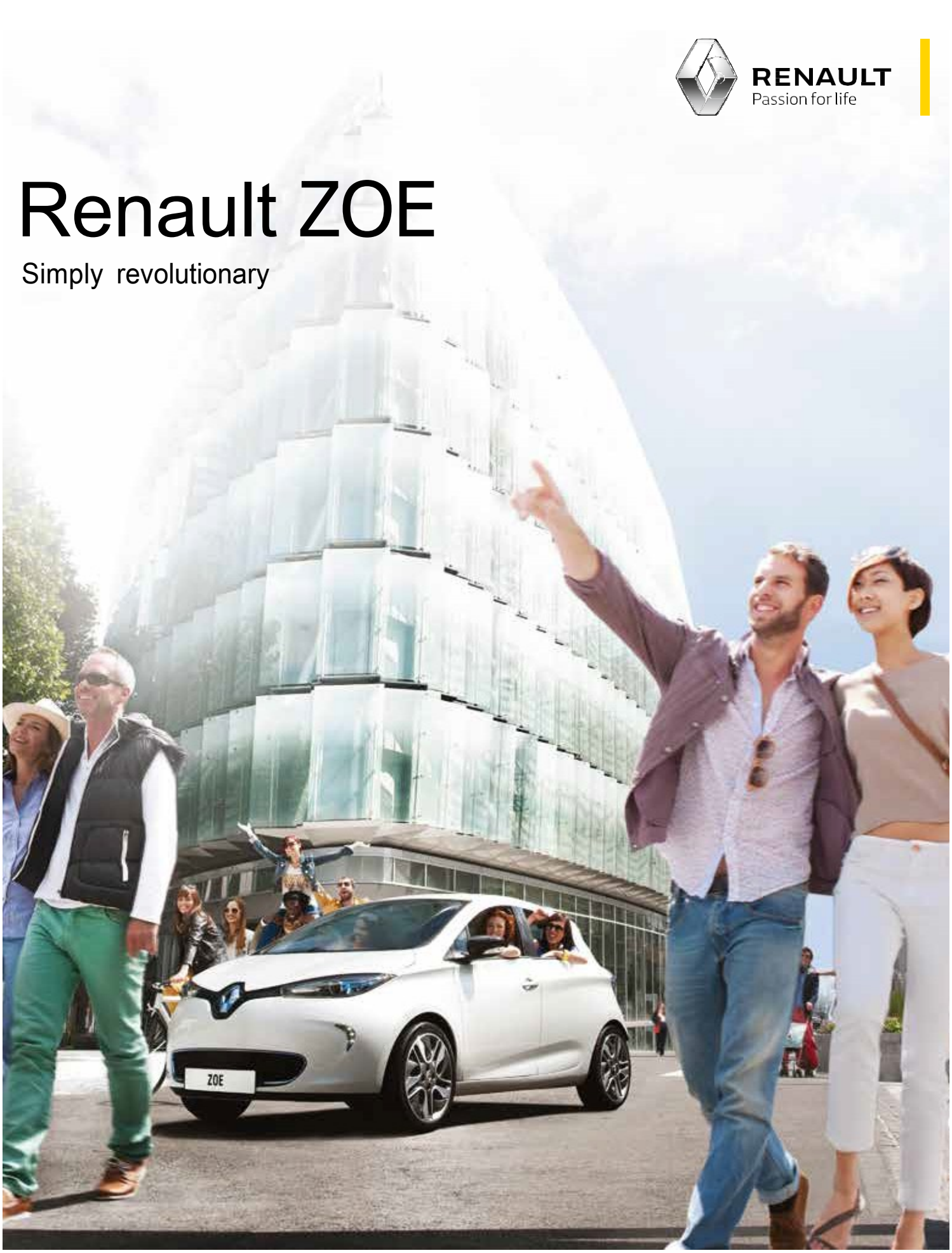
RENAULT
Passion for life

Renault ZOE

Simply revolutionary



Renault ZOE

Simply Revolutionary

With Renault ZOE, a new automotive era has begun. Tomorrow's technology taking care of you and the environment you live in today.

Imagine roads free of engine noise, with no CO_2 or NOx emissions whilst driving, a city where you can breathe more easily. Does that appeal to you?

With ZOE, rediscover the pleasure of motoring every morning: driving is a relaxed experience. A car that is clean on the outside and clean on the inside; one that you can communicate with remotely. No more queuing at petrol stations, you just have to plug it in. You save time and effort.

