Norden 901 Expedition 2025

Media information

Technically enhanced for 2025 with functional components and finished with a distinctive new livery, the Norden 901 Expedition underlines Husqvarna Mobility’s continued development of this incredible travel machine.

Advanced riders can take advantage of the updated Slip Adjuster, which is part of the Cornering Motorcycle Traction Control (MTC). Offering ten settings, riders can select a level based on their ability and the terrain ahead. The system works by determining how much the rear wheel can slide when exiting turns, as well as unlocking the ability to lift the front wheel over obstacles.

Adding convenience and safety, new mirrors, a hazard light warning system, and a USB-C charging port are all perfectly positioned. Additionally, the Norden 901 Expedition is equipped with a revised exhaust system to allow the parallel-twin engine to breathe more freely while being EURO 5+ compliant.

In front of the handlebars and behind the Windshield, a glare and scratch-resistant 5” TFT display clearly shows essential information including the current speed, fuel consumption, and water temperature. Travel enthusiasts are encouraged to download the Ride Husqvarna Motorcycles app onto their smartphone and pair it with the machine’s Connectivity Unit using Bluetooth. The app features Turn-by-Turn+ navigation, which includes real-time traffic information, and all directions are shown on the dashboard. The Connectivity Unit also lets riders control music selection, make, and receive calls, and adjust the volume using the handlebar-mounted buttons.

An extensive list of Technical Accessories is fitted to the machine to ensure long days of exploration deliver maximum enjoyment from sunrise to sunset. The heated grips and seat provide instant warmth for early morning starts and colder climates while the Touring Windshield deflects wind around the rider, particularly at higher speeds, to reduce fatigue.
A Side Bag Set at the rear of the machine provides up to 36 litres of storage capacity to keep all essential travelling equipment safe and secure.

Technical highlights

Extensive range of Husqvarna Technical Accessories available

Four selectable ride modes (Street, Rain, Offroad, Explorer optional)

Standard connectivity Unit provides TBT+ navigation, telephone call-in/out and music selection functionality from the rider's smartphone

New USB-C port conveniently positioned on the left side of the dashboard

Chromium-molybdenum steel frame with engine as stressed member

Touring Windshield for reduced fatigue on extended rides

Ride-by-wire throttle with adjustable throttle response

Hazard Warning system with integrated handlebar switch

Heated grips and seat for riding in cold climates

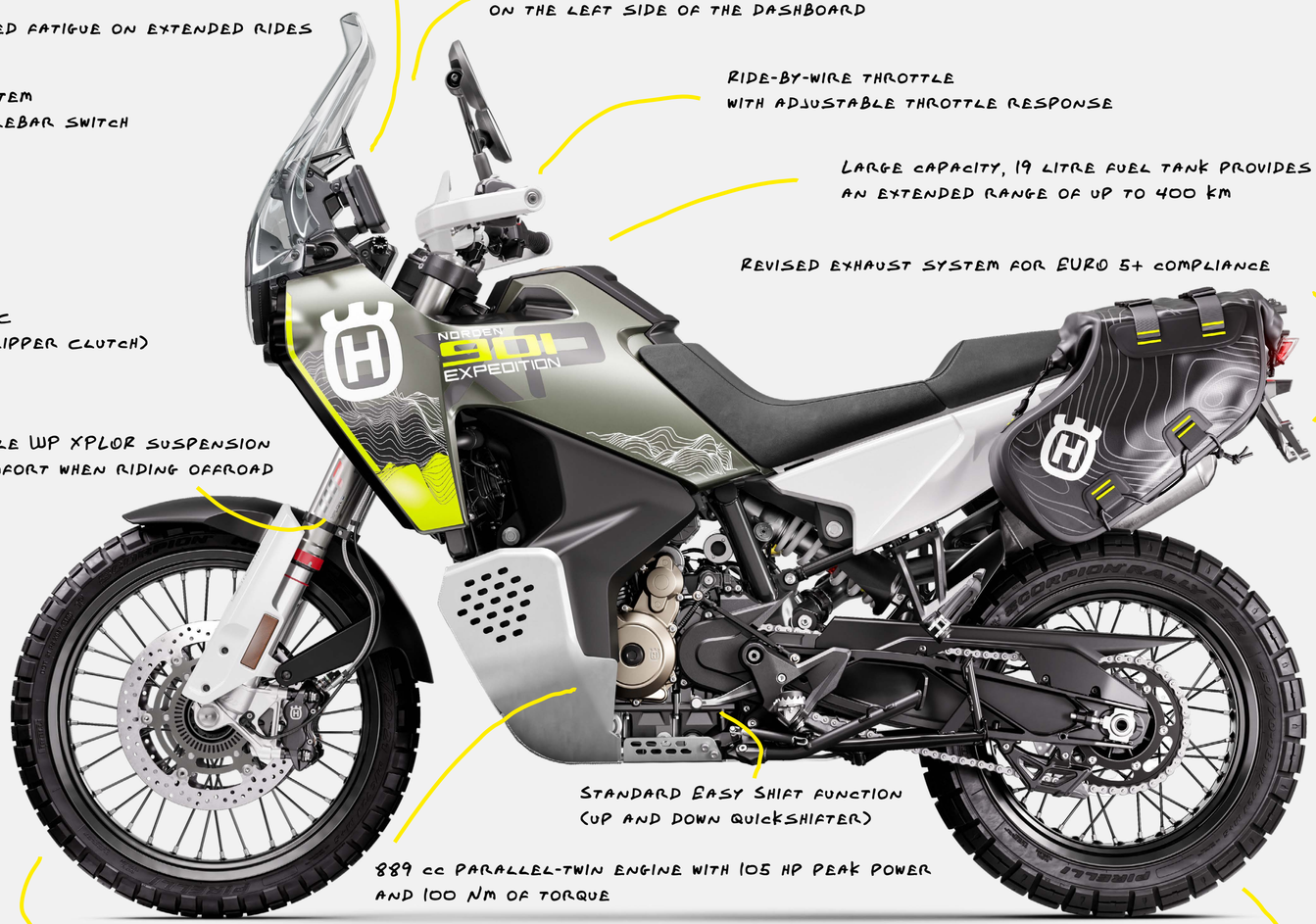
Large capacity, 19 litre fuel tank provides an extended range of up to 400 km

