

TECHNICAL DATA

- DE Technische Daten für das Segment Tour
- FR Caractéristiques techniques pour le segment Tour
- IT Dati tecnici per il segmento Tour
- EN Technical data for the Tour segment
- NL Technische gegevens voor het Tour-segment

DE
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SERIES

G1 Gotour EL
G1 Gotour
G2 Gotour
G1 Gotour6
G1 Gotour3
G3 Tandem

IMPRESSUM / LEGAL DISCLOSURE

Verantwortlich für Inhalt und Abbildungen

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1 Eigengewicht, Zulassungen & Gewichtsobergrenzen



Wichtig: Das tatsächliche Eigengewicht Ihres E-Bikes hängt von Rahmentyp, -grösse und Ausstattung ab, Die hier angegebenen Gewichte wurden ohne Akku ermittelt, Das ausstattungs-spezifische Eigengewicht für Pedelecs ist auf dem an Pedelecs angebrachten Typenschild angegeben,



Wichtig: Das zulässige Gesamtgewicht beinhaltet das Eigengewicht des E-Bikes (mit Akku) sowie das Gewicht von Fahrer, Gepäck und Anhänger (mit Zuladung), Die angegebenen Gesamtgewichte dürfen in keinem Fall überschritten werden, dies kann zum Versagen der Bauteile führen,

Modellreihe	Eigen-gewicht	max, zulässiges Gesamtgewicht ¹	max, Anhängerlast ²	Kindersitz auf Gepäckträger ²	max, Gepäck-trägerlast ²
G1 Gotour EL	30 kg	150 kg	40 kg	nicht zugelassen	25 kg
G1 Gotour	32kg	150kg	40kg	ja ²	27 kg
G2 Gotour	34 kg	150 kg	40 kg	ja ²	27 kg
G1 Gotour6	30 kg	150 kg	40 kg	nicht zugelassen	25 kg
G1 Gotour3	33 kg	180 kg	60 kg	ja ²	27 kg
G3 Tandem	41 kg	250 kg	60 kg	nicht zugelassen	25 kg

Tabelle 1: Eigengewicht, Zulassungen & Gewichtsobergrenzen der verschiedenen E-Bike-Modellreihen

- 1 Maximal zulässiges Gesamtgewicht: Eigengewicht E-Bike (inkl, Akku) + Fahrer + Gepäck + Anhänger (inkl, Ladung),
- 2 High-Speed-Modelle (HS) sind nicht für die Verwendung mit Anhänger zugelassen, Bei Verwendung eines Anhängers reduziert sich die maximale Belastbarkeit des Gepäckträgers und des maximalen Systemgewichts um die maximale Hinterbau-Stützlast von 8 kg,

2 Elektrisches Antriebssystem



Wichtig: Sie finden zusätzliche Technische Daten zu den Komponenten Ihres E-Antriebs in der Herstelleranleitung für Ihr Elektrisches Antriebssystem,³

2.1 Panasonic Antrieb

2.1.1 Panasonic Mittelmotor

Angabe / Beschreibung	Motor						
	GX Force Pro FIT	GX Force Pro Coaster FIT	GX Power Plus	GX Power Plus Coaster	GX Ultimate	GX Ultimate Eco FIT	GX Ultimate Pro FIT
Tretunter- stützung bis (in km/h)	25	25	25	25	25/45	25	25/45
Nenndauer- leistung (in Watt)	250	250	250	250	250	250	250
Max, Output (in Watt 70 RPM)	450	450	450	450	600	600	600
Max, Dreh- moment (in Nm)							
• Neben- schaltung Nexus	75	75	75	75	75	75	75
• übrige Neben- und Ketten- schaltungen	75	75	75	75	90	–	95
Unter- stützungs- stufen (in %)							
• ECO	70	70	70	70	70	70	70
• Standard	150	150	150	150	150	150	150
• HIGH	300	300	300	300	300	300	300
• AUTO	70–300	70–300	70–300	70–300	70–300	70–300	70–300
Max, Unter- stützung (in %)	300	300	300	300	300	300	300
Gewicht (in kg)	3,2	3,2	3,2	3,2	2,9	2,9	2,9
Verbaut in Modell	G1 Upstreet	G1 Upstreet	G2 Upstreet5, G1 Gotour3	G2 Upstreet5	G1 Up- street3, G2 Up- street5	G1 Upstreet	G3 Uproc2, G1 Uproc X, G2 Goroc2, G1 Goroc X, G1 Upstreet

Tabelle 2: Angaben für Antriebssysteme mit Panasonic Mittelmotor

³ In der Herstelleranleitung zu Ihrem Elektrischen Antriebssystem finden Sie insbesondere Angaben zu Betriebs- und Lagertemperaturen von Akku und Ladegerät, zu Anschlussbuchsen am Display inkl. deren Kapazitäten etc,

2.1.2 FLYER Akkus

Angabe / Beschreibung	Akku		
	FLYER Seat Tube Battery STB-630	FLYER Smart Integrated Battery SIB-630	FLYER Smart Integrated Battery SIB-750
Kapazität (in Wh)	630	630	750
Energiegehalt mind. (in Ah)	16,75	16,75	20,10
Spannung (in V)	36	36	36
Gewicht (in kg)	3,8	3,7	4,3
Masse L×B×H (in mm)	286×146×111	425×101×105	425×107×115
Verbaut in Modell	G1 Gotour3	G2 Upstreet5	G1 Upstreet3

Tabelle 3: Angaben für FLYER Akkus in Verwendung mit Panasonic Mittelmotoren

2.1.3 FLYER Ladegeräte

Angabe / Beschreibung	Ladegerät	
	FLYER Charger 4 A 36 V	FLYER Fast Charger 6 A 36 V
Akku-Kompatibilität (inkl. Ladedauer)	FLYER Smart Integrated Battery SIB-630 (5,7 h), FLYER Seat Tube Battery STB-630 (5,7 h)	FLYER Smart Integrated Battery SIB-750 (4,5 h), FLYER Seat Tube Battery STB-630 (3,8 h), FLYER Seat Tube Battery STB-750 (4,5 h)
Max. Ausgangsleistung (in W)	168	252
Spannung Ladegerät (in V)	36	36
Max. Ladestrom (in A)	4	6

Tabelle 4: Angaben für FLYER Ladegeräte in Verwendung mit FLYER Akkus

2.1.4 FIT Akkus

Angabe / Beschreibung	Akku		
	FIB-630 36 V FIT	FIB-750 36 V FIT	Range-Extender RE-540 36 V FIT ⁴
Kapazität (in Wh)	630	750	540
Energiegehalt mind. (in Ah)	17,5	20,1	14,7
Spannung (in V)	36	36	36
Gewicht (in kg)	3,7	4,3	3,3
Masse L×B×H (in mm)	392×84×77	461×84×77	309×108×87
Verbaut in Modell	G1 Goroc X, G1 Uproc X, G1 Upstreet	G1 Uproc X, G1 Goroc X, G3 Uproc2, G2 Goroc2, G1 Upstreet	G1 Goroc X, G1 Upstreet

Tabelle 5: Angaben für FIT Akkus in Verwendung mit Panasonic Mittelmotoren

⁴ Die Zusatzakkus können via Fachhandel und Onlinedienste bestellt werden.

2.1.5 FIT Ladegeräte

Angabe/ Beschreibung	Ladegerät	
	FIT Charger 4 A 36 V ⁵	FIT Fast Charger 6 A 36 V
Akku-Kompatibilität (inkl. Ladedauer)	FIB-630 36 V FIT (5,7 h)	FIT RE-540 36 V (3,3h), FIB-630 36 V FIT (3,8h), FIB-750 36 V FIT (4,5h)
Max. Ausgangsleistung (in W)	168	252
Spannung Ladegerät (in V)	36	36
Max. Ladestrom (in A)	4	6

Tabelle 6: Angaben für FIT Ladegeräte in Verwendung mit FIT Akkus

2.2 Bosch Antrieb

2.2.1 Bosch Mittelmotor

Angabe/ Beschreibung	Motor				
	Smart System Performance Line BDU336Y	Smart System Performance Line CX BDU0374Y	Smart System Performance Line CX BDU384Y	Smart System Performance Line CX Race BDU376Y	Smart System Performance Line SX BDU314Y
Tretunterstützung bis (in km/h)	25	25	25	25	25
Nenndauerleistung (in Watt)	250	250	250	250	250
Max. Output (in Watt 70RPM)	550	550	550	600	600
Max. Drehmoment (in Nm)					
• Nabenschaltung Nexus	75	–	85	–	–
• übrige Neben- und Kettenschaltungen	75	85	85	85	55
Unterstützungsstufen (in %)					
• ECO	60	60	60	60	60
• TOUR	140	140	140	140	140
• TOUR+	60–340	60–340	60–340	60–340	60–340
• AUTO	Adaptiv bis max. 340	Dynamisch Adaptiv bis max. 340	Dynamisch Adaptiv bis max. 340	Adaptiv bis max. 340	Adaptiv bis max. 340
• SPRINT	–	–	–	–	60–280
• SPORT	240	240	240	240	240
• eMTB	140–340	140–340	140–340	140–340	140–340
• TURBO	340	340	340	340	340
• RACE	–	–	–	400	–
Max. Unterstützung (in %)	340	340	340	400	340
Gewicht (in kg)	3,2	2,9	2,85	2,75	2,05
Verbaut in Modell	G1 Gotour G1 Gotour EL	G1 Gotour G2 Uproc X G1 Uproc EVO:X	G2 Gotour G2 Uproc EVO:X G2 Goroc X	G1 Uproc EVO:X	G1 Uproc SL:X G1 Upstreet SL

