

Date	23.07.2012			
Status	approved			
Technical Data	TR650 STRADA		TR650 TERRA	
	ECE	US	ECE	US
Engine				
Type	Water-cooled, single-cylinder 4-stroke engine, four valves, two overhead camshafts, dry sump lubrication		Water-cooled, single-cylinder 4-stroke engine, four valves, two overhead camshafts, dry sump lubrication	
Bore / stroke	100 mm x 83 mm		100 mm x 83 mm	
Capacity	652 cm³		652 cm³	
Rated output	43 kW (58hp) @ 7.250 rpm / with power output reduction 35 kW (48hp) @ 7.250 rpm	43 kW (58hp) @ 7.250 rpm	43 kW (58hp) @ 7.250 rpm / with power output reduction 35 kW (48hp) @ 7.250 rpm	43 kW (58hp) @ 7.250 rpm
Max. torque	60 Nm @ 5.750 rpm / with power output reduction 54 Nm @ 5.750 rpm	60 Nm @ 5.750 rpm	60 Nm @ 5.750 rpm / with power output reduction 54 Nm @ 5.750 rpm	60 Nm @ 5.750 rpm
Compression ratio	12,3 : 1		12,3:1	
Mixture control / engine management	Magneti Marelli electronical fuel injection system		Magneti Marelli electronical fuel injection system	
Emission control	Closed-loop 3-way catalytic converter, emission standard EU3		Closed-loop 3-way catalytic converter, emission standard EU3	
Performance / fuel consumption				
Maximum speed	175 km/h / with power output reduction 160 km/h	175 km/h	170 km/h / with power output reduction 160 km/h	170 km/h
Fuel consumption over 100 km at constant 90 km/h	3,2 l/100 km		3,2 l/100 km	
Fuel consumption over 100 km at constant 120 km/h	4,3 l/100 km		4,3 l/100 km	
Fuel type	Unleaded super, minimum octane rating 95 (ROZ)		Unleaded super, minimum octane rating 95 (ROZ)	
Electrical system				
Alternator	400W		400W	
Battery	12V / 10 Ah		12V / 10 Ah	
Power transmission				
Clutch	Multiple-disc clutch in oil bath, mechanically operated		Multiple-disc clutch in oil bath, mechanically operated	
Gearbox	Constant mesh 5-speed gearbox integrated into crankcase		Constant mesh 5-speed gearbox integrated into crankcase	
Drive	Endless O-ring chain with shock damping in rear wheel hub		Endless O-ring chain with shock damping in rear wheel hub	
Chassis / brakes				
Frame	Welded tubular steel frame with bolt on rear frame		Welded tubular steel frame with bolt on rear frame	
Front wheel location / suspension	Sachs Up Side Down fork, ø 46 mm		Sachs Up Side Down fork, ø 46 mm	
Rear wheel location / suspension	Welded steel swingarm with progressive link and Sachs mono shock absorber, spring preload mechanically adjustable, rebound damping adjustable		Welded steel swingarm with progressive link and Sachs mono shock absorber, spring preload mechanically adjustable, rebound damping adjustable	
Travel front / rear	190 mm / 190 mm		190 mm / 190 mm	
Wheelbase	1.501 mm		1.501 mm	
Castor	101 mm		115 mm (17" version)/ 112 mm (18" version)	112 mm
Rake	64°		63° (17" version)/ 63,5° (18" version)	63,5°
Wheels	Cast aluminium wheels		Wire spoke wheels	
Rim, front	2,50"x19"		1,85"x21"	
Rim, rear	3,50"x17"		3,00"x17" / 3,00"x18"	
Tyres, front	110/ 80 R 19 M/C 59 V		90/ 90 21 M/C 54 H TL (17" version) 90/ 90 21 M/C 54 S (18" version)	90/ 90 21 M/C 54 S
Tyres, rear	140/ 80 R 17 M/C 59 V		140/ 80 17 M/C 59 H (17" version) 140/ 80 18 M/C 70 S (18" version)	140/ 80 18 M/C 70 S
Brake, front	Brembo system: single disc, ø 300 mm, double piston floating caliper		Brembo system: single disc, ø 300 mm, double piston floating caliper	
Brake, rear	Brembo system: single disc, ø 240 mm, single piston floating caliper		Brembo system: single disc, ø 240 mm, single piston floating caliper	
ABS	Switchable Bosch system standard		Switchable Bosch system standard (17" version)	n.a.
Dimensions / weight				
Seat height, unladen weight	860 mm		865 mm (17" version) / 875 mm (18" version)	875 mm
Inner leg curve	1.915 mm		1.920 mm (17" version)/ 1.945 mm (18" version)	1.945 mm
Unladen weight, road ready, fully fueled 1)	186 kg	188 kg	184 kg (17" version) / 183 kg (18" version)	185 kg
Dry weight	168 kg	170 kg	166 kg (17" version) / 165kg (18" version)	167 kg
Permitted total weight	372 kg	384 kg	369 kg (17" version) / 369 kg (18" version)	381 kg
Payload (with standard equipment)	186 kg	196 kg	185 kg (17" version) / 186 kg (18" version)	196 kg
Usable tank volume	14 l	13,5 l	14 l	13,5 l
Reserve	2,5 l		2,5 l	
Length	2.248 mm		2.267 mm	
Height (not inc. mirrors)	1.205 mm		1.220 mm (17" version) / 1.223 mm (18" version)	1.223 mm
Width (inc. mirrors)	875 mm		875 mm	
1) According to guidelines 93/93EWG with all fluids, fuelled with at least 90% of usable tank volume				