Revised exhaust system for Euro 5+ compliance

Side Bag Set offers convenient storage

Equipped with a PASC (Power Assisted Slipper Clutch)

240 mm travel, adjustable WP XPLOR suspension provides exceptional comfort when riding offroad



Standard Easy Shift function (up and down Quickshifter)

Centre stand enables easy serviceability

889 cc parallel-twin engine with 105 hp peak power and 100 Nm of torque

Heavy duty skid plate for complete protection of tank and engine

Tubeless spoked wheels and Pirelli Scorpion Rally STR tyres for peak performance on the street and offroad

Revised cornering sensitive Traction control allows for 10 levels of adjustable rear wheel slip (in Explorer Mode)

Cutting edge, cornering ABS with offroad mode

Features and benefits

Chassis

One of the most versatile adventure motorcycles ever made, the Norden 901 Expedition is balanced and purposeful, with sporty yet accessible handling on the street, advanced performance, and dynamic handling offroad.

The compact and powerful 889 cc parallel-twin engine is fitted in a highly efficient chassis with offroad-specific WP XPLOR suspension. A low centre of gravity, thanks in part to the state-of-the-art fuel tank design, allows for maximum ground clearance and ensures a low seat height. This gives the Norden 901 Expedition a wide range of usability while the rugged, minimalist bodywork defines the identity of the machine and highlights its rally-inspired roots.

Chromium-molybdenum steel frame

The frame uses a tubular chromium-molybdenum steel frame with the engine as a stressed member to reduce weight and overall size. The overall design and engineering ideology was aimed at providing a compact unit with reduced weight to guarantee advanced agility and stability. The laser-cut sections of the frame are robot-welded and hydro-formed to ensure flawless precision and consistent quality. By using high-grade chromium molybdenum tubular steel, detailed feedback is delivered to the rider through precisely engineered torsional rigidity and longitudinal flex. Additionally, the premium black powder coating and standard frame protectors ensure superior protection and durability.

The geometry of the machine was developed to create a world-class travel bike. It provides light handling and is sporty on the street while excelling across rugged offroad terrain. The rear shock is angled to reduce the seat height with the rider positioned relatively close to the front wheel while sat down, to improve front wheel feel and grip. The compact frame allows for a long swingarm which aids traction.

The steel trellis subframe has a low overall weight. It was developed to be compact, lightweight but also strong enough to carry a passenger and luggage under the harsh conditions that can be expected when exploring beyond traditional roads. In addition, the centre stand is stable and secure which facilitates easy chain maintenance.

- Precisely engineered torsional rigidity and longitudinal flex → detailed feedback for maximum rider confidence and comfort
- Lightweight construction → excellent agility and handling

Aluminium swingarm

The signature gravity die-cast, open-lattice swingarm is precisely manufactured from lightweight aluminium and has been specifically engineered for stiffness and stability while still offering excellent flex characteristics.
By using a direct link for the rear shock, complexity and parts are reduced to allow for easy maintenance while the specific length of the swingarm aids in traction, stability, and suspension setup.

- Lightweight and strong for advanced handling and comfort

Front suspension

The 240 mm travel WP XPLOR 48 mm upside-down front forks deliver the highest level of performance and comfort in varying environments. Using a split damping function on the open cartridge forks, compression and rebound can be adjusted effortlessly using the easy-access clickers located on the top of the fork tubes. This allows the rider to personalise the ride characteristics for preference and varying conditions. In addition, a sealed hydro-stop guarantees excellent resistance to bottoming out.
The steering damper aids stability while riding on harsh street surfaces but does not interfere with offroad riding. Additionally, the frame is ready for high performance, adjustable steering dampers to be fitted.