Tabelle 7: Angaben für Antriebssysteme mit Bosch Mittelmotor 1/2

Angabe/ Beschreibung	Motor		
	Active Line Plus BDU350	Performance Line BDU365	Performance Cargo Line CX BDU450
Tretunterstützung bis (in km/h)	25	25	25
Nenndauerleistung (in Watt)	250	250	250
Max. Output (in Watt 70RPM)	365	440	600
Max. Drehmoment (in Nm)			
• Nabenschaltung Nexus	50	60	–
• übrige Naben- und Kettenschaltungen	–	65	85
Unterstützungsstufen (in %)			
• ECO	55	55	60
• TOUR	115	120	140
• SPORT	185	200	240
• TURBO	270	300	400
Max. Unterstützung (in %)	270	300	400
Gewicht (in kg)	3,2	3,2	2,9
Verbaut in Modell	G1 Upstreet1, G1 Upstreet2, G1 Gotour6	G1 Upstreet1, G1 Upstreet2, G1 Gotour6	G3 Tandem

Tabelle 8: Angaben für Antriebssysteme mit Bosch Mittelmotor 2/2

2.2.2 Bosch Akkus

Angabe/ Beschreibung	Akku						
	Smart System Bosch PowerTube 800	Smart System Bosch PowerTube 750	Smart Sys- tem Bosch PowerTube 625	Bosch PowerTube 625	Bosch PowerTube 500	Smart System Bosch Compact- Tube 400	Smart System Bosch Compact- Tube 400
Kapazität (in Wh)	800	750	625	625	500	400	250
Energiegehalt mind. (in Ah)	22,2	20,1	16,7	16,7	13,4	11,0	6,7
Spannung (in V)	36	36	36	36	36	36	36
Gewicht (in kg)	3,9	4,3	3,6	3,5	2,9	2,0	1,6
Masse LxBxH (in mm)	430×81×75	484×84×65	415×84×65	416×84×65	349×84×65	352×74×57	218×79×88
Verbaut in Modell	G2 Goroc X G2 Gotour G2 Uproc EVO:X	G1 Uproc EVO:X G2 Uproc X G1 Gotour	G1 Gotour EL, G1 Uproc EVO:X, G2 Uproc X	G1 Gotour6 G3 Tandem	G1 Gotour6 G1 Ups- treet2 G1 Ups- treet1	G1 Uproc SL:X G1 Ups- treet SL	G2 Uproc X G1 Uproc SL:X G2 Uproc EVO:X G1 Upstreet SL

Tabelle 9: Angaben für Bosch Akkus in Verwendung mit Bosch Mittelmotoren

2.2.3 Bosch Ladegeräte

Angabe / Beschreibung	Ladegerät		
	Bosch Standard Charger 4A BES2	Bosch Fast Charger 6A BES2	Bosch Standard Charger 4A Smart System
Akku-Kompatibilität (inkl. Ladedauer)	Bosch PowerTube 500 (4,5 h), Bosch PowerTube 625 (4,9 h)	Bosch PowerT- ube 625 (3,7 h)	Bosch PowerMore 250 (3,2 h) Bosch CompactTube 400 (3,5 h) Bosch PowerTube 625 (4,9 h) Bosch PowerTube 750 (6 h) Bosch PowerTube 800 (6,9 h)
Max. Ausgangsleistung (in W)	198	290	177
Spannung Ladegerät (in V)	36	36	36
Max. Ladestrom (in A)	4	6	4

Tabelle 10: Angaben für Bosch Ladegeräte in Verwendung mit Bosch Akkus

2.3 Pinion Antrieb

2.3.1 Pinion Mittelmotor

Angabe / Beschreibung	Motor		
	E.1.12	E.1.12S	E1.9
Tretunterstützung bis (in km/h)	25	45	25
Nenndauerleistung (in Watt)	250	250	250
Max. Output (in Watt 70RPM)	600	800	600
Max. Drehmoment (in Nm)	Ca. 85 ⁶	Ca. 85 ⁶	Ca. 85 ⁶
Unterstützungsstufen (in %)			
• ECO	60	60	60
• FLOW	120	120	120
• FLEX	180	180	180
• FLY	400	400	400
Max. Unterstützung (in %)	400	400	400
Gewicht (in kg)	4,1 (including Gear- box)	4,1 (including Gearbox)	4,0 (including Gearbox)
Verbaut in Modell	G1 Goroc TR:X G1 Upstreet TR:CF	G1 Goroc TR:X G1 Upstreet TR:CF	G1 Goroc TR

6 Vergleichbares, virtuelles Drehmoment (Nm) umgerechnet auf eine 1:1 Übersetzung von MGU Eingangswelle zu Ausgangswelle.

2.3.2 FIT Akkus

Angabe/ Beschreibung	Akku		
	FIT TP-800 48V	FIT TP-700 48V	FIT RE-535 48V ⁷
Kapazität (in Wh)	800	700	535
Energiegehalt mind. (in Ah)	16,9	15	11,2
Spannung (in V)	48	48	48
Gewicht (in kg)	3,8	4,0	2,8
Masse L×B×H (in mm)	422.5 × 74.6 × 69.9	414×83,2×80,01	309×108×87
Verbaut in Modell	G1 Goroc TR	G1 Goroc TR:X G1 Upstreet TR:CF	G1 Goroc TR:X G1 Upstreet TR:CF

2.3.3 FIT Ladegerät

Angabe/ Beschreibung	Ladegerät
	48V 5A Pinion FIT
Akku-Kompatibilität (inkl. Ladedauer)	TP 800 48V FIT, 4,4 h TP 700 48V FIT, 4,3 h RE 535 48 V FIT, 3,3 h
Max. Ausgangsleistung (in W)	260
Spannung Ladegerät (in V)	48
Max. Ladestrom (in A)	5

⁷ Die Zusatzakkus können via Fachhandel und Onlinedienste bestellt werden

3 Drehmomente

3.1 Lenker & Vorbau

E-Bike-Modell	Drehmoment je Bauteil (in Nm)									
	Lenkergriffe	Bremshebel	Schalthebel	Display-Halter	Remote Display	Remote Sattelstütze	Lenker auf Vorbau	Vorbau auf Gabelschaft	Speedlifter auf Gabelschaft	Winkelverstellung Vorbau
G1 Gotour 5.43	3	6–8	2–2,5	2,5–3	1,5	–	5	5	5–6	–
G1 Gotour 5.43R	3	6–8	2–2,5	2,5–3	1,5	–	5	5	5–6	–
G1 Gotour 7.10	3	6–8	2,5–3,5	1	1,5	–	5	5	–	6
G1 Gotour 7.10 ABS	3	4	2,5–3,5	1	1,5	–	5	5	–	6
G1 Gotour 7.10 SE	3	6–8	2,5–3,5	1	1,5	–	5	5	–	6
G1 Gotour 7.12 XC	3	6–8	2,5–3,5	1	1,5	–	5	5	–	6
G1 Gotour 7.12 XC ABS	3	4	2,5–3,5	1	1,5	–	5	5	–	6
G1 Gotour 7.23	3	6–8	3	1	1,5	–	5	5	–	6
G1 Gotour 7.23 Auto	3	6–8	–	1	1,5	–	5	5	–	6
G1 Gotour 5.12 CX	3	5–7	2,5–3,5	1	1,5	–	5	5	–	–
G1 Gotour 5.23 CX	3	5–7	3	1	1,5	–	5	5	–	–
G1 Gotour 5.43 Comfort CX	3	6–8	2–2,5	1	1,5	–	5–6	5–6	1. 9–10 2. 2–3	–
G1 Gotour 5.43 Comfort NL CX	3	6–8	2–2,5	1	1,5	–	5–6	5–6	1. 9–10 2. 2–3	–
G1 Gotour 5.43 CX	3	6–8	2–2,5	1	1,5	–	5	5	–	–
G2 Gotour 5.10	3	6–8	2,5–3,5	2,5–3	0,6	–	5–6	9–10	–	–
G2 Gotour 7.10	3	6–8	2,5–3,5	1	0,6	–	5	5	–	6
G2 Gotour 7.12 XC	3	6–8	2,5–3,5	1	0,6	–	5	5	–	6
G2 Gotour 7.23	3	6–8	2,5–3,5	1	0,6	–	5	5	–	6
G2 Gotour 7.43	3	6–8	2,5–3,5	1	0,6	–	5	5	–	–
G2 Gotour 7.43 RN	3	6–8	2,5–3,5	1	0,6	–	5	5	–	–
G2 Gotour 7.43 R	3	6–8	2,5–3,5	1	0,6	–	5	5	–	–
G1 Gotour EL 3.12 XC	3	6–8	2,5–3,5	2,5–3	0,6	–	5–6	9–10	–	14–15
G1 Gotour EL 3.20	3	6–8	2,5–3,5	2,5–3	0,6	–	5–6	9–10	–	14–15
G1 Gotour EL 3.40	3	6–8	2–2,5	2,5–3	0,6	–	5–6	9–10	–	14–15
G1 Gotour3 7.43	3	4	2–2,5	1	1	–	5–6	9–10	–	11
G1 Gotour6 3.10	3	6–8	5	1	1	–	5–6	9–10	–	–
G1 Gotour6 3.40	3	6–8	2–2,5	1	1	–	5–6	9–10	–	–
G1 Gotour6 3.41R	3	6–8	2–2,5	1	1	–	5–6	9–10	–	–
G1 Gotour6 5.20	3	6–8	2–2,5	1	1	–	6	11	5–6	11
G1 Gotour6 5.40	3	6–8	2–2,5	1	1	–	6	11	5–6	11
G1 Gotour6 5.41R	3	6–8	2–2,5	1	1	–	6	11	5–6	11
G3 Tandem 7.70	3	6–8	3	1	1	–	6	11	–	11
G3 Tandem 7.83	3	6–8	1	1	1	–	6	11	5–6	11

