

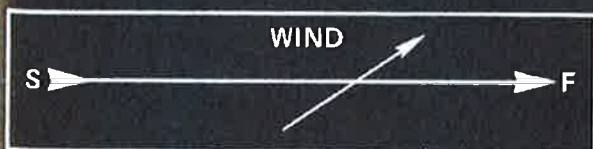
YAMAHA XS-2

SPECIFICATIONS

List price	\$1295 p.o.e. West Coast
Suspension, front	telescopic fork
Suspension, rear	swinging arm
Tire, front	3.25-19
Tire, rear	4.00-18
Brake, front, diameter x width, in. (2)	11.68 x 1.85
Brake, rear, diameter x width, in.	7.1 x 1.1
Total brake swept area, sq. in.	86.8
Brake loading, lb./sq. in.	5.24
Engine, type	sohc vertical Twin
Bore x stroke, in., mm	2.95 x 2.91, 75 x 74
Piston displacement, cu. in., cc	39.8, 653
Compression ratio	8.7:1
Claimed bhp @ rpm	53 @ 7000
Claimed torque @ rpm, lb.-ft.	40.1 @ 6000
Carburetion	(2) Mikuni CV 30mm
Ignition	coil and battery
Oil system	wet sump, vane-type pump
Oil capacity, pt.	5.0
Fuel capacity, U.S. gal.	3.3
Recommended fuel	premium
Starting system	electric; kick, folding crank
Lighting system	12-V alternator
Air filtration	dry paper
Clutch	multi-disc, wet
Primary drive	gear
Final drive	single-row chain
Gear ratios, overall:1	
5th	5.10
4th	5.85
3rd	6.94
2nd	8.48
1st	13.16
Wheelbase, in.	56.0
Seat height, in.	32.0
Seat width, in.	11.5
Handlebar width, in.	31.0
Footpeg height, in.	10.0
Ground clearance, in.	6.0
Curb weight (w/half-tank fuel), lb.	455
Weight bias, front/rear, percent	45/55
Test weight (fuel and rider), lb.	585
Mileage at completion of test	2178

TEST CONDITIONS

Air temperature, degrees F	84
Humidity, percent	62
Barometric pressure, in. hg.	31.70
Altitude above mean sea level, ft.	50
Wind velocity, mph	4-8
Strip alignment, relative wind:	



PERFORMANCE

Top speed (actual @ 7130 rpm), mph	107.14
Computed top speed in gears (@ 7500 rpm), mph:	
5th	113
4th	99
3rd	83
2nd	68
1st	44
Mph/1000 rpm, top gear	15.1
Engine revolutions/mile, top gear	3980
Piston speed (@ 7500 rpm), ft./min.	3635
Lb./hp (test wt.)	10.1
Fuel consumption, mpg	50
Speedometer error:	
50 mph indicated, actually	44.6
60 mph indicated, actually	53.2
70 mph indicated, actually	63.8
Braking distance:	
from 30 mph, ft.	34.7
from 60 mph, ft.	129.8
Acceleration, zero to:	
30 mph, sec.	2.9
40 mph, sec.	3.9
50 mph, sec.	4.8
60 mph, sec.	5.6
70 mph, sec.	7.4
80 mph, sec.	9.2
90 mph, sec.	13.6
100 mph, sec.	21.9
Standing one-eighth mile, sec.	9.04
terminal speed, mph	79.36
Standing one-quarter mile, sec.	14.07
terminal speed, mph	92.97

