



YT347/ YT347C YT359/ YT359C

FEATURES

- ERGONOMIC OPERATOR STATION
- FACTORY CAB WITH HEAT AND AIR CONDITIONING CONTROLS ON JOYSTICK
- LARGE LCD DISPLAY INTEGRATES WITH CONTROLS
- ANTI-STALL
- CRUISE CONTROL
- REAR REMOTE
- LOADER CONTROL VALVE & JOYSTICK
- LOADER 3RD FUNCTION VALVE
- RADIO KIT
- 12V OUTLET
- ADVANCED ELECTRONIC CONTROLS
- AUTO THROTTLE
- ELECTRONIC CRUISE CONTROL
- A/B MODE
- THROTTLE BOOST BUTTON
- i-HMT TRANSMISSION

Comfort + Control + Innovation

I-HMT (Integrated Hydro Mechanical Transmission):



- High power transfer ratio
- Repeatable operating speed
- Low fuel consumption due to increased transmission efficiency
- Step-less main shift
- Best speed possible for implement
- Clutch-less shifting
- Vehicle stop without clutch

ADVANCED ELECTRONIC CONTROLS

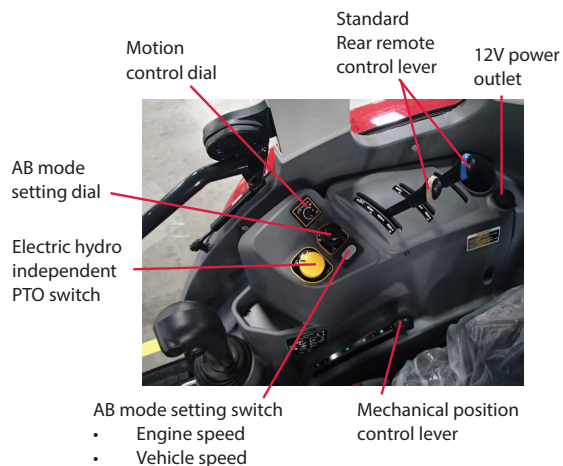


Boost button

3rd function valve switch

AB mode switch

ERGONOMIC OPERATOR STATION



Motion control dial

Standard Rear remote control lever

12V power outlet

AB mode setting dial

Electric hydro independent PTO switch

AB mode setting switch
• Engine speed
• Vehicle speed

Mechanical position control lever



Yanmar YT347/YT347C YT359/YT359C Specifications

POWERTRAIN	YT347 ROPS	YT347 CAB	YT359 ROPS	YT359 CAB
Maker	Yanmar		Yanmar	
Model	4TNV88C Tier 4		4TNV98C Tier 4	
Gross Power	46 HP (34.3 kW)*		58.9 HP (43.9 kW)*	
PTO Power at Working Speed	39.5 HP (29.1 kW)		52.0 HP (38.3kW)	
PTO Power at Zero Speed	36.4 HP (26.8 kW)		48.9 HP (36 kW)	
Rated RPM	2,800 RPM		2,500 RPM	
Total displacement	133.5 cu. In. (2.189 L)		202.5 cu. In. (3.318 L)	
Aspiration	Naturally Aspirated		Naturally Aspirated	
Cooling system	Liquid cooled		Liquid cooled	
Number of cylinders	4		4	
Battery	650 CCA		880 CCA	
Alternator	12-55		12-55	

CAPACITIES

Fuel tank	12.7 gal. (48 L)
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DRIVETRAIN

Transmission type	I-HMT(Integrated Hydro Mechanical Transmission)
Rear differential lock	Foot pedal engagement
2WD/4WD engagement	Selectable
Brakes	Mechanical wet disc
Reverser	Power shift
Number of ranges	3 Range (Variable Speed)
Rear PTO/RPM	540 RPM