Tabelle 11: Drehmomente für den Lenker & damit verbundene Komponenten

3.2 Sattel & Hinterbau

E-Bike-Modell	Drehmoment je Bauteil (in Nm)				
	Sattelgestell	Sattelstützen- Klemme	Dämpfer oben	Dämpfer unten	Rockerverrohrung
G1 Gotour 5.43	12	–	–	–	–
G1 Gotour 5.43R	12	–	–	–	–
G1 Gotour 7.10	9–10	–	–	–	–
G1 Gotour 7.10 ABS	9–10	–	–	–	–
G1 Gotour 7.10 SE	9–10	–	–	–	–
G1 Gotour 7.12 XC	9–10	–	–	–	–
G1 Gotour 7.12 XC ABS	9–10	–	–	–	–
G1 Gotour 7.23	9–10	–	–	–	–
G1 Gotour 7.23 Auto	9–10	–	–	–	–
G1 Gotour 5.12 CX	12	–	–	–	–
G1 Gotour 5.23 CX	12	–	–	–	–
G1 Gotour 5.43 Comfort CX	12	–	–	–	–
G1 Gotour 5.43 Comfort NL CX	12	–	–	–	–
G1 Gotour 5.43 CX	12	–	–	–	–
G2 Gotour 5.10	12	–	–	–	–
G2 Gotour 7.10	9–10	–	–	–	–
G2 Gotour 7.12 XC	9–10	–	–	–	–
G2 Gotour 7.23	9–10	–	–	–	–
G2 Gotour 7.43	9–10	–	–	–	–
G2 Gotour 7.43 RN	9–10	–	–	–	–
G2 Gotour 7.43 R	9–10	–	–	–	–
G1 Gotour EL 3.12 XC	9	–	–	–	–
G1 Gotour EL 3.20	9	–	–	–	–
G1 Gotour EL 3.40	9–10	–	–	–	–
G1 Gotour3 7.43	12–14	6–8	–	–	–
G1 Gotour6 3.10	17–19	6–8	–	–	–
G1 Gotour6 3.40	17–19	6–8	–	–	–
G1 Gotour6 3.41R	17–19	6–8	–	–	–
G1 Gotour6 5.20	17–19	6–8	–	–	–
G1 Gotour6 5.40	17–19	6–8	–	–	–
G1 Gotour6 5.41R	17–19	6–8	–	–	–
G3 Tandem 7.70	8–13	6–8	–	–	–
G3 Tandem 7.83	8–13	6–8	–	–	–

Tabelle 12: Drehmomente für den Sattel & den Hinterbau

3.3 Antriebskomponenten

E-Bike-Modell	Drehmoment je Bauteil (in Nm)										
	Motor-schrauben	Riemenspanner	Platte auf Motor	Kettenblatt-schrauben/Riemenscheibe	Kurbel	Pedale	Akkualterung	Akkuschiene	Akkuschloss	Wechsel/Kettenspanner	Riemen-dämpfer (Snubber)
G1 Gotour 5.43	28–30	–	–	25–30	45–55	34	4–6	–	4–6	–	–
G1 Gotour 5.43R	28–30	–	–	25–30	45–55	34	4–6	–	4–6	–	–
G1 Gotour 7.10	20–22	–	10	25–30	45–55	34	4–6	–	4–6	8–10	–
G1 Gotour 7.10 ABS	20–22	–	10	25–30	45–55	34	4–6	–	4–6	8–10	–
G1 Gotour 7.10 SE	20–22	–	10	25–30	45–55	34	4–6	–	4–6	8–10	–
G1 Gotour 7.12 XC	20–22	–	10	25–30	45–55	34	4–6	–	4–6	8–10	–
G1 Gotour 7.12 XC ABS	20–22	–	10	25–30	45–55	34	4–6	–	4–6	8–10	–
G1 Gotour 7.23	20–22	–	10	25–30	45–55	34	4–6	–	4–6	–	–
G1 Gotour 7.23 Auto	20–22	–	10	25–30	45–55	34	4–6	–	4–6	–	–
G1 Gotour 5.12 CX	20–22	–	10	25–30	45–55	34	4–6	–	4–6	8–10	–
G1 Gotour 5.23 CX	20–22	–	10	25–30	45–55	34	4–6	–	4–6	–	–
G1 Gotour 5.43 Comfort CX	20–22	–	10	25–30	45–55	34	4–6	–	4–6	–	–
G1 Gotour 5.43 Comfort NL CX	20–22	–	10	25–30	45–55	34	4–6	–	4–6	–	–
G1 Gotour 5.43 CX	20–22	–	10	25–30	45–55	34	4–6	–	4–6	–	–
G2 Gotour 5.10	30	–	20	25–30	45–55	34	–	4	3	8–10	–
G2 Gotour 7.10	30	–	20	25–30	45–55	34	–	4	3	8–10	–
G2 Gotour 7.12 XC	30	–	20	25–30	45–55	34	–	4	3	8–10	–
G2 Gotour 7.23	30	–	20	25–30	45–55	34	–	4	3	–	–
G2 Gotour 7.43	30	–	20	25–30	45–55	34	–	4	3	–	–
G2 Gotour 7.43 RN	30	–	20	25–30	45–55	34	–	4	3	–	–
G2 Gotour 7.43 R	TBD	–	20	25–30	45–55	34	–	4	3	–	–
G1 Gotour3 7.43	20–24	–	–	13	50	34	–	–	8–10	–	–
G1 Gotour6 3.10	28–30	–	9–11	25–30	45–55	34	4–6	–	4–6	8–10	–
G1 Gotour6 3.40	28–30	–	9–11	25–30	45–55	34	4–6	–	4–6	–	–
G1 Gotour6 3.41R	28–30	–	9–11	25–30	45–55	34	4–6	–	4–6	–	–
G1 Gotour6 5.20	28–30	–	9–11	30	45–55	34	4–6	–	4–6	8–10	–
G1 Gotour6 5.40	28–30	–	9–11	30	45–55	34	4–6	–	4–6	8–10	–
G1 Gotour6 5.41R	28–30	–	9–11	30	45–55	34	4–6	–	4–6	8–10	–
G3 Tandem 7.70	28–30	–	9–11	30	45–55	34	4–6	–	4–6	8–10	–
G3 Tandem 7.83	28–30	–	9–11	30	45–55	34	4–6	–	4–6	–	–
G1 Gotour EL 3.12 XC	28–30	–	13–15	25–30	45–55	34	–	4	3	8–10	–
G1 Gotour EL 3.20	28–30	–	13–15	25–30	45–55	34	–	4	3	8–10	–
G1 Gotour EL 3.40	28–30	–	13–15	25–30	45–55	34	–	4	3	8–10	–

