

## TECHNICAL SPECIFICATIONS – CHASSIS 990 DUKE

	<b>990 SUPER DUKE</b>
Frame	Tubular chrome-molybdenum-steel space frame, powder-coated
Fork	<b>White Power – Up Side Down 4860 ROMA</b>
Spring travel front	135 mm
Rear suspension	WP 4618 BAVP
Spring travel rear	160 mm
Front brake	Disk brake, 2 perforated brake disks Ø 320 mm, fixed brake caliper
Front rear	Disk brake, perforated brake disk Ø 240 mm, floating brake caliper
Tire, front	120/70 ZR17 M/C 58W
Air pressure	on road/alone 2,4 bar      passenger 2,4 bar
Tires, rear	180/55 ZR17 M/C 73W
Air pressure	on road/alone 2,4 bar      passenger 2,6 bar
Fuel tank capacity	15 Liter, 4 Liter reserve
Gear ratio – rear wheel	17:36
Chain	525 HV (5/8 x 5/16") X-Ring
Bulbs	High beam headlight H3 12V 55W (base PK22s) Low beam headlight H7 12V 55W (base PX26d) Front parking light 12V 5W (base W2,1x9,5d) Instrument lights+ indicator lamps LED Rear parking light 12V 5W (base W2,1x9,5d) Brake light 12V 21W (base BA15s) Turn signal 12V 10W (base BA15s) License plate illumination 12V 5W (base W2,1x9,5d)
Battery	maintenance-free battery 12V 11,2 Ah
Steering head angle	66,5 °
Wheel base	1438 +/- 10 mm
Seat height, unloaded	855 mm
Ground clearance, unloaded	165 mm
Dry weight	184 kg
Max. axle load, front	200 kg
Max. axle load, rear	220 kg
Max. total weight	380 kg

<b>STANDARD ADJUSTMENT – FORK</b>	
	<b>990 SUPER DUKE WP 4860 ROMA</b>
Spring	9 N/mm
Air chamber length	110 mm
Fork oil	SAE 5 (WP 4860.0211)

<b>STANDARD ADJUSTMENT – SHOCK ABSORBER</b>	
	<b>990 SUPER DUKE WP 4618 BAVP</b>
Spring	160/185

<b>STANDARD ADJUSTMENT – FORK AND SHOCK ABSORBER</b>								
	<b>990 SUPER DUKE</b>							
	FORK				SHOCK ABSORBER			
	Driver comfort	Standard adjustment	Driver Sport	Maximum load	Driver comfort	Standard adjustment	Driver Sport	Maximum load
Compression damping (clicks)	20	15	10	15	–	–	–	–
Compression damping, low speed (clicks)	–	–	–	–	25	20	10	15
Compression damping, high speed (turns)	–	–	–	–	2.5	2	2	1.5
Rebound (clicks)	20	15	10	15	22	17	10	5
Preload adjuster (turns)	5	5	5	6	6	6	6	6

## TIGHTENING TORQUES – CHASSIS

Collar bolt on front wheel spindle	M24x1.5	60 Nm
Collar nut wheel spindle rear	M25x1.5	90 Nm
AH bolt shock absorber top/bottom	M14x1.5	80 Nm
Collar nut for swing arm bolt	M19x1.5	130 Nm
AH bolts on subframe	M8/M10x1.25	Loctite 243 + 25/45 Nm
AH bolts on back of footrest support	M8	Loctite 243 + 25 Nm
Engine carrier bolts	M10	45 Nm
HH clamp bolts on top triple clamp	M8	20 Nm
HH clamp bolts on bottom triple clamp	M8	15 Nm
HH screw for steering head	M20x1,5	12 Nm
HH clamp bolts on fork legs	M8	15 Nm
Collar bolts for handlebar clamps	M8	20 Nm
AH bolt for handlebar mount	M10	20 Nm
HH clamp bolts for steering stem	M8	20 Nm
Collar bolt front/rear brake disk	M6/M8x1,25	Loctite 243 + 14/30 Nm
HH bolts on front brake caliper	M8/M10x1.25	Loctite 243 + 25/45 Nm
HH bolts on handbrake cylinder	M6	10 Nm
HH bolts on footbrake cylinder	M6	Loctite 243 + 10 Nm
AH bearing bolt for foot brake pedal, shift lever	M8	Loctite 243 + 25 Nm
HH screw on cover plate for foot brake lever/shift mechanism	M6	Loctite 243 + 10 Nm
Relay for shift shaft (on connecting support)	M8	Loctite 243 + 25 Nm
Relay for shift shaft (on shift shaft)	M6	Loctite 243 + 18 Nm
Gearshift rod attachment	M6	Loctite 243 + 12 Nm
AH bolt for top of brake-hose guide	M6	Loctite 243 + 8 Nm
HH bolts on foot brake pedal surface	M5	Loctite 243 + 6 Nm
AH bolts for side stand bracket - engine	M10	Loctite 243 + 45 Nm
HH bolts for side stand fixture - side stand bracket	M10	Loctite 243 + 25 Nm
HH bolts for side stand mounting	M10	Loctite 243 + 35 Nm
HH bolt for spring rest on side stand	M8	Loctite 243 + 25 Nm
HH bolt for side stand switch	M4/M6	Loctite 243 + 2/10 Nm
HH nuts on rear sprocket bolts	M10	Loctite 243 + 50 Nm
Drain plug on oil tank	M12x1.5	20 Nm
Exhaust nuts on manifold	M8	evenly, do not bend sheet metal
Exhaust clamps	M8	8 Nm
Exhaust clamps for ball joint	M8	35 Nm
HH bolts on exhaust suspension	M6	Loctite 243 + 12 Nm
HH bolts for underride protection	M8	Loctite 243 + 25 Nm
AH bolt on gas level indicator	M5	3 Nm
AH bolts on tank cover	M5	5 Nm
AH/HH bolts on tank mounting	M6/M8	6/25 Nm
HH bolts for fuel taps	M6	6 Nm
Collar screws for in-tank pump	M6	6 Nm
AH screw on arm for tank support	M10	25 Nm
Collar screw for gas pressure shock absorber	M6	6 Nm
Seat fixing plate	M5	4 Nm
Jerk damper bolt	M10x1,25	Loctite 243 + 50 Nm
HH nut for seat lock	M19x1	8 Nm
Chainguard	M5	5 Nm
Chain sliding guard	M5	5 Nm
ISK-Schraube Ausleger für Tankbefestigung	M10	25 Nm
Spoke nipple	M5	5 Nm
Front spoiler	M6	Loctite 243 + 10 Nm
Taillight	M6	8 Nm
Other bolts on chassis	M6	10 Nm
	M8	25 Nm
	M10	45 Nm
Other collar nuts on chassis	M6	15 Nm
	M8	30 Nm
	M10	50 Nm