

## **Nissan strengthens grip on crossover sector with all-new X-Trail**

- Completely redesigned X-Trail builds on Nissan 4x4 heritage
- Fully integrated into Nissan's industry-leading crossover range
- Bold design, intelligent packaging with enhanced off road capabilities
- Advanced sector-first technologies throughout
- Seven seat option with ultra-flexible interior layout
- Sector-best levels of rear legroom
- Unique second row sliding and reclining function
- Fully connected via new NissanConnect system with suite of applications
- Nissan Safety Shield with an extended network of safety features
- Features include power opening panoramic roof and Bi-LED headlamps
- Two and four-wheel drive options
- New Nissan XTronic transmission on 2WD
- New dCi 130 engine delivers improved emissions and fuel consumption
- CO2 emissions from 129g

**Lisbon, Portugal (6th May, 2014)** Nissan is confirming its position as the world leader in crossovers with the launch of the all-new X-Trail. Completely redesigned from the ground up, the X-Trail joins the redesigned Qashqai and Juke in Nissan's all-encompassing crossover family - bringing new technology, style and class-leading levels of practicality. First seen at the Frankfurt Motor Show in 2013 and on-sale across Europe in July, the new X-Trail marks the start of yet another exciting chapter in the Nissan crossover success story.

### **OVERVIEW**

The X-Trail combines Nissan's acclaimed 4x4 heritage with fresh ideas and technologies inspired by the brand's ground-breaking crossover models. Together they form a car that redefines the compact SUV segment.

Built on the new, jointly-developed Renault-Nissan Alliance Common Module Family (CMF) platform, the all-new X-Trail is just as tough and accomplished as the previous generation model, but adds crossover style and efficiency, exciting design, innovative technology and exceptional comfort and practicality.

Nissan's desire to make the X-Trail the most comprehensive offering in the C-SUV sector provided the driving force behind the car's bold new design. Fitting perfectly into the brand's vision of modern crossover SUV styling, the new X-Trail features a striking new look that defines Nissan's latest design language.

Thanks to a smooth yet muscular body, the X-Trail combines strength and the spirit of adventure with organic, flowing lines. The elegant yet sporty profile also integrates a host of new design features and details, including bold new headlamps - available with LED as standard on high-grade models - and a distinctive new LED signature strip that makes the car instantly recognisable at night. Other details include a powered tailgate and a power opening panoramic roof.

Inside, the X-Trail offers a completely new environment for occupants. Designed from the very outset to include an optional seven seat format, the cabin features a raked theatre seating layout that ensures every passenger has a great view out. Featuring premium materials and intelligent design throughout, the X-Trail sets new standards for rear seat access, space for optional third-row passengers and in-car technology. The X-Trail also showcases the latest-generation NissanConnect system that offers smartphone integration and a host of innovations including several in-built Apps to enhance the connected driving experience.

Powering the all-new X-Trail is a powerful yet frugal dCi 130 engine that delivers the optimum balance of fuel economy with excellent refinement, at all speeds. Available in two and four-wheel-drive forms, the latter features Nissan's latest-generation ALL MODE 4x4-i transmission. Coupled with Nissan's new Chassis Control system and Nissan Safety Shield, the new X-Trail's drivetrain provides the driver with a comprehensive network of safety and comfort features that ensures every journey is an enjoyable one.

The X-Trail will play a highly significant role in Nissan's growing crossover family. It will be built at nine different manufacturing sites around the world for a vast array of markets. Globally, its predecessor was one of the company's biggest selling vehicles and the new version is expected to make a significant contribution to Nissan Power 88, the company's mid-term business plan covering fiscal years 2011-2016.

## **All-new X-Trail in detail**

### **DESIGN**

Combining the sleek and stylish lines of a modern crossover with the robust appeal of a typical SUV, the all-new X-Trail sets new standards for design in the SUV sector. A marked departure from its squared-off predecessor, the X-Trail showcases next generation SUV design, introducing a smoother, more flowing look without compromising the vehicle's off-road abilities.

