

AIRPOD 2.0

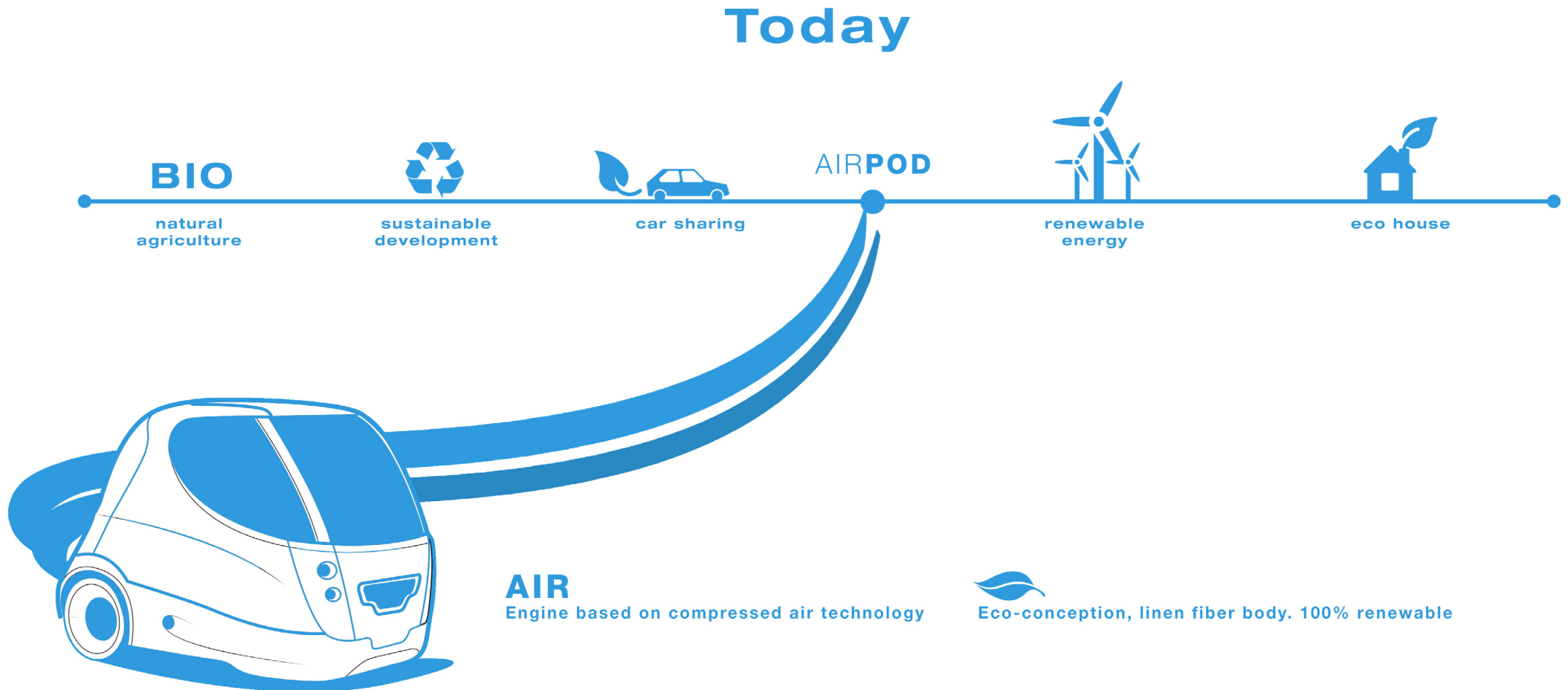
compressed air technology



Motor Development International

Sustainable **Evolution**

The awareness about the environment is global. Many business sectors are invested in environmental protection which implies changes in our lifestyle & the way we spend our money. MDI is active in both energy & transportation fields among other environmental solutions.



Observation

From motorisation to its external parts, the AirPod is the embodiment of sustainable development: a life cycle design with environmental issues in mind from cradle to grave.

Exterior Design

Characteristics



2 seats



617 lbs



45 mph or
28 mph unlicensed



132 gallons



75 to 92 miles

AIRPOD 2.0
STANDARD



Exterior Design

Characteristics

				
2 seats	617 lbs	45 mph or 28 mph unlicensed	132 gallons	75 to 92 miles

AIRPOD 2.0
STANDARD

132 gallons loading trunk

compressed air refueling



AIRPOD

Linen fiber composite material

LINEN TRANSFORMATION



MDI is working with the company [Texilis](#) in order to create linen fiber body panels. All in the AirPod is part of the sustainable development movement thanks to an eco-designed life cycle from manufacture to recycling.



AIRPOD 2.0
Urban Integration



AIRPOD

New Urban Mobility **X**perience...



