

# 1990 YAMAHA ATVS



# Yamaha Utility A.T.V.'s:

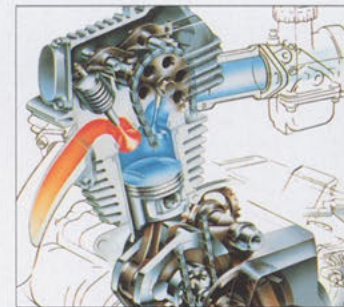


## PRO HAULER

- 229.6 cc SOHC four-stroke engine develops strong low-end torque for moving heavy loads.
- Push button electric starter makes starting a snap.
- Five-speed, dual range transmission features a convenient reverse gear and a synchronizer in the transfer lever.  
The Pro Hauler turf version is equipped with a low range five-speed transmission with reverse.
- Lock-in, lock-out differential makes carrying or towing heavy loads at low speeds easy and reduces damage to turf.

- Shaft drive reduces maintenance and increases reliability.
- Independent, swing axle front and swingarm rear suspension use heavy-duty shock absorbers to smooth out rough terrain.
- Sealed drum brakes keep out dirt and moisture for improved efficiency.
- Automotive-style parking brake for added convenience.
- The YFU1 "T" features specially designed tires that minimize damage to turf.

## PRO HAULER-T



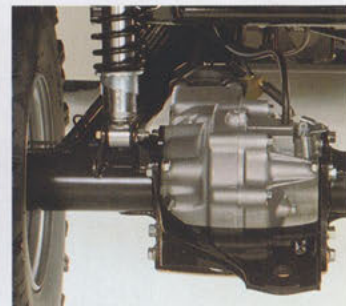
4-stroke, SOHC, powerplant



Special turf tires



Convenient H-L-R shift lever



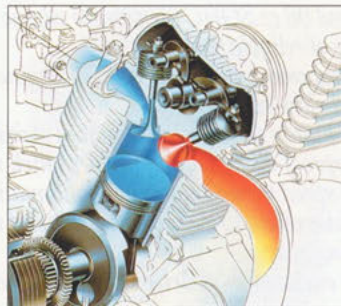
Rear differential

# Work Should Always Be This Much Fun.



## BIG BEAR

- 348 cc SOHC four-stroke engine puts out plenty of low-speed torque for superior pulling power.
- CD ignition with digital spark advance improves engine performance.
- A standard oil cooler extends maintenance intervals and engine life.
- An electric starter fires up the engine in any gear with a push of a button.
- Full-time four-wheel drive and Torque Control Differential provide excellent maneuverability particularly in slippery conditions.
- Five-speed, dual-range transmission with reverse lets the Big Bear climb most obstacles.
- Centrally located front differential reduces steering effort.
- Independent, double-wishbone front suspension and large-diameter tires offer nimble, sporty handling.
- Patented Monocross rear suspension provides ample wheel travel and a smooth, comfortable ride.
- Sealed, hydraulic dual-drum front and mechanical rear disc brakes stop the Big Bear in a hurry, regardless of the terrain.
- Full length skid plate protects the underside of the Big Bear from rocks and stumps.



4-stroke, SOHC, engine

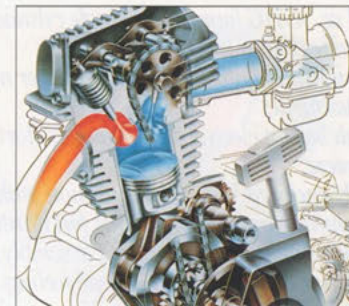


Torque Control Differential

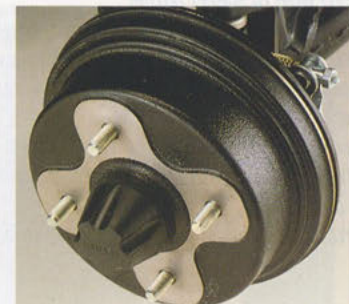


## YFM250

- 229.6 cc SOHC four-stroke engine puts out plenty of reliable power for work or play.
- Synchronised dual-range transmission has ten forward speeds and a reverse gear for added maneuverability in tight places.
- A push button electric starter makes starting a snap.
- Waterproof CD ignition, automatic cam-chain tensioner and shaft drive keep the YFM250 on the go and out of the shop.
- Independent, swing axle front suspension features heavy-duty, preload-adjustable shock absorbers.
- Monocross rear suspension features a preload-adjustable shock that lets you tailor spring stiffness to match the weight load.
- Rugged front and rear racks can carry up to 180 kgs of load.
- Dual-drum front brakes are sealed against water and mud for improved efficiency and durability. Mechanical rear disc is equipped with a handy parking brake.
- Dual headlights and speedometer come as standard equipment.