Tabelle 13: Drehmomente für Antriebskomponenten

3.4 Laufräder & Bremsen

E-Bike-Modell	Drehmoment je Bauteil (in Nm)					
	Radmuttern/ Steckachse Hinterrad	Steckachse Vorderrad	Bremssattel Scheiben- bremse	Kassette/ Hintere Riemenscheibe	Speed Sensor	Magnet
G1 Gotour 5.43	30–45	8–10	6–8	–	–	–
G1 Gotour 5.43R	30–45	8–10	6–8	–	–	–
G1 Gotour 7.10	–	8–10	6–8	30–50	–	–
G1 Gotour 7.10 ABS	–	8–10	6	30–50	–	–
G1 Gotour 7.10 SE	–	8–10	6–8	30–50	–	–
G1 Gotour 7.12 XC	–	8–10	6–8	30–50	–	–
G1 Gotour 7.12 XC ABS	–	8–10	6	30–50	–	–
G1 Gotour 7.23	30–40	8–10	6–8	–	–	–
G1 Gotour 7.23 Auto	30–40	8–10	6–8	–	–	–
G1 Gotour 5.12 CX	–	8–10	5–7	30–50	–	–
G1 Gotour 5.23 CX	30–40	8–10	5–7	–	–	–
G1 Gotour 5.43 Comfort CX	30–45	8–10	6–8	–	–	–
G1 Gotour 5.43 Comfort NL CX	30–45	8–10	6–8	–	–	–
G1 Gotour 5.43 CX	30–45	8–10	6–8	–	–	–
G2 Gotour 5.10	–	8–10	6–8	30–50	3	–
G2 Gotour 7.10	–	8–10	6–8	30–50	3	–
G2 Gotour 7.12 XC	–	8–10	6–8	30–50	3	–
G2 Gotour 7.23	30–40	8–10	6–8	–	3	–
G2 Gotour 7.43	30–45	8–10	6–8	–	3	–
G2 Gotour 7.43 RN	30–45	8–10	6–8	–	3	–
G2 Gotour 7.43 R	30–45	8–10	6–8	–	3	–
G1 Gotour6 3.40	30–45	21–26	6–8	–	3	1
G1 Gotour6 3.41R	30–45	21–26	6–8	–	3	1
G1 Gotour6 5.20	30–45	21–26	6–8	30–50	3	1
G1 Gotour6 5.40	30–45	21–26	6–8	30–50	3	1
G1 Gotour6 5.41R	–	21–26	6–8	30–50	3	1
G1 Gotour EL 3.12 XC	–	–	6–8	30–50	–	–
G1 Gotour EL 3.20	30–40	–	6–8	–	–	–
G1 Gotour EL 3.40	30–45	–	6–8	–	–	–
G3 Tandem 7.70	–	10	6–8	30–50	3	1
G3 Tandem 7.83	–	10	6–8	–	3	1

Tabelle 14: Drehmomente für die Laufräder & damit verbundene Komponenten

TECHNICAL DATA

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1 Poids propre, homologations et limites supérieures de poids

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i Important : le poids propre effectif de votre vélo électrique dépend du type et de la taille de son cadre ainsi que de son équipement. Les poids indiqués ici ont été déterminés sans les batteries. Le poids propre spécifique à votre Pedelec en fonction de son équipement est indiqué sur la plaque signalétique du Pedelec.

i Important : le poids total admissible comprend le poids propre du vélo électrique (avec batterie) auquel s'ajoute le poids du cycliste, des bagages et de la remorque (avec sa charge). Les poids totaux indiqués ne doivent en aucun cas être dépassés sans quoi cela pourrait entraîner la défaillance de composants.

Série	Poids propre	Poids total max. admiss. ¹	Charge tractable max. ²	Siège enfant sur le porte-bagages ²	Capacité de charge max. du porte-bagages ²
G1 Gotour EL	30 kg	150 kg	40 kg	non homologué	25 kg
G1 Gotour	32 kg	150 kg	40 kg	oui ²	27 kg
G2 Gotour	34 kg	150 kg	40 kg	ja ²	27 kg
G1 Gotour6	30 kg	150 kg	40 kg	non homologué	25 kg
G1 Gotour3	33 kg	180 kg	60 kg	oui ²	27 kg
G3 Tandem	41 kg	250 kg	60 kg	non homologué	25 kg

Tableau 1 : Poids propre, homologations et limites supérieures de poids des différentes séries de vélos électriques

1 Poids total maximal admissible : Poids propre du vélo électrique (avec batterie) + cycliste + bagages + remorque (avec charge).

2 Les modèles High Speed (HS) ne sont pas homologués pour une utilisation avec une remorque. En cas d'utilisation d'une remorque, la capacité de charge maximale du porte-bagages et du poids de système maximum est réduite de 8 kg, poids correspondant à la charge d'appui maximale du triangle arrière.

2 Système d'entraînement électrique



Important : le mode d'emploi du fabricant de votre système d'entraînement électrique complète les caractéristiques techniques se rapportant aux composants de votre système de motorisation.³

2.1 Entraînement Panasonic

2.1.1 Moteur central Panasonic

Informations / Description	Moteur						
	GX Force Pro FIT	GX Force Pro Coaster FIT	GX Power Plus	GX Power Plus Coaster	GX Ultimate	GX Ultimate Eco FIT	GX Ultimate Pro FIT
Assistance au pédalage jusqu'à (en km/h)	25	25	25	25	25/45	25	25/45
Puissance nominale continue (en Watt)	250	250	250	250	250	250	250
Sortie max. (en Watt 70 t/min)	450	450	450	450	600	600	600
Couple max. (en Nm)							
• Dérailleur à moyen Nexus	75	75	75	75	75	75	75
• Autres dérailleurs et moyeux	75	75	75	75	90	–	95
Niveaux d'assistance (en %)							
• ECO	70	70	70	70	70	70	70
• Standard	150	150	150	150	150	150	150
• HIGH (supérieur)	300	300	300	300	300	300	300
• AUTO (automatique)	70–300	70–300	70–300	70–300	70–300	70–300	70–300
Assistance max. (en %)	300	300	300	300	300	300	300
Poids (en kg)	3,2	3,2	3,2	3,2	2,9	2,9	2,9
Intégré au modèle	G1 Upstreet	G1 Upstreet	G2 Upstreet5, G1 Gotour3	G2 Upstreet5	G1 Upstreet3, G2 Upstreet5	G1 Upstreet	G3 Uprocc2, G1 Uprocc X, G2 Goroc2, G1 Goroc X, G1 Upstreet

Tableau 2 : Indications se rapportant aux systèmes d'entraînement avec moteur central Panasonic

³ Vous trouverez dans le mode d'emploi du fabricant de votre système d'entraînement électrique des informations spécifiques sur les températures de stockage et de service de la batterie et du chargeur, sur les douilles de raccordement à l'écran avec leurs capacités respectives, etc.

2.1.2 Batteries FLYER

Informations / Description	Batterie		
	FLYER Seat Tube Battery STB-630	FLYER Smart Integrated Battery SIB-630	FLYER Smart Integrated Battery SIB-750
Capacité (en Wh)	630	630	750
Capacité min. (en Ah)	16,75	16,75	20,10
Tension (en V)	36	36	36
Poids (en kg)	3,8	3,7	4,3
Dimensions L x l x H (en mm)	286×146×111	425×101×105	425×107×115
Intégré au modèle	G1 Gotour3	G2 Upstreet5	G1 Upstreet3

Tableau 3 : Indications se rapportant aux batteries FLYER utilisées avec des moteurs centraux Panasonic

2.1.3 Chargeurs FLYER

Informations / Description	Chargeur	
	FLYER Charger 4 A 36 V	FLYER Fast Charger 6 A 36 V
Compatibilité avec les batteries (avec temps de charge)	FLYER Smart Integrated Battery SIB-630 (5,7 h), FLYER Seat Tube Battery STB-630 (5,7 h)	FLYER Smart Integrated Battery SIB-750 (4,5 h), FLYER Seat Tube Battery STB-630 (3,8 h), FLYER Seat Tube Battery STB-750 (4,5 h)
Puissance de sortie max. (en W)	168	252
Tension chargeur (en V)	36	36
Courant de charge max. (en A)	4	6

Tableau 4 : Indications se rapportant aux chargeurs FLYER utilisés avec des batteries FLYER

2.1.4 Batteries FIT

Informations / Description	Batterie		
	FIB-630 36 V FIT	FIB-750 36 V FIT	Prolongateur d'autonomie RE-540 36 V FIT ⁴
Capacité (en Wh)	630	750	540
Capacité min. (en Ah)	17,5	20,1	14,7
Tension (en V)	36	36	36
Poids (en kg)	3,7	4,3	3,3
Dimensions L x l x H (en mm)	392×84×77	461×84×77	309×108×87
Intégré au modèle	G1 Goroc X, G1 Uproc X, G1 Upstreet	G1 Uproc X, G1 Goroc X, G3 Uproc2, G2 Goroc2, G1 Upstreet	G1 Goroc X, G1 Upstreet

Tableau 5 : Indications se rapportant aux batteries FIT utilisées avec des moteurs centraux Panasonic

4 Les secondes batteries sont disponibles auprès des revendeurs spécialisés et peuvent être commandées en ligne.

2.1.5 Chargeurs FIT

Informations / Description	Chargeur	
	FIT Charger 4 A 36 V ⁵	FIT Fast Charger 6 A 36 V
Compatibilité avec les batteries (avec temps de charge)	FIB-630 36 V FIT (5,7 h)	FIT RE-540 36 V (3,3 h), FIB-630 36 V FIT (3,8 h), FIB-750 36 V FIT (4,5 h)
Puissance de sortie max. (en W)	168	252
Tension chargeur (en V)	36	36
Courant de charge max. (en A)	4	6

Tableau 6 : Indications se rapportant aux chargeurs FIT utilisés avec des batteries FIT