Using an advanced new platform, Nissan's design team was able to take full advantage of the architecture's longer wheelbase and broader track. In keeping with Nissan's crossover design language, the all-new X-Trail places strong visual emphasis on the wheel areas, with the trademark large arches forming the cornerstones of the design. Combined with a dipping roofline, deeply sculpted flanks and rising window line, the new X-Trail fully exploits Nissan's crossover design DNA to create a car that delivers a stylish and modern appearance.

In terms of size, the all new X-Trail is 17mm longer (4,643mm) than the previous generation model, and has a 76mm longer wheelbase that helps deliver more space inside. The new model is also 30mm wider and 5mm lower than the previous car and the ground clearance is maintained at 210mm.

The new model is also 90kg lighter than the model it replaces. Ultra high strength steel now accounts for 49 per cent of the X-Trail's body construction, making the structure lighter and stronger than before.

The advanced use of composites has also helped drive down the X-Trail's kerb weight. The tailgate, for example, is constructed from plastic rather than steel, while the front and rear bumper assemblies have been optimised for material thickness. This incredible attention to detail means that the all-new X-Trail is as strong and as light as possible.

As customers have come to expect from Nissan, the all-new X-Trail features a host of intelligent and useful design details.

The front end, for example, combines complex shapes with crisp lines and intelligent use of light and shade. The all-new LED headlamps cut into the bumpers, cleverly combining the upper and lower halves of the body. The lamp clusters themselves are intricately detailed, with a striking new lighting signature that gives the all-new X-Trail a distinctive look in low light conditions.

At the rear the X-Trail blends bold new styling cues with existing Nissan touches. The rear light clusters, for example, display the familiar 'boomerang' shape, while the characteristic D-pillar provides a strong visual link to both the Juke and Qashqai.

As with the exterior, the all-new X-Trail's interior has undergone a dramatic transformation. With more space, improved ergonomics and a host of new premium features, it sets new standards for comfort and equipment in the C-SUV sector.

The main dashboard area combines advanced technology with an intelligent layout that allows the driver to concentrate on the road ahead. The split-level dashboard has been designed to be as clear and easy to navigate as possible, with the gently raised centre console housing both the infotainment system and the ventilation controls.

The redesigned combimeter features the Advanced Drive-Assist Display, a large five-inch colour display screen located between the two main dials. This high-resolution touchscreen displays information from, among other sources, the all-new X-Trail's safety systems, and has been designed in such a way that drivers can receive warnings without having to take their attention away from the road.

The centre console houses the latest NissanConnect system with a seven-inch high-resolution screen and a host of smartphone connectivity features.

Quality and attention to detail have come to typify Nissan crossover design, and the new X-Trail is no exception. The cabin area features a host of high quality materials, including chrome, piano black and leather with contrast stitching. To further enhance comfort for occupants, Nissan examined every surface where the driver or passenger comes into contact with the car. As a result, the door armrest pads and centre console pad is eight times thicker than sector rivals offer. Other touches include a large between-the-seats storage box big enough to take an iPad or 10-inch tablet.

Equally impressive is the large powered glass panoramic roof - the biggest available in the class. Not only does it bathe the X-Trail's cabin with natural light, the front half can also be opened to provide extra ventilation.

### **Exceptional Practicality**

Practicality is another area where the all new X-Trail excels. Designed from the start with space for the optional third row of seats, the new X-Trail's cabin takes full advantage of the new platform's longer wheelbase to deliver class-leading levels of space for occupants. Nissan knows that quality is as important as quantity when it comes to accommodation, which is why every seat in the new X-Trail has been carefully designed to be as comfortable and as practical as possible. All three rows are arranged in a theatre-style layout, with the mounting points for the second and third rows being higher than the ones in front.

Where some rivals fit a simple, fixed bench in the second row, the X-Trail offers a sliding and reclining function that allows owners to adapt the luggage space and comfort to their needs. The optional third row seats have a double fold function that allows them to be folded completely flat, while headroom and heel gap also provide ample seating space.

Second row passengers enjoy best-in-sector legroom thanks to the extended wheelbase and a new design of front seats that features deeply sculpted backs.

