



## Sc2450

MULTI-PURPOSE  
SUB-COMPACT  
TRACTOR

### FEATURES

PERFORMANCE  
LINK TECHNOLOGY™

5-YEAR LIMITED  
POWERTRAIN  
WARRANTY †

SELECTABLE 4WD WITH  
DIFFERENTIAL LOCK

SHIFT-ON-THE-GO®

HYDRAULIC  
POWER STEERING

BACKHOE BOOM  
FLOAT CONTROL

POP-UP SWIVEL SEAT

SHORT-STROKE  
BACKHOE CONTROLS

CRUISE CONTROL  
ELECTRO-HYDRAULIC PTO

REVERSE-OVERRIDE  
SWITCH FOR SAFE

PTO OPERATION

ONE-PIECE HOOD FOR  
EASE OF MAINTENANCE

12-VOLT DC OUTLET  
REVERSE-MOUNTED  
ENGINE

WIDE OPERATOR'S  
STATION

3-POINT HITCH  
POSITION CONTROL \*\*

## It's small, but big. Allow us to explain.

With the Sc2450, you get a sub-compact tractor that outworks much bigger machines. Its curved boom attachments, powerful hydraulics and fuel-efficient engine help you knock out jobs faster than ever before. Take a seat. You'll see that we put more into every Yanmar tractor so you can get more out of them.

### INNOVATIVE FEATURES

#### CURVED BOOM LOADER AND BACKHOE

Designed to get the most out of your tractor, the innovative backhoe with float control will take on any challenge. Plus, the curved boom loader offers the highest lift capacity in its class with greater visibility from behind the wheel. When you can dig deeper with more precision, you can effortlessly tackle the toughest jobs.



#### 24-HP\* INDIRECT-INJECTION DIESEL ENGINE

This high-performance, 3-cylinder, liquid-cooled diesel engine burns cleaner and more efficiently. The advanced combustion chamber design allows for better fuel atomization and a longer stroke, creating better torque reserve so you'll have plenty of power whenever you need it.



#### DUAL HYDRAULIC PUMPS

Separate hydraulic pumps deliver a more efficient flow of hydraulic fluid for a smooth hydraulic response without compromising horsepower. Whether you're using the curved boom loader or accelerating through rough terrain with power steering, you'll have the power you need to handle demanding jobs with ease.



\*As rated by engine manufacturer

\*\*3-point hitch is optional

†See Yanmar Independent

Dealer for warranty information

## Sc2450 Tractor Specifications

### POWERTRAIN

Gross HP	24 HP (17.9 kW)* diesel
PTO HP (Hyd)	16.5 (12.3 kW) at 3,200 RPMM
Rated RPM	3,200 RPM
Number of cylinders	3
Bore and stroke	72 x 74 mm
Total displacement	55.1 cu. in. (140 cm)
Ignition type	Indirect injection
Lubrication	Full pressure
Oil filter	Spin-on/full flow
Cooling system	Liquid cooled
Air cleaner	4" single dry (10.2 cm)
Preheat system	Glow plug
Alternator	40 amp.
Exhaust	Right side pointing down

### CAPACITIES

Fuel tank	5.8 gal. (22 l)
Cooling system	3.4 qt. (3.2 l)
Engine oil	2.5 qt. (2.36 l)
Transmission case	2.0 gal. (7.57 l)

### DRIVETRAIN

Transmission type	Hydrostatic
Number of ranges	2 Shift-On-The-Go®
4WD operations	2WD & 4WD selectable
Cruise control	Selectable
Rear differential lock	Foot pedal operation
PTO type	Independent
Mid PTO/RPM (standard)	2,100/3,338
Rear PTO/RPM (standard)	540/3,111
Brake	Wet disc

### MAXIMUM TRAVELING SPEED

Forward low	6.0 mph (10 km/h)
Forward high	9.3 mph (15 km/h)
Reverse low	3.6 mph (5.7 km/h)
Reverse high	5.6 mph (9 km/h)