2.2 Entraînement Bosch

2.2.1 Moteur central Bosch

Informations / Description	Moteur				
	Smart System Performance Line BDU336Y	Smart System Performance Line CX BDU0374Y	Smart System Performance Line CX BDU384Y	Smart System Performance Line CX Race BDU376Y	Smart System Performance Line SX BDU314Y
Assistance au pédalage jusqu'à (en km/h)	25	25	25	25	25
Puissance nominale continue (en Watt)	250	250	250	250	250
Sortie max. (en Watt 70t/min)	550	550	550	600	600
Couple max. (en Nm)					
• Dérailleur à moyen Nexus	75	85	85	–	–
• Autres dérailleurs et moyeux	75	85	85	85	55
Niveaux d'assistance (en %)					
• ECO	60	60	60	60	60
• TOUR	140	140	140	140	140
• TOUR+	60–340	60–340	60–340	60–340	60–340
• AUTO	Adaptatif jusqu'à max. 340	Dynamique Adaptatif jusqu'à max. 340	Dynamique Adaptatif jusqu'à max. 340	Adaptatif jusqu'à max. 340	Adaptatif jusqu'à max. 340
• SPRINT	–	–	–	–	60–280
• SPORT	240	240	240	240	240
• eMTB	140–340	140–340	140–340	140–340	140–340
• TURBO	340	340	340	340	340
• RACE	–	–	–	400	340
Assistance max. (en %)	340	340	340	400	340
Poids (en kg)	3,2	2,9	2,85	2,75	2,05
Intégré au modèle	G1 Gotour G1 Gotour EL	G1 Gotour G2 Uproc X G1 Uproc EVO:X	G2 Gotour G2 Uproc EVO:X G2 Goroc X	G1 Uproc EVO:X	G1 Uproc SL:X G1 Upstreet SL

Tablelle 7 : Indications se rapportant aux systèmes d'entraînement avec moteur central Bosch 1/2

Informations / Description	Moteur		
	Active Line Plus BDU350	Performance Line BDU365	Performance Cargo Line CX BDU450
Assistance au pédalage jusqu'à (en km/h)	25	25	25
Puissance nominale continue (en Watt)	250	250	250
Sortie max. (en Watt 70t/min)	365	440	600
Couple max. (en Nm)			
• Dérailleur à moyeu Nexus	50	60	–
• Autres dérailleurs et moyeux	–	65	85
Niveaux d'assistance (en %)			
• ECO	55	55	60
• TOUR	115	120	140
• SPORT	185	200	240
• TURBO	270	300	400
Assistance max. (en %)	270	300	400
Poids (en kg)	3,2	3,2	2,9
Intégré au modèle	G1 Upstreet1, G1 Upstreet2, G1 Gotour6	G1 Upstreet1, G1 Upstreet2, G1 Gotour6	G3 Tandem

Tableau 8 : Indications se rapportant aux systèmes d'entraînement avec moteur central Bosch 2/2

2.2.2 Batteries Bosch

Informations / Description	Batterie						
	Smart System Bosch PowerTube 800	Smart System Bosch PowerTube 750	Smart System Bosch PowerTube 625	Bosch PowerTube 625	Bosch PowerTube 500	Smart System Bosch CompactTube 400	Smart System Bosch CompactTube 400
Capacité (en Wh)	800	750	625	625	500	400	250
Capacité min. (en Ah)	22,2	20,1	16,7	16,7	13,4	11,0	6,7
Tension (en V)	36	36	36	36	36	36	36
Poids (en kg)	3,9	4,3	3,6	3,5	2,9	2,0	1,6
Dimensions L x l x H (en mm)	430×81×75	484 × 84 × 65	415 × 84 × 65	415 × 84 × 65	349 × 84 × 65	352 × 74 × 57	218 × 79 × 88
Intégré au modèle	G2 Goroc X G2 Gotour G2 Uproc EVO:X	G1 Uproc EVO:X G2 Uproc X G1 Gotour	G1 Gotour EL, G1 Uproc EVO:X, G2 Uproc X	G1 Gotour6 G3 Tandem	G1 Gotour6 G1 Upstreet2 G1 Upstreet1	G1 Uproc SL:X G1 Upstreet SL	G2 Uproc X G1 Uproc SL:X G2 Uproc EVO:X G1 Upstreet SL

Tableau 9 : Indications se rapportant aux batteries Bosch utilisées avec des moteurs centraux Bosch

2.2.3 Chargeurs Bosch

Informations / Description	Chargeur		
	Bosch Standard Charger 4A BES2	Bosch Fast Charger 6A BES2	Bosch Standard Charger 4A Smart System
Compatibilité avec les batteries (avec temps de charge)	Bosch PowerTube 500 (4,5 h), Bosch PowerTube 625 (4,9 h)	Bosch PowerTube 625 (3,7 h)	Bosch PowerMore 250 (3,2 h) Bosch CompactTube 400 (3,5 h) Bosch PowerTube 625 (4,9 h) Bosch PowerTube 750 (6 h) Bosch PowerTube 800 (6,9 h)
Puissance de sortie max. (en W)	198	290	177
Tension chargeur (en V)	36	36	36
Courant de charge max. (en A)	4	6	4

Tableau 10 : Indications se rapportant aux chargeurs Bosch utilisés avec des batteries Bosch

2.3 Entraînement Pinion

2.3.1 Moteur central Pinion

Informations / Description	Moteur		
	E.1.12	E.1.12S	E.1.9
Assistance au pédalage jusqu'à (en km/h)	25	45	25
Puissance nominale continue (en Watt)	250	250	250
Sortie max. (en Watt 70t/min)	600	800	600
Couple max. (en Nm)	Ca. 85 ⁶	Ca. 85 ⁶	Ca. 85 ⁶
Niveaux d'assistance (en %)			
• ECO	60	60	60
• FLOW	120	120	120
• FLEX	180	180	180
• FLY	400	400	400
Assistance max. (en %)	400	400	400
Poids (en kg)	4,1 (including Gearbox)	4,1 (including Gearbox)	4.0 (including Gearbox)
Intégré au modèle	G1 Goroc TR:X G1 Upstreet TR:CF	G1 Goroc TR:X G1 Upstreet TR:CF	G1 Goroc TR

⁶ Couple virtuel comparable (Nm) converti en un rapport 1:1 arbre d'entrée / arbre de sortie MGU.

2.3.2 Batteries FIT

Informations / Description	Batterie		
	FIT TP-800 48V	FIT TP-700 48V	FIT RE-535 48V ⁷
Capacité (en Wh)	800	700	535
Capacité min. (en Ah)	16.9	15	11,2
Tension (en V)	48	48	48
Poids (en kg)	3.8	4,0	2,8
Dimensions L x l x H (en mm)	422.5 × 74.6 × 69.9	414×83,2×80,01	309×108×87
Intégré au modèle	G1 Goroc TR	G1 Goroc TR:X G1 Upstreet TR:CF	G1 Goroc TR:X G1 Upstreet TR:CF

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2.3.3 Chargeurs FIT

Informations / Description	Chargeur
	48V 5A Pinion FIT
Compatibilité avec les batteries (avec temps de charge)	TP 800 48V FIT, 4,4 h TP 700 48V FIT, 4,3 h RE 535 48 V FIT, 3,3 h
Puissance de sortie max. (en W)	260
Tension chargeur (en V)	48
Courant de charge max. (en A)	5

⁷ Les batteries supplémentaires peuvent être commandées auprès du commerce spécialisé et des services en ligne

3 Couples

3.1 Guidon et potence

Modèle de vélo électrique	Couple du composant respectif (en Nm)									
	Grips	Levier de frein	Manette de dérailleur	Support d'écran	Écran remote	Tige de selle remote	Fixation du guidon sur la potence	Fixation de la potence sur la fourche	Fixation du Speedlifter sur la fourche	Réglage de l'inclinaison à la potence
G1 Gotour 5.43	3	6-8	2-2,5	2,5-3	1,5	-	5	5	5-6	-
G1 Gotour 5.43R	3	6-8	2-2,5	2,5-3	1,5	-	5	5	5-6	-
G1 Gotour 7.10	3	6-8	2,5-3,5	1	1,5	-	5	5	-	6
G1 Gotour 7.10 ABS	3	4	2,5-3,5	1	1,5	-	5	5	-	6
G1 Gotour 7.10 SE	3	6-8	2,5-3,5	1	1,5	-	5	5	-	6
G1 Gotour 7.12 XC	3	6-8	2,5-3,5	1	1,5	-	5	5	-	6
G1 Gotour 7.12 XC ABS	3	4	2,5-3,5	1	1,5	-	5	5	-	6
G1 Gotour 7.23	3	6-8	3	1	1,5	-	5	5	-	6
G1 Gotour 7.23 Auto	3	6-8	-	1	1,5	-	5	5	-	6
G1 Gotour 5.12 CX	3	5-7	2,5-3,5	1	1,5	-	5	5	-	-
G1 Gotour 5.23 CX	3	5-7	3	1	1,5	-	5	5	-	-
G1 Gotour 5.43 Comfort CX	3	6-8	2-2,5	1	1,5	-	5-6	5-6	1. 9-10 2. 2-3	-
G1 Gotour 5.43 Comfort NL CX	3	6-8	2-2,5	1	1,5	-	5-6	5-6	1. 9-10 2. 2-3	-
G1 Gotour 5.43 CX	3	6-8	2-2,5	1	1,5	-	5	5	-	-
G2 Gotour 5.10	3	6-8	2,5-3,5	2,5-3	0,6	-	5-6	9-10	-	-
G2 Gotour 7.10	3	6-8	2,5-3,5	1	0,6	-	5	5	-	6
G2 Gotour 7.12 XC	3	6-8	2,5-3,5	1	0,6	-	5	5	-	6
G2 Gotour 7.23	3	6-8	2,5-3,5	1	0,6	-	5	5	-	6
G2 Gotour 7.43	3	6-8	2,5-3,5	1	0,6	-	5	5	-	-
G2 Gotour 7.43 RN	3	6-8	2,5-3,5	1	0,6	-	5	5	-	-
G2 Gotour 7.43 R	3	6-8	2,5-3,5	1	0,6	-	5	5	-	-
G1 Gotour EL 3.12 XC	3	6-8	2,5-3,5	2,5-3	0,6	-	5-6	9-10	-	14-15
G1 Gotour EL 3.20	3	6-8	2,5-3,5	2,5-3	0,6	-	5-6	9-10	-	14-15
G1 Gotour EL 3.40	3	6-8	2-2,5	2,5-3	0,6	-	5-6	9-10	-	14-15
G1 Gotour3 7.43	3	4	2-2,5	1	1	-	5-6	9-10	-	11
G1 Gotour6 3.10	3	6-8	5	1	1	-	5-6	9-10	-	-
G1 Gotour6 3.40	3	6-8	2-2,5	1	1	-	5-6	9-10	-	-
G1 Gotour6 3.41R	3	6-8	2-2,5	1	1	-	5-6	9-10	-	-
G1 Gotour6 5.20	3	6-8	2-2,5	1	1	-	6	11	5-6	11
G1 Gotour6 5.40	3	6-8	2-2,5	1	1	-	6	11	5-6	11
G1 Gotour6 5.41R	3	6-8	2-2,5	1	1	-	6	11	5-6	11
G3 Tandem 7.70	3	6-8	3	1	1	-	6	11	-	11
G3 Tandem 7.83	3	6-8	1	1	1	-	6	11	5-6	11

