

THE ASTONISHING

GEN•2

A NEW GENERATION BEGINS



Technical Highlights



GEN•2

TECHNICAL SPECIFICATIONS

POWERTRAIN		
Model	1.6L M/T	1.6L A/T
Engine	S4PH 4 Cylinder 16V DOHC	
Bore x stroke	76 mm x 78 mm	
Total displacement	1597 cc	
Maximum power	110 hp (82 kW) / 6000 rpm	
Maximum torque	148 Nm / 4000 rpm	
Fuel system	Multi-point fuel injection	
PERFORMANCE		
Maximum speed	190 km/h	185 km/h
0 - 100 km/h	10.5 sec	13.0 sec
Fuel consumption @ 90 km/h constant [Litres / 100km]	5.8	6.2
CHASSIS		
Power steering system	Hydraulic Power Steering	
Front suspension	MacPherson strut with stabilizer bar	
Rear suspension	Multilink with stabilizer bar	
Front brake service	Ventilated disc 15”	
Rear brake service	Solid disc 15”	
Tyre size	195 / 55 R15	
Wheel size	Alloy - 15” X 6.0JJ	
DIMENSION & WEIGHT		
Overall length x width x height	4310mm x 1725 mm x 1435 mm	
Wheelbase	2600 mm	
Track, front / rear	1475 mm / 1470 mm	
Overhang, front / rear	870 mm / 840 mm	
Weight	1175 kg	1195 kg
Seating capacity	5 persons	

All information detailed in this leaflet is correct at time of printing. Perusahaan Otomobil Nasional Berhad reserves the right to make changes to the colours, features and/or the specifications detailed in this leaflet as well as discontinue any individual model without prior notice. The colours of vehicles delivered may differ slightly from those featured in this leaflet subject to limitations of the printing process. Please consult your dealer to ensure that the vehicle delivered is in accordance with your expectations. © 2004 Perusahaan Otomobil Nasional Berhad (Company no: 1009955-U)



SIMPLY ASTONISHING ALL ROUND





30 > Anti-Corrosion

GEN-2's 10-year anti-corrosion warranty on all models doubles previous warranty periods thanks to the adoption of galvanised material and new anti-corrosion treatments at Proton's state-of-the-art Tanjung Malim facility. An automated three-stage, total-immersion system treats and rust-proofs the metal bodies, finishing with a computer-controlled complete body spray painting system.



31 > Security

With a car this astonishing, you'll be glad of extra protection from CAPTOR's 24-hour online Vehicle Tracking & Recovery System (VTRS). It facilitates rapid recovery of stolen or hijacked vehicles via a RF communication network, so you can enjoy peace of mind no matter what.

How it works:

- > Illegal movement of the vehicle activates the tracking system.
- > Control centre detects movement information and activates recovery teams. Control centre may immobilise the vehicle if required.
- > Recovery teams then locate and retrieve the vehicle.

Features:

- > Siren warning linked to doors, bonnet, trunk, ignition, central locking mechanism.
- > Works regardless of location in underground carpark, tunnel, dense jungle.



Metropolitan Grey



Dune



Angel Blue



Energy Orange



Super Purple

CAPTOR



The New Generation Proton: *Simply Astonishing*

The GEN•2 vision:

An astonishingly stylish car that anyone would be proud to own.

The GEN•2 was built for desire.