HYDRAULICS

Pump capacity (steering) @ Rated RPM	5.7 GPM (21.7 L/min)	5.3 GPM (20.1 L/min)
Pump capacity (implement) @ Rated	10.1 GPM (38.3 L/min)	9.4 GPM (35.5 L/min)
3-point hitch	Category 1	
3-point lift capacity (std.)	3,307 lbf. (1,500 kgf)	
3-point lift capacity at 24" (61 cm)	2,756 lbf. (1,250 kgf)	
4-way loader control valve	Standard	
Power steering	Fully Hydraulic	

DIMENSIONS

	YT347 ROPS	YT347 CAB	YT359 ROPS	YT359 CAB
Wheelbase	75.9" (1,927 mm)		77.4" (1,967 mm)	
Width (with R4 Tires)	70.6" (1,793 mm)		70.6" (1,793 mm)	
Overall length (with 3PH and R4 Tires)	130.9" (3,325 mm)		132.1" (3,355 mm)	
Overall height (with R4 Tires)	95.7" (2,431 mm)	89.5" (2,274 mm)	95.7" (2,431 mm)	89.5" (2,274 mm)
Ground clearance (with R4 Tires)	12.8" (326 mm)			
Weight (with ROPS, R4 Tires, Full Fluid)	3,880 lbs. (1,760 kg)	4,284 lbs. (1,943 kg)	4,039 lbs. (1,832 kg)	4,442 lbs. (2,015 kg)

TIRE SIZE

Front	R1	8" - 16"	Rear	R1	14.9" - 24"
	R3	27" x 10.5" - 15"		R3	44" x 18" - 20"
	R4	10" - 16.5"		R4	17.5" L - 24"

TRAVELING SPEEDS

Forward (with R1 Tires)	0 - 18 mph (0 - 29 kmh)
Reverse (with R1 Tires)	0 - 18 mph (0 - 29 kmh)

YL610 LOADER

Maximum lift height (to bucket pivot pin)	113" (2,870 mm)
Dump clearance	88" (2,235 mm)
Digging depth at bucket level	7.5" (190.5 mm)
Bucket width	72" (1,829 mm)
Lift capacity at pivot pins	2,500 lbs. (1,134 kg)
Lift capacity at 500 mm forward of the pivot pins	1,795 lbs. (814 kg)
Breakout force 500 mm forward of the pivot pins	3,047 lbs. (1,382 kg)
Breakout force at pivot pins	3,969 lbs. (1,800 kg)
Raising time to full height w/o load	4.6 sec.
Lowering time w/o load (power down)	3.1 sec.
Bucket dumping time	1.6 sec.
Bucket rollback time	2.8 sec.
Bucket capacity	10.9 cu. ft. (0.309 m ³)
Grille guard	Standard

*YL610 Specifications based on YT359 R4 configuration

B90 BACKHOE

Digging depth (2' flat bottom)	109" (2,769 mm)
Swing arc	180°
Loading height (bucket at 60°)	89" (2,261 mm)
Transport height (maximum)	97" (2,464 mm)
Bucket rotation	180°
Stabilizer spread - up position	66" (1,676 mm)
Stabilizer spread - down position	100" (2,540 mm)
Bucket cylinder digging force	*5,070 lbf. (2,299 kgf)
Dipperstick cylinder digging force	*2,900 lbf. (1,315 kgf)
Operating Pressure	*2,500 PSI (17.2 MPa)
Ramp angle (w/industrial tires)	18°
Street pads	Option
Bucket options	Various 12" - 36" (200 - 400 mm)

*Based on backhoe manufacturers relief setting

WARRANTY COVERAGE FOR YOUR TRACTOR*

Tractor (Private Individual Usage)	24 months or 2,000 hours
Power train (Engine and transmission core components)	5 years or 2,500 hours
Attachments	1-year limited warranty

*As rated by engine manufacturer

**Values published are for descriptive purposes only and Yanmar reserves the right to change the values.

†See your local Yanmar Independent Dealer for warranty coverage and any details.

Note: Attachments sold separately. Please see your local dealer for details.