



2005 Kawasaki Ninja

ZX-6R

Dimensions:

| | | | | | |
|-----------------|------|--------|-------|----|-----|
| Overall Length: | 81.3 | inches | 206.5 | cm | [1] |
| Overall Width: | 28.1 | inches | 714 | mm | [1] |
| Overall Height: | 43.7 | inches | 1110 | mm | [1] |
| Wheelbase: | 54.7 | inches | 1389 | mm | [1] |
| Seat Height: | 32.3 | inches | 820 | mm | [1] |

Specifications:

| | | | | | |
|----------------------|--------------------------|---------|-----|--------|-----|
| Dry Weight: | 362 | lbs | 164 | kg | [1] |
| Wet Weight: | 423 | lbs | 192 | kg | [1] |
| Weight Distribution: | 49 / 51 | % | | | [1] |
| Engine Displacement: | 38.8 | ci | 636 | cc | [1] |
| Rear Wheel Power: | 104 | HP | 78 | kW | [2] |
| Fuel Capacity: | 4.5 | gallons | 17 | liters | [1] |
| Front, Rear Tire: | 120/65-ZR17, 180/55-ZR17 | | | | [1] |
| Sprocket Sizing: | 15 / 43 | | | | [1] |
| Gearbox: | 6-speed | | | | [1] |
| Drive Type: | Chain | | | | [1] |
| Front / Rear Brake: | Dual disc / Single disc | | | | [1] |
| ABS: | No | | | | [1] |
| Traction Control: | No | | | | [1] |
| Event Data Recorder: | No | | | | |

Performance:

60 to 0 mph: 118.9 ft -1.0 g's [2]*

Weight/Power: 6.0 lb/hp 3.6 kW/kg [1-3]

| Speed (mph) | Time (s) |
|-------------|----------|
| 30 | 1.25 |
| 60 | 3.06 |
| 90 | 5.30 |
| 100 | 6.87 |
| 127 | 10.78 |

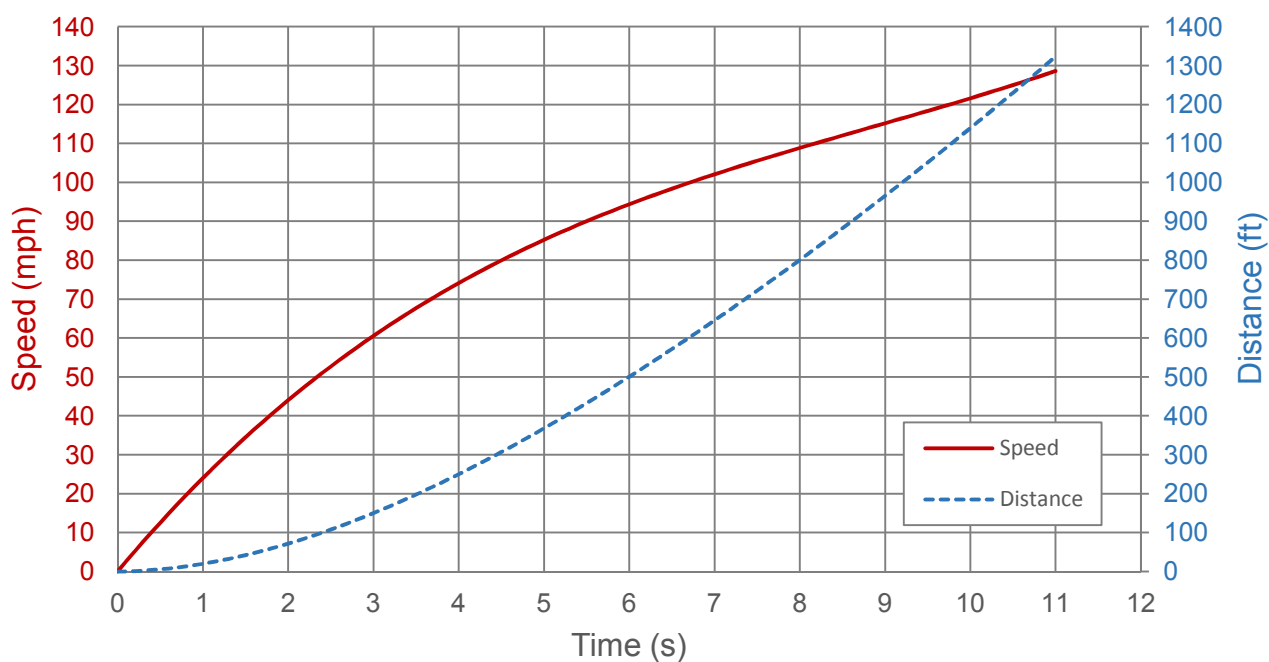
[3]

[2]

[3]

[2]

[2]



Louis R. Peck, MSME

ACTAR #1663

Lightpoint Scientific, LLC.



[1] Kawasaki Ninja ZX-6R Motorcycle Service Manual, Kawasaki Heavy Industries, Ltd., Second Edition, July 29, 2005.

[2] Motorcycle Consumer News, 44(1), "Performance Index, Winter '12/'13 Edition," pp. 30-36.

[3] Bartlett, W., "Estimating Maximum Motorcycle Acceleration Rates," Collision 6(1), 2011.

*This data is provided for limit analysis. Most riders cannot brake at this level. The analyst should consult relevant research to determine an appropriate rate for a specific case.