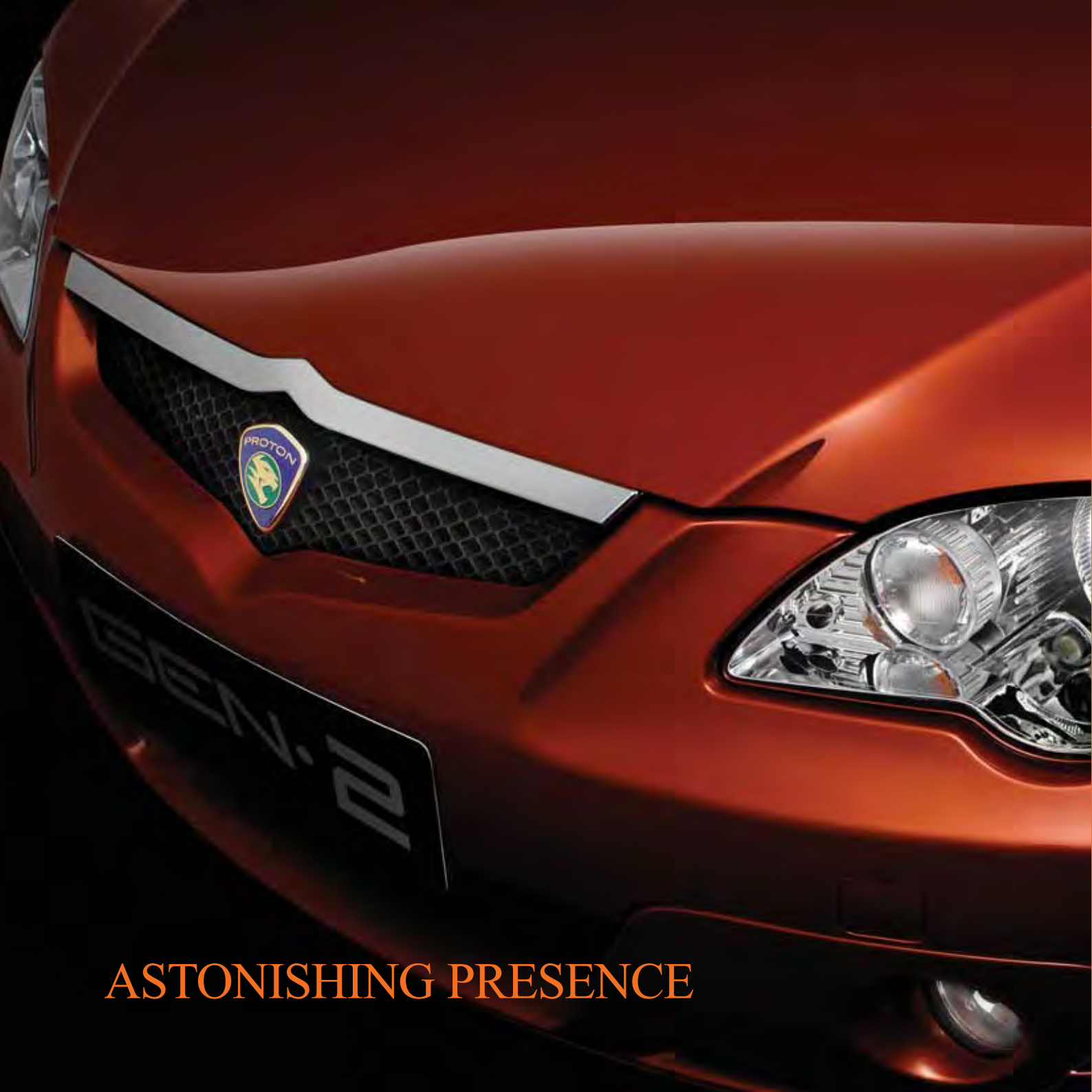
No matter which way you look at it, the car is simply astonishing.

The 2nd true Proton, it is the first to enjoy the many revolutionary benefits of the powerful new Proton Campro engine.

No compromise was allowed to interfere with styling purity; and the result is an astonishingly attractive exterior with truly futuristic interior design.

Factor in the energetic Campro performance and the Waja platform of high structural integrity for strength and safety, and the result is irresistible: style with substance.

Get acquainted with the GEN•2's astonishing Front, Side, Rear, Interior, Engine and Security and fall in love with a car that's simply astonishing all round.



ASTONISHING PRESENCE

6

SAFETY & SECURITY

GEN•2 offers astonishing safety through a 3-stage safety system: a Safer Cabin, Active Safety and Passive Safety.

And for even more peace of mind, you have the amazing security of CAPTOR's 24-hour surveillance network, no matter where you leave your GEN•2.

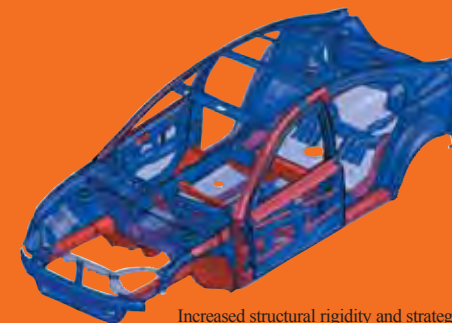
27 > Crash Safety

Amazing protection with the GEN•2's 3-stage safety system:

- 1. Safer Cabin:** Increased body rigidity and strategic crumple zone placement make a safer cabin for optimal occupant protection.
- 2. Active Safety:** Four-wheel anti-lock braking system (ABS) with electronic brake force distribution (EBD)
- 3. Passive Safety:** Dual SRS front airbags supplemented with an electronic seatbelt pre-tensioner system which locks the belt in place to limit occupant travel in event of crash

28 > Structural Integrity

The GEN•2 offers all-round safety: front, side and rear, with an overall 3-star EURO NCAP rating. Body strength on this car exceeds international safety regulations and market requirements of the European Community (EEC), Australian Design Rules (ADR) and Gulf Standards.

