

FORD PUMA RALLY1

TECHNICAL SPECIFICATION 2025/2026

POWERTRAIN:

INTERNAL COMBUSTION ENGINE (ICE):

Ford EcoBoost 1600cc direct injection engine developed by M-Sport and Ford. Four cylinders, 16 valves. Bore 83.0mm. Stroke 73.9mm. Cosworth electronic engine management system, with custom software. Garrett turbocharger with 35mm inlet restrictor and Air-Air intercooler. Catalytic converter.

POWER:

ICE: 375 bhp

TORQUE:

ICE only: 400Nm

TRANSMISSION:

Four-wheel drive with mechanical limited-slip front and rear differentials. Five-speed sequential transmission, manually operated gearchange, developed together with Sadev. Spool centre differential. 50-50 Torque Split. Double-plate sintered clutch.

SUSPENSION:

Front and rear: MacPherson struts with Reiger 3-way adjustable dampers. Fully adjustable fabricated steel links with machined aluminium uprights. Front and rear adjustable anti-roll bars.

BRAKES:

Gravel (front and rear): 300mm Brembo ventilated discs with Brembo four-piston air-cooled monoblock calipers.

Asphalt (front and rear): 370mm/355mm Brembo ventilated discs with Brembo four-piston air-cooled monoblock calipers.

Hydraulic handbrake with rear-drive disconnect. Adjustable front/rear bias.

STEERING:

Power-assisted high-ratio (12:1) rack and pinion. 1.5 turns lock-to-lock.

WHEELS:

Gravel/Snow: 7in x 15in magnesium wheels with Hankook 615mm tyres.

Asphalt: 8in x 18in magnesium wheels with Hankook 730mm tyres.

BODYSHELL:

Full Spaceframe Chassis, designed and manufactured in-house. Integrated cockpit safety structure, featuring two roll-over hoops in T45 steel. Composite body panels (where regulations permit). Fully CFD Developed Aerodynamic package.

ELECTRONICS:

Full Cosworth chassis and engine data acquisition for on-event diagnostics and performance development. Fanatec Steering Wheel control panel.

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FUEL SYSTEM:

- FIA Specification to bespoke design, manufactured by ATL. Located centrally with 63 litre capacity.

INTERIOR:

- Twin dash displays for driver and co-driver. Sparco seats and belts. Composite door cards with FIA impact safety foam.
- WEIGHTS AND DIMENSIONS:
- Minimum Wheelbase: 2600mm. Maximum Width: 1875mm.
- Minimum Complete Car Weight (without crew): 1180 kg