4-stroke, SOHC, engine



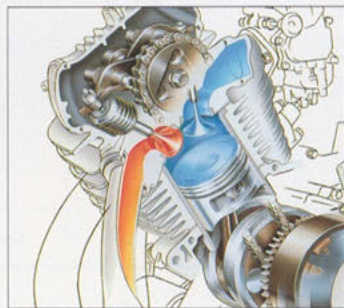
Fully sealed front brakes

# Yamaha Invites You To



## WARRIOR

- Oversquare SOHC 348 cc four-stroke engine delivers plenty of power over a broad rpm range.
- Mikuni BTM36 flat-side carburetor offers instantaneous throttle response.
- Close-ratio, six-speed transmission with reverse ensures hours of riding enjoyment.
- Convenient push button electric starting.
- CD ignition with digital spark advance enhances power output and needs no adjustment.
- Double-wishbone front suspension features heavy-duty shock absorbers for precise ride control.
- Rising-rate Monocross rear suspension provides a smooth, comfortable ride.
- Reservoired gas/oil shock absorber is fully adjustable for both compression and rebound damping as well as spring preload.
- 50/50 weight distribution between the front and rear axles provides light responsive steering.
- Dual front disc brakes and large 245 mm rear disc brake ensure reliable stopping power.
- Powerful dual 12 volt headlights pierce the darkest night.



4-stroke, SOHC engine

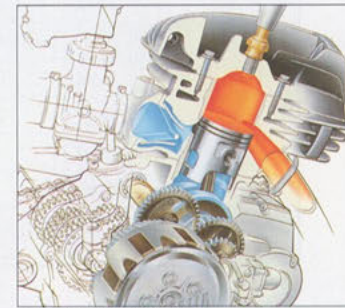


Monocross rear suspension



## BLASTER

- Enduro based 195 cc air-cooled two-stroke engine combines economy, and dependability with performance.
- Integral counterbalancer reduces vibration for added rider comfort.
- Yamaha's Autolube system automatically mixes gas and oil to eliminate messy premixing.
- Six-speed transmission and manual clutch lets the rider use every bit of the engine's responsive power.
- CD ignition provides quick, reliable starting.
- Independent, double-wishbone front suspension offers light steering and precise control.
- Monocross rear suspension features a rugged Bilstein-type shock absorber.
- Dual front drums and mechanical rear disc brakes provide quick, reliable stops.
- Dual-tube frame construction makes the Blaster one tough performer.
- Tight turning radius ensures maximum maneuverability whether on track or trail.
- Powerful headlight is protected by a sturdy steel guard.



2-stroke, single cylinder engine



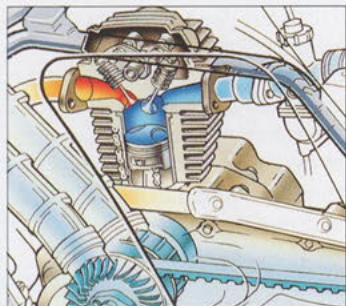
Monocross rear suspension

# Enter The Fun Zone.



## BREEZE

- 124 cc SOHC four-stroke single cylinder engine provides lots of torque power.
- CD ignition with electronic advancer needs no adjustment.
- Push button electric starter makes starting the Breeze a breeze.
- Fully enclosed V-belt transmission with reverse needs no shifting or clutching – just put it into gear and go.
- Continuous fender/footboard assembly and low, roomy seat give the rider an in-control feeling.
- Independent, swing axle front suspension provides a full 70 mm of wheel travel.
- Monocross rear suspension uses a single hydraulic shock to smooth out the roughest terrain.
- Dual front drum brakes and a large rear drum offer plenty of stopping power.
- Powerful headlight and 12 volt battery.
- 7 litre fuel tank and economical engine mean hours of fun between fill-ups.
- Ultra quiet muffler keeps everyone smiling.