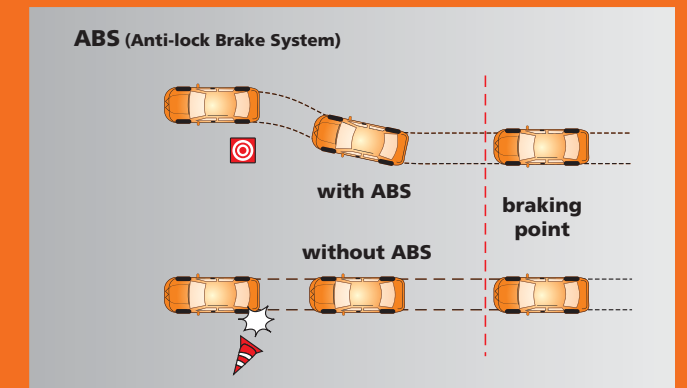


Increased structural rigidity and strategic crumple zones

29 > Braking System

>> Anti-Lock Braking System (ABS)

GEN•2's Electronic Brake force Distribution (EBD) system ensure stability and good braking performance, particularly during panic / emergency situations; preventing complete wheel lock-up and allowing the driver to perform avoidance manoeuvres even when the brake pedal is pressed.



>> Corner Module

These modules are important because they deliver the full performance of the braking system, ensuring optimum safety.



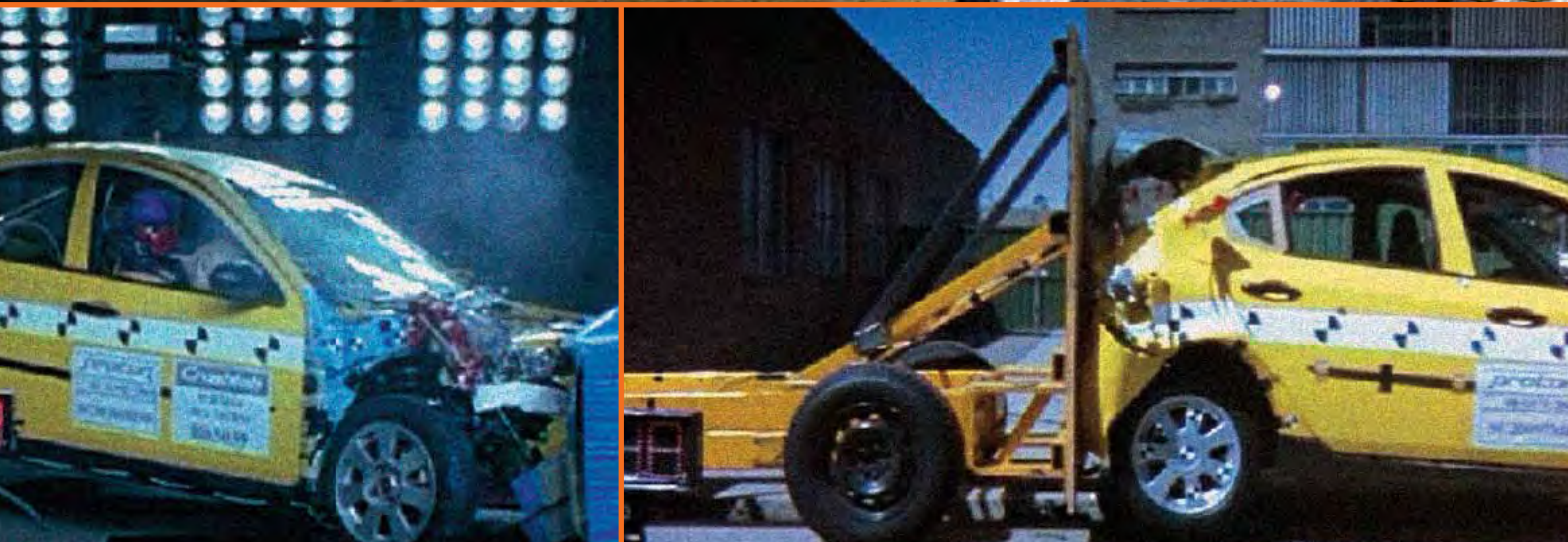
ASTONISHING REASSURANCE

Front Impact: Surpasses European and Australian Full Frontal Impact (ADR 69/00) tests with minimal cabin deformation.

