

YANMAR

Ex450 COMPACT UTILITY TRACTOR



FEATURES

PERFORMANCE
LINK TECHNOLOGY™

5-YEAR LIMITED
POWERTRAIN
WARRANTY †

FULL LINE OF
ATTACHMENTS
AVAILABLE, INCLUDING
QUICKATTACH™ LOADER
SYSTEM

SELECTABLE 4WD WITH
DIFFERENTIAL LOCK
HYDRAULIC POWER
STEERING

HIGH-CAPACITY DUAL
HYDRAULIC PUMPS

TIGHT TURNING RADIUS

INDIVIDUAL TURNING
BRAKES

WET MULTI-DISC BRAKES

FOUR TIRE OPTIONS

CAST-IRON CHASSIS

LARGE OPERATOR'S
STATION

HIGH-BACK SEAT

OPTIONAL SELECTABLE
CONTROL VALVE WITH
LOCKOUT FEATURE

REAR REMOTE VALVE

**THE HANDLING OF SMALLER TRACTORS
WITH THE POWER THEY LEAVE OUT.**

Along with the unparalleled handling and ease-of-operation of our Ex models, we've added some serious power with a 4-cylinder, 45-hp* engine. The result is the extremely powerful - but still nimble - Ex450.

Put one to the test. You'll see that it stands up to the big jobs that other tractors can't.

INNOVATIVE FEATURES



45-HP* DIRECT-INJECTION DIESEL ENGINE

A 4-cylinder, 45-hp direct-injection diesel engine delivers higher reserve torque for more usable horsepower. You'll get work done faster with this high-performance engine that's designed to be incredibly powerful, fuel efficient and quiet.



9X9 SYNCHRO SHUTTLE TRANSMISSION

Easily change direction of travel with the quick-shifting Synchro Shuttle transmission. Shift from forward to reverse in nine different speeds without stopping. You'll greatly increase loader work productivity and make your entire to-do list a whole lot easier.



POWERFUL LIFT CAPACITY

The Category 1, 3-point hitch has a lift capacity of over 2,400 lbs. This allows for the use of a wide range of rear attachments and ensures that the versatility of the Ex450 is equal to its power. When you can access the power you need to tackle big jobs, you'll get the most out of every attachment — and every minute on the job.

*As rated by engine manufacturer
†See Yanmar Independent
Dealer for warranty information

Ex450 Tractor Specifications

POWERTRAIN

Gross HP	45 HP* diesel
PTO HP (Hyd)	37.5 at 2,700 RPM
Rated RPM	2,700 RPM
Bore and stroke	88 x 90 mm
Total displacement	133.6 cu. in.
Ignition type	Direct injection
Air cleaner	Dual dry
Lubrication	Full pressure
Cooling system	Liquid cooled
Number of cylinders	4

CAPACITIES

Fuel tank	11.3 gal.
Cooling system	4.7 qt.
Engine oil	5.6 qt.
Transmission case	7 gal.
Front axle	2 gal.

DRIVETRAIN

Transmission type	9F x 9R synchronized shuttle
Clutch	Dual stage dry
Rear differential lock	Foot pedal operation
2WD/4WD engagement	Selectable
Final drive	Planetary gear
Brake	Wet disc
Number of ranges	3
PTO type	Continuous live
Rear PTO/RPM	547/2,700
Mid PTO/RPM	N/A

HYDRAULICS

Type	Open center
Pump	Gear
Maximum pump capacity	12.7 GPM at 2,700 RPM
Pump capacity (main)	8.2 GPM at 2,700 RPM
Pump capacity (steering)	4.5 GPM at 2,700 RPM
3-point hitch	Category 1
Control system	Position control
3-point lift capacity at 24" behind	2,464 lbs.
Loader control valve	Optional
Power steering	Fully hydraulic

DIMENSIONS

Wheelbase	72"
Width	71.89"
Overall length w/o 3-pt hitch	126.4"
Ground clearance	13.7"
Weight w/ROPS	3,499 lbs.

TIRE SIZE

Front industrial	10" – 16.5"
Rear industrial	17.5" – 24"
Front agricultural	8" – 16"
Rear agricultural	14.9" – 24"
Front turf	27" x 10.5" – 15"
Rear turf	44" x 18" – 20"
Front Galaxy® turf	27" x 12" – 15"
Rear Galaxy® turf	44" x 16.1" – 22.5"

RESIDENTIAL/COMMERCIAL

WARRANTY†

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

* As rated by engine manufacturer

** 3-point hitch is optional

† See your local Yanmar Independent Dealer for warranty details.

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Ex450 Attachment Specifications

CL400 LOADER

Maximum lift height (to bucket pivot pin)	104.3"
Maximum lift height at bottom of bucket	96.5"
Reach with attachment on ground	55.7"
Overall height in carry position	55.9"
Length of attachment	23.5"
Dump clearance	82.7"
Dump reach at maximum lift height	20.2"
Maximum dump angle	40°
Bucket rollback angle	30°
Digging depth at bucket level	5.9"
Bucket width	72"
Lift capacity at bucket pins	1,692 lbs.
Maximum lift 500 mm forward of the pivot pins	1,225 lbs.
Lift capacity to 59" at pivot pins	1,971 lbs.
Lift capacity 59" at 500 mm forward of the pivot pins	1,551 lbs.
Lift capacity (bucket center)	1,375 lbs.
Breakout force 500 mm forward of the pivot pins	2,042 lbs.
Breakout force at bucket pins	2,728 lbs.
Raising time to full height w/o load	3.3 sec.
Lowering time w/o load (power down)	2.0 sec.
Bucket dumping time	1.5 sec.
Bucket rollback time	2.0 sec.
Rated flow	8.45 GPM
Relief valve	2,427 PSI
Bucket capacity	10.9 cu. ft.
Bucket weight	255 lbs.
Loader weight w/o bucket	680 lbs.
Loader valve	Optional
Grille guard	Standard

CB85 BACKHOE

Maximum digging depth	103"
Digging depth (2' flat bottom)	102"
Swing arc	180°
Loading height (bucket at 60°)	87"
Reach from centerline of swing pivot	142"
Transport height (maximum)	91"
Bucket rotation	180°
Loading reach (bucket at 60°)	46"
Transport overhang	54"
Undercut	22"
Stabilizer spread — up position	54"
Stabilizer spread — down position	99"
Bucket cylinder digging force	3,730 lbs.
Dipperstick cylinder digging force	2,435 lbs.
Weight (less bucket)	1,350 lbs.
Operating pressure	2,550 PSI
Ramp angle (with industrial tires)	18°
Street pads	Standard
Bucket options	Various 14" – 36"

RESIDENTIAL/COMMERCIAL

WARRANTY†

Attachments	1-year limited warranty
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