- WP XPLOR 48 mm upside-down forks → advanced performance and comfort
- 240 mm suspension travel → combination of street capability and offroad comfort
- Easy access clicker dials → effortless setting changes

Rear suspension

The Norden 901 Expedition is fitted with a WP XPLOR shock absorber providing 240 mm of suspension travel to ensure comfort throughout extended offroad adventures. The exclusive Progressive Damping System (PDS), together with the progressive shock spring, performs exceptionally well across rugged terrain. Bottoming resistance is provided by a second piston, which works together with a closed cup (instead of a needle), towards the end of the stroke.
Additionally, the shock can be individually set up for preload (high and low speed), compression, and rebound damping. This allows the rider to adapt the shock behaviour to different riding situations, preferences, and loads on the bike such as added luggage or a passenger.

- WP XPLOR PDS shock → adjustable for preload (high and low speed), compression, and rebound damping
- 240 mm rear wheel travel (87.5 mm suspension travel)

Aluminium triple clamps and handlebar

Lightweight, strong, and stiff for stability, with the perfect amount of chassis flex and rider feedback.
The forged aluminium triple clamps are just one of the premium quality components on the Norden 901 Expedition. Crafted using lightweight aluminium, the triple clamps are designed with a specific rigidity to ensure high levels of strength and tracking stability while also ensuring the highest levels of comfort. Additionally, the steering stem is made of high-strength aluminium instead of steel to provide excellent reliability at the lowest possible weight.

An aluminium tapered handlebar allows maximum control while offering a comfortable riding position and the six handlebar mounting positions provide an adjustment range of 30 mm (front to rear) for customisable ergonomics. The heated grips ensure warm hands, even in the coldest weather, and are activated by using the menu switch on the handlebar.

- Precisely engineered flex → advanced stability and feedback
- Aluminium tapered handlebar → maximum control and comfort
- Heated handlebar grips → advanced rider comfort in the coldest conditions

Footrests

The strong, forged aluminium footrest holders were developed to provide superior ergonomics and the cast steel footrests have been specifically engineered for riding all day, both in a seated or standing position with street or offroad boots. This provides exceptional comfort allowing the rider to continue travelling for extended periods of time.

Additionally, the footrests have rubber inserts, which can be removed when more grip is needed in challenging terrain, and a reversible rear brake lever tip allows for a custom setup tailored for either street or offroad boots.

Bodywork

The Norden 901 Expedition features a state-of-the-art bodywork with a height adjustable two-piece seat that provides exceptional grip and comfort in all conditions. Striking colours and graphics, exclusive to the Norden 901 Expedition, signify the new machine's offroad prowess. Tightly wrapped around the engine and frame, the Norden's bodywork is ergonomically designed to connect the rider's body to the bike through multiple touchpoints, ensuring total control in all riding conditions. Standard handguards protect the rider's hands from the elements.
Using the extensive knowledge of Husqvarna Factory Racing's rally team, the front fairing features an integrated LED headlight and standard fog lights within a slim profile, which is integral in making the Norden 901 Expedition as aerodynamic as possible. The inner spoiler functions both as a structural element for the fog lights and instrument holder as well as an air guide routing air through the bodywork for added stability at high speeds. The new, higher touring windshield provides increased rider wind protection for less turbulence on the helmet, which in turn reduces fatigue when travelling long distances, especially at higher speeds.

Nestled into the front end, the premium LED headlight conveys an unmistakable look. Added to the component is a daytime running light which circles the circumference of the headlight making the Norden 901 Expedition clearly visible in all conditions. The standard fog lights provide additional visibility in challenging conditions and when riding at night. This, together with the LED taillight and turn signals, give the Norden a progressive, minimalistic look.

Additionally, the integrated 12V connector allows for easy charging of handheld devices mounted to the handlebar or on the mounting point above the main dashboard.

- Functional design → carefully engineered aerodynamics for maximum control and stability
- Integrated LED headlight and fog lights → modern and minimalistic look
- Striking colours and graphics → highlights Husqvarna's progressive design
- Slim bodywork → easy movement and exceptional ergonomics for all riders

Seat

The height adjustable two-piece seat offers exceptional comfort on extended journeys. The rider seat can be heated and is narrower in the front, providing easy access to the ground when needed. The composition of the specifically engineered seat foam ensures comfort, even when riding for extended periods of time.
The seat cover uses a mixture of high-quality materials that deliver superior comfort and durability, as the heat-stamped dimples on the rider seat provide additional traction in wet conditions. The heat level can be easily adjusted through the dashboard UI.
Additionally, padded and heat stamped ribs on the passenger seat provide additional comfort and traction when travelling with a companion.