Tableau 11 : Couples pour le guidon et les composants y étant liés

3.2 Selle et triangle arrière

Modèle de vélo électrique	Couple du composant respectif (en Nm)				
	Rail de selle	Collier de tige de selle	Amortisseur en haut	Culbuteur sur tube de selle	Amortisseur en bas
G1 Gotour 5.43	12	–	–	–	–
G1 Gotour 5.43R	12	–	–	–	–
G1 Gotour 7.10	9–10	–	–	–	–
G1 Gotour 7.10 ABS	9–10	–	–	–	–
G1 Gotour 7.10 SE	9–10	–	–	–	–
G1 Gotour 7.12 XC	9–10	–	–	–	–
G1 Gotour 7.12 XC ABS	9–10	–	–	–	–
G1 Gotour 7.23	9–10	–	–	–	–
G1 Gotour 7.23 Auto	9–10	–	–	–	–
G1 Gotour 5.12 CX	12	–	–	–	–
G1 Gotour 5.23 CX	12	–	–	–	–
G1 Gotour 5.43 Comfort CX	12	–	–	–	–
G1 Gotour 5.43 Comfort NL CX	12	–	–	–	–
G1 Gotour 5.43 CX	12	–	–	–	–
G2 Gotour 5.10	12	–	–	–	–
G2 Gotour 7.10	9–10	–	–	–	–
G2 Gotour 7.12 XC	9–10	–	–	–	–
G2 Gotour 7.23	9–10	–	–	–	–
G2 Gotour 7.43	9–10	–	–	–	–
G2 Gotour 7.43 RN	9–10	–	–	–	–
G2 Gotour 7.43 R	9–10	–	–	–	–
G1 Gotour EL 3.12 XC	9	–	–	–	–
G1 Gotour EL 3.20	9	–	–	–	–
G1 Gotour EL 3.40	9–10	–	–	–	–
G1 Gotour3 7.43	12–14	6–8	–	–	–
G1 Gotour6 3.10	17–19	6–8	–	–	–
G1 Gotour6 3.40	17–19	6–8	–	–	–
G1 Gotour6 3.41R	17–19	6–8	–	–	–
G1 Gotour6 5.20	17–19	6–8	–	–	–
G1 Gotour6 5.40	17–19	6–8	–	–	–
G1 Gotour6 5.41R	17–19	6–8	–	–	–
G3 Tandem 7.70	8–13	6–8	–	–	–
G3 Tandem 7.83	8–13	6–8	–	–	–

Tableau 12 : Couples pour la selle et le triangle arrière

3.3 Composants de l'entraînement

Modèle de vélo électrique	Couple du composant respectif (en Nm)										
	Vis de fixation du moteur	Tendeur de courroie	Plaque sur moteur	Poulie	Manivelle	Pédales	Rail de batterie	Support de batterie	Antivol de batterie	Tendeur de chaîne	Amortisseur de courroie (Snubber)
G1 Gotour 5.43	28-30	-	-	25-30	45-55	34	4-6	-	4-6	-	-
G1 Gotour 5.43R	28-30	-	-	25-30	45-55	34	4-6	-	4-6	-	-
G1 Gotour 7.10	20-22	-	10	25-30	45-55	34	4-6	-	4-6	8-10	-
G1 Gotour 7.10 ABS	20-22	-	10	25-30	45-55	34	4-6	-	4-6	8-10	-
G1 Gotour 7.10 SE	20-22	-	10	25-30	5-55	34	4-6	-	4-6	8-10	-
G1 Gotour 7.12 XC	20-22	-	10	25-30	45-55	34	4-6	-	4-6	8-10	-
G1 Gotour 7.12 XC ABS	20-22	-	10	25-30	45-55	34	4-6	-	4-6	8-10	-
G1 Gotour 7.23	20-22	-	10	25-30	45-55	34	4-6	-	4-6	-	-
G1 Gotour 7.23 Auto	20-22	-	10	25-30	45-55	34	4-6	-	4-6	-	-
G1 Gotour 5.12 CX	20-22	-	10	25-30	45-55	34	4-6	-	4-6	8-10	-
G1 Gotour 5.23 CX	20-22	-	10	25-30	45-55	34	4-6	-	4-6	-	-
G1 Gotour 5.43 Com-fort CX	20-22	-	10	25-30	45-55	34	4-6	-	4-6	-	-
G1 Gotour 5.43 Com-fort NL CX	20-22	-	10	25-30	45-55	34	4-6	-	4-6	-	-
G1 Gotour 5.43 CX	20-22	-	10	25-30	45-55	34	4-6	-	4-6	-	-
G2 Gotour 5.10	30	-	20	25-30	45-55	34	-	4	3	8-10	-
G2 Gotour 7.10	30	-	20	25-30	45-55	34	-	4	3	8-10	-
G2 Gotour 7.12 XC	30	-	20	25-30	45-55	34	-	4	3	8-10	-
G2 Gotour 7.23	30	-	20	25-30	45-55	34	-	4	3	-	-
G2 Gotour 7.43	30	-	20	25-30	45-55	34	-	4	3	-	-
G2 Gotour 7.43 RN	30	-	20	25-30	45-55	34	-	4	3	-	-
G2 Gotour 7.43 R	TBD	-	20	25-30	45-55	34	-	4	3	-	-
G1 Gotour3 7.43	20-24	-	-	13	50	34	-	-	8-10	-	-
G1 Gotour6 3.10	28-30	-	9-11	25-30	45-55	34	4-6	-	4-6	8-10	-
G1 Gotour6 3.40	28-30	-	9-11	25-30	45-55	34	4-6	-	4-6	-	-
G1 Gotour6 3.41R	28-30	-	9-11	25-30	45-55	34	4-6	-	4-6	-	-
G1 Gotour6 5.20	28-30	-	9-11	30	45-55	34	4-6	-	4-6	8-10	-
G1 Gotour6 5.40	28-30	-	9-11	30	45-55	34	4-6	-	4-6	8-10	-
G1 Gotour6 5.41R	28-30	-	9-11	30	45-55	34	4-6	-	4-6	8-10	-
G3 Tandem 7.70	28-30	-	9-11	30	45-55	34	4-6	-	4-6	8-10	-
G3 Tandem 7.83	28-30	-	9-11	30	45-55	34	4-6	-	4-6	-	-
G1 Gotour EL 3.12 XC	28-30	-	13-15	25-30	45-55	34	-	4	3	8-10	-
G1 Gotour EL 3.20	28-30	-	13-15	25-30	45-55	34	-	4	3	8-10	-
G1 Gotour EL 3.40	28-30	-	13-15	25-30	45-55	34	-	4	3	8-10	-

