

AMA Sports Youth Motocross 51cc Stock Class approved 2004 models

Brand	YAMAHA	SUZUKI	KTM	KTM	KTM	KTM	COBRA	COBRA	COBRA
Year	2004	2004	2004	2004	2004	2004	2004	2004	2004
Model	PW50 Oil-Injected	JR-50K3 Oil-injected	50 Mini Adventure O.I.	50 SR Adventure	SX PRO JR LC	SX PRO SR LC	PW3 O.I.	CM	King
Bore	40 mm	41 mm	39.5 mm	39.5 mm	39.5 mm	39.5 mm	39 mm	39 mm	39 mm
Stroke	39.2 mm	37.8 mm	40.0 mm	40.0 mm	40.0 mm	40.0 mm	41.7 mm	41.7 mm	41.7 mm
Displacement	49 cc	49 cc	49 cc	49 cc	49 cc	49 cc	49.8 cc	49.8 cc	49.8 cc
Cylinder Liner Material	Steel	Iron	Cast Iron	Cast Iron	Plated	Plated	Plated	Nikasil	Nikasil
Carburetion	YM12 Mikuni	VM 12SC Mikuni	Dell'Orto 12 mm	Dell'Orto 19 mm	Dell'Orto 14 mm	Dell'Orto 19 mm	Dell'Orto 12 mm	Dell'Orto 14 mm	Dell'Orto 19mm
Front Suspension	60 mm Telescopic	70 mm/2.8 in. Telescopic- Coil, w/2-way Adjust	4.7 in. Conventional	7.3 in. Conventional	5.5 in. Conventional	7.3 in. Conventional	4.75 in. Conventional	145 mm Marzocchi	Inverted Cobra 223mm
Rear Suspension	50 mm Unit Single	52mm/2 in. Swingarm, Twin Shock, Coil Spring, w/2-way Adjust	7.3 in. Single	7.3 in. Single	8.0 in. Single	7.3 in. Single	8.5" Cobra Hydraulic	167mm Ohlins	Ohlins 248mm
Wheelbase	33.7 in.	33.9 in.	35.6 in.	40.5 in.	35.8 in.	40.5 in.	35.75 in.	908 mm	990 mm
Front Wheel Size	10 in.	10 in.	10 in.	12 in.	10 in.	12 in.	10 in.	10 in.	12 in.
Rear Wheel Size	10 in.	10 in.	10 in.	10 in.	10 in.	10 in.	10 in.	10 in.	10 in.
Overall Length	49 in.	50.6 in.	51 in.	54.5 in.	51 in.	55.00 in.	51 in.	1448 mm	1397 mm
Seat Height	19.1 in.	18.9 in.	21.8 in.	26.5 in.	24 in.	26.6 in.	22 in.	23.88 in.	26 in.
Class 1 Stock 4-6	YES	YES	YES	NO	YES	NO	YES	YES	NO
Class 2 Stock 7-8	YES	YES	YES	YES	YES	YES	YES	YES	YES
Class 3 Stock 4-8	YES	YES	YES	NO	NO	NO	YES	NO	NO
Class 4 Stock 4-8	YES	YES	YES	NO	NO	NO	YES	NO	NO

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Brand	LEM	LEM	Honda	Kawasaki	Polini	Polini
Year	2004	2004	2004	2004	2004	2004
Model	R2	R3	XR50R3	KDX50	X1 Works	X3 Works
Bore	39 mm	39 mm	39 mm	41 mm	40.2 mm	40.2 mm
Stroke	41.7 mm	41.7 mm	41.4 mm	37.8 mm	39.3 mm	39.3 mm
Displacement	49.8 cc	49.8 cc	49 cc	49 cc	49 cc	49 cc
Cylinder Liner Material	Chromium	Chromium	Steel	Electrofusion	Alloy	Alloy
Carburetion	Dell'Orto PHBN14MS 14mm	Dell'Orto PHBG19BS-19mm	VM 12SC MIKUNI	VM 12SC MIKUNI	Dell'Orto 14 mm	Dell'Orto 19 mm
Front Suspension	Conventional 5.5 in. Marzocchi	7.25 in. Hydraulic Marzocchi	Inverted Telescopic Fork 3.8 in."	70 mm/2.8 in. Telescopic-Coil, w/2-way Adjust	Hydraulic 5 in.	Hydraulic 5 in.
Rear Suspension	6.0 Inch Paioli	7 Inch Hydraulic Paioli	Single Hydraulic Shock 2.8 in."	52 mm/2 in.. Swingarm, Twin. Shock, Coil Spring, w/2-way Adjust	Hydraulic 5 in.	Hydraulic 7 in.
Wheelbase	35.83 in.	38.78 in.	36.00 in.	33.9 in.	35.5 in.	40.6 in.
Front Wheel Size	10 in.	12 in.	10 in.	10 in.	10 in.	12 in.
Rear Wheel Size	10 in.	10 in.	10 in.	10 in.	10 in.	10 in.
Overall Length	51.18 in.	53.54 in.	51.4 in.	50.6 in.	51.5 in.	54.8 in.
Seat Height	23.82 in.	26.57 in.		18.9 in.	24 in.	28 in.
Class 1 Stock 4-6	YES	NO	NO	YES	YES	NO
Class 2 Stock 7-8	YES	YES	NO	YES	YES	YES
Class 3 Stock 4-8	NO	NO	NO	YES	NO	NO
Class 4 Stock 4-8	NO	NO	YES	YES	NO	NO