Fuel tank

The fuel tank is a central element of the design and engineering concept of the Norden 901 Expedition. Based on the extensive knowledge from Husqvarna's motorsports development team, the rotation moulded fuel tank places the main volume below the rider's knees and in front of the engine. The end result ensures slim ergonomics, just like a Husqvarna Factory Racing rally bike.

This design lowers the centre of gravity and aids in providing agile handling, both on and offroad. Additionally, the tank does not disturb the freedom of movement as it allows for a straighter seat, giving the rider more freedom to move between riding positions. It also helps to lower the seat height which contributes to a lower centre of gravity without compromising ground clearance.

The fuel capacity is approximately 19 litres and combined with the exceptional fuel economy, the riding range is about 400 km. Adding to the functional design of the fuel tank is a premium tank filler cap which features a machined Husqvarna logo.

The lower part of the tank even protects the rider's legs from cold air and dirt or water spray when traveling in demanding conditions. Exclusive to the Norden 901 Expedition is the heavy-duty skid plate, which is made from 4 mm thick, laser-cut aluminium and provides ample protection for the engine.

TFT dashboard

The Norden 901 Expedition is equipped with a state-of-the-art 5” TFT display. The full screen is easily readable with the main information arranged in a position where the rider can immediately process it.

The optically bonded mineral glass display ensures optimum scratch and glare resistance while the display‘s configuration is variable and automatically adjusts to all light conditions. The rider can select which information they would like to have displayed on the screen. These include the trip meter, fuel range and consumption, as well as water temperature. All Ride Mode and ABS settings are immediately visible on the screen. Additionally, a configurable blinking shift light indicates when to shift.

With the Ride Husqvarna Motorcycles app, a smartphone can be connected to the bike through the Connectivity Unit for Turn-by-Turn+ navigation, accepting phone calls, and listening to music. A GPS mount is included with every machine and can easily be fitted above the dashboard.

Wheels and tyres

The spoked 21” front and 18” rear tubeless wheels ensure high levels of strength and durability with minimal unsprung weight for exceptional performance both on and offroad. The hubs of the wheels feature a black anodised finish for a premium look and improved durability.

Fitted to the wheels are Pirelli Scorpion Rally STR tyres - a 90/90-21 front, and 150/70-18 rear. These premium tyres offer advanced grip and durability across a wide range of conditions.

- Tubeless spoked wheels → added comfort and lower risk of flat tyres
- Lightweight but strong and reliable construction → minimal unsprung weight
- Pirelli Scorpion Rally STR tyres → advanced grip and durability both on and offroad

Brakes

The Norden 901 Expedition features a state-of-the-art Husqvarna branded J.Juan brake system. With its MotoGP-derived technology, the leading Spanish brake supplier delivers exceptional performance and reliability. The black anodised brake callipers and a lasered Husqvarna Crown logo highlight the progressive design and premium finish.

The four-piston, radially mounted front brake callipers with dual, 320 mm floating brake discs allow for an ideal mix of control and stopping power on tarmac and loose terrain. The strength of the piston spring in the master cylinder has been specifically calculated for precise feel through the brake lever while the “Slim-Seal” technology effectively seals the piston of the caliper to provide a precise pressure point.

The rear brake features a 260 mm brake disc actuated by a two-piston floating calliper. The isolated pistons in the calliper, in conjunction with isolation plates between the brake pads and pistons, provide exceptional heat stability when the brake is used continually on long downhill sections. Additionally, the fitting of the brake hose on the rear calliper is made of stainless steel in order to reduce the temperature in the brake hose.

The standard Bosch ABS system prevents wheel lock-up under hard braking and can be deactivated on the rear wheel for more advanced riders.

- J.Juan braking system → advanced braking performance and reliability
- Bosch ABS → prevents wheel lock-up under hard braking

Side bag set

For travel capability straight from the showroom floor, the Norden 901 Expedition is fitted with a side bag carrier system made from sturdy tubular steel, as well as a side bag set with two robust and waterproof bags. The extremely light bags are made with the highest quality workmanship and in addition to the waterproof roll closure, welded seams prevent water ingress. With a storage volume of 18 litres per side, the bags are easily mounted and integrate perfectly into the bodywork.

- Side bag set → 36 litres of storage capacity straight from the showroom floor

Exhaust

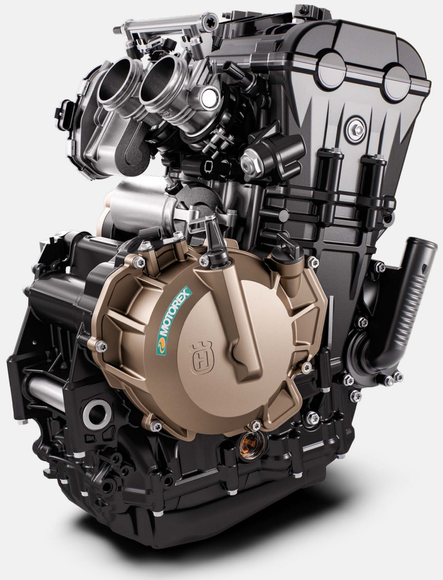
With minor revisions for 2025, the stainless-steel exhaust system is now EURO 5+ compliant and allows the engine to breathe more freely while maintaining low noise and exhaust emissions. Concealed within the framework, the exhaust system features a pre-muffler and final silencer layout. The pre-muffler aids in centralising masses as it allows for a smaller, lighter silencer.