Tableau 13 : Couples pour les composants d'entraînement

3.4 Roues et freins

Modèle de vélo électrique	Couple du composant respectif (en Nm)					
	Écrous de roue / axe de roue arrière	Axe de roue avant	Étrier de frein à disque	Cassette/ Pou-lie arrière	Capteur de vitesse	Aimant
G1 Gotour 5.43	30–45	8–10	6–8	–	–	–
G1 Gotour 5.43R	30–45	8–10	6–8	–	–	–
G1 Gotour 7.10	–	8–10	6–8	30–50	–	–
G1 Gotour 7.10 ABS	–	8–10	6	30–50	–	–
G1 Gotour 7.10 SE	–	8–10	6–8	30–50	–	–
G1 Gotour 7.12 XC	–	8–10	6–8	30–50	–	–
G1 Gotour 7.12 XC ABS	–	8–10	6	30–50	–	–
G1 Gotour 7.23	30–40	8–10	6–8	–	–	–
G1 Gotour 7.23 Auto	30–40	8–10	6–8	–	–	–
G1 Gotour 5.12 CX	–	8–10	5–7	30–50	–	–
G1 Gotour 5.23 CX	30–40	8–10	5–7	–	–	–
G1 Gotour 5.43 Comfort CX	30–45	8–10	6–8	–	–	–
G1 Gotour 5.43 Comfort NL CX	30–45	8–10	6–8	–	–	–
G1 Gotour 5.43 CX	30–45	8–10	6–8	–	–	–
G2 Gotour 5.10	–	8–10	6–8	30–50	3	–
G2 Gotour 7.10	–	8–10	6–8	30–50	3	–
G2 Gotour 7.12 XC	–	8–10	6–8	30–50	3	–
G2 Gotour 7.23	30–40	8–10	6–8	–	3	–
G2 Gotour 7.43	30–45	8–10	6–8	–	3	–
G2 Gotour 7.43 RN	30–45	8–10	6–8	–	3	–
G2 Gotour 7.43 R	30–45	8–10	6–8	–	3	–
G1 Gotour6 3.40	30–45	21–26	6–8	–	3	1
G1 Gotour6 3.41R	30–45	21–26	6–8	–	3	1
G1 Gotour6 5.20	30–45	21–26	6–8	30–50	3	1
G1 Gotour6 5.40	30–45	21–26	6–8	30–50	3	1
G1 Gotour6 5.41R	–	21–26	6–8	30–50	3	1
G1 Gotour EL 3.12 XC	–	–	6–8	30–50	–	–
G1 Gotour EL 3.20	30–40	–	6–8	–	–	–
G1 Gotour EL 3.40	30–45	–	6–8	–	–	–
G3 Tandem 7.70	–	10	6–8	30–50	3	1
G3 Tandem 7.83	–	10	6–8	–	3	1

Tableau 14 : Couples pour les roues et les composants y étant liés

TECHNICAL DATA

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1 Peso proprio, omologazioni e limiti di peso superiori

i **Importante:** il peso proprio effettivo della e-bike dipende dal tipo di telaio, dalla taglia del telaio e dalla dotazione. I pesi indicati qui sono stati determinati senza batteria. Il peso proprio delle pedelec comprensivo della dotazione specifica è riportato sulla targhetta identificativa apposta alle pedelec.

i **Importante:** il peso totale consentito comprende il peso proprio della e-bike (con batteria) nonché il peso del conducente, del bagaglio e del rimorchio (con carico). Non superare in nessun caso i pesi totali consentiti indicati, poiché ciò potrebbe causare il guasto dei componenti.

Serie di modelli	Peso proprio	Peso totale max. consentito ¹	Peso rimorchiato max. ²	Seggiolino per bambini con portapacchi ²	Carico max. del portapacchi ²
G1 Gotour EL	30 kg	150 kg	40 kg	non consentito	25 kg
G1 Gotour	32 kg	150 kg	40 kg	Sì ²	27 kg
G2 Gotour	34 kg	150 kg	40 kg	Sì ²	27 kg
G1 Gotour6	30 kg	150 kg	40 kg	non consentito	25 kg
G1 Gotour3	33 kg	180 kg	60 kg	Sì ²	27 kg
G3 Tandem	41 kg	250 kg	60 kg	non consentito	25 kg

Tabella 1: Peso proprio, omologazioni e limiti di peso superiori delle varie serie di modelli di e-bike

1 Peso totale massimo consentito: peso proprio e-bike (con batteria) + conducente + bagaglio + rimorchio (con carico).

2 I modelli High Speed (HS) non sono omologati per l'uso con rimorchio.

Se si utilizza un rimorchio, la portata massima del portapacchi e il peso massimo del sistema si riducono del carico del timone massimo del triangolo posteriore del telaio, pari a 8 kg.

2 Sistema propulsivo elettrico



Importante: ulteriori dati tecnici sui componenti della propulsione elettrica sono riportati nelle istruzioni del produttore relative al proprio sistema propulsivo elettrico.³

2.1 Propulsione Panasonic

2.1.1 Motore centrale Panasonic

Indicazione / descrizione	Motore						
	GX Force Pro FIT	GX Force Pro Coaster FIT	GX Power Plus	GX Power Plus Coaster	GX Ultimate	GX Ultimate Eco FIT	GX Ultimate Pro FIT
Assistenza alla pedalata fino a (in km/h)	25	25	25	25	25/45	25	25/45
Potenza continua nominale (in watt)	250	250	250	250	250	250	250
Output max. (in watt 70 giri/min)	450	450	450	450	600	600	600
Coppia max. (in Nm)							
• Cambio nel mozzo Nexus	75	75	75	75	75	75	75
• Resto dei cambi nel mozzo e deragliatori	75	75	75	75	90	–	95
Livelli di assistenza (in %)							
• ECO	70	70	70	70	70	70	70
• Standard	150	150	150	150	150	150	150
• HIGH	300	300	300	300	300	300	300
• AUTO	70–300	70–300	70–300	70–300	70–300	70–300	70–300
Assistenza max. (in %)	300	300	300	300	300	300	300
Peso (in kg)	3,2	3,2	3,2	3,2	2,9	2,9	2,9
Montato nel modello	G1 Upstreet	G1 Upstreet	G2 Upstreet5, G1 Gotour3	G2 Upstreet5	G1 Upstreet3, G2 Upstreet5	G1 Upstreet	G3 Uproc2, G1 Uproc X, G2 Goroc2, G1 Goroc X, G1 Upstreet

Tabella 2: indicazioni relative ai sistemi propulsivi con motore centrale Panasonic

³ Nelle istruzioni del produttore relative al proprio sistema propulsivo elettrico sono contenute in particolare indicazioni sulle temperature d'esercizio e stoccaggio di batteria e caricabatteria, sulle prese di collegamento del display, comprese le loro capacità, ecc.

2.1.2 Batterie FLYER

Indicazione / descrizione	Batteria		
	FLYER Seat Tube Battery STB-630	FLYER Smart Integrated Battery SIB-630	FLYER Smart Integrated Battery SIB-750
Capacità (in Wh)	630	630	750
Contenuto di energia min. (in Ah)	16,75	16,75	20,10
Tensione (in V)	36	36	36
Peso (in kg)	3,8	3,7	4,3
Misure LxPxA (in mm)	286×146×111	425×101×105	425×107×115
Montata nel modello	G1 Gotour3	G2 Upstreet5	G1 Upstreet3

Tabella 3: indicazioni relative alle batterie FLYER utilizzate con motori centrali Panasonic

2.1.3 Caricabatteria FLYER

Indicazione / descrizione	Caricabatteria	
	FLYER Charger 4 A 36 V	FLYER Fast Charger 6 A 36 V
Compatibilità con batteria (con durata di carica)	FLYER Smart Integrated Battery SIB-630 (5,7 h), FLYER Seat Tube Battery STB-630 (5,7 h)	FLYER Smart Integrated Battery SIB-750 (4,5 h), FLYER Seat Tube Battery STB-630 (3,8 h), FLYER Seat Tube Battery STB-750 (4,5 h)
Potenza di uscita max. (in w)	168	252
Tensione caricabatteria (in V)	36	36
Corrente di carica max. (in A)	4	6

Tabella 4: indicazioni relative ai caricabatteria FLYER utilizzati con batterie FLYER

2.1.4 Batterie FIT

Indicazione / descrizione	Batteria		
	FIB-630 36 V FIT	FIB-750 36 V FIT	Range Extender RE-540 36 V FIT ⁴
Capacità (in Wh)	630	750	540
Contenuto di energia min. (in Ah)	17,5	20,1	14,7
Tensione (in V)	36	36	36
Peso (in kg)	3,7	4,3	3,3
Misure LxPxA (in mm)	392×84×77	461×84×77	309×108×87
Montata nel modello	G1 Goroc X, G1 Uproc X, G1 Upstreet	G1 Uproc X, G1 Goroc X, G3 Uproc2, G2 Goroc2, G1 Upstreet	G1 Goroc X, G1 Upstreet

Tabella 5: indicazioni relative alle batterie FIT utilizzate con motori centrali Panasonic

4 Le batterie aggiuntive possono essere ordinate attraverso i negozi specializzati e i servizi online.

2.1.5 Caricabatteria FIT

Indicazione / descrizione	Caricabatteria	
	FIT Charger 4 A 36 V ⁵	FIT Fast Charger 6 A 36 V
Compatibilità con batteria (con durata di carica)	FIB-630 36 V FIT (5,7 h)	FIT RE-540 36 V (3,3h), FIB-630 36 V FIT (3,8h), FIB-750 36 V FIT (4,5h)
Potenza di uscita max. (in w)	168	252
Tensione caricabatteria (in V)	36	36
Corrente di carica max. (in A)	4	6

Tabella 6: indicazioni relative ai caricabatteria FIT utilizzati con batterie FIT

