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YANMAR SA223/325/425 & Attachments



2022 • 2021 • 2020 • 2019 • 2018
EQUIPMENT DEALERS ASSOCIATION
SURVEY | TRACTOR MANUFACTURERS

**PRODUCT
QUALITY**

SA223/325/425

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www.YanmarTractor.com

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LOVE YOUR LAND LOVE YOUR YANMAR

We each have our own unique relationship to the land. Some of us tend to its creatures. Some of us rely on it for food. And some of us just enjoy basking in its endlessly evolving beauty. What we all share is a common dedication to the soil and a commitment to put back into it more than we take out of it.

This love of the land and a passion for the environment have guided YANMAR for more than 110 years. Our story began with one simple and powerful tenet: “To conserve fuel is to serve mankind.”

Our commitment to the planet and our dedication to serving all of you who serve the land are supported by every bit of easy operation, versatility, and reliability built into every YANMAR SA Series tractor.

HISTORY

1912

Over 100 years in history, founded as Yamaoka Hatsudoki Kosakusho, a company with a mission to build the most reliable, compact and efficient engines for farmers, fishermen and other trades and businesses.

1933

Over 89 years of diesel engines, developed the world's first commercially successful small horizontal water-cooled diesel engine with a cold-start system.

1967

The first YANMAR tractor. From the beginning, YANMAR tractors, like the 23 horsepower Model YM273, use YANMAR water-cooled diesel engines.

1979

YANMAR Tractor (USA) Inc. begins operations in North America.

1992

Millions of diesels. The 10 millionth YANMAR diesel engine is produced and sold.

2002

Established YANMAR Agricultural Machinery Manufacturing Co., LTD., to integrate the group's agricultural businesses. It produced tractors targeted for the global market and their transmissions.

2006

Advancing tractor technology. The first generation of HMT (hydromechanical transmission) technology for YANMAR tractors is introduced.

2014

YANMAR America introduces the SA Series tractors.

2016

YANMAR America introduces the YT2 and YT3 Series tractors. YT3 brings operator-labor-saving advancement to compact tractors with i-HMT transmission and programmable controls.

2017

YANMAR EVO//CENTER opens Fall 2017, YANMAR America training and customer experience facility in Acworth, Georgia.

Love your efficiency.

A famously reliable YANMAR diesel engine powers every YANMAR SA Series tractor so these tractors are ready to work as hard as you do.



FOUNDER’S SPIRIT: “TO CONSERVE FUEL IS TO SERVE MANKIND.”

Magokichi Yamaoka, Founder of YANMAR



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The Famously Reliable Diesel

After building tens of millions of compact diesel engines, over more than 80 years of compact diesel engine innovations, YANMAR diesel engines are famous among YANMAR owners—and hundreds of other manufacturers that use YANMAR diesels—for dependable, reliable operation in all kinds of applications and all kinds of conditions.

Strength and Efficiency

Our three-cylinder liquid-cooled diesel engines rely on innovative fuel-injection systems and combustion chambers to create an unbeatable level of power and efficiency. The result is more power to get through the heaviest load and more efficiency to get every job done on less fuel.

COMFORT AND CONTROL



Simple to operate; easy access to every control.



Switch seamlessly between forward and reverse with two side-by-side hydrostatic transmission pedals.



Differential lock is standard with foot pedal engagement for SA223, SA325, and SA425.



Work comfortably with armrest-mounted loader control lever, while True Position Control lever (below joystick) delivers precise operating height of rear implements.

Operator Platform

Love your productivity.

Designed with the operator in mind, the SA Series is built for comfort and ease of operation. One thing you can expect to hear first from many SA Series owners is that they really like the operator comfort and easy-to-use controls on their SA tractors. Wide-open sight lines and easy access to all instruments and controls make it more pleasurable to operate, while an isolation-mounted engine and the full-frame chassis lessens vibration for a smoother ride. This is the step up you deserve.

Love your **YANMAR.**

The SA Series. Multipurpose compact tractors, designed for tough jobs and challenging terrain.



POWERFUL BY DESIGN



Mid-mount Mower Specs

- For Models SA325/SA425**
- Heavy-duty, welded, fabricated design
 - Drive-over attach and detach
 - 60" width
 - Gear box driven mower deck

- For Model SA223**
- Pivoting caster wheels for quick attach & detach
 - 60" width
 - Gear box driven mower deck

Sleek New Look. Same Reliability.

