

Lancia Rally 037

Technical sheet

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Engine

Type	4 cylinder-line , central, longitudinal mounted engine
Engine block	cast-iron
Cylinder head	aluminium alloy
Engine capacity	1995 cm ³
Bore & stroke	84mm x 90mm
Supercharged	Abarth volumetric
Supercharged pressure	0,6 - 0,9 bar
Compression ratio	7,5:1
Distribution	2 overhead camshafts, 4 valves for cylinder
Fuel feeding	1 twin choke Weber 40 DC NVH 12/250 carburettor
Max power	205 HP @7000 rpm
Max power torque	23 Kgm @5000 rpm
Lubrification	dry sump w/three gear pumps, thermostated oil cooler radiator
Cooling	centrifugal pump, front radiator with electric fan
Ignition	Electronic Marelli
Sparks	Champion N2G
Ignition sequence	1-2-3-4
Electric system	12 volt

Trasmission

Drive	rear wheel drive
Gearbox	5 speed + reverse gear ZF
Gear ratio	I a 2.417 II a 1.611 III a 1.136 IV a 0.846 V a 0.704 RM a 2867
Differential	in unit with gearbox , 25% limited slip type
Clutch	single dry disc 230 mm diameter, hydraulically operated

Suspensions

Front	independent parallelograms, variable flexibility coil springs, gas shock absorbers, anti roll bar, 4 points of attachment in order to change the height from the ground
Rear	independent parallelograms, variable flexibility coil springs, 2 shock absorbers upside down mounted for each axle , 4 points of attachment in order to change the height from the ground

Brakes	ventilated discs all round, Brembo brake clamps, double brake circuit and double brake booster
Tyres	
Front	Pirelli P7 205/55 VR 16, Speedline 16" rims
Posteriori	Pirelli P7 225/50 VR 16, Speedline 16" rims
Chassis	
Body	central monocoque with tube reinforced , auxiliary tubolar frame front and rear
Carrozzeria	Fiberglass and kevlar
Fuel tank capacity	2 to 35 lt
Car size	
Weight	1170kg
Wheelbase	2240mm
Track width	front 1430mm, rear 1460mm
Measures	length 3915mm; width 1850mm; height 1245mm
Chassis numbers	from ZLA151AR0*00000001 to ZLA151AR0*00000222 indicatively. It should be considered that many road models have been tuned into racing cars

Lancia Rally 037 EVO I

Engine	
Type	4 cylinder-line, central, longitudinal mounted engine
Engine block	iron
Cylinder head	aluminium alloy
Engine capacity	1995 cm3
Engine sport capacity	2793 cm3
Bore & stroke	84mm x 90mm
Supercharged	Abarth volumetric supercharged with wather injection system
Supercharged pressure	0,85 bar
Compression ratio	8:1
Distribution	2 overhead camshafts
Valves	4 valves for each cylinder, 34,5 mm diam. inlet and 28mm diam.exhaust, 24° angle inlet and 22° angle exhaust
Fuel feeding	Bosch Kugelfisher mechanical injection system
Max Power	305 HP @8000 rpm (0,85 bar)
Max Power torque	32 Kgm @4500 rpm
Lubrification	forced dry sump
Cooling	centrifugal pump, front radiator with electric fan
Ignition	Electronic Marelli inductive discharge
Sparks	Champion N84G
Ignition sequence	1-2-3-4

Electric system 12 volt

Transmission

Drive rear wheel drive

Gearbox 5 speed + reverse gear ZF

Differential 40% self-locking with gearbox

Clutch Valeo single dry disc with metal-ceramics packing

Suspension

Front suspension independent parallelograms, variable flexibility coil springs, gas shock absorbers, anti roll bar, 4 points of attachment in order to change the height from the ground

Rear suspension independent parallelograms, variable flexibility coil springs, 2 shock absorbers upside down mounted for each axle , 4 points of attachment in order to change the height from the ground

Brakes 300 mm diam. ventilated-decomposable discs all round, light alloy brake-clamps Brembo, independent circuit hand brake

Tyres

Front tyres Pirelli P7 CORSA 230/45 16. Speedline 8j x 16" light alloy

Rear tyres Pirelli P7 CORSA 265/40-13, Speedline 10j x 16" light alloy

Chassis central monocoque tubular steel structure , auxiliary titanium reinforce

Body carbon fiber panels

Fuel tank capacity 2 to 35 lt

Car size

Weight from 980 to 960 Kg according to the models

Wheelbase 2240mm

Measures length 3890mm; width 1850mm; height 1240mm

Chassis numbers ZLA151AR0*00000301 - ZLA151AR0*00000320

Lancia Rally 037 EVO II

Same features as EVO I excepted:

Engine capacity 2111 cc

Bore & stroke 85mm x 93mm

Supercharged pressure 1,00 bar

Compression ratio 8:1

Max power 325 HP @ 8000 rpm

Max power torque 32 Kgm @ 5000 rpm

Weight 960 Kg

Chassis numbers ZLA151AR0*00000401 - ZLA151AR0*00000420

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