AIRPOD

New Urban Mobility **X**perience...



AIRPOD

New Urban Mobility **X**perience...





AIRPOD
New Urban Mobility Xperience...

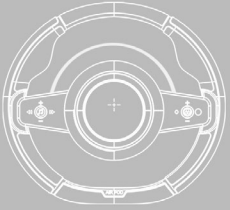
AirPod⁺
Fresh'Nest design



AirPod

Fresh'Nest design

- + Freshness style
- Security feeling
- Practical for the daily life



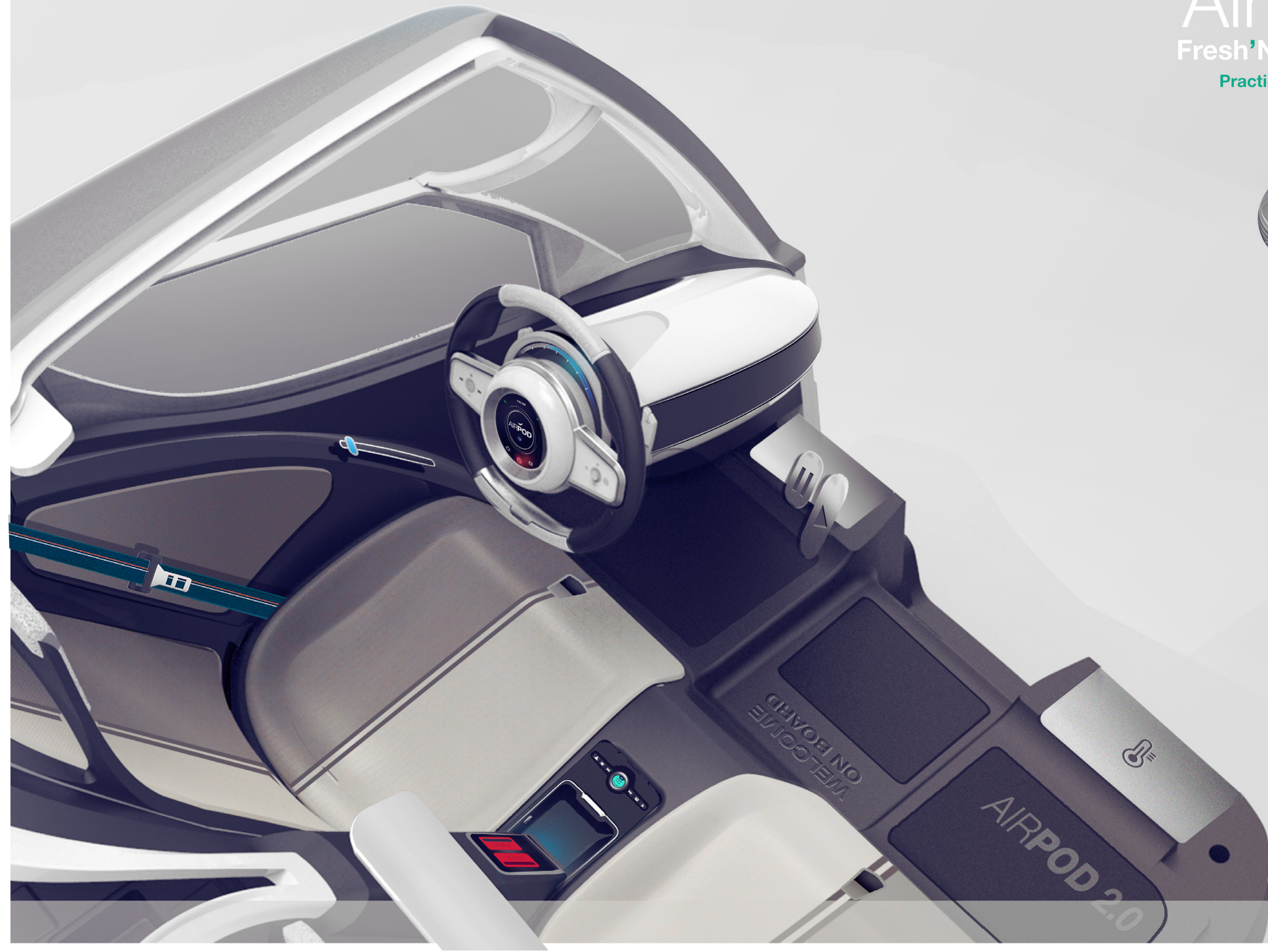
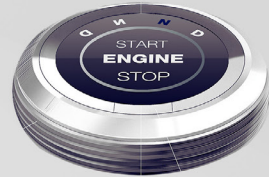
AirPod⁺

