



C-X75

FROM CONCEPT TO REALITY

A rear three-quarter view of a silver Jaguar C-X75 concept car parked in a large, industrial-style garage. The car's rear light bar is illuminated with a red glow. The garage has a high ceiling with exposed metal beams and several large, multi-paned windows in the background. The car's design is sleek and aerodynamic, featuring a prominent rear spoiler and a distinctive rear air intake.

JAGUAR C-X75 SIX FAST FACTS

01 C-X75 is a hybrid supercar with the efficiency of a low-emissions city car

02 The C-X75 has a top speed of 220mph yet can emit less than 99g/km of CO₂ and has an electric vehicle range of 50km

03 Working with Williams Advanced Engineering, Jaguar has produced the highest specific power production engine ever - a 502bhp 1.6-litre turbocharged four-cylinder



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The C-X75's electric motors add a further 360bhp - meaning a combined output of 862bhp. They are the highest torque and power density electric motors ever built

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The PHEV battery pack in C-X75 is the highest specific power and energy dense battery design in the world.

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The C-X75's active aerodynamics create in excess of 200kg of downforce at 200mph.



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THE C-X75 PROGRAMME REPRESENTS THE PINNACLE OF JAGUAR'S ENGINEERING AND DESIGN EXPERTISE. IT IS ARGUABLY THE WORLD'S FASTEST TEST-BED FOR THE WORLD'S MOST ADVANCED TECHNOLOGIES, COMBINING AS IT DOES A REMARKABLE HYBRID POWERTRAIN WITH AWE-INSPIRING PERFORMANCE. JAGUAR IS ALWAYS LOOKING TO SHAPE THE CARS OF TOMORROW AND WITH PROJECTS LIKE C-X75 WE ARE LAYING THE FOUNDATIONS FOR THE NEXT GENERATION OF JAGUAR INNOVATIONS.”

ADRIAN HALLMARK
GLOBAL BRAND DIRECTOR, JAGUAR





When Jaguar unveiled the C-X75 hybrid supercar in 2010 it was the beginning of a new chapter in innovation and technological advance that would see the car evolve from a design concept to a fully working prototype in just two years. In that incredibly short timespan, Jaguar and development partner Williams Advanced Engineering have created an all-wheel drive, plug-in parallel hybrid with the world's highest specific power production engine ever.

Its state-of-the-art, Formula 1-inspired 1.6-litre turbocharged four-cylinder powerplant generates an astonishing 502bhp at 10,000rpm and allied to the highest torque and power density electric motors in production, means the C-X75 has a combined power output of 862bhp and 1087Nm of torque.



The very first C-X75 prototype exceeded 200mph in testing with ease and the car has a theoretical maximum velocity of 220mph thanks to its active aerodynamics and advanced 7-speed automated manual transmission that allows gearshifts in under 200 milliseconds and a sub-X second sprint time from 0-100mph.

Yet thanks to the most extreme specification of any mobile battery in development, the C-X75 will also run for 50km in pure electric vehicle mode and its CO2 emissions fall below 99g/km.

The C-X75 project allows Jaguar to stake an even stronger claim as the UK's most significant investor in innovative technology. The results of the C-X75 programme, in particular in advanced powertrain technologies and lightweight composites, demonstrate Jaguar's technical leadership at the very cutting-edge of automotive development and manufacturing.

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WHAT DOES C-X75 DELIVER? THAT'S SIMPLE: SUPERCAR PERFORMANCE MIXED WITH CITYCAR EFFICIENCY. IT HAS THE PERFORMANCE OF A BUGATTI VEYRON, THE ELECTRIC RANGE OF A GM VOLT AND CO2 EMISSIONS APPROACHING THAT OF A TOYOTA PRIUS. THERE REALLY IS NO OTHER CAR IN THE WORLD LIKE IT.”

ROB ATKIN
C-X75 VEHICLE & PROGRAMME MANAGER, JAGUAR



The Jaguar C-X75 produces well in excess of **800hp** with emissions less than **89g** per kilometer





The 1.6 engine gives out 500hp, that's 313hp per litre which is **60%** more than the best engines in road cars today



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“THE PARTNERSHIP BETWEEN JAGUAR AND WILLIAMS ADVANCED ENGINEERING HAS LED TO ONE OF THE MOST INNOVATIVE AND TECHNOLOGICALLY REMARKABLE CARS EVER CREATED. WHEN THIS PROJECT WAS GIVEN THE GREEN LIGHT THERE WERE NO 'OFF-THE-SHELF' SOLUTIONS, NO PROCESSES OR SYSTEMS AVAILABLE ANYWHERE IN THE WORLD - WE REALLY DID HAVE TO START FROM SCRATCH. TOGETHER WE HAVE ENGINEERED A HYBRID SUPERCAR WITHOUT EQUAL.”

PAUL NEWSOME

C-X75 PROGRAMME LEAD, WILLIAMS ADVANCED ENGINEERING









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WHEN WE DECIDED TO CREATE THE C-X75 SUPERCAR WE ALWAYS KNEW ITS ENGINEERING WOULD BE AS GROUND-BREAKING AS ITS DESIGN. WE WORKED WITH OUR PRODUCT DEVELOPMENT COLLEAGUES THROUGHOUT ITS EVOLUTION TO ENSURE THAT ITS BEAUTIFUL LINES WERE ALSO IDEALLY SUITED TO PACKAGING ITS STATE-OF-THE-ART, PARALLEL HYBRID TECHNOLOGY.”

IAN CALLUM
DESIGN DIRECTOR, JAGUAR







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