Dominique Lucas, Director, Electric Vehicle Range, Product Department

Life with Nav

Technology

ABS with EBD (Electronic Brake Distribution) and emergency brake assist
Carminat TomTom® navigation system
Chameleon™ charger allowing recharge between 60 mins and 9 hours
Charging cable (Type 2 Mode 3) with Z.E. bag
Climate control air conditioning with temperature and humidity sensors
Cruise control / speed limiter
Eco-mode with activation / deactivation button
Econometer, battery gauge, and integrated mileage counter
Electronic brake distribution (EBD)
Electronic stability control (ESC) with anti-skid regulation (ASR) and understeer control (CSV) Hill start assist
R.A.I.D. (Renault Anti Intruder Device) automatic door locking
Range OptimiZEr: Heat pump, bi-modal braking system and Michelin ENERGY™ E-V tyres
R-Link voice controlled 7" touchscreen multimedia device
Z.E. Voice (low speed pedestrian warning)

Interior

4 x 20W Classic radio with 2 front and 2 rear double cone speakers and single antenna
Expression upholstery
Front driver and passenger airbags
Front side body and head airbag for driver and passenger
Glovebox (7 litres)
Height adjustable 3-point front seatbelts with pretensioners
Height adjustable headrests on outer rear seats
ISOFIX fittings on outer rear seats and front passenger seat
Passenger airbag (can be deactivated to fit child seat)
Reach and height adjustable steering wheel
Three-point side rear seat belts with load limiters
Tyre repair kit
USB port, Jack, SD multimedia, Bluetooth® hands-free phone capability and voice control
Z.E. Pre-conditioning of interior temperature from inside vehicle (activate air con / heater whilst charging)

Exterior

Deadlocking
LED (Daytime Running Lights)
Black rear door handles with ZOE designer signature
Body coloured front door handles

Bi-halogen optical projector front headlights
Door mirrors electrically operated and heated

16" Michelin ENERGY™ E-V tyres with Aerotronic

Zen with Nav

Additional equipment to Life Nav

Technology

Rear parking sensors with rear parking camera
Hands-free key card

Interior

3D digital sound system by Arkamys™, enhanced radio reception, two woofers, two rear double-cone speakers, and two tweeters
Driver and passenger sun visors with courtesy mirror
Front and rear electric windows with driver one-touch anti-pinch mechanism
Leather steering wheel and gear knob
Rear pockets on the back of passenger seat
Dynamique upholstery

Exterior

17" Michelin ENERGY™ E-V tyres with Aerotronic
17" alloy wheels
Automatic wipers with rain sensors and automatic front lights

*Only available with Standard tyres for 17" alloy wheels (approx 10km reduction in NEDC range)

Zen Nav Rapid Charge

Additional equipment to Dynamique Nav

Currently not offered

	Life with Nav	Zen Nav
Range		
NEDC* (km):	250	240
Summer (km):	170	160
Winter km):	115	105
3kw	8-9 hours	8-9 hours
7kw	3-4 hours	3-4 hours
22kw (80%)	60 mins	60 mins
43kw (80%)	60 mins	60 mins

*NEDC: New European Driving Cycle, the European standard for emissions and consumption, is a method for measuring fuel consumption based on identical tests carried out on all types of vehicles in Europe, whether they are internal combustion, electric, or hybrid. It is therefore an objective test for comparing performance between models of various manufacturers but does not reflect real world range. There are two parts to the test. The vehicle is put on a roller bench and driven through the same urban cycle (cycle ECE-15) three times, followed by a single extra-urban cycle. The average of these four cycles gives the average NEDC range.

Colors

	Solid Non Metallic Paint	Metallic Renault I.d. Paint	Non Metallic Renault I.d. Paint
	Glacier White 369	Arctic White QNC	Iceberg Blue RPH
Life Nav	I	m	M
Zen Nav	I	m	M
Nav	I	m	m

Metallic Paints

	Calico Grey KNV	Neptune Grey KNR	Diamond Black GNE
Life Nav	-	m	-
Zen Nav	m	m	m
Nav	m	m	m

I = Standard (therefore no cost) m = Optional - = Not available.

Interiors and Upholstery

Life Nav

Zen Nav

Wheels

16''

17''

	Life Nav	Zen Nav
Aerotronic 16" alloy wheels	I	I
Tech Run 17" alloy wheels	-	I

I = Standard m = Optional - = Not available
*Only available with Standard tyres for 17" alloy wheels (approx 10 km reduction in NEDC range).

Renault ZOE

Style

We all want style in our lives, and ZOE turns heads wherever she's seen. The slimline headlights, swooping roofline, and hidden rear doors create a great first impression, even from a distance... but ZOE continues to impress up close. See how many neat little details you can spot around the car; from the cheeky 'dimples' to the designer's fingerprint, ZOE has just as much personality as you do.