- Two-part stainless-steel exhaust → centralised mass and advanced durability with no additional weight

Engine

The 889 cc, double overhead cam, liquid-cooled, parallel-twin cylinder engine features the latest technology in terms of design and electronics. The maximum power output of 77 kW (105 hp) at 8,000 rpm, and torque of 100 Nm at 6,500 rpm, are outstanding figures that leave riders in no doubt about the performance of this state-of-the-art masterpiece. The extremely lightweight engine weighs only 53.4 kg without oil, but includes all components such as the electric start, throttle body, clutch, and coolant lines. Reliability, durability, and efficiency are guaranteed by technical solutions such as active crankcase evacuation and a semi dry-sump lubrication, which reduce oil friction and pump losses and contribute to the long, 15,000 km service intervals and extremely low fuel consumption.

- Performance → 105 hp / 100 Nm
- Long service intervals and low fuel consumption → lower cost of ownership
- Cutting edge ride-by-wire electronics → class-leading single cylinder technology and performance



Cylinder head

A smooth power delivery is guaranteed thanks to the state-of-the-art four-valve twin-cylinder head with chain driven camshafts and single spark ignition. The camshafts are assembled, which makes them lighter than forged camshafts and the cam profile has been developed to create an incredibly torquey engine. The 37 mm steel intake and 30 mm exhaust valves with oval steel springs are actuated via Diamond Like Carbon (DLC) coated finger followers for minimal friction while delivering exact valve timing at higher engine speeds. The cam chain is tensioned by a hydraulic chain tensioner for outstanding reliability.

In addition, the intake ports have been Computational Fluid Dynamics (CFD) optimised for maximum air flow which is needed for high performance.

- Double overhead camshaft → compact cylinder head design, low friction, lightweight and cost efficient
- Flow optimised intake ports → maximum airflow for high performance and smooth engine behaviour

Crankcase

The horizontally split crankcases accommodate the engine’s large bore. They are aluminium high-pressure cast which allows for reduced wall thickness for lower weight, and optimised to allow the engine designers more freedom with their design.

The Nikasil-coated aluminium cylinders are an integral part of the sleeveless engine casing. The open deck cylinder construction allows for optimal cooling, reduced production tolerances, and minimises the potential for cylinder warpage during production.

Crankshaft, conrod and piston

The crankshaft features a 68.8 mm stroke and runs on a plain bearing to ensure high reliability and long service intervals. The rotating mass of the crankshaft has been specifically calculated for improved engine behaviour while riding at a constant speed. In addition, this enhances stability without losing the agile feel through corners.

The plain bearing type connecting rod is connected to the large, 90.7 mm piston where the trapezoidal top end (V-shape) reduces oscillating masses and is connected through a bronze top end connecting rod bearing.

The forged pistons feature a bridged box design with three piston rings. Due to the box construction, the piston weight is at a minimum while providing advanced durability. Additionally, the engine features two oil jets per piston for optimal cooling of the piston. Together, this creates a high compression ratio of 13.5:1.

To increase comfort and reduce vibrations, the engine is fitted with two balancer shafts - one in front of the crankshaft and the other in the cylinder head between the two camshafts - which reduces inertia forces for a smooth ride.

- Large bore and long stroke → 90.7 mm/68.8 mm
- Forged aluminium bridged box pistons → high performance and durability with minimal weight
- Two counter balancer shafts and minimised oscillating masses → lower vibrations

EMS / Ride-by-wire throttle

The powerful and torquey twin cylinder engine is fitted with two 46 mm throttle bodies made by Dell´Orto that have no mechanical connection to the throttle grip. As the rider opens or closes the throttle, the throttle valve is electronically controlled by the engine management system (EMS) that continuously compares engine parameters with data from sensors, and adjusts the throttle valve accordingly, resulting in perfect power delivery and throttle response.

To eliminate interferences between the cylinders at small throttle openings, each cylinder features a separate intake tract while a sensor in each throttle body measures and regulates the manifold pressure.

Additionally, a knock sensor on the cylinder head is fitted to detect knocking combustions – an important feature for travelling the world where poor fuel quality can be a possibility. The engine electronics react to relevant vibration signals caused by knocking combustions by delaying ignition and consequently protect the engine against possible damage.