Fresh'Nest design

Practical for the daily life

Security feeling

Freshness style



Technical Design



2 seats



617 lbs



45 mph or
28 mph unlicensed



132 gallons

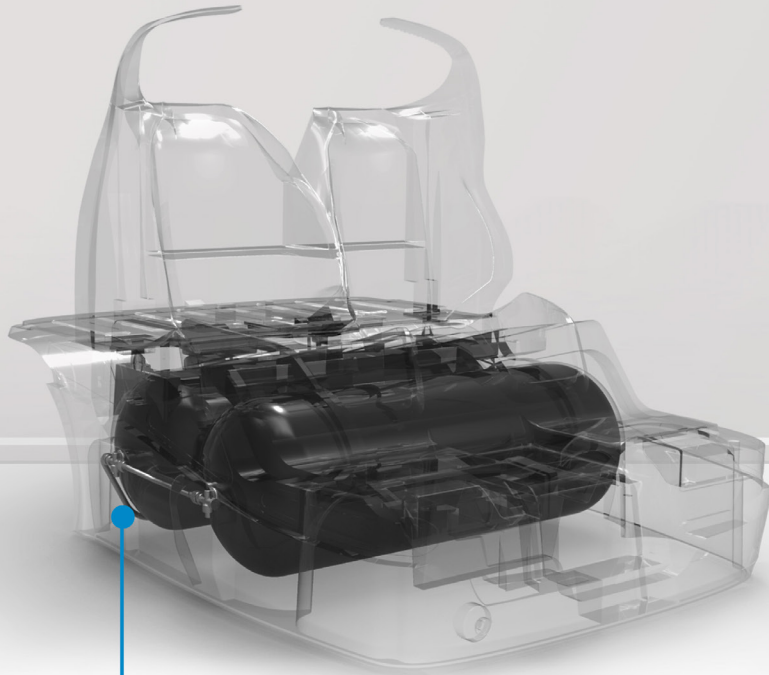
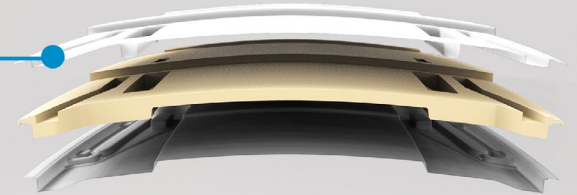


75 to 92 miles



ECO-DESIGN

FLAX FIBRE BODY DESIGN



COMPRESSED AIR

COMPRESSED AIR TANKS



INTEGRATION OF FUNCTIONS

LIGHT & RESISTANT UNIBODY CHASSIS



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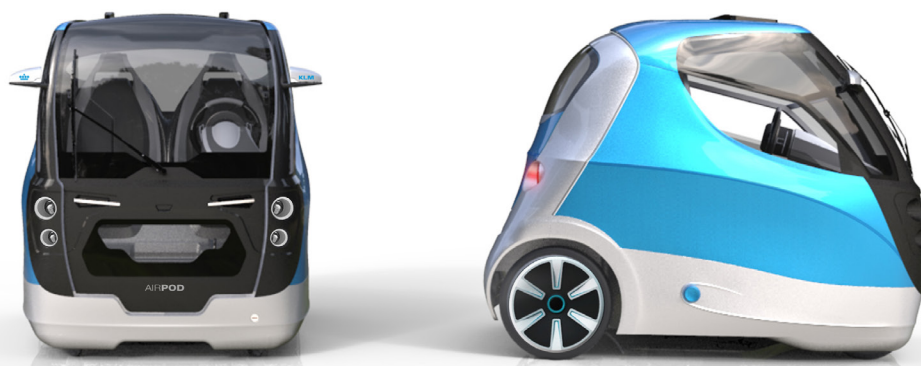
AIRPOD 2.0