Up front, both the driver and passenger benefit from new seats designed to offer maximum comfort. In addition to the standard seat, Nissan has also developed a new Comfort seat, zero gravity inspired, which delivers improved spinal support with optimised blood-flow to reduce fatigue on longer journeys.

### **Innovative Storage**

The versatility pioneered in the previous model goes a step further in all-new X-Trail thanks to a smart and innovative double load floor providing flexible storage options (up to nine configurations). The cargo area can be positioned into upper and lower areas in a simple single-handed move. In its top most position, the board can hold up to 10 kilograms of luggage, or 75 kilograms in its middle position. This split cargo solution enables the user to store, for example, a stroller and large items below while creating a fully usable upper load surface for smaller, lighter items.

Access to the luggage area has also been made as easy as possible with remote operation of the power tailgate.

### **TECHNOLOGY**

The all-new X-Trail is one of the most advanced cars in its sector. Fully connected, the X-Trail benefits from the latest generation NissanConnect in-car navigation, information and entertainment system. Drivers will also benefit from a comprehensive suite of assistance features that make up the X-Trail's Nissan Safety Shield system.

As has become expected practice from Nissan, all the features have practical benefits to make life easier for the driver and occupants.

New NissanConnect is one of the foremost examples of Nissan's engineering innovation. In its latest form, NissanConnect has evolved to offer smartphone connectivity, to keep owners connected to the outside world wherever their journey takes them. With access to a range of apps covering music, social networking, entertainment and travel through a large, 7-inch colour touch screen, the new NissanConnect is the perfect fit for all-new X-Trail.

The latest generation satellite navigation integrates Google® features to reveal a host of useful information from weather forecasts to the location of fuel stations, hotels, restaurants and many other points of interest. The ever-popular Send-to-Car function also allows drivers to plan a trip at home and send it to their in-car NissanConnect system at the click of a button. The system includes Bluetooth audio streaming and mobile phone integration as well as Aux-in and USB slots.

The driver also benefits from one of the most advanced meter displays yet seen, with 5 inch TFT colour display incorporating 12 graphic displays accessible on rotation offering advice and warnings covering average and actual speeds, navigation turn-by-turn instructions, audio content, traffic sign recognition, eco driving advice and torque distribution settings in 4WD mode and more.

### **Around View Monitor with Intelligent Park Assist**

Designed to take the guesswork and stress out of finding and parking in a suitable parallel or car park bay, Nissan's acclaimed Around View Monitor makes even the trickiest of manoeuvres seem easy.

After automatically measuring the size of an available parallel parking space, Nissan's Intelligent Park Assist actively steers into the space with the driver controlling forward and reverse motion. The system can also park in car park bays, with the driver benefitting from the bird's eye view provided by Around View Monitor to guide them through the process.

### **LED headlamps**

All new X-Trail features LED daytime running lights as standard with higher grade models fitted with Bi-LED headlamps. With full LED power for both dip and main beam, the all new X-Trail's LED lights produce a whiter, clearer light than Xenon bulbs and use 50 per cent less power.

### **Nissan Safety Shield**

Nissan Safety Shield is a collection of features designed to enhance the safety of occupants in line with Nissan's ongoing vision towards zero accidents, a sentiment underlined by the company's commitment to produce commercially viable autonomous vehicles by 2020.

The new X-Trail's Safety Shield package is one of the most advanced and comprehensive in the sector, with host of fully automatic systems that combine to offer exceptional levels of protection.

The technologies fitted to the new X-Trail include:

### **Forward Emergency Braking**

Using a fully integrated radar system that scans the road ahead, the all-new X-Trail delivers three levels of assistance to drivers. First is an audible warning that alerts the driver if the gap to the car in front is

closing. If the driver fails to react to the audible warnings, the brakes are automatically partially applied. Finally, if the gap is still closing, the brakes will be applied harder if necessary.

### **Driver Attention Alert**

With one in road five accidents caused by driver fatigue, the all-new X-Trail's Driver Attention Alert system is an important new addition to the car's safety package. After learning your driving style, the system constantly monitors driving inputs, showing a dashboard alert on the central combimeter if steering becomes erratic, indicating the driver should take a break.