- Electronically controlled throttle → perfect power delivery and throttle response
- Active knocking control → protects the engine from possible damage due to poor fuel quality

PASC slipper clutch

The Power Assist Slipper Clutch (PASC) clutch system maximises rear wheel grip under hard acceleration as well as preventing rear wheel instability and hopping when braking hard into a turn, for maximum control and smooth down-shifting. As the slipper clutch opens when the engine back-torque becomes too high, it prevents rear wheel chatter when braking sharply or decelerating. When the rider opens the throttle, it reduces the force required to change gear and reduces lever vibration. This allows the clutch to be controlled with just one finger, saving the rider energy on extended trips and when riding through slow, technical sections.

The specifically engineered friction plates provide a high friction value to increase durability and heat resistance while the friction discs guarantee sufficient oil separation for easy access to neutral.

- PASC slipper clutch → maximum control under hard acceleration, braking and down-shifting

Gearbox

The engine features a six-speed sequential gearbox which ensures quick and precise gear changing thanks to the short shift lever travel, light spring action, and advanced settings of the standard Easy Shift feature.

For added confidence in challenging environments, an Easy Shift sensor is linked to the gearbox which allows the rider to make seamless up and down shifts without the use of the clutch. The sensor detects when the rider changes gear and sends a signal to the ECU to match engine parameters which allows for a smooth gear change at any RPM or engine load.

Based on the extensive experience of Husqvarna Factory Racing, the drive sprocket features a screwed design as found on the FR 450 Rally engine. This allows for improved maintainability and quick sprocket changes when required.

Additionally, the glass bead-blasted teeth of the fourth, fifth, and sixth gears provide exceptional reliability.

Oil Circulation

The oil circulation is based on a semi-dry sump system to reduce friction losses and allow for a compact engine build. This design has allowed the engineers to position the engine in the chassis in the perfect location to achieve a low centre of gravity and reduce the seat height.

Inside the state-of-the-art engine, the oil is actively pumped out of the crank case, clutch housing, and gearbox. A vacuum of 0.45 bar ensures that oil does not unnecessarily flow through the engine, reducing friction losses on the crankshaft. The oil sump is integrated into the oil pump housing, together with two pumps (one scavenge, one pressure) and a pressure regulation valve. Additionally, to ensure an efficient oil temperature, the engine is equipped with a large oil cooler.

Emissions and Consumption

Technical revisions ensure the Norden 901 Expedition is now EURO 5+ compliant. With a fuel consumption of just 4.5 litres per 100 kilometres, it combines outstanding performance with economy. The engine produces only 105 g per kilometre of CO2.

Electronics

Easy Shift

The Norden 901 Expedition is equipped with a rally motorsport-derived Easy Shift function. Up and downshifts can be performed without the need to pull the clutch lever which provides several benefits:

- Shorter shift times
- A more precise and smoother ride, since clutch actuation and backing off the throttle are no longer required
- The load reversal impact on the rear wheel is noticeably reduced when downshifting
- Rear wheel traction is significantly improved
- The rider can maintain full grip on the handlebars

Easy Shift uses two sensors, one sensor is on the shift arm, which detects the movement on the shift lever rod when the rider upshifts, and the system cuts the ignition instantaneously. As soon as the second sensor detects the gear engagement, it reapplies the injection and opens the butterfly valve to ensure a smooth action at all engine speeds and throttle positions. When downshifting, the system matches the engine speed to the speed of the new gear selected.

Additionally, the system can also be deactivated if desired by the rider.

Cornering ABS

The latest braking system technology is fitted to the Norden 901 Expedition. The Bosch cornering ABS system is specifically set up for the motorcycle and allows riders to use the full power of the brakes, even when leaning into corners, for the highest level of braking performance and safety.
The system also features advanced rollover protection: in Street ABS mode under extremely hard braking, sensors ensure the rider maintains control.

- Bosch 9.1 MP ABS → maximum braking performance and safety

Offroad ABS Mode

Adventure riding is about exploring the unknown and riding long distances. By activating Offroad ABS Mode, brake control is improved on loose terrain and ensures the rider maintains control of the machine.

In this mode, ABS is deactivated on the rear wheel, while ABS activation on the front wheel is reduced with the data taken from the lean angle sensor no longer considered. This allows riders to lock up the rear wheel - an advanced riding technique to achieve a tighter turning curve. It reduces the tendency of the ABS on the front wheel which allows riders to read and feel the terrain beneath them and brake accordingly. The settings have been optimised to ensure maximum braking power and minimal intrusion.

Offroad ABS is linked to the Offroad ride mode and can also be used with the Street mode engaged.

Cornering MTC

Cornering Motorcycle Traction Control (MTC) is Husqvarna's premium lean angle sensitive traction control system and provides the highest level of safety. The system monitors the rear wheel speed and reacts immediately if the rotational speed of the rear wheel is disproportionate to the overall riding speed. Within milliseconds, the MTC reduces the engine output with an extremely smooth, barely perceptible intervention at the throttle valves, until the system has reduced slippage to optimum proportions for the selected ride mode and lean angle of the motorcycle.

