

News Release

Hyundai Introduces 2019 Veloster N, First U.S. Market N-Brand High-Performance Model, at German Nurburgring

- Hyundai selects challenging Nordschleife circuit for U.S. Veloster N media impressions
- Veloster N model demonstrates performance potential for Hyundai N brand in the U.S.
- 2.0-liter turbocharged engine with up to 275 horsepower and 260 lb.-ft. of torque
- Electronically-controlled suspension with multiple track-tuned driving modes
- N model integrated body design details clearly differentiate from Veloster line

NURBURGRING, Germany, July 20, 2018 – Hyundai today introduced its high-performance Veloster N model for the U.S. market to an exclusive global media group at the German Nurburgring. Hyundai introduced Veloster N to media as the first of its U.S. N models at the 2018 Detroit Auto Show. Veloster N represents Hyundai's highest performance vehicle ever for the U.S. market. For this reason, it chose the world's approved testing crucible for dynamic performance and durability, the famed crests and bends of the Nordschleife, for its first N media drive. World famous iconic racer Jackie Stewart infamously dubbed it "The Green Hell" for its challenging 23 kilometers of more than 160 apexes. Hyundai's first U.S. market N model leverages the outstanding, new-for-2019 Veloster platform, showcasing an even higher level of performance appealing to the most discerning of automotive enthusiasts.

Hyundai's high performance N brand was developed to make the driver's heart beat faster whenever they're behind the wheel. Instead of focusing on outright performance numbers, Hyundai chose to emphasize the N driver's heartbeats per minute (BPM), rather than revs per minute (RPM). With fun-to-drive character as a top priority, Veloster N has been developed to deliver thrilling cornering ability coupled with everyday sports car drivability and race track capability.



Veloster N was born in Namyang, Hyundai's global R&D center, and was thoroughly honed at its Nurburgring-based testing center in Germany. The Veloster N begins production in September 2018 in Ulsan, Korea, with U.S. market availability in the fourth quarter of 2018.

“Veloster N takes Hyundai to a new level of purchase consideration for true driving enthusiasts in the U.S. market,” said Albert Biermann, president and head of Performance Development and High Performance Vehicle Division, Hyundai Motor Group. “The Veloster N is another example of Hyundai Motor's capabilities, creating an exciting sports car with thrilling dynamics combined with a compelling affordability equation as key to the N high-performance concept.”

The Veloster N offers a comprehensive degree of exterior, interior and mechanical differentiation even beyond the Veloster Turbo and R-Spec models.

N EXTERIOR DIFFERENTIATION

From the outside, Veloster N provides an exclusive N-design front fascia and grille with dedicated front air ducts for enhanced brake cooling. LED headlamps add a tech-focused design detail to the front visage as well.





In profile, exclusive N-design rocker side sills and available lightweight 19-inch alloy wheels with a machined-finish dual-spoke star design clearly differentiate the N model from other Veloster models. Tires are of the ultra-high performance category, with standard 225/40R18 Michelin Pilot SuperSport summer tires for the 18-inch wheel design and exclusive-compound 235/35R19 Pirelli P-Zero summer tires for the available 19-inch alloy wheel.



The rear of the Veloster N sports a larger N-design rear spoiler, rear fascia design with integrated diffuser, and performance-diameter, high-flow dual exhaust. LED tail lamps further accentuate the rear view lighting signature with a tech-oriented ambience.



N INTERIOR DESIGN

On the inside, Veloster N offers exclusive N-design front cloth sport seats with performance-focused bolstering, N-design steering wheel, shift knob, N-logo door sill plates, and N-design electroluminescent instrument cluster. Interior details are accented by an N performance blue accent theme. As engine speed approaches redline, the N-design center cluster displays a progressive sequential shift indicator, alerting the driver of an impending shift point for maximum acceleration. N-brand metallic door sill scuff plates greet the driver as they approach the driver seat.



N POWERTRAIN

Mechanically, Veloster N offers a larger 2.0-liter, direct-injected turbocharged powerplant over the Veloster Turbo. The engine boasts up to an available 275 horsepower at 6,000 rpm (estimated) and up to 260 lb.-ft. of torque from 1,450-4,700 rpm (estimated) for responsive, thrilling performance at every RPM range. The turbo system intercooler is isolated from the condenser and radiator for even more efficient cooling of the intake charge. The system also benefits from a two-stage induction system for maximum output at all rpm ranges. The engine compression ratio is 9.5:1, high for a turbocharged engine. The high performance engine is backed up by a close-ratio, short-throw six-speed manual transmission with downshift rev-matching capability. The transmission uses carbon-coated synchro

rings and gear material reinforcement for smoother operation and lower overall shift force coupled with a positive engagement feel. The Veloster N clutch also utilizes a double-layer facing clutch disc design for increased burst strength and torque capability. In addition, the powertrain sports a multi-mode, high-flow active sport exhaust system with a variable exhaust actuator. In N mode, this system yields an exhilarating engine over-run exhaust crackle during spirited-driving upshifts and rev-matched downshifts. This is achieved, in part, via retardation of ignition timing specifically during throttle tip-out during sporty driving. This advanced exhaust system is further augmented with an Electronic Sound Generator that enhances the natural powertrain sound for an even sportier driving resonance between the engine and the driver.



N SUSPENSION GEOMETRY AND TUNING

Generous torque from the turbocharged powertrain is smoothly and efficiently driven to the tarmac by an N Power Sense Axle design. Veloster N's Power Sense Axle geometry features a zero-scrub radius for more precise steering, quicker response, and a direct on-center feel, with increased steering linearity. The geometry is further optimized for linear torque build up and corner-exit precision. Roll angle is also decreased due to a shorter roll-moment arm, resulting in enhanced grip. The motor-driven power steering system is rack-mounted and secured at three locations for reduced flex and more direct handling, especially during high-performance driving. For even greater body rigidity and suspension precision under high dynamic cornering loads, a specially designed, unobtrusive rear strut brace reinforces the rear multi-link suspension mounting points.



Unique suspension tuning is derived from a multi-mode electronically-controlled suspension with a track-focused N mode available. The suspension uses a load-transfer control system that reduces dive during braking, enhances roll control during cornering and reduces rear suspension compression under hard acceleration.

Outstanding cornering is further achieved via an available electronically-controlled torque-vectoring N Corner-Carving Limited-slip Differential. The N Corner Carving Differential improves launch performance, reduces acceleration slip understeer and increases maximum cornering speed via precise torque-vectoring.

Veloster N offers a wide range of driver tuning preference via its N Grin Control System drive mode selection system. Modes include Normal, Sport, N, Eco and N Custom, differentiating engine throttle response, engine speed rev-matching, exhaust note, active differential tuning, suspension damping rates, steering feel and yaw-control characteristics. N Custom mode allows comprehensive driving character preferences via uniquely customizable settings for each tunable driving attribute.

N BRAKING

Veloster N available braking offers oversized 13.6-inch performance rotors on the front axle and 12.4-inch rotors on the rear, for confident, heat-dissipating braking performance coupled with a firm pedal feel. Standard Veloster N brake rotors are 13.0 inches in the front and 11.8 inches in the rear.

N COLOR

Veloster N models are available in four exterior colors for the U.S. market: Ultra Black, Chalk White, Racing Red, and N-exclusive Performance Blue, inspired by Hyundai Motorsport. Interior combinations are black with unique molding accent colors tailored to the exterior combination.



HYUNDAI MOTOR AMERICA

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Contact

Derek Joyce
(714) 594-1728
djoyce@hmausa.com