TECHNICAL SPECS

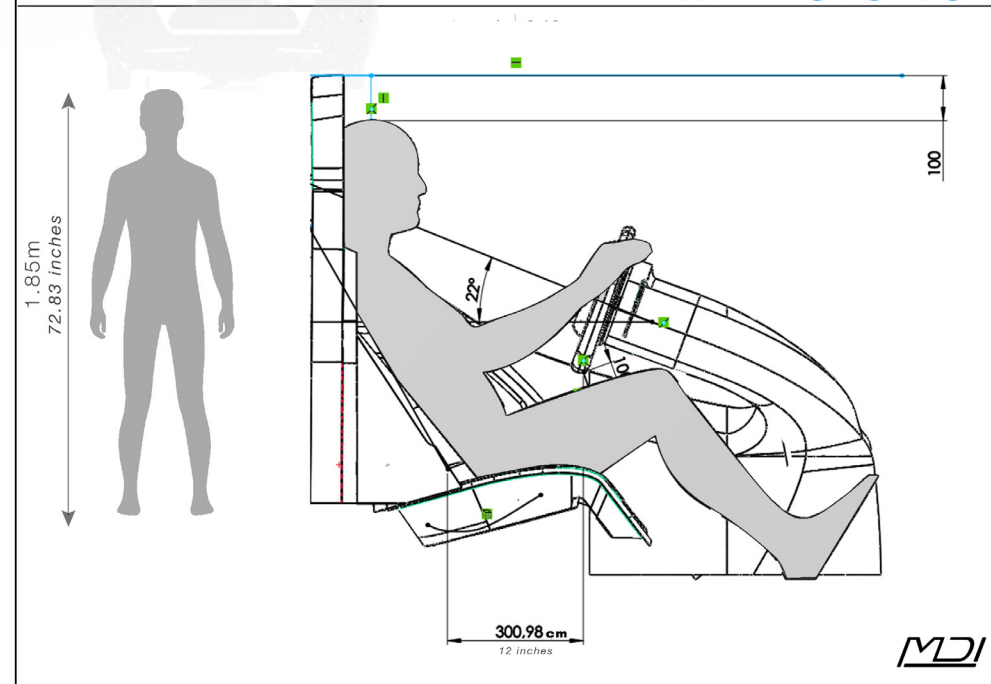
Type moteur - <i>Engine type</i>	Moteur réversible à air comprimé, 2 cylindres en ligne chacun équipés de chambre active incluse, distribution variable, bloc moteur et culasse en aluminium - <i>Reversible compressed air engine, 2 cylinders in line each having an included active chamber, variable valve timing, crankcase and head in aluminium.</i>
Cylindrée - <i>Cylindrée</i>	430 cm ³
Puissance max. - à tr/min - <i>Max. power - @ rpm</i>	10.2 cv (7 kW)- 1500 tr/min
Couple max. Nm - à tr/min - <i>Max. torque - @ rpm</i>	45 Nm - de 250 à 1500 tr/min - <i>from 250 to 1500 rpm</i>
Transmission - <i>Transmission</i>	
Mode de transmission - <i>Transmission type</i>	Transmission aux roues arrière par boîte de vitesses, avec gestion électronique de récupération instantanée d'énergie cinétique en phase de décélération - <i>Transmission to rear wheels through Gearbox with an electronic management of a kinetic energy recover during deceleration phases</i>
Boîte de vitesses - <i>Gearbox</i>	Boîte automatique à commandes aux volant - <i>Automatic gearbox with paddle behind the steering wheel</i>
Châssis / direction - <i>Frame / steering</i>	
Châssis - <i>Frame and structure</i>	Base technique (sandwich composite fibre de verre / mousse polyuréthane) intégrant 30 fonctions (dont la structures des sièges) - <i>Technical basement (composites sandwich glass fibre / polyurethane foam) integrating 35 functions (i.e. seats structure)</i>
Type de véhicule - <i>vehicle type</i>	Quadricycle léger (L7e) - <i>Light quadricycle (L7e)</i>
Nombre de passagers - <i>Number of passengers</i>	2 passagers (face à la route) <i>2 seats (facing the road)</i>
Direction - <i>Direction</i>	A démultiplication mécanique – <i>With mechanical reduction</i>
Freins - <i>Brakes</i>	4 freins à disque - <i>4 discs brake</i>
Jantes - <i>Rims</i>	Av: 2.5 x 10 Ar: 15 x 3.5 Aluminium
Pneus - <i>Tires</i>	Av: 3.00 x10 Ar: 135/65 x 15
Réserves d'énergie - <i>Energy tank</i>	
Type - <i>Type</i>	Type IV liner thermoplastique et enroulement filamenteux de fibre de carbone - <i>Type IV, thermoplastic liner and carbon fibre wiring</i>
Volume/Pression - <i>Volume/Pressure</i>	2 x 125 litres / 248b 3594 psi
Selon directive CE - <i>Based on EC norm</i>	ECE R 110
Poids - <i>Weight</i>	
Poids à vide - <i>Kerb weight</i>	280 kg 617 lbs
Performances - <i>Performances</i>	
Vitesse maxi - <i>Vitesse maxi</i>	80 km/h 50 mph
Autonomie en cycle urbain - <i>Urban cycle range</i>	130 km (en cycle urbain) - 80.77 miles (urban cycle)
Autonomie maxi suivant utilisation - <i>Max range</i>	jusqu'à 150km - up to 93 miles depending on use

EXTERIOR DIMENSIONS

Length	83.83 inches
Width	59.05 inches
Height	66.92 inches
Wheel base	58.66 inches



INTERIOR DIMENSIONS





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c o m p r e s s e d a i r t e c h n o l o g y