Side Impact: Surpasses Australian Regulations (ADR 29/00), sustaining minimal intrusion of cabin side pillars.

Rear Impact: In a test required only by Middle East regulations (Gulf STD 37/84), the GEN•2 achieved excellent results with minimal cabin deformation, a feat which even surpasses the safety performance of some sedan cars.

Roof Crush: Passes the Gulf Standards (Gulf 39) Roof Crush test only required in the Middle East.



1

FRONT

At first glance, you'll sense the thoroughbred sporting lineage: exciting, young, dynamic; full of playful determination. A truly cosmopolitan design for the stylish buyer.

1 > Distinctive Front Styling

The GEN•2 'face' is strong and spirited; its sleek, powerful lines show the best of Proton styling with distinctive flair.

2 > Signature Intake Grille

Inspired by the classical aesthetics of the Wau Bulan, the aerodynamic opening draws upon our unique heritage to give the GEN•2 an entirely individual personality and modern look.

3 > Headlight Cluster

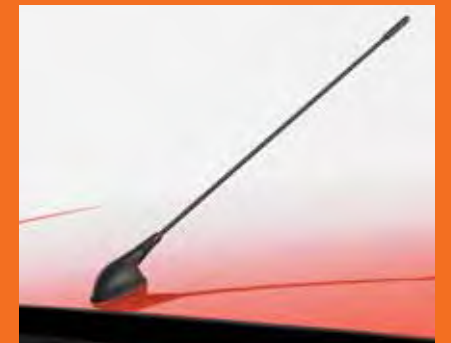
With a powerful, reassuring beam that cuts brightly through challenging conditions, the 2-headlamp light system with streamlined, integrated indicator signals offers improved condensation proofing and improved night driving comfort.

4 > Moulded Bumper

The heat-resistant plastic bumper offers better stability under hot conditions, better resistance to a wide range of weather conditions and weight savings. It meets EU regulations on bumper impact and body protection, and quality standards for zero gap between bumper and body.

5 > Bee Sting Antenna

Sturdy, durable antenna for enhanced signal reception.



2

SIDE

GEN•2's body line rises gracefully towards the rear a classic sporty silhouette. Swift, sweeping curves yield maximum aerodynamic advantage whilst the sleek, masculine shoulder line conveys an attitude of sporting power.



6 > Hot Hatch: Compact Body Length

Exploiting the hot hatch advantage, the body retains a spacious interior for occupant comfort, yet is sized for nimble handling and easy parking.

7 > Alloy Rims

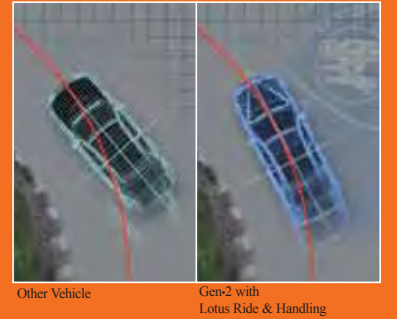
Beneath the generous wheel arches gleam custom-designed racing alloys, with sporty low profile tyres to match.

26 > Ride & Handling

Scientifically quantifiable international standards are used to measure ride and handling on a 9-Point Vehicle Dynamics Chart. Scores range from 0 to 9, with 9 being the unrealisable theoretical maximum.

The GEN•2 scored top marks, offering excellent ride & handling with low noise, vibration and harshness, especially amazing when compared against other cars in its class.

Tests revealed that the GEN•2's secure and agile handling, precise, progressive steering response, and outstanding stability in cornering and changing lanes leaves the competition far behind. With an amazing all-round score of 7.5, the GEN•2 has even broken the Waja's previous records for ride & handling prowess.