Connect to your vehicle

Renault Media System

Wall-Box

Wall-Box installation - It's as simple as 1,2,3…

Renault will make preferred partner aware of your Wall-box application request

Charger (preferred partner to be arranged) will process your application and contact you, discuss your household electrics, and arrange an installation date with you

Charge station partner will send an installation engineer to carry out the installation, normally within 2 - 3 weeks from completion of your application

60 Patents:

What for?

So you can drive around in a car that gives you everything your current vehicle does, with more connectivity and style yet less hassle, noise and stress, and a best-in-class driving range. Let's take a closer look at the state-of-the-art technologies that allowed the ZOE to achieve a driving range of 250 km* on a single charge during its approval process.

ZOE is the first mass-produced electric vehicle with an NEDC* driving range of over 250 km**. But what does this figure mean? Just like any other vehicle approval process, it is performed under ideal driving conditions (no heating or air conditioning is used). The results allow a true comparison to the performance of the other electric vehicles. As is the case for internal combustion vehicles, speed, hills, driving style, and the use of heating or air-conditioning will all have an impact on the actual driving range. So for example, on a suburban road, you were driving your ZOE, these figures would increase to 115km in the winter season and 170 km in the warmer season. This is due to the increased efficiency of the new R240 motor available on ZOE Expression Nav and Zen Expression Nav.

*NEDC: New European Driving Cycle, the European standard for emissions and consumption, is a method for measuring fuel consumption based on identical tests carried out on all types of vehicles in Europe, whether they are internal combustion, electric, or hybrid. It is therefore an objective test for comparing performance between models of various manufacturers. There are two parts to the test. The vehicle is put on a roller bench and driven through the same urban cycle (cycle ECE-15) three times, followed by a single extra-urban cycle. The average of these four cycles gives the average NEDC range. Please see the technical specifications page for more details on range. **The official NEDC driving range is 250km with 16" wheels

The range optimizer system
This groups together three major innovations that make ZOE's performance possible. What are they?

• New-generation regenerative braking
The battery receives energy not only each time the car decelerates when the driver takes his/her foot off the accelerator but also, and this is what's new, when the driver presses the brake pedal.

• Heat pump
Rather than drawing on the battery, the 'reverse-air conditioning' system captures energy from the air to warm, or cool, the cabin. One single system that performs two functions!

• Michelin Energy™ E-V Tyres
Specially designed for Renault ZOE, they offer ultra-low resistance when driving. They have the same road handling and braking capacity as the Michelin tyres used on other vehicles.

Optimize the driving range with Renault ZOE
Renault ZOE offers you a wide range of measures to maximize your driving range.

• Pre-conditioning
This allows you to program the heating or air conditioning while ZOE is still charging. In this way the power used to create the ideal cabin temperature does not deplete the battery.

• Eco mode
The Eco button moderates air-conditioning or heating power and performance for greater driving range.

• Eco-driving tips
ZOE can help give you advice on how to make the most of the energy at your disposal.

1. Underfloor battery for maximum interior space and boot volume.
2. Only one third of the vehicle is glazed to make it more stylish and improve energy efficiency. 3. Space for five people. 4. 338 litres boot volume. 5. New-generation regenerative braking. 6. MICHELIN ENERGY™ E-V tyres. 7. Heat pump. 8. Chameleon™ charger: three possible charging modes using one single charger.

Think

Electric

We designed ZOE so that it is simple to use, a pleasure to drive, and easy for everyday life. For example, we've used less glass in the design to help the climate control work more efficiently. As for the underfloor battery, it lowers the center of gravity, which ensures good road handling and maximizes the interior space and the bootvolume.

The Chameleon™ Charger

ZOE is the first electric vehicle to be fitted with the Chameleon™ Charger patented by Renault. The Chameleon™ adapts to the various power levels available for charging. This innovation means Renault ZOE is compatible with standard charging (3 to 9h) and accelerated charging (80% in 1hr†).

The battery

Just like the other models in the Renault Z.E. Range, ZOE is fitted with a lithium-ion battery, offering great performance. It is very simple to charge, even when it is fully discharged. It can also be recycled at the end of its life.

- ZOE is environmentally friendly: no smell, very quiet, and zero g/km of CO_2 (while in use).‡
- ZOE maximizes recycling: 85% recyclable by mass and includes 9% recycled plastic (100% in the case of the battery).
- ZOE features an electric engine with a wound rotor putting out 65 kW or 87 hp.
- ZOE allows instant acceleration and pick-up even at low revs, thanks to the 220 Nm peak torque available at full force from just 250 rpm.

† Battery charged from a public charge point.

‡ Zero $C0_2$ emissions from the tailpipe.

