

General Information

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Model Identification

VN800-A1 (US and Canada Models) Left Side View: (back view) (2-00000)



VN800-A1 (US and Canada Models) Right Side View: (back view) (2-00000)



1-6 GENERAL INFORMATION

Model Identification

VN800-A1 (Europe Model) Left Side View:



VN800-A1 (Europe Model) Right Side View:



General Specifications

Items		VN800-A1, A2, A3, A4, A5	
Dimensions:			
Overall length		2 370 mm, (CN) (US) 2 360 mm	
Overall width		825 mm	
Overall height		1 170 mm	
Wheelbase		1 625 mm	
Road clearance		160 mm	
Seat height		710 mm	
Dry mass		225 kg, (CA) 225.5 kg	
Curb mass:	Front	107 kg	
	Rear	137 kg, (CA) 137.5 kg	
Fuel tank capacity		15.0 L	
Performance:			
Minimum turning radius		2.9 m	
Engine:			
Type		4-stroke, SOHC, V 2-cylinder	
Cooling system		Liquid-cooled	
Bore and stroke		88.0 x 66.2 mm	
Displacement		805 mL	
Compression ratio		9.5	
Maximum horsepower		40.5 kW (55 PS) @7 000 r/min (rpm), (CN) 44.1 kW (60 PS) @7 500 r/min (rpm), (ST) 24.2 kW (33 PS) @3 000 r/min (rpm), (FR) 39.3 kW (53 PS) @7 000 r/min (rpm) (UTAC's norm), (US) ---	
Maximum torque		64 N-m (6.5 kg-m, 47.0 ft-lb) @3 300 r/min (rpm), (CN) 64.7 N-m (6.6 kg-m, 47.7 ft-lb) @3 500 r/min (rpm), (ST) 55 N-m (5.6 kg-m, 40.5 ft-lb) @3 000 r/min (rpm), (FR)(UK)(US) ---	
Carburetion system		Carburetor, Keihin CVK 36	
Starting system		Electric starter	
Ignition system		Battery and coil (transistorized)	
Timing advance		Electronically advanced (digital igniter)	
Ignition timing		From 5.0° BTDC @1 000 r/min (rpm) to 37.5° BTDC @6 750 r/min (rpm)	
Spark plug		NGK CR7E or ND U22ESR-N	
Cylinder numbering method		Front to rear, 1-2	
Firing order		1-2	
Valve timing:			
Inlet	Open	22° BTDC,	A2 ~ 19° BTC
	Close	78° ABDC,	71° ABDC
	Duration	280°,	270°
Exhaust	Open	72° BBDC,	A2 ~ 69° BBDC
	Close	28° ATDC,	31° ATDC
	Duration	280°,	280°

1-8 GENERAL INFORMATION

General Specifications

Items		VN800-A1, A2	VN800-A3,A4,A5
Lubrication system		Forced lubrication (wet sump)	—
Engine oil:			
Grade		SE, SF or SG class	—
Viscosity		SAE10W-40, 10W-50, 20W-40, or 20W-50	—
Capacity		3.2 L	—
Drive Train:			
Primary reduction system:			
Type		Gear	—
Reduction ratio		2.184 (83/38)	—
Clutch type		Wet multi disc	—
Transmission:			
Type		5-speed, constant mesh, return shift	—
Gear ratios:	1st	2.250 (36/16)	2.533 (38/15)
	2nd	1.600 (32/20)	1.650 (33/20)
	3rd	1.230 (32/26)	1.230 (32/26)
	4th	1.000 (29/29)	1.000 (29/29)
	5th	0.857 (24/28)	0.857 (24/28)
Final drive system:			
Type		Chain drive	—
Reduction ratio		2.875 (46/16)	2.470 (42/17)
Overall drive ratio		5.382 @ Top gear	4.625 @ Top gear
Frame:			
Type		Tubular, double cradle	—
Caster (rake angle)		34°	—
Trail		149 mm	—
Front tire:	Type	Tube	—
	Size	80/90-21 48H	—
Rear tire:	Type	Tube	—
	Size	140/90-16 71H	—
Front suspension:	Type	Telescopic fork	—
	Wheel travel	150 mm	—
Rear suspension:	Type	Swingarm (uni-trak)	—
	Wheel travel	100 mm	—
Brake Type:	Front	Single disc	—
	Rear	Drum	—
Electrical Equipment:			
Battery		12 V 12 Ah	—
Headlight:	Type	Semi-sealed beam	—
	Bulb	12 V 60/55 W (quartz-halogen)	—
Tail/brake light		12 V 5/21 W × 2, (CN) (US) 12 V 8/27 W × 2	—
Alternator:	Type	Three-phase AC	—
	Rated output	23.5 A/14 V @ 8 000 r/min (rpm)	—

Specifications subject to change without notice, and may not apply to every country.

(CA): California Model
(CN): Canada Model
(FR): France Model

(ST): Switzerland Model
(UK): U.K. Model
(US): U.S. Model