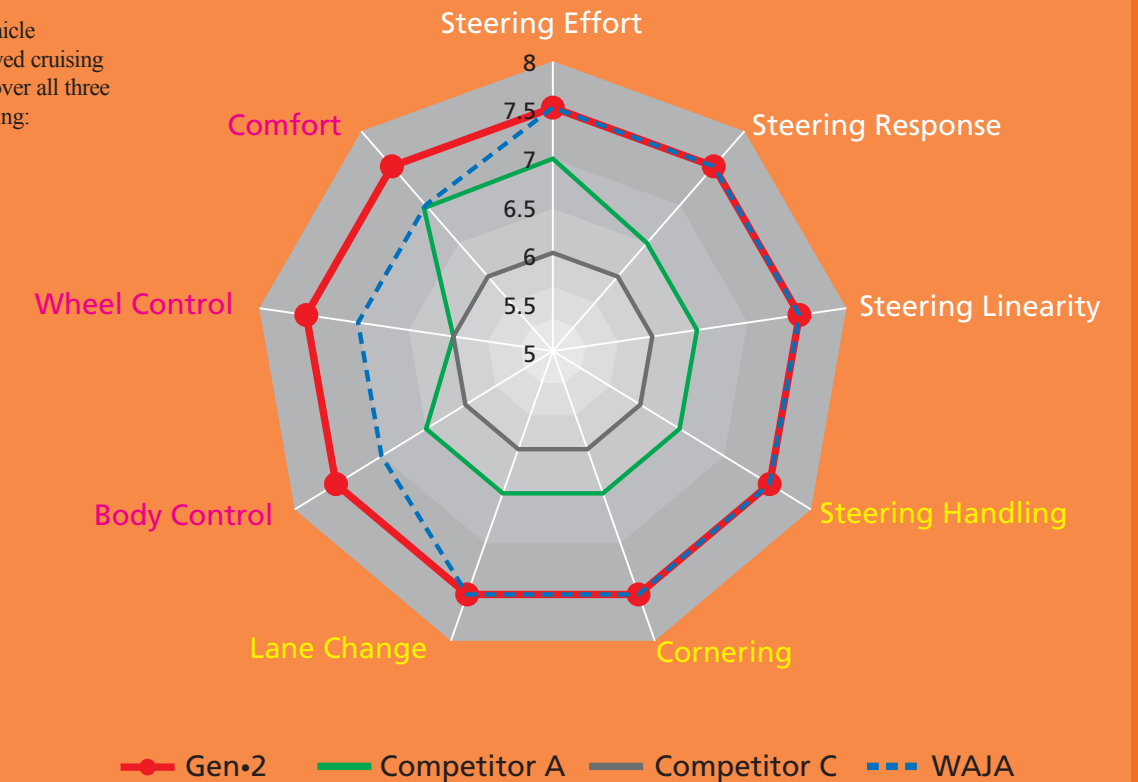


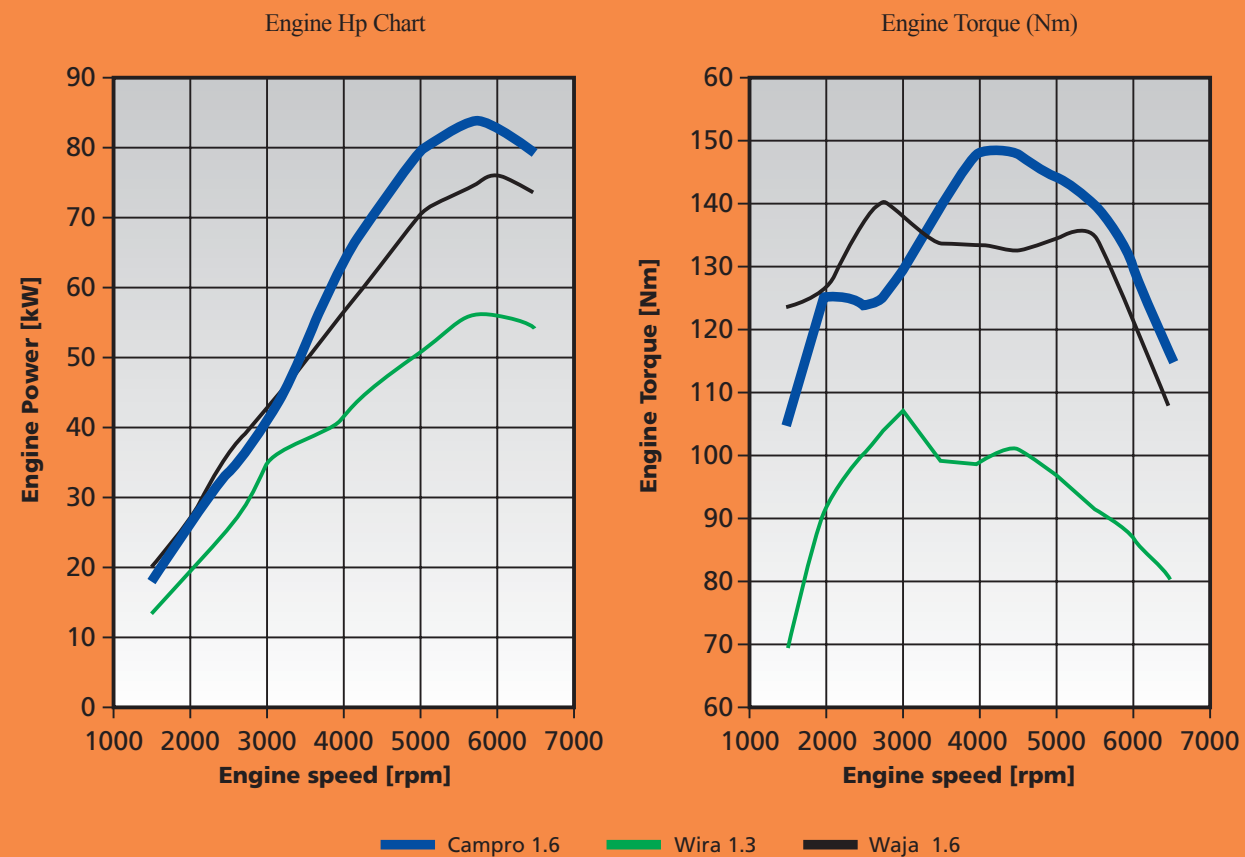
GEN•2's enhanced Vehicle Dynamics offer improved cruising and ride performance over all three areas of Ride & Handling:

