

# 2005 HORNET 900 PRESS INFORMATION

Enter a world of exciting streetfighter style...and the performance to back it up. The Hornet 900 packs a mean punch into its compact and stripped naked proportions. Power? Lots of it, rippling out of the same fuel-injected inline-4 engine originally developed for the legendary FireBlade, and specially tuned for stronger low-to-midrange grunt that lights up in an eye-opening flash from anywhere in its wide powerband. Handling? Swift and agile thanks to its spare and strong Mono-Backbone frame, lightweight aluminium swingarm and Monoshock rear suspension, not to mention those big, racing class dual 4-pot front brakes to pull you down to cornering speed in a hurry. Looks? Simple is best, and the Hornet's fearsome aggressiveness is highlighted by its prominently positioned engine and the pair of big gun silencers positioned under its slim and sleek seat cowl. It's the thrill of the ride that sets your soul on fire, then it's the Hornet 900 you need to spark that flame.

## **Colours**

- Darkness Blue Metallic
- Digital Silver Metallic
- Candy Glory Red

## **New Features**

- New colour variations.

**Specifications****Hornet 900 (ED-type)****Engine**

Type	Liquid-cooled 4-stroke 16-valve DOHC inline-4
Displacement	919cm <sup>3</sup>
Bore x Stroke	71 x 58mm
Compression Ratio	10.8 : 1
Max. Power Output	80kW/9,000min <sup>-1</sup> (95/1/EC)
Max. Torque	91Nm/6,500min <sup>-1</sup> (95/1/EC)
Idling Speed	1,200min <sup>-1</sup>
Oil Capacity	4.4 litres

**Fuel System**

Carburation	PGM-FI electronic fuel injection
Throttle Bore	36mm
Aircleaner	Dry, cartridge-type paper filter
Fuel Tank Capacity	19 litres (including 4-litre reserve)

**Electrical System**

Ignition System	Computer-controlled digital transistorised with electronic advance
Ignition Timing	8° BTDC (idle) ~ 38° BTDC (5,500min <sup>-1</sup> )
Sparkplug Type	CR8EH-9 (NGK); U24FER9 (ND)
Starter	Electric
Battery Capacity	12V/10AH
ACG Output	380W
Headlights	12V 55W x 1 (low) / 60W x 1 (high)

**Drivetrain**

Clutch	Wet, multiplate with coil springs
Clutch Operation	Mechanical; cable-actuated
Transmission Type	6-speed
Primary Reduction	1.520 (76/50)
Gear Ratios	1 2.769 (36/13) 2 2.000 (26/13) 3 1.600 (24/15) 4 1.368 (26/19) 5 1.227 (27/22) 6 1.130 (26/23)
Final Reduction	2.688 (43/16)

Final Drive O-ring sealed chain

### **Frame**

Type Diamond; steel tube

### **Chassis**

Dimensions (LxWxH) 2,125 x 750 x 1,085mm

Wheelbase 1,460mm

Caster Angle 25°

Trail 98mm

Turning Radius 2.8m

Seat Height 795mm

Ground Clearance 145mm

Dry Weight 194kg

Kerb Weight 218kg (F: 108kg; R: 110kg)

Max. Carrying Capacity 188kg

Loaded Weight 406kg (F: 167kg; R: 239kg)

### **Suspension**

Type Front 43mm cartridge-type telescopic fork with stepless preload and rebound damping adjustment, 120mm axle travel  
Rear Monoshock damper with 7-step spring preload and stepless rebound damping adjustment, 128mm axle travel

### **Wheels**

Type Front Hollow-section triple-spoke cast aluminium  
Rear Hollow-section triple-spoke cast aluminium

Rim Size Front 17M/C x MT3.50  
Rear 17M/C x MT5.50

Tyre Size Front 120/70 ZR17M/C (58W)  
Rear 180/55 ZR17M/C (73W)

Tyre Pressure Front 250kPa  
Rear 290kPa

**Brakes**

Type

Front 296 x 4.5mm dual hydraulic disc with 4-piston callipers,  
floating rotors and sintered metal pads

Rear 240 x 5mm hydraulic disc with single-piston calliper and  
sintered metal pads

All specifications are provisional and subject to change without notice.