### HYDRAULICS

Type	Open center
Pump	Gear/Trochoid
Steering/SCV/backhoe/3-pt hitch	3.5 gpm (13.2 l/min) at 3,200 tr/min
Transmission/hydraulic PTO	3.4 gpm (12.9 l/min) at 3,200 tr/min
Maximum pump capacity	6.9 gpm (26 l/min) at 3,200 tr/min
3-point hitch**	Limited Category 1
3-point lift capacity at 24" behind	661 lbs. (300 kg)
Hydraulic control system	Position control

### DIMENSIONS

Wheelbase	55 in. (140 cm)
Width	44.5 in. (114 cm)
Overall length w/ loader and backhoe	172.5 in. (436 cm)
Ground clearance	7.5" (19 cm) (w/R4)
Weight w/ROPS & fluids	2,525 lbs. (1,145 kg)

### TIRE SIZE

Front industrial/turf	18 in. x 8.5 in. – 10 in. (45 cm x 21 cm – 25 cm)
Rear industrial/turf	26 in. x 12.0 in. – 12 in. (66 cm x 30 cm – 30 cm)

### RESIDENTIAL/COMMERCIAL WARRANTY†

Tractor	2-year or 2,000-hour limited warranty
Engine/drivetrain	5-year or 2,500-hour limited warranty

## Sc2450 Attachment Specifications

### CL100 CURVED BOOM LOADER

Maximum lift height at pivot point	71 in. (180 cm)
Dump clearance	54 in. (137 cm)
Reach at maximum height	27 in. (69 cm)
Maximum dump angle	45°
Reach w/bucket on ground	40 in. (101 cm)
Maximum rollback angle	25°
Digging depth	4 in. (10 cm)
Overall height in carry position	37 in. (94 cm)
Length of attachment (bucket bottom)	19,25 in. (49 cm)
Maximum lift height under bucket	66 in. (168 cm)
Bucket width/weight	48 in. / 125 lbs. (122 cm / 57 kg)
Bucket capacity	5 cu. ft. (141 l)
Lift capacity 500 mm forward of the pivot pins, maximum height	550 lbs. (250 kg)
Lift capacity at pivot pins, maximum height	700 lbs. (320 kg)
Breakout force at bucket pins	1,350 lbs. (613 kg)
Breakout force at 500 mm forward of the pivot pins	1,050 lbs. (477 kg)
Raising time to full height w/o load	3.5 sec.
Lowering time w/o load (power down)	2.5 sec
Attachment rollback time	2 sec.
Attachment dumping time	1.5 sec.
Rated flow	3.5 GPM (13.2 l)
Relief valve	1,813 PSI (127 kgf/cm²)

### CURVED BOOM BACKHOE

Maximum digging depth	76.5" (194 cm)
Digging depth (2' flat bottom)	74" (188 cm)
Swing arc	150°
Loading height (bucket at 60°)	60" (152 cm)
Reach from swing pivot	104" (264 cm)
Transport height	66" (167 cm)
Bucket rotation	180°
Loading reach	33" (83 cm)
Transport overhang	37" (94 cm)
Undercut	17" (43 cm)
Stabilizer spread (down)	74" (188 cm)
Bucket cylinder digging force	2,036 lbs. (925 kg)
Dipperstick cylinder digging force	1,187 lbs. (539 kg)
Weight (less bucket)	620 lbs. (281 kg)
Operating pressure	1,857 psi (130 kgf/cm²)
Ramp angle (w/industrial tires)	20.5°
Street pads	Optional
Bucket options	8", 12" (20 cm, 30 cm)

### RESIDENTIAL/COMMERCIAL WARRANTY†

Attachments	1-year limited warranty
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\* As rated by engine manufacturer

\*\* 3-point hitch is optional

† See your local Yanmar Independent Dealer for warranty details.

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