Steering

Handling

Ride Comfort





Rest assured: you'll enjoy world-class build quality from every GEN•2. They're manufactured exclusively in Proton's state-of-the-art, high-efficiency engineering facility in Tanjung Malim.

Its automated robotic assembly line delivers improved quality assurance via computerised quality control systems for Automated Line Control (ALC) and Error Proofing Systems (EPS).

ASTONISHINGLY AERODYNAMIC



8 > Wing Mirror

Aerodynamically designed for minimal wind resistance, and with full-colour outer shell to match your paintwork, it also folds neatly out of the way in a pinch.



ASTONISHINGLY ATTRACTIVE

5

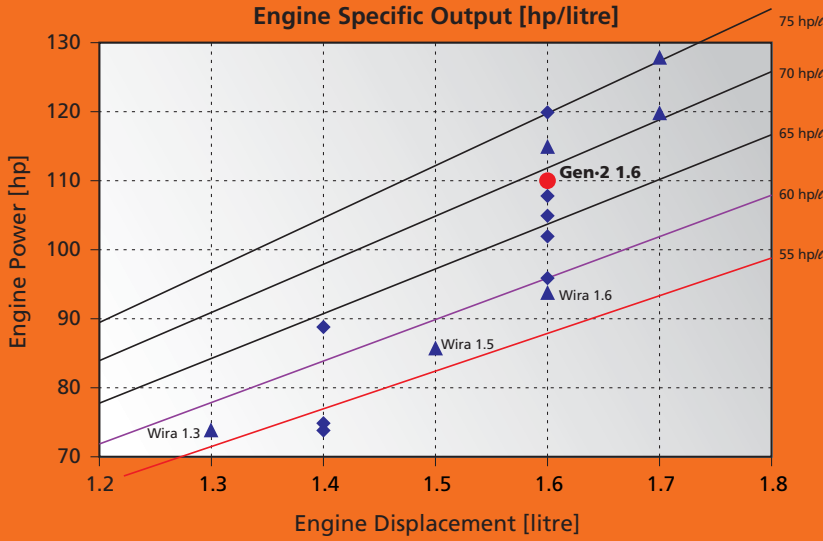
POWERTRAIN

The smooth, powerful efficiency of the Campro engine coupled with further enhancement of our legendary ride & handling makes the GEN•2 a true winner on the road; bringing a new dimension to driving pleasure. A bi-fuel NGV version will also be introduced.

25 > The CAMPRO Engine

Proton’s very own engine, featuring everything the Malaysian driver asked for: high power and performance; yet with low fuel consumption and low maintenance costs. It combines class-leading power and torque with low engine vibration for a smooth drive and luxurious ride comfort.

