

DN-01

2009 Press Information



Introduction

All-new in 2008, the radical DN-01 is forging new directions in motorcycling, matching outrageous cruiser styling with the most advanced fully automatic transmission ever developed for a two-wheeled vehicle, the Human-Friendly Transmission. Combining all the power and thrills of the compact, liquid-cooled fuel-injected 680 cm³ V-twin engine, the HFT delivers an ease of operation that befits the bike's overall air of laid-back freedom to explore. A wide, low, comfortable seat (with spacious pillion accommodation) back-swept bars and wide footboards accentuate the relaxed riding position and touring capabilities. Weight is precisely distributed for unprecedented stability, especially at high speeds, while the geometry is tailor-made for pleasurable, responsive handling. Add Monoshock Pro-Arm rear suspension and impeccable braking, and you have a cool, confident control that gives an unmatched sensation of oneness with your bike.

Every finely honed component benefits from Honda's ingenuity, expertise and design heritage. The overall result is a motorcycle that not only looks stunning and performs with outstanding proficiency, but can turn to any task a modern lifestyle will throw at it.

- High-quality, urban-organic styling with distinctive long-nose front cowl and short tail offers a relaxed and comfortable ride.
- Wide and low stepped seat offers relaxed riding position and easy reach to ground.
- Compact, liquid-cooled fuel-injected 680cc 8-valve V-twin with shaft drive.
- Infinitely variable automatic HFT (Human Friendly Transmission) offers powerful and easy ride, with automatic hydraulic clutch, push-button gear selection and switch-selectable mechanical neutral.
- Rigid steel pipe double-cradle frame features high rigidity and superior high-speed stability.
- Single-sided aluminium Pro-Arm swingarm with shaft drive and Monoshock rear suspension.

- Elegant 17" dual 5-spoke cast aluminum wheels mount wide, low-profile tyres.
- Smoothly responsive Combined-Antilock Brake System for confident braking control.
- New 2 colour variations: Pearl Sunbeam White, Sword Silver Metallic.

Colours

- Sword Silver Metallic
- Pearl Sunbeam White
- Graphite Black



Specifications

General	
Model	DN-01
Mold Type	ED-type
Engine	
Type	Liquid-cooled 4-stroke 8-valve SOHC 52° V-twin
Displacement	680cm ³
Bore x Stroke	81 x 66mm
Compression Ratio	10 : 1
Max. Power Output	45kW / 7,500min ⁻¹ (95/1/EC)
Max. Torque	64Nm / 6,000min ⁻¹ (95/1/EC)
Idling Speed	1,200min ⁻¹
Oil Capacity	4 litres
Fuel System	
Carburation	PGM-FI electronic fuel injection
Throttle Bore	40mm
Aircleaner	Viscous, cartridge-type mesh net filter
Fuel Tank Capacity	15.1 litres (including 3-litre LCD-indicated reserve)
Electrical System	
Ignition System	Fully transistorised electronic
Ignition Timing	12° BTDC (idle) ~ 60° BTDC (5,500min ⁻¹)
Sparkplug Type	SIMR8A9 (NGK)
Starter	Electric
Battery Capacity	12V / 12AH
ACG Output	450W
Headlights	12V, 55W x 2 (low) / 55W x 1 (high)
Drivetrain	
Clutch	HFT with internal hydraulic control
Clutch Operation	Automatic
Transmission	HFT (Continuously Variable Transmission)
Primary Reduction	1.136 (75/66)
Final Reduction	1.400
Final Drive	Enclosed shaft
Belt Converter Ratios	3.000 ~ 1.000
Frame	
Type	Double-cradle; steel tube

Chassis		
Dimensions	(LxWxH)	2,315 x 820 x 1,115mm
Wheelbase		1,605mm
Caster Angle		28° 30'
Trail		114mm
Turning Radius		3.2m
Seat Height		690mm
Ground Clearance		135mm
Kerb Weight		270kg (F: 131kg; R: 139kg)
Max. Carrying Capacity		186kg
Loaded Weight		434kg (F: 165kg; R: 269kg)
Suspension		
Type	Front	41mm telescopic fork, 106mm axle travel
	Rear	Single conventional dampers with 7-step adjustable spring preload, 120mm axle travel
Wheels		
Type	Front	U-section twin 5-spoke cast aluminium
	Rear	U-section twin 5-spoke cast aluminium
Rim Size	Front	17M/C x MT3.50
	Rear	17M/C x MT6.00
Tyre Size	Front	130/70 ZR17M/C (62W)
	Rear	190/50 ZR17M/C (73W)
Tyre Pressure	Front	2.25kPa
	Rear	2.50kPa
Brakes		
Type	Front	296 x 4mm dual hydraulic disc with Combined 3-piston calipers, ABS and sintered metal pads
	Rear	276 x 6mm hydraulic disc with Combined dual-piston caliper, ABS and sintered metal pads