This tractor is built for the people who share our passion for the land and believe in working that land the right way. Not only is it built with a powerful, fuel-efficient engine to work all day, its sleek design is engineered for comfort and efficiency. Now in red. The color of passion. Because when it comes to a love of the land, we know you're not alone.

Technological Superiority.

The advanced design of the SA Series is only the beginning, from convenient operator controls to under-the-hood engineering. Every SA model is built to help you be more efficient and more productive every day.

Built-in Versatility

- Tractor-style drawbar on Models SA325 & SA425
- Independent Mid & Rear PTO
- Choice of tires (R3 Turf, R4 Industrial)
- Category I / 3-point hitch
- Rear hydraulic remote
- Optional front hitch



PERFORMANCE LINK TECHNOLOGY FROM YANMAR

Twin Pedal Convenience

The SA models are equipped with two side-by-side hydrostatic transmission pedals that allow you to switch seamlessly between forward and reverse. You'll notice that jobs, particularly those in tight spaces, get taken care of in a snap. This unique pedal design improves overall ease of operation, and you'll get more done with less effort.

Hydrostatic Transmission

The SA Series is equipped with a hydrostatic transmission that gives you an unlimited choice of tractor speeds. Quickly find the ideal speed for the easiest to the most demanding tractor operations. On Models 325/425 a 2-range transmission is standard equipment to further enhance the tractor's productivity and versatility.



Love your **reliability.**

SA Series tractors pack the power you'd expect from much larger tractors. YANMAR makes all the major drivetrain components — the engine, transmission and axles — in-house. And because they're made together to work perfectly together, you get a hardworking machine with more usable horsepower, less power loss and a smoother, more comfortable ride. We call it Performance Link Technology™. You'll quickly appreciate it as a tractor designed to work as hard as you do.

Dual Pedal Hydrostatic
Transmission





The Model SA425DHX offers an optional four-post roll-over protective structure (ROPS). The 4-post ROPS accommodates installation of optional soft-side cabs or a hardside cab with optional heater. With protection from the cold or rain, you'll be more comfortable and productive.

Loader Attachments

YANMAR quick attachment system allows for easy use of loader attachments such as pallet forks and snow blades.

Optional Front Attachments

- Front blade
- Snow blower
- Front hitch kit option with standard hydraulic lift
- Optional mid-PTO kit for snow blower
- Angle kit for front hitch mounted blade



YEAR-ROUND PERFORMANCE



Optional Rear Attachments

- Quick hitch
- Landscape rakes
- Rear blades
- Rotary tillers
- Grading scrapers and box blades
- Disc harrows
- Stump grinder
- Rotary cutters
- Finish mowers
- Posthole digger
- Cultipacker
- Hay Harvest System including drum disc mower, tedder/rake and round baler**
- 4-in-1 Bed shaper/rotary tiller

B65 Backhoe

- Digging depth (2' flat bottom) 76"-78"
- Swing arc 180°
- Bucket cylinder digging force 2,800 lbf
- Dipper stick cylinder digging force 1,590 lbf
- Bucket widths 9"-24"
- Optional mechanical thumb kit available

The Model SA425 is outfitted with a larger, more aggressive tire package. This makes for a tractor with increased ground clearance and greater operational stability over challenging terrain.

Love your versatility.

Built together to work together. YANMAR smoothly integrates the major components and optional attachments so you can get more work done quickly. That means the SA Series can do serious work with a front-end loader, a hydraulic backhoe and three-point hitch attachments for mowing, tilling, planting, digging, plowing and so much more.

SA223/325/425

| Powertrain | SA223 | SA325 | SA425/425DHX |
|------------------------------|-------------------------------------|-----------------------|-----------------------|
| Maker | YANMAR | YANMAR | YANMAR |
| Model | 3TNM74F | 3TNV80F | 3TNV80F |
| PTO Power HP (kW) | 15.6 (11.6) | 18.1 (13.5) | 18.1 (13.5) |
| Gross Power HP (kW)* | 21.5 (16.0) | 23.9 (17.8) | 23.9 (17.8) |
| Engine RPM | 3,200 | 3,200 | 3,200 |
| Bore and Stroke in (mm) | 2.92 x 3.03 (74 x 77) | 3.15 x 3.30 (80 x 84) | 3.15 x 3.30 (80 x 84) |
| Total Displacement cu in (L) | 60.6 (0.993) | 77.2 (1.266) | 77.2 (1.266) |
| Type | 4-Cycle inline, water-cooled diesel | | |
| Aspiration | Naturally aspirated | Naturally aspirated | Naturally aspirated |
| Cooling System | Liquid cooled | Liquid cooled | Liquid cooled |
| Number of Cylinders | 3 | 3 | 3 |
| Battery | 540 CCA | 540 CCA | 540 CCA |
| Alternator | 40 amp | 40 amp | 40 amp |

