift hook.
4. Lifting capacities are based on machine standing on level, firm and uniform ground.

5. *Indicates the load is limited by hydraulic capacity rather than tipping capacity.

6. 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.

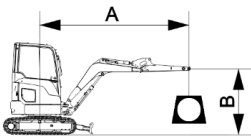
LIFTING CAPACITY (IMPERIAL)

9027F with 1' Shoes, 6'10" Boom, 4'3" Arm

A: Reach from swing center
B: Bucket hook height
C: Lifting capacity
Cf: Rating over front
Cs: Rating over side

Conditions

Boom length: 6'10"
Arm length: 4'3"
Shoes: 1'
Bucket: None
Unit: lbs



| A (Blade Up) | | | | | | | | | | | | |
|--------------|-----|--------|-------|--------|-------|--------|--------|---------|-----|-----------|-----|--------|
| B (ft) | | 6.6 ft | | 8.2 ft | | 9.8 ft | | 11.5 ft | | MAX REACH | | A (ft) |
| | | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | |
| 6.6 | lbs | - | - | - | - | *1,012 | *1,034 | 1,003 | 796 | 946 | 770 | 12.8 |
| 3.3 | lbs | 2,257 | 1,709 | 1,593 | 1,236 | 1,217 | 953 | 972 | 766 | 772 | 609 | 13.4 |
| Ground Level | lbs | 2,244 | 1,892 | 1,518 | 1,164 | 1,254 | 1056 | 1,012 | 858 | 836 | 704 | 13.0 |
| -3.3 | lbs | 2,149 | 1,610 | 1,507 | 1,155 | 1,157 | 898 | - | - | 953 | 746 | 11.4 |

| A (Blade Down) | | | | | | | | | | | | |
|----------------|-----|--------|-------|--------|-------|--------|--------|---------|------|-----------|-----|--------|
| B (ft) | | 6.6 ft | | 8.2 ft | | 9.8 ft | | 11.5 ft | | MAX REACH | | A (ft) |
| | | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | |
| 6.6 | lbs | - | - | - | - | *1,012 | *1,034 | *1,252 | *796 | *1,056 | 770 | 12.8 |
| 3.3 | lbs | *3,040 | 1,709 | *2,092 | 1,236 | *1,674 | 953 | *1,445 | 766 | *1,285 | 609 | 13.4 |
| Ground Level | lbs | *2,794 | 1,980 | *2,530 | 1,164 | *1,518 | 1,056 | *1,144 | 880 | *1,144 | 704 | 13.0 |
| -3.3 | lbs | *3,159 | 1,610 | *2,334 | 1,155 | *1,797 | 898 | - | - | *1,362 | 746 | 11.4 |

STANDARD EQUIPMENT

ENGINE SYSTEM

- Dry type air cleaner (inside and outside elements)
- Manual mechanical accelerator
- Engine manual pre-heating
- Fuel tank with drain plug
- Fuel supply passage with electric fuel pump
- Fuel shutoff valve
- Fuel level sensor
- Fuel refilling and fuel level alert
- Fuel pre-filter with water separation
- Fuel filter
- Radiator group with drain plug
- Coolant-level indicator (ground level)
- Cold start assembly (-15°C)

ELECTRICAL SYSTEM

- Display: hour meter, tachometer and timer etc.
- Indicator: engine oil pressure, low fuel level, air filter plugging, overheating, high fuel level, etc.
- Fuel refilling and fuel level alert
- Horn
- Pilot cut-off switch
- Disconnect switch
- 12 Volt power outlet with cap
- Data diagnosis port
- Auto diagnosis system
- Maintenance free battery
- Working lights: 1 on boom, 1 on cabin
- Fuse box

HYDRAULIC SYSTEM

- Pilot accumulator
- Hydraulic test port: main pump
- Blade cylinder guard
- Integrated shift lever with high speed and creep speed
- Dozer blade with float function

OPERATOR STATION

- Enclosed cabin with TOPS standard (ISO 12117) & ROPS (ISO 3471)
- General seat with 2' red retractable seat belt
- Opening front windshield
- AM/FM Radio with MP3 audio jack,only for cabin
- Washable floor mat
- Manual heater
- Defroster
- Fresh air ventilation
- View mirror on left side of cabin

DIGGING EQUIPMENT

- Boom swing
- Arm 1,300 mm (4'3")
- Boom swing position limit
- Counterweight 320 kg (705 lbs)

UNDERCARRIAGE

- Rubber shoes 300 mm (1')

OPTIONAL EQUIPMENT

ENGINE SYSTEM

- Auto-idle function
- Refuelling pump

ELECTRICAL

- Secondary engine shutoff switch
- Travel alarm
- Rotating beacon
- Working lights, on cab, long LED
- Working light, on left and right side of cabin
- Working lights, on cab,front 4 and rear 2
- Seatbelt connect with warning beacon, along with mechanical suspension seat, cabin
- GPS

HYDRAULIC SYSTEM

- Auto-shift travel speed
- Load holding valve on boom cylinder
- Load holding valve on arm cylinder
- Load holding valve on dozer blade cylinder
- Quick coupler lines, high pressure, low flow, with quicker-coupler warning
- Dual way auxiliary lines with foot pedal control
- Dual way auxiliary lines with proportional

joystick control

- Attachment rotation lines-rotation flow adjustment

OPERATOR STATION

- Removable front cab guard
- Removable lower-front guard screen
- Mechanical suspension seat, 2-inch retractable belt
- Fire extinguisher
- View mirror on right side of cabin
- Travel pedal

DIGGING EQUIPMENT

- 1,150 mm (3'9") arm

UPPER STRUCTURE

- Additional counterweight, weight 75 kg (165 lbs)
- Holder for grease gun
- Cover plates under swing platform

UNDERCARRIAGE

- 300 mm (1') Steel shoes
- 300 mm (1') Steel shoes with rubber pads
- 300 mm (1') Rubber crawler pads

ATTACHMENTS

- 235 mm (9") bucket
- 555 mm (1'10"), 0.08 m³ (0.1 yd³) bucket
- 1,000 mm (3'3") bucket
- 400 mm (1'4"), 0.05 m³ (0.07 yd³) bucket
- Hammer



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