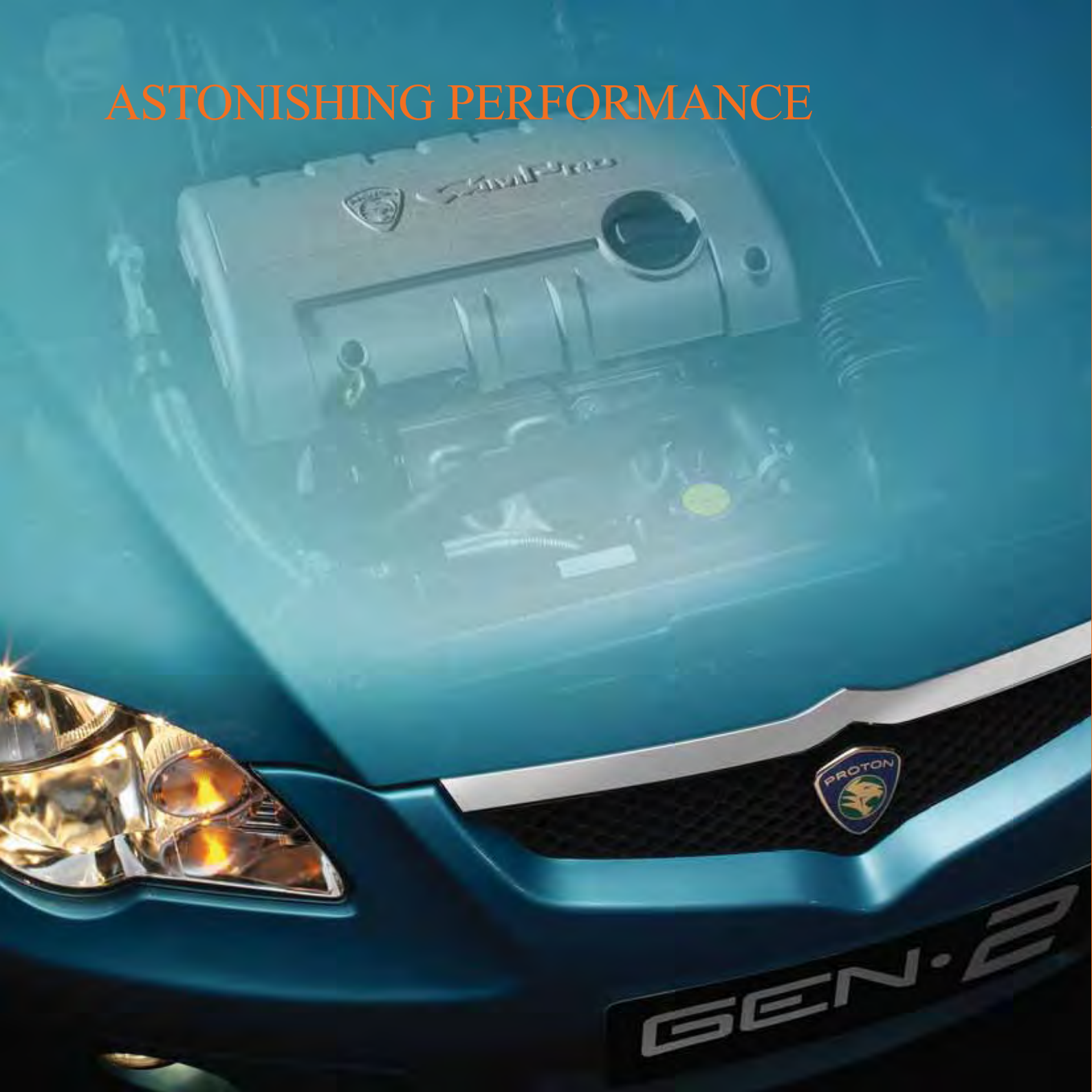
DESIGNED FOR	BENEFIT TO CUSTOMER
• Class leading power & torque output at 110hp (82kW) & 148Nm (1.6L); • Low engine vibration • Designed for long life (250,000km) • Meets Euro-3 & Euro-4 exhaust emission regulations	• High RPM performance for sporty, aggressive ride • Smooth drive and luxurious ride • No major overhaul for next 10 years • Clean, environment-friendly engine



See how the CAMPRO performs against these competitors:

Light and compact, the Campro is a DOHC which outclasses most of its competitors in the 1.6 category.

ASTONISHING PERFORMANCE



3

REAR

Sleekly contoured surfaces draw your eye along clean, sweeping panels; echoing front design as smooth surfaces converge seamlessly upon the centrepiece: a Proton badge you'll be proud to own.

9 > Distinctive Design

Smoothly sculpted, the sleek boot lid with its organic curves creates a rear that's modelled to draw admiration.

10 > Wraparound Rear Light Cluster & High-Mounted 3rd Brake Light

Clearly visible from any angle, the dramatic, integrated reflex reflectors, brake lamps and turning signals offer improved light distribution for optimum night visibility. The high-mounted 3rd brake light gives better visibility.