| Capacity | | | |
|----------------------|------------|------------|------------|
| Fuel Tank US Gal (L) | 6.1 (23.0) | 6.1 (23.0) | 6.1 (23.0) |

| Dimensions | | | |
|--|---------------|---------------|---------------|
| Wheelbase in (mm) | 57.9 (1,400) | 63.0 (1,600) | 63.0 (1,600) |
| Overall Width in (mm) (with R4 Tires) | 47.3 (1,200) | 54.6 (1,387) | 54.1 (1,373) |
| Overall Length in (mm) (with R4 Tires) | 102.1 (2,594) | 105.8 (2,688) | 105.8 (2,688) |
| Overall Height in (mm) (ROPS/ R4 Tires) | 82.3 (2,090) | 85.8 (2,180) | 87.2 (2,215) |
| Top of Steering Wheel with R4 Tires | 51.1 (1,299) | 55.3 (1,405) | 56.7 (1,440) |
| Folded ROPS, Top of Steering Wheel | 66.3 (1,683) | 70.4 (1,789) | 71.8 (1,824) |
| Ground clearance in (mm) (with R4 Tires) | 6.4 (163) | 8.5 (215) | 9.9 (249) |
| Weight lb (kg) (with ROPS, R4 tires) | 1,537 (697) | 1,715 (778) | 1,830 (830) |

| Traveling Speeds | | | |
|------------------------------------|--|--|---|
| Forward mph (km/h) (with R4 tires) | Low: 0-4.55 (0-7.3, High: 0-6.3 (0-15.2) | Low: 0-5.9 (0-9.4), High: 0-12.3 (0-19.6) | Low: 0-6.3 (0-10.0), High: 0-13.1 (0-21.0) |
| Reverse mph (km/h) (with R4 tires) | Low: 0-3.2 (0-5.1), High: 0-6.6 (0-110.6) | Low: 0-4.1 (0-6.6), High: 0-8.5 (0-13.7) | Low: 0-4.3 (0-7.0), High: 0-9.1 (0-14.7) |

| Drivetrain | SA223 | SA325 | SA425/425DHX |
|---------------------------|-------------|-----------------------------------|-----------------------------------|
| Transmission Type | Hydrostatic | Hydrostatic, dual range speeds | Hydrostatic, dual range speeds |
| 2WD/4WD | Selectable | Selectable | Selectable |
| Brake | Wet disc | Wet disc | Wet disc |
| Number of Ranges | 2 | 2 | 2 |
| Rear PTO Speed/Engine RPM | 554/3200 | 554/3200 | 554/3200 |
| Mid PTO Speed/Engine RPM | 2057/3200 | 2057/3200 | 2057/3200 |

| Hydraulics | | | |
|---|--------------------------------|----------------------------------|----------------------------------|
| Pump Capacity (steering) US gal/min (L/min) | 3.7 (14.1) | 3.7 (14.1) | 3.7 (14.1) |
| Pump Capacity (implement) US gal/min (L/min) | 4.3 (16.1) | 4.3 (16.1) | 4.3 (16.1) |
| 3-point Hitch | Limited category 1 | Limited category 1 | Limited category 1 |
| Control | Select control, open center | Position control, open center | Position control, open center |
| 3-point Lift Capacity (standard) 24 in Behind Lift Point lb (kg) | 660 (300) | 1,209 (548) | 1,209 (548) |
| Power Steering | Hydrostatic Power | Hydrostatic Power | Hydrostatic Power |

| Features and Options | | | |
|-----------------------------------|---|----------|----------|
| Loader Control Valve and Joystick | Standard | Standard | Standard |
| Available Options | Fan guard kit Valve guard kit Deluxe grille guard w/ worklight option Front/rear worklight option Soft- or hard-side cab Rear hydraulic remote valve (SCV) | | |

| Tire Size | | SA223 | SA325 | SA425/425DHX |
|-----------|---------------|----------------|------------------|-----------------|
| Front | R3 Turf | 18x8.50-10 4PR | 23x8.50-12 4PR | 23x8.50-12 4PR |
| | R4 Industrial | 18x8.50-10 6PR | 23x8.50-12 4PR | 23x8.50-12 4PR |
| Rear | R3 Turf | 26x12.0-12 4PR | 33x12.5-16.5 4PR | 36x14.00-15 4PR |
| | R4 Industrial | 26x12.0-12 4PR | 12-16.5 10PR | 14-17.5 6PR |

