



Ex450

COMPACT UTILITY TRACTOR

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

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

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



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.

Ex450 Tractor Specifications

POWERTRAIN

Gross HP	45 HP (33.5 kW)* diesel
PTO HP (Hyd)	37.5 (28 kW) at 2,700 RPM
Rated RPM	2,700 RPM
Bore and stroke	88 x 90 mm
Total displacement	133.6 cu. in. (2.17 l)
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. (42.77 l)
Cooling system	4.7 qt. (4.44 l)
Engine oil	5.6 qt. (5.29 l)
Transmission case	7 gal. (26.49 l)
Front axle	2 gal. (7.57 l)

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
PO type	Continuous live
Rear PTO/RM	547/2,700
Mid PTO/RPM	N/A

HYDRAULICS

Type	Open center
Pump	Gear
Maximum pump capacity	12.7 GPM (48.1 l/min) at 2,700 RPM
Pump capacity (main)	8.2 GPM (31 l/min) at 2,700 RPM
Pump capacity (steering)	4.5 GPM (17 l/min) at 2,700 RPM
3-point hitch	Category 1
Control system	Position control
3-point lift capacity at 24" behind	2,464 lbs. (1,120 kg)
Loader control valve	Optional
Power steering	Fully hydraulic

DIMENSIONS

Wheelbase	72 in. (182 cm)
Width	71.89 in. (182.6 cm)
Overall length w/o 3-pt hitch	126.4 in. (321 cm)
Ground clearance	13.7 in. (35 cm)
Weight w/ROPS	3,499 lbs. (1,590 kg)

TIRE SIZE

Front industrial	10 – 16.5 in. (25 – 42 cm)
Rear industrial	17.5 – 24 in. (44 – 61 cm)
Front agricultural	8 – 16 in. (20 – 40 cm)
Rear agricultural	14,9 – 24 in. (38 – 61 cm)
Front turf	27 in. x 10.5 in. – 15 in. (68 cm x 27 cm – 38 cm)
Rear turf	44 in. x 18 in. – 20 in. (111 cm x 46 cm – 51 cm)
Front Galaxy® turf	27 in. x 12 in. – 15 in. (68 cm x 30.5 cm – 38 cm)
Rear Galaxy® turf	44 in. x 16.1 in. – 22.5 in. (111 cm x 41 cm – 57 cm)

RESIDENTIAL/COMMERCIAL

WARRANTY†

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

Ex450 Attachment Specifications

CL400 LOADER

Maximum lift height (to bucket pivot pin)	104.3 in. (265 cm)
Maximum lift height at bottom of bucket	96.5 in. (245 cm)
Reach with attachment on ground	55.7 in. (141,5 cm)
Overall height in carry position	55.9 in. (94 cm)
Length of attachment	23.5 in. (60 cm)
Dump clearance	82.7 in. (210 cm)
Dump reach at maximum lift height	20.2 in. (51 cm)
Maximum dump angle	40°
Bucket rollback angle	30°
Digging depth at bucket level	5.9 in. (15 cm)
Bucket width	72 in. (183 cm)
Lift capacity at bucket pins	1,692 lbs. (769 kg)
Maximum lift 500 mm forward of the pivot pins	1,225 lbs. (556 kg)
Lift capacity to 59° at pivot pins	1,971 lbs. (895 kg)
Lift capacity 59° at 500 mm forward of the pivot pins	1,551 lbs. (705 kg)
Lift capacity (bucket center)	1,375 lbs. (625 kg)
Breakout force 500 mm forward of the pivot pins	2,042 lbs. (928 kg)
Breakout force at bucket pins	2,728 lbs. (1,240 kg)
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 (32 l/min)
Relief valve	2,427 PSI (170 kgf/cm ²)
Bucket capacity	10.9 cu. ft. (308 l)
Bucket weight	255 lbs. (115 kg)
Loader weight w/o bucket	680 lbs. (309 kg)
Loader valve	Optional
Grille guard	Standard

CB85 BACKHOE

Maximum digging depth	103 in. (261 cm)
Digging depth (2' flat bottom)	102 in. (259 cm)
Swing arc	180°
Loading height (bucket at 60°)	87 in. (221 cm)
Reach from centerline of swing pivot	142 in. (360 cm)
Transport height (maximum)	91" (231 cm)
Bucket rotation	180°
Loading reach (bucket at 60°)	46 in. (116 cm)
Transport overhang	54 in. (137 cm)
Undercut	22 in. (56 cm)
Stabilizer spread — up position	54 in. (137 cm)
Stabilizer spread — down position	99 in. (251 cm)
Bucket cylinder digging force	3 730 lbs. (1,695 kg)
Dipperstick cylinder digging force	2 435 lbs. (1,106 kg)
Weight (less bucket)	1 350 lbs. (613 kg)
Operating pressure	2,550 PSI
Ramp angle (with industrial tires)	18°
Street pads	Standard
Bucket options	Various 14 – 36 in. (35 – 90 cm)

RESIDENTIAL/COMMERCIAL

WARRANTY†

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

** 3-point hitch is optional

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