4-stroke, SOHC, engine

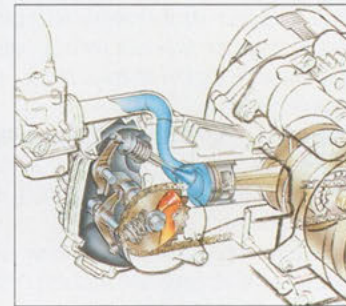


Convenient F-N-R shift lever



## CHAMP

- Rugged 98 cc SOHC four-stroke engine produces plenty of reliable power.
- Integral counterbalancer reduces engine vibration for added rider comfort.
- Push button electric starter makes starting a snap.
- Waterproof CD ignition provides quick reliable starts.
- Four-speed transmission with automatic clutch lets the rider concentrate on riding without worrying about shifting gears.
- Fully enclosed shaft drive is virtually maintenance free.
- Monocross rear suspension smooths out the roughest terrain.
- Leading-arm front suspension provides excellent handling and light steering.
- Dual 110 mm front drum brakes complement the powerful 130 mm rear drum brake.
- Large headlamp casts a powerful beam for night riding.
- 7 litre fuel tank ensures lots of fun between fill-ups.



4-stroke, SOHC, powerplant



Monocross rear suspension

SPECIFICATIONS		PRO HAULER	PRO HAULER-T	BIG BEAR	YFM250	WARRIOR	BLASTER	BREEZE	CHAMP	
ENGINE	Type	4-stroke, SOHC, single	4-stroke, SOHC, single	4-stroke, SOHC, single	4-stroke, SOHC, single	4-stroke, SOHC, single	2-stroke, single	4-stroke, SOHC, single	4-stroke, SOHC, single	
	Displacement	229.6 cc	229.6 cc	348 cc	229.6 cc	348 cc	195 cc	124 cc	98 cc	
	Bore & stroke	71 × 58 mm	71 × 58 mm	83.0 × 64.5 mm	71 × 58 mm	83.0 × 64.5 mm	66 × 57 mm	49 × 66 mm	49 × 52 mm	
	Compression ratio	8.7 : 1	8.7 : 1	8.6 : 1	8.7 : 1	9.2 : 1	6.6 : 1	9.0 : 1	9.4 : 1	
	Maximum torque	1.7 kg-m (12.3 ft.-lbs.) @4,000 rpm	1.7 kg-m (12.3 ft.-lbs.) @4,000 rpm	2.4 kg-m (17.4 ft.-lbs.) @5,000 rpm	1.9 kg-m (13.7 ft.-lbs.) @5,500 rpm	2.8 kg-m (20.3 ft.-lbs.) @6,000 rpm	2.1 kg-m (15.2 ft.-lbs.) @7,000 rpm	0.83 kg-m (6.0 ft.-lbs.) @6,000 rpm	0.8 kg-m (5.8 ft.-lbs.) @6,000 rpm	
	Carburetion	Mikuni VM22SH	Mikuni VM22SH	Mikuni BTM32SH	Mikuni VM24SH	Mikuni BTM36SH	Mikuni VM26SS	Mikuni VM18SH	Mikuni VM16SH	
	Ignition	Capacitor discharge	Capacitor discharge	Capacitor discharge	Capacitor discharge	Capacitor discharge	Capacitor discharge	Capacitor discharge	Capacitor discharge	
	Starting	Electric	Electric	Electric/Recoil	Electric/Recoil	Electric	Kick	Electric	Electric	
	Lubrication	Wet sump	Wet sump	Wet sump	Wet sump	Wet sump	Autolube	Wet sump	Wet sump	
	Oil [tank] capacity	2.8 / (2.5 Imp. qt.)	2.8 / (2.5 Imp. qt.)	3.7 / (3.3 Imp. qt.)	2.8 / (2.5 Imp. qt.)	3.2 / (2.8 Imp. qt.)	[1.3 / (1.1 Imp. qt.)]	1.5 / (1.3 Imp. qt.)	1.0 / (0.8 Imp. qt.)	
	Transmission	5-forward, 1-reverse	5-forward, 1-reverse	5-forward, 1-reverse	5-forward, 1-reverse	6-forward, 1-reverse	6-speed	Automatic with reverse	4-speed	
