



TRIS

FIAT
PROFESSIONAL

CHASSIS

TRIS

Build with durability in mind, TRIS features a robust and lightweight metal chassis designed for optimal performance and longevity. This robust chassis and suspension were tuned to ensure smooth ride and maximum stability as for modern electric vehicles.

STEERING

The handlebar steering mechanism is designed to deliver enhanced maneuverability, by optimizing control and benefit from a very compact turning radius.

Boasting a tight turning circle for only 3.05 meters TRIS is tailored to glide through congested traffic.

TRANSMISSION

The transmission is engineered for efficient and reliable performance, ideal for handling demanding conditions and climb of up to 16% slopes.

Transmission Type: Simple single-speed transmission, offering smooth and consistent power delivery.

Drive Mechanism: Direct-drive technology eliminate the need for a gearbox and clutch, reducing mechanical complexity, maintenance and enhancing energy efficiency.

BRAKING SYSTEM

TRIS employs a robust but braking system that incorporates regenerative braking technology to recover energy during deceleration, improving vehicle range.

Front and Rear Brake: Hydraulic robust and low maintenance drums with a mechanical brakes distribution system to reduce risk of blocking rear wheels when the vehicle is empty.

12" large wheels and tyres also tuned to improve braking performance.

Parking Brake: A mechanical lever parking brake offering a straightforward method to secure the vehicle when stationary.

SUSPENSION

The suspension is tailored for durability and comfort.

Front Suspension: Helical spring combined with a damper and hydraulic shock absorber, this setup effectively absorbs road irregularities for an enhanced stability on bad road conditions.

Rear Suspension: Rigid axle supported by Multiple leaf springs providing robustness and maintaining balance even when operating on challenging terrains.

Last but not least best in class wheelbase lenght and large rear axle are designed to provide stability .

TECHNICAL SPECIFICATIONS

TRIS

VARIANT	CHASSIS CAB	FLAT BED	PICKUP
Vehicle category	L5e-B	L5e-B	L5e-B
Number of seats	Driver only	Driver only	Driver only
POWERTRAIN & BATTERY			
Battery voltage, type		48 V, Lithium	
Battery capacity		6,9 kW	
Engine torque (peak)		45 Nm	
Power (nominal/peak)		5,7 kW / 9kW	
Transmission / Ratio		Single Speed / Direct Drive / 1:15	
POWERTRAIN & BATTERY			
Charger (on Board)	220 V / 1,6 kW	220 V / 1,6 kW	220 V / 1,6 kW
Chargingtime 0_100%	4h 40min	4h 40min	4h 40min
Chargingtime 0_80%	3h 30min	3h 30min	3h 30min
DIMENSIONS (mm)			
Length	3160	3160	3170
Width	1485	1485	1485
Height	1803	1803	1803
Wheelbase	2222	2222	2222
Rear Track	1260	1260	1260
Tray Internal dimension (LxWxH)		1595x1462	1530x1410x300
Gound clearance	120	120	120
WEIGHTS			
Gross Vehicle Weight GVW	1025 kg	1025 kg	1025 kg
Kerb Weight	408 kg	444 kg	516 kg
Payload	540 kg	506 kg	434 kg
PERFORMANCE			
Max Speed	45 km/h	45 km/h	45 km/h
Range WTMC	90 km	90 km	90 km
Gradeability full load	16%	16%	16%
Consumption (kW/100km)	8,6 kW	8,6 kW	8,6 kW
CHASSIS & SUSPENSION			
Front fork		Helical sprig with damper & Hydraulic shock absorber	
Rear		Rigid axle with leafspring	
Steering		Handlerbar	
Turning radius	3.05 m	3.05 m	3.05 m
Braking		Hydraulic drums	
Parking brake		Mechanical lever type	
Tyres		130 / 80 R12 90F	
Rust protection		Zinc coating chassis metallic parts	
FEATURES			
Digital cluster 5,7"	S	S	S
Driver 3 point safety belt	S	S	S
Regenerative braking	S	S	S
Wiper & washer tank	S	S	S
Front & rear led light	S	S	S
12V socket	S	S	S
4.5m cable lenght / 220V board charger	S	S	S
Rear hoocks (8)	-	S	S
3 drop down sides	-	-	S
Reverse buzzer	O	O	S
Closed glove box	O	O	S
USB port	O	O	S
Spare wheel + tool	O	O	O

CHASSIS CAB



VARIANT

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Transmission / Ratio	Single speed / Direct drive / 1:15

CHARGER & CHARGING

Charger (on board)	220 V / 1,6 kW
Charger time 0_100%	4h 40min
Charger time 0_80%	3h 30min
Domestic plug	220 V
Cable lenght	4.5 m

DIMENSIONS (mm)

Lenght	3160
Width	1485
Height	1803
Wheelbase	2222
Rear track	1260
Tray Internal dimension (LxWxH)	-
Ground clearance	120

WEIGHTS

Gross vehicle weight GVW	1025 kg
Kerb weight	408 kg
Payload	540 kg

PERFORMANCE

Max speed	45 km/h
Range WTMC	90 km
Gradeability	16%
Consumption (kW / 100 km)	8,6 kW

CHASSIS & SUSPENSION

Front fork	Helical spring with damper & hydraulic shock absorber
Rear	Rigid axle with leafsprings
Steering	Handelbar
Turning radius	3.50 m
Braking	Hydraulic drums
Parking brake	Mechanical lever type
Tyres	130 / 80 R12 90F
Chassis rust protection	Zinc coating

FEATURES

Digital cluster 5,7'	S
Driver 3 point safety belt	S
Regenerative braking	S
Wiper & washer tank	S
Front & rear led light	S
12V socket	S
4.5m cable length charger 220 V	S
Rear hooks (8)	-
3 drop down sides	-
Reverse buzzer	O
Lockable glove box	O
USB port	O
Spare wheel + tool	O

FLAT BED



VARIANT

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Steering	Handelbar
Turning radius	3.05 m
Braking	Hydraulic drums
Parking brake	Mechanical lever type
Tyres	130 / 80 R12 90F
Chassis rust protection	Zinc coating

FEATURES

Digital cluster 5,7'	S
Driver 3 point safety belt	S
Regenerative braking	S
Wiper & washer tank	S
Front & rear led light	S
12V socket	S
4.5m cable length charger 220 V	S
Rear hooks (8)	S
3 drop down sides	-
Reverse buzzer	O
Lockable glove box	O
USB port	O
Spare wheel + tool	O

PICK UP



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FEATURES

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Driver 3 point safety belt	S
Regenerative braking	S
Wiper & washer tank	S
Front & rear led light	S
12V socket	S
4.5m cable length charger 220 V	S
Rear hooks (8)	S
3 drop down sides	S
Reverse buzzer	S
Closed glove box	S
USB port	S
Spare wheel + tool	O

EXTERIORS

ITEMS	COLOR	GRAIN
Body colors	Corallo	P209
	Black FXT	P209
Chassis metal	Painted Black Orbital FXK-K150	-
Mirrors	Painted Black Orbital FXK-K150	-
Wheels	Painted Black Orbital XFK	-
Mud guard	Black Orbital FXK	-
Logo	FWD White Matte	P176



1530x1410x300



INTERIORS

ITEMS	COLOR	GRAIN
Vinyl (seats)	Black	-
Metal sheet	Black	-
Int plastic (IP/cover)	Black PT831	P209
Rubber	Black PT831	-
Comodo	Black Orbital FXK	B11
Logo	FWD White Matte	P176

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