The new generation of Cornering MTC uses two additional sensors (a wheel slip and a tilt angle sensor) for the various movements of the motorcycle. Each sensor has its own function, and data from both are combined to offer a range of traction control settings. With the data from the tilt angle sensor, optimal traction is assured which is clearly noticeable during straight line acceleration. The power reduction is less abrupt if the front wheel lifts and thus a more constant acceleration can be achieved.

Depending on the selected riding mode, Cornering MTC allows different levels of traction slip at the rear wheel. In Explorer mode, the rider can control the level of MTC intervention with slip adjust from 9 levels. The setting offers a large range of intervention to the benefit of beginners and experienced riders alike and allows for a drifting rear wheel when accelerating out of corners or lifting the front wheel.

For experienced riders, the traction control can also be switched off.

Slip Adjuster

Depending on the selected riding mode, Cornering MTC allows different levels of traction slip at the rear wheel. In Explorer mode, the rider can control the level of MTC intervention with slip adjust in nine levels. The setting offers a large range of intervention to suit a wide range of riders. On the competitive end, it allows for a drifting rear wheel when accelerating out of the corner as well as the ability to lift the front wheel.

Riders can also set the slip adjuster to level 0 to turn MTC Off (long press downwards at level 1).

Slip adjuster level	Comparable ride mode
-	MTC OFF
1	
2	
3	
4	Offroad mode
5	
6	Street mode
7	
8	
9	Rain mode

Ride modes

The ride modes allow the rider to adapt the behaviour and feeling of the engine. A specific ride mode alters the throttle response, the traction control level and, depending on the mode, the peak power.
The Street mode offers a lively and direct throttle response with matching MTC settings for riding on paved surfaces and engages Street ABS mode. The MTC is set up to allow minimal slip before it activates. Smooth and accessible enough for less experienced riders and traveling with a pillion, yet dynamic enough to allow for exceptional performance along twisting mountain roads.

The Offroad mode offers a smooth throttle response and allows considerable slip before it intervenes while the linked Offroad ABS mode allows for the rear wheel to be locked up. On low grip surfaces, a certain amount of wheel slip is needed to ensure forward motion. Additionally, it allows riders to break traction, so they can steer with the rear wheel. The mode is not lean angle sensitive, as the MTC does not intervene when a rider uses natural banking to turn. Furthermore, the anti-wheelie function is not engaged in this mode which allows riders to lift the front wheel over obstacles.

Rain mode has a very smooth throttle response, reduced peak power, and the traction control intervenes early for maximum control. Perfect for bad weather, challenging road conditions, preserving tyres, or just riding home at the end of a long journey.

Ultimately, the standard Explorer mode provides direct control over the various functions and reconfigures the information displayed on the dashboard.

Motor Slip Regulation

The Norden 901 Expedition is equipped with Motor Slip Regulation (MSR), which is an engine brake control that works in the opposite direction of the MTC. If, due to down shifting or the throttle is closed abruptly and the engine drag torque is too high, the ride-by-wire system balances the engine speed precisely as needed to ensure a controlled deceleration. MSR complements the slipper clutch and is especially effective in low grip situations.

Cruise Control

The Norden 901 Expedition is fitted with a handlebar menu switch with additional Cruise Control buttons. This means the desired speed can be easily set and changed individually by the rider.

Hazard warning system

The new hazard warning system allows for the simultaneous activation of the LED turn signals in case of a road hazard or emergency. The system is activated with an integrated switch on the throttle switch cube.

Connectivity features

The Norden 901 Expedition is fully compatible with the Ride Husqvarna Motorcycles app. The integrated connectivity unit enables phone and music functions as well as Turn-by-Turn+ navigation and route planning, all powered by the sophisticated app.

When a Bluetooth helmet headset is paired to the app and connected to the Norden 901 Expedition, riders can listen to music stored on their smartphone while riding. Using the left handlebar-mounted mode switch, the rider can toggle between tracks on a playlist or music archive and control the volume, with the information about the track displayed on the machine's TFT dashboard.

With the ease of pairing a smartphone to the Norden 901 Expedition with Ride Husqvarna Motorcycles, the phone function allows the rider to see incoming calls on the TFT dashboard and, using the mode switch, accept or decline the call. The new call-out feature allows users to define a list of their favourite contacts and the option to select and call a number from the recent calls stored on the rider's phone.

Additionally, the Ride Husqvarna Motorcycles app (available for Android and iOS) provides route planning and improved Turn-by-Turn+ navigation. The visual guidance is transmitted via Bluetooth to the TFT dashboard to show the pre-planned destination. To save on mobile data use, maps can be downloaded for offline use; this also helps to create and save pre-planned routes. Furthermore, to allow for extended exploration off the open road, up to 128 waypoints can be added to a route when planning to create truly unique trips. Additional features include:

Last Search is filled with the ten last searched destinations.
Favourites is filled with ten saved destinations and routes. These Favourites are saved and named by the rider within the app.
Stop Navigation stops/exits current guidance.
Skip Waypoint skips the current waypoint and re-calculates the route to the next waypoint.
Navigation Volume allows the rider to change the system volume.