### **Traffic Sign Recognition**

This clever system acts as an extra pair of eyes that can detect speed limit signs and display their information to the driver. Speed limit signs are automatically read by the front-facing camera, which has been programmed to work across Europe, regardless of national sign typography. It even recognises that some countries enforce a weather dependent lower speed limit if it's raining, so both dry and wet weather limits are displayed to the driver.

### **Lane Departure Warning**

Designed to alert the driver if the new X-Trail starts to drift out of lane, Lane Departure Warning uses advanced computer programming to detect road markings. This allows the system to determine if the car is moving out of position. If it does, and the driver has not operated the indicators, a warning is given.

### **Blind Spot Warning**

The new X-Trail's Blind Spot Warning system uses the Around View Monitor to detect vehicles in the hidden blind spot areas. If a vehicle is detected in either blind spot, a discreet warning light illuminates in the door mirror. If the driver indicates to change lanes and the system detects a vehicle in the danger area, the light flashes and an audible warning is given.

### **Moving Object Detection**

Taking parking safety to a new level, the all-new X-Trail's Moving Object Detection system combines the vehicle's front and rear parking sensors with Nissan's acclaimed Around View Monitor 'bird's eye view' parking aid to deliver an extra level of protection.

If, when stationary, something moves into the area covered by the four cameras, the system will give an audible warning and highlight the area in which the moving object is detected. Mounted on the tailgate and having a fish-eye lens, the rear wide view AVM camera has a sweep of vision in excess of 180 degrees, giving it an unparalleled field of vision at the back of the car. Images from the camera are displayed on the large seven-inch NissanConnect screen.

### **High Beam Assist**

Designed to ensure that the all-new X-Trail's lighting system provides maximum illumination at any given time, this system combines a high-resolution camera with advanced software to detect when to switch from low beam to high beam headlights when it recognizes oncoming or distant traffic.

## **CHASSIS**

### **ALL MODE 4x4-i**

In keeping with the class leading standards set by the previous generation model, 4x4 versions of the all-new X-Trail adopt Nissan's advanced electronic four-wheel drive system, ALL MODE 4x4-i. Controlled

via a rotary switch on the centre console, it offers a choice between two-wheel drive, Auto mode or Lock offering permanent four-wheel drive.

In the 'default' Auto mode, the system constantly monitors throttle opening, engine speed and torque to anticipate wheel spin and to distribute torque between front and rear axles as needed, at speeds of up to 80 km/h.

Above that speed, the system reacts to wheelspin, again shifting drive rearwards to restore traction as required. For tricky conditions and at low speeds, Lock mode gives new X-Trail permanent four-wheel drive.

### **Nissan Chassis Control Technologies**

Ready to exceed the expectations of compact SUV drivers, four electronic systems have been designed to make life with the all-new X-Trail more comfortable and even safer.

**Active Ride Control** monitors the road surface to detect undulations which could potentially upset the pitch of the car body and alters the damping to compensate. **Active Engine Brake**, meanwhile, harnesses the power and controllability of the XTronic transmission to add a degree of engine braking while cornering or when decelerating to a standstill. The benefits are greater braking control and enhanced feel with less pedal effort.

The third system is **Active Trace Control**. By using on board sensors to monitor speed, steering angle, throttle opening and braking effort, Active Trace Control brakes wheels individually, as required, to reduce understeer and help the driver steer a safer path through bends: it is particularly effective on slippery, wet roads.

In addition, the all-new X-Trail benefits from **Hill Start Assist**. This uses the X-Trail's ESP system to detect when the vehicle is starting on an incline. The system applies the brakes to all four wheels, releasing when the throttle is pressed or after 2 seconds - whichever is sooner. The driver is alerted of the system's operation via the dashboard combimeter that displays a Hill Start Assist indicator.

### **DRIVETRAIN**

The all-new X-Trail's drivetrain is another area where Nissan has been able to use technology and innovation to enhance the driving and ownership experience. With a brief to retain the previous model's famed off-road ability while improving fuel consumption and lowering emissions, Nissan's engineers developed one of the most accomplished drivetrains in the sector.