CHASSIS	Overall length	2,200 mm (86.6")	2,200 mm (86.6")	1,885 mm (74.2")	1,860 mm (73.2")	1,840 mm (72.4")	1,735 mm (68.3")	1,640 mm (64.6")	1,520 mm (59.8")	
	Overall width	1,220 mm (48.0")	1,220 mm (48.0")	1,095 mm (43.1")	1,115 mm (43.9")	1,080 mm (42.5")	1,035 mm (40.7")	965 mm (38.0")	885 mm (34.8")	
	Overall height	1,040 mm (40.9")	1,040 mm (40.9")	1,110 mm (43.7")	1,005 mm (39.6")	1,080 mm (42.5")	1,040 mm (40.9")	980 mm (38.6")	960 mm (37.8")	
	Wheelbase	1,500 mm (59.1")	1,500 mm (59.1")	1,210 mm (47.6")	1,185 mm (46.7")	1,200 mm (47.2")	1,100 mm (43.3")	1,080 mm (42.5")	1,030 mm (40.6")	
	Ground clearance	170 mm (6.7")	170 mm (6.7")	180 mm (7.1")	135 mm (5.3")	135 mm (5.31")	120 mm (4.7")	145 mm (5.7")	130 mm (5.1")	
	Seat height	770 mm (30.3")	770 mm (30.3")	830 mm (32.7")	730 mm (28.7")	765 mm (30.1")	740 mm (29.1")	690 mm (27.2")	670 mm (26.4")	
	Dry weight	270 kg (595 lbs.)	270 kg (595 lbs.)	254 kg (560 lbs.)	212 kg (467 lbs.)	180 kg (396 lbs.)	145 kg (319 lbs.)	135 kg (298 lbs.)	115 kg (254 lbs.)	
	Fuel tank capacity	13.0 / (2.9 Imp. gal.)	13.0 / (2.9 Imp. gal.)	10.0 / (2.2 Imp. gal.)	12.0 / (2.6 Imp. gal.)	9.0 / (2.0 Imp. gal.)	9.0 / (2.0 Imp. gal.)	7.0 / (1.5 Imp. gal.)	6.8 / (1.5 Imp. gal.)	
	Suspension	Front	Swing axle	Swing axle	Double wishbone	Swing axle	Double wishbone	Double wishbone	Swing axle	Leading arm
		Rear	Swingarm with Monocross	Swingarm with Monocross	Swingarm with Monocross	Swingarm with Monocross	Swingarm with Monocross	Swingarm with Monocross	Swingarm with Monocross	Swingarm with Monocross
	Brakes	Front	Dual drums	Dual drums	Dual drums	Dual drums	Dual discs	Dual drums	Dual drums	Dual drums
		Rear	Dual drums	Dual drums	Single disc	Single disc	Single disc	Single disc	Single drum	Single drum
	Tires	Front	22 × 8-10	22 × 8-10	25 × 8-12	22 × 8-10	21 × 7-10	21 × 7-10	20 × 7-8	18 × 7-7
Rear		23 × 12-9	23 × 12-9	25 × 10-12	25 × 12-9	22 × 10-9	21 × 10-8	22 × 10-8	20 × 9-8	
Colouring	Beige	Beige	Sunny Beige, Low Gross Gray	Chappy Red, French Blue	Faraway Blue	Solid Fine Silver	Solid Fine Silver	Solid Fine Silver		

# YAMAHA

We make the difference.™

*Dress properly for your ride with a helmet, eye protection, long-sleeved shirt, long trousers, gloves and boots.  
Designed for off-road, operator use only. This product is to be used by one person only. Yamaha encourages you to ride safely and respect the environment.  
Do not drink and drive. Use Yamaha authorized implements.  
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