Functional Apparel

Scalar V2 Jacket

The Scalar V2 Jacket is a premium and versatile adventure riding jacket. For durability, the abrasion and tear-resistant outer shell material fends off branches with ease and features reinforced shoulders and elbows for added protection. Multiple pockets inside and outside of the jacket boost functionality, as well as a mesh liner, adjustable waist, hem, and sleeves, in addition to the ventilation zones. The Scalar V2 jacket is complete with a card pocket on the left arm and a TPR hose routing for a hydration system. Assured comfort when riding in cooler conditions is provided by the detachable thermo jacket, which can also be worn on its own. The third layer is the removable K-Hydratech Pro D-Liner that provides a waterproof rating of 20,000 mm and breathability of 20,000 g/m²/24h. The Scalar V2 Jacket is available from February 2025.

Scalar V2 Pants

Creating a head-to-toe look when worn with the Scalar V2 Jacket, the Scalar V2 Pants are made to the same high standard and offer exceptional comfort throughout every adventure. In addition to the abrasion-resistant material used to construct the pants, reinforced and heat-proof knee and seat sections boost durability even further. A mesh liner and large ventilation zips on the thighs aid comfort while the adjustable waist belt and ankles ensure a perfect fit for every rider. The removable and windproof K-Hydratech Pro D-Liner can be worn over the pants and offer a waterproof rating of 20,000 mm. The Scalar V2 Pants is available from February 2025.

MX-9 ADV MIPS® Helmet

Made for every adventure, the MX-9 ADV MIPS® Helmet is packed with features to ensure maximum safety and comfort. The lightweight thermoplastic shell is designed with a Velocity Flow Ventilation system for consistent cooling on longer rides while the Nutrafog II, anti-fog and anti-scratch lens provides clear vision at all times. The safety features of the helmet are headlined by the MIPS® impact management system that reduces the rotational forces transferred to the brain during a fall. The MX-9 ADV MIPS® Helmet is made exclusively for Husqvarna Mobility by Bell Helmets.

Scalar V2 Gloves

Modern and flexible materials are used to construct the breathable Scalar V2 Gloves with a built-in visor wiper providing a smart solution for cleaning your visor while riding. The back of the hand section is made from elastic spandex with a leather trim, TPR knuckles, Superfabric® on the ball of the hand, in addition to being touchscreen compatible. For a comfortable fit, the Scalar V2 Gloves use a reliable and easily adjustable Velcro fastening. The Scalar V2 Gloves are made exclusively for Husqvarna Mobility by Held and are available from February 2025.

Scalar Gore-Tex Boots

Experience day-long comfort in all weathers while wearing the Scalar GORE-TEX® Boots. Assembled with a 100% waterproof GORE-TEX® membrane, your feet stay warm and dry while the TPU impact protection around the ankle helps to prevent injury. An anti-slip sole by Vibram ensures maximum grip when riding stood up on the footrests with the boots easy to put on and take off thanks to the Quick-Action, Velcro strap buckles. The Scalar Gore-Tex Boots are made exclusively for Husqvarna Mobility by Held and are available from February 2025.

Technical Accessories

Akrapovič „Slip-on Line“

Create a distinctive exhaust note and competition-focused look for your Norden 901 Expedition by installing an Akrapovič ‘Slip-on Line’ silencer. Beautifully assembled from high-grade titanium, the silencer is considerably lighter than the standard version and offers plug and play mounting, which means that no ECU adjustments are needed for you to take advantage of this premium component.

Factory Triple Clamp

By installing the CNC-milled Factory Triple Clamp, weight is saved while the overall aesthetics of the machine are enhanced. The anodised finish adds style to the Norden 901 Expedition and customisation as the top clamp offers three positions for the handlebar mount to be fitted. Additionally, riders will experience a heightened level of feedback from the front wheel and refined overall handling.

Tank Bag

Held in place on the tank using a special adapter plate and magnets, the Tank Bag provides a smart solution to carrying small items that require easy access. A water-resistant coating is applied to the outer shell of the bag and together with the PVC-coated zip, all contents can be stored safely.

Luggage Bag

The Luggage Bag is the perfect complement to the Side Bag Set that is fitted as standard on the Norden 901 Expedition. Providing a considerable amount of extra storage capacity, the Luggage Bag ensures everything needed for the longest of expeditions can be carried efficiently. The Luggage Bag is manufactured using lightweight, waterproof materials with welded seams to ensure contents are kept dry and safe at all times, even in the harshest of conditions.

Radiator Protection Grill

Providing extensive protection for the radiator, the Radiator Protection Grill is an essential upgrade, particularly for riders covering technical, rocky, offroad terrain. Easy to install, the lightweight grill is made from high-quality aluminium for strength and durability, and integrates neatly with the Norden 901 Expedition bodywork for an enhanced appearance.

Husqvarna

Click here and find more information on our website.

www.husqvarna-motorcycles.com