Go Ultra Low

How it works - Full purchase

We offer the ZOE i which allows you to buy the vehicle and the battery.

No on-going monthly payments, just one simple payment.

Battery guarantee of 5 years / 100,000 km, whichever comes first, this includes the battery performance guarantee to at least 70% of its original capacity.

Roadside assistance, breakdown only.

Pricing ZOE i

MODEL	NETT PRICE ($)	GST 15%	TOTAL RRP ($)
ZOE Life Nav			
ZOE Zen Nav			
ZOE Nav Rapid Charge	N/A		

†Accessories pricing includes fitting ˆFor further information please refer to inside back cover

Dimensions

BOOT VOLUME (litres)	
Boot height under shelf	338
Boot with rear seat folded	1,225

DIMENSIONED DRAWING (mm)		
A	Wheelbase	2,588
B	Overall length	4,084
C	Front overhang	839
D	Rear overhang	657
E	Front track	1,511
F	Rear track	1,510
G	Overall width on moulding strips/with wing mirrors	1,730 / 1,945
H	Unladen height	1,562
H1	Unladen height with tailgate open	2,028
J	Unladen boot sill height	724
K	Ground clearance, laden	120
L	Cabin length	1,678
M	Front elbow width	1,384
M1	Rear elbow width	1,390
N	Front shoulder width	1,365
N1	Rear shoulder width	1,320
P	Front headroom at 14°	904
Q	Rear headroom at 14°	826
Y	Maximum boot entry width	941
Y1	Lower boot entry width	899
Y2	Interior width between wheel arches	1,037
Z	Boot opening height	685
Z1	Maximum loading length with rear bench seat folded	1,426
Z2	Height under shelf	622
Z3	Length of load behind seats	580

Technical Specifications

		LIFE NAV/ ZEN NAV
Approval types		AGVYA0
Number of seats		5
ENGINE		
Engine type		5AGEN3
Electric motor technology		Synchronous with rotor coil
EEC maximum power (kW/hp) / at maximum rpm		65(88) / 3,000 - 11,300
EEC peak torque (Nm) / at maximum rpm		220 / 250 - 2,500
BATTERY		
Technology		Lithium Ion
Total voltage		400
Number of modules / cells		12 / 192
On-board power (kWh)		22
Battery weight (kg)		290
CHARGING		
Chameleon™ Charger		Adaptable for single or three-phase power from 3 - 22 kW
Charging time	3 kW (single phase 16a charge point)	8-9hours
	7kW (single phase 32a found as domestic wall boxes or in public car parks)	3-4 hours
	22kW (3 phase 32a charge point found in public car parks)	60 mins (80%)
	43kW (3 phase 63a charge point found at motorway service stations)	60 mins (80%)
GEARBOX		
Gearbox type		Gearbox with single-speed reduction gear bar
Number of forward ratios		1
PERFORMANCE		
Top speed (mph)		84
0-30 mph - 0-62 mph		4-13.5
EEC FUEL CONSUMPTION Standard no. 93/116		
NEDC[1] driving range (miles)		149
Likely driving range in suburban driving: winter season / warmer season (miles)		71/106
Standardized consumption (Wh/km)		146
CO_2 (g/km)[3]		0
Urban / extra-urban / mixed conditions (L/km)[3]		0 / 0 / 0
STEERING		
Assisted		Yes (electric)
Turning circle between kerbs (m)		10.56
Number of steering wheel turns		2.73
AXLES		
Front/rear axle types		Pseudo McPherson / Torsion beam rear axle
Ø front/rear anti-roll bars (mm)		23 / 25
WHEELS AND TYRES		
Standard wheel rims (")		15" (Expression) ; 16" (Dynamique)
Tyre dimensions		MICHELIN ENERGY™ E-V tyres: 185 / 65 R15 and 195 / 55 R16
BRAKING		
Continental TEVES ABS		Yes
Emergency Brake Assist (EBA)		Yes
Electronic brake force distribution		Yes
ESP with UCL		Yes (+ASR)
Front: solid disc (SD), ventilated disc (VD) Ø (mm)		Ventilated disks, 258
Rear: drum (D), solid disc (SD), ventilated disc (VD) Ø (mm)		9" drum
Parking brake		Manual
AERODYNAMICS AND CAPACITY		
SCx		0.75
Fuel tank (L)		0
WEIGHT (kg)		
Unladen kerb weight		1,468
Unladen kerb weight on front / rear		871 / 597
Max. gross vehicle weight (GVW)		1,943
Within the max. allowable front/rear GVW		1,023 / 920
Payload (PL) (Expression model with no options / Dynamique Zen and Dynamique Intens with all options)		140 / 60
Max. braked / unbraked towing weight		Not allowed / Not allowed