11 > Chrome Finish Exhaust

More than just gleaming chrome, the technology of the exhaust system surpasses EURO-3 exhaust emission standards.

12 > Spacious Luggage Area

In spite of the shorter rear overhang, the GEN-2 achieves the same large 0.41m³ storage capacity of the Waja. You can even double the luggage area by folding the rear seats flat.



4

INTERIOR

ASTONISHING AMBIANCE

True to its race-car heritage, the GEN-2’s spacious interior showcases bold race-car simplicity and minimalism, with retro-futuristic influences. Creating exhilarating race-car ambiance without compromising comfort, the pleasant interior living space is sound-insulated for superior cabin quietness.

13 > Space Age Centre Console

Control at your fingertips. Set into the centre console is an exclusive electronic access panel, custom designed by Blaupunkt for the GEN-2.

14 > Radically Stylish Design

Forecasting a trend towards true sport minimalism; the generous width of the open-shelf, race-type compartment allows a more spacious storage area.

15 > Meter Cluster with Digital Display

Ruby red backlights give striking visibility in dark conditions, and the twin hooded instrumentation panel ensures clear visibility of the LED displays in all lighting conditions.



> a



> b



> c

The bold meter display cluster includes a new digital display with

useful statistics:
a > **Average Fuel Consumption** to help you optimise fuel consumption in either fuel-economy or power-drive modes. At a constant 90km/h, 1.6 M/T fuel consumption can be as low as 5.8L/100km. (For other models refer Technical Specifications table)
b > **Distance To Empty** indicates distance available with remaining fuel, to help you plan ahead to the next refuelling stop
c > **Journey Time Tracker** showing the time in hours and minutes (hh:mm) since ignition.

24 > Interior Space complies to Society of Automotive Engineers (SAE) Standards.

The interior space is designed to comfortably accommodate the greater majority of the population, and conforms to international SAE ergonomic standards on required passenger space, based on SAE global posture statistics.

MAJOR DIMENSIONS VS. COMPETITORS

	GEN-2	WAJA	WIRA Aeroback	Competitor A	Competitor C
Front Legroom (mm)	920	930	930	842	885
Rear Legroom (mm)	760	785	725	840	840
Front Headroom (mm)	910	905	890	947	910
Rear Headroom (mm)	840	850	835	835	865
Cargo Volume (L)	415	415	340	530	410



Total available space will comfortably accommodate :

95% of occupants, of average size up to 6’ 2” in front seats

80% of occupants, of average size up to 5’ 9” in rear seats

50% of occupants, of average size up to 5’ 5” in rear centre seat



16 > Steering Wheel

Completely redesigned ergonomics with conveniently located thumb-rest audio control buttons. Steering delivers superb responsiveness and enhanced control via a total drive-by-wire system, the selfsame rapid response computer technology used in military fighter planes.



17 > Integrated Access Key

Embedded into the ignition key is the remote control for the central locking system, alarm system, and immobiliser. Complies to European regulations for anti-theft devices (EC 95/56)



18 > 12V Power Outlet

The centre console doubles as a handy recharge station, with a 12V power outlet.

19 > Power Windows

GEN•2's power windows exceeded international testing for durability, at almost double the necessary cycles of repetition. New design push-pull illuminated switches are even easier to use, with intuitive, directly-proportionate effort-to-window-movement operation.

20 > Handy Hidey Holds

Thoughtful details like the driver-side sunglasses holder and the capacious centre console box offer convenient storage solutions for quick access items.

21 > Door Trim

Durable, moulded door trim offers spacious pockets for additional handy storage, tucked neatly out of the way.

22 > Audio System

Set into the rear doors are the Blaupunkt surround speakers, for truly dimensional audio. The entire set-up is acoustically tuned for the GEN•2 interior space offering a tailored In-Car Communication & Entertainment (ICE) system with plug-n-play compatibility for video & telecommunications equipment: eg: VCD, mobile phone, internet, etc

23 > Seat Design

Modern, race-inspired front bucket seats provide sturdy lumbar support. Driver visibility is improved thanks to a raised front hip point. Rear seats fold flat, giving ample space for outsize items.





Perusahaan Otomobil
Nasional Berhad

(Company No: 100995-U)

HICOM Industrial Estate, Batu 3

P.O. Box 7100, 40918 Shah Alam,

Selangor Darul Ehsan, Malaysia.

Tel: +603-51911055 Fax: +603-51911252

Telex: PROTON MA 38545

www.proton.com