**As rated by engine manufacturer. Values published are for descriptive purposes only and YANMAR reserves the right to change the values.*

| B65 Backhoe | SA223 | SA325 | SA425 |
|---|--------------------------|---------------|---------------|
| Maximum Digging Depth (2' flat bottom) in (mm) | 78.4 (1,991) | 76.9 (1,953) | 76 (1,930) |
| Swing Arc | 150° | 150° | 150° |
| Loading Height (bucket at 60°) in (mm) | 60 (1,524) | 61.5 (1,562) | 62.4 (1,585) |
| Reach From Centerline of Swing Pivot in | 102 (2,591) | 104 (2,641.6) | 102 (2,591) |
| Transport Height Max. Overhang in (mm) | 42.4 (1,077) | 42.4 (1,077) | 42.4 (1,077) |
| Bucket Rotation | 180° | 180° | 180° |
| Loading Reach (bucket at 60°) in (mm) | 35 (889) | 35 (889) | 35 (889) |
| Undercut in (mm) | 25 (635) | 25 (635) | 25 (635) |
| Bucket Cylinder Digging Force lb (kg)** | 2,800 (1,270) | 2,800 (1,270) | 2,800 (1,270) |
| Dipperstick Cylinder Digging Force lb | 1,590 (721) | 1,590 (721) | 1,590 (721) |
| Ramp Angle (with Industrial Tires) | 15° | 15° | 15° |
| Street Pads | Optional | Optional | Optional |
| Bucket Options | Various (9" – 24") | | |
| Backhoe Weight lb (kg) | 677 (307) | | |
| Available Option | Mechanical thumb backhoe | | |

| M60 Mid-Mount Mower | | | |
|------------------------|------------------|---------------------|---------------------|
| Discharge Type | Side discharge | Side discharge | Side discharge |
| Mounting Method | Ground following | Ground following | Ground following |
| Shell Type | Stamped | Fabricated 10 gauge | Fabricated 10 gauge |
| Cutting Width in (mm) | 60 (1,524) | 60 (1,524) | 60 (1,524) |
| Cutting Height in (mm) | 1-4 (25.4-101.6) | 1-4 (25.4-101.6) | 1-4 (25.4-101.6) |
| Number of Blades | 3 | 3 | 3 |
| Weight lb (kg) | 283.8 (129) | 363 (142) | 363 (142) |

Note: Attachments sold separately. Please see your local dealer for details.
***Based on backhoe manufacturer's relief setting.*
†See your local YANMAR Independent Dealer for warranty coverage and any details.

| YANMAR Loader Model | YL110 | YL210 |
|---|-------------|-------------|
| Maximum lift height (to pivot pin) in (mm) | 71 (1,800) | 79 (2,000) |
| Maximum lift height under level bucket in (mm) | 51 (1,295) | 58 (1,465) |
| Reach with attachment on ground in (mm) | 47 (1,205) | 53 (1,355) |
| Dump reach at maximum lift height in (mm) | 24 (610) | 36 (920) |
| Maximum dump angle | 40° | 40° |
| Bucket rollback angle | 30° | 30° |
| Digging depth at bucket level in (mm) | 3.9 (100) | 3.9 (100) |
| Bucket width in (mm) | 48 (1,219) | 53 (1,346) |
| Lift capacity at pivot pins lb (kg) | 825 (375) | 1,200 (545) |
| Breakout force at pivot pins lb (kg) | 1,342 (610) | 2,090 (950) |
| Raising time to full height without load | 3 sec | 3 7 sec |
| Lowering time without load (power down) | 1.8 sec | 2.23 sec |
| Bucket dumping time | 1.5 sec | 1.6 sec |
| Bucket rollback time | 2.2 sec | 2.3 sec |
| Bucket capacity ft³ (m³) | 5.3 (0.15) | 5.65 (0.16) |
| Bucket weight lb (kg) | 156.5 (71) | 136 (62) |
| Loader weight w/bucket lb (kg) | 358 (162) | 423 (192) |
| Loader valve, right-hand console mounted | Standard | Standard |

| Warranty Coverage for Your Tractor [†] | |
|---|--------------------------|
| Tractor (private individual usage) | 24 months or 2,000 hours |
| Powertrain (engine and transmission core components) | 10 years or 3,000 hours |
| Attachments | 1-year limited warranty |