The all-new X-Trail launches with an advanced dCi 130 turbodiesel powertrain with a choice of two and four-wheel drive and the availability of an XTronic automatic gearbox for the former. A 1.6-litre DIG-T turbocharged petrol engine with 163PS will be added to the range later in 2015.

### **Powerful, flexible engine**

At the heart of the new X-Trail is a muscular four-cylinder dCi 130 powertrain that generates 320Nm of torque. In line with Nissan's approach to downsizing, the 1.6-litre unit produces same torque than the previous 2.0-litre dCi unit and is considerably more efficient and cleaner. By reducing power sapping friction in its drivetrains, all-new X-Trail provides excellent performance from the latest generation of downsized engines, providing the pace of a bigger powertrain with the economy and emissions of a smaller unit.

In terms of performance, the X-Trail can accelerate from standstill to 62mph in just 10.5 seconds (2WD MT), and has a top speed of 117 mph. Equally impressive is the X-Trail's in-gear flexibility - a much more important consideration for most drivers. With 320Nm of torque available from just 1750 rpm, the X-Trail delivers strong acceleration across the rev range.

Jointly developed with Alliance partner Renault, the 130PS (96kW) unit is one of the most advanced diesel engines in its sector, with a host of technical innovations designed to maximise fuel consumption and reduce CO2 emissions.

Among these are a cold-loop, low-pressure exhaust gas recirculation system that recycles exhaust gas at a lower temperature to reduce emissions of nitrogen oxides and CO2. The engine unit also features optimised thermal management that allows the engine to reach operating temperature much quicker. This, in turn, reduces friction losses when starting from cold and improves fuel efficiency.

### **Driving down CO2 emissions**

The new dCi 130 unit is much cleaner than the engine it replaces. Offered with the option of two- or four-wheel-drive, two-wheel drive models enjoy CO2 emissions of only 129g/km in manual form, while versions equipped with Nissan's advanced XTronic automatic gearbox emit 135g/km. All-wheel drive models equipped with Nissan's ALL MODE 4x4-i transmission emit 139g/km - a significant 18 per cent less than the outgoing model.

To achieve these impressive new figures, Nissan's engineers did more than just improve the efficiency and performance of the engine and transmission. By reducing mass by 90KG and optimising the car's aerodynamics, Nissan has been able to make the all-new X-Trail more efficient. Despite having a larger surface area than the previous model, numerous new features have been introduced to counteract the increase in size. For example, the tailgate is constructed largely of plastic - a move that has saved 7kg over the existing design. New aero-friendly door mirrors and an underfloor spoiler that covers the exhaust and rear panel also play their part in making the all-new X-Trail the most efficient ever.

### **Advanced transmission options**

From launch, the new X-Trail is offered with a choice of two gearboxes; a six-speed manual and a new XTronic automatic (two-wheel-drive versions only).

The XTronic transmission has been engineered to deliver a smooth and natural driving experience. Unlike conventional variable transmissions, the new X-Trail's XTronic gearbox mimics the behaviour of traditional, multi-ratio automatic gearboxes during hard acceleration, with stepped changes. In more gentle driving, the ratios are subtly adjusted to give ultimate smoothness. This means the XTronic transmission offers the best of both worlds for drivers, with smooth low-load power delivery and direct performance during higher acceleration driving.

### **VALUE AND EQUIPMENT**

As buyers have come to expect from Nissan, the all-new X-Trail launches with a class-leading level of standard equipment. Available in four familiar grades: Visia, Acenta, n-tec and Tekna.

All grades feature air-conditioning, alloy wheels and six airbags, LED daytime running lights, five-inch colour combimeter display, Bluetooth with microphone, cruise control and speed limiter. Hill start assist, sliding and reclining rear seats and a luggage board system are also among the features fitted as standard.

Range-topping Tekna models feature an array of technologies that further confirm Nissan's lead in the crossover market. These include Bi-LED headlamps, leather seats, electrically-adjustable driver's seat, front and rear parking sensors and 19-inch alloy wheels. In addition, Tekna models also feature Intelligent key with engine start button, Forward Emergency Braking, Lane Departure Warning, High Beam Assist and Traffic Sign Recognition.

Standard and optional equipment will vary by market.