2.2 Propulsione Bosch

2.2.1 Motore centrale Bosch

Indicazione / descrizione	Motore				
	Smart System Performance Line BDU336Y	Smart System Performance Line CX BDU0374Y	Smart System Performance Line CX BDU384Y	Smart System Performance Line CX Race BDU376Y	Smart System Performance Line SX BDU314Y
Assistenza alla pedalata fino a (in km/h)	25	25	25	25	25
Potenza continua nominale (in watt)	250	250	250	250	250
Output max. (in watt 70 giri/min)	550	550	550	600	600
Coppia max. (in Nm)					
• Cambio nel mozzo Nexus	75	–	85	–	–
• Resto dei cambi nel mozzo e deragliatori	75	85	85	85	55
Livelli di assistenza (in %)					
• ECO	60	60	60	60	60
• TOUR	140	140	140	140	140
• TOUR+	60–340	60–340	60–340	60–340	60–340
• AUTO	Adaptiv fino a max. 340	dinamico Adaptiv fino a max. 340	Adaptiv fino a max. 340	Adaptiv fino a max. 340	Adaptiv fino a max. 340
• SPRINT	–	–	–	–	60–280
• SPORT	240	240	240	240	240
• eMTB	140–340	140–340	140–340	140–340	140–340
• TURBO	340	340	340	340	340
• RACE	–	–	400	400	–
Assistenza max. (in %)	340	340	340	400	340
Peso (in kg)	3,2	2,9	2,85	2,75	2,05
Montato nel modello	G1 Gotour G1 Gotour EL	G1 Gotour G2 Uproc X G1 Uproc EVO:X	G2 Gotour G2 Uproc EVO:X G2 Goroc X	G1 Uproc EVO:X	G1 Uproc SL:X G1 Upstreet SL

Tabella 7: indicazioni relative ai sistemi propulsivi con motore centrale Bosch 1/2

Indicazione / descrizione	Motore		
	Active Line Plus BDU350	Performance Line BDU365	Performance Cargo Line CX BDU450
Assistenza alla pedalata fino a (in km/h)	25	25	25
Potenza continua nominale (in watt)	250	250	250
Output max. (in watt 70 giri/min)	365	440	600
Coppia max. (in Nm)			
• Cambio nel mozzo Nexus	50	60	–
• Resto dei cambi nel mozzo e deragliatori	–	65	85
Livelli di assistenza (in %)			
• ECO	55	55	60
• TOUR	115	120	140
• SPORT	185	200	240
• TURBO	270	300	400
Assistenza max. (in %)	270	300	400
Peso (in kg)	3,2	3,2	2,9
Montato nel modello	G1 Upstreet1, G1 Upstreet2, G1 Gotour6	G1 Upstreet1, G1 Upstreet2, G1 Gotour6	G3 Tandem

Tabella 8: indicazioni relative ai sistemi propulsivi con motore centrale Bosch 2/2

2.2.2 Batteries Bosch

Indicazione / descrizione	Smart System Bosch Power- tube 800	Smart System Bosch PowerTube 750	Smart System Bosch PowerTube 625	Bosch PowerTube 625	Bosch PowerTube 500	Smart System Bosch Compact- Tube 400	Smart System Bosch CompactTube 400
Capacità (in Wh)	800	750	625	625	500	400	250
Contenuto di energia min. (in Ah)	22,2	20,1	16,7	16,7	13,4	11,0	6,7
Tensione (in V)	36	36	36	36	36	36	36
Peso (in kg)	3,9	4,3	3,6	3,5	2,9	2,0	1,6
Misure LxPxA (in mm)	430 × 81 × 75	484 × 84 × 65	415 × 84 × 65	416 × 84 × 65	349 × 84 × 65	352 × 74 × 57	218 × 79 × 88
Montata nel modello	G2 Goroc X G2 Gotour G2 Uproc EVO:X	G1 Uproc EVO:X G2 Uproc X G1 Gotour	G1 Gotour EL, G1 Uproc EVO:X, G2 Uproc X	G1 Gotour6 G3 Tandem	G1 Gotour6 G1 Upstreet2 G1 Upstreet1	G1 Uproc SL:X G1 Upstreet SL	G2 Uproc X G1 Uproc SL:X G2 Uproc EVO:X G1 Upstreet SL

Tabella 9: indicazioni relative alle batterie Bosch utilizzate con motori centrali Bosch

2.2.3 Caricabatteria Bosch

Indicazione / descrizione	Caricabatteria		
	Bosch Standard Charger 4A BES2	Bosch Fast Charger 6A BES2	Bosch Standard Charger 4A Smart System
Compatibilità con batteria (con durata di carica)	Bosch PowerTube 500 (4,5 h), Bosch PowerTube 625 (4,9 h)	Bosch PowerTube 625 (3,7 h)	Bosch PowerMore 250 (3,2 h) Bosch CompactTube 400 (3,5 h) Bosch PowerTube 625 (4,9 h) Bosch PowerTube 750 (6 h) Bosch PowerTube 800 (6,9 h)
Potenza di uscita max. (in w)	198	290	177
Tensione caricabatteria (in V)	36	36	36
Corrente di carica max. (in A)	4	6	4

Tabella 10: indicazioni relative ai caricabatteria Bosch utilizzati batterie Bosch

2.3 Propulsione Pinion

2.3.1 Motore centrale Pinion

Indicazione / descrizione	Motore		
	E.1.12	E.1.12S	E1.9
Assistenza alla pedalata fino a (in km/h)	25	45	25
Potenza continua nominale (in watt)	250	250	250
Output max. (in watt 70 giri/min)	600	800	600
Coppia max. (in Nm)	Ca. 85 ⁶	Ca. 85 ⁶	Ca. 85 ⁶
Niveaux d'assistance (en %)			
• ECO	60	60	60
• FLOW	120	120	120
• FLEX	180	180	180
• FLY	400	400	400
Assistenza max. (in %)	400	400	400
Peso (in kg)	4,1 (including Gearbox)	4,1 (including Gearbox)	4,0 (including Gearbox)
Montato nel modello	G1 Goroc TR:X	G1 Goroc TR:X	G1 Goroc TR

⁶ Coppia virtuale comparabile (Nm) convertita in un rapporto 1:1 dall'albero di entrata della MGU all'albero di uscita.

2.3.2 Batteries FIT

Indicazione / descrizione	Batteria		
	FIT TP-800 48V	FIT TP-700 48V	FIT RE-535 48V
Capacità (in Wh)	800	700	535
Contenuto di energia min. (in Ah)	16.9	15	11,2
Tensione (in V)	48	48	48
Peso (in kg)	3,8	4,0	2,8
Misure LxPxA (in mm)	422.5 × 74.6 × 69.9	414×83,2×80,01	309×108×87
Montata nel modello	G1 Goroc TR	G1 Goroc TR:X	G1 Goroc TR:X

2.3.3 Caricabatteria FIT

Indicazione / descrizione	Caricabatteria
	48V 5A Pinion FIT
Compatibilità con batteria (con durata di carica)	TP 800 48V FIT, 4,4 h TP 700 48V FIT, 4,3 h RE 535 48 V FIT, 3,3 h
Potenza di uscita max. (in w)	260
Tensione caricabatteria (in V)	48
Corrente di carica max. (in A)	5

7 Le batterie aggiuntive possono essere ordinate tramite rivenditori specializzati e servizi online

3 Coppie

3.1 Manubrio e attacco manubrio

Modello di e-bike	Coppia per ogni componente (in Nm)									
	Maniglie del manubrio	Leva del freno	Leva del cambio	Supporto del display	Remote Display	Remote reggisella	Manubrio su attacco manubrio	Attacco manubrio sulla forcella	Speedlifter su canotto della forcella	Regolazione dell'angolo attacco manubrio
G1 Gotour 5.43	3	6-8	2-2,5	2,5-3	1,5	-	5	5	5-6	-
G1 Gotour 5.43R	3	6-8	2-2,5	2,5-3	1,5	-	5	5	5-6	-
G1 Gotour 7.10	3	6-8	2,5-3,5	1	1,5	-	5	5	-	6
G1 Gotour 7.10 ABS	3	4	2,5-3,5	1	1,5	-	5	5	-	6
G1 Gotour 7.10 SE	3	6-8	2,5-3,5	1	1,5	-	5	5	-	6
G1 Gotour 7.12 XC	3	6-8	2,5-3,5	1	1,5	-	5	5	-	6
G1 Gotour 7.12 XC ABS	3	4	2,5-3,5	1	1,5	-	5	5	-	6
G1 Gotour 7.23	3	6-8	3	1	1,5	-	5	5	-	6
G1 Gotour 7.23 Auto	3	6-8	-	1	1,5	-	5	5	-	6
G1 Gotour 5.12 CX	3	5-7	2,5-3,5	1	1,5	-	5	5	-	-
G1 Gotour 5.23 CX	3	5-7	3	1	1,5	-	5	5	-	-
G1 Gotour 5.43 Comfort CX	3	6-8	2-2,5	1	1,5	-	5-6	5-6	1. 9-10 2. 2-3	-
G1 Gotour 5.43 Comfort NL CX	3	6-8	2-2,5	1	1,5	-	5-6	5-6	1. 9-10 2. 2-3	-
G1 Gotour 5.43 CX	3	6-8	2-2,5	1	1,5	-	5	5	-	-
G2 Gotour 5.10	3	6-8	2,5-3,5	2,5-3	0,6	-	5-6	9-10	-	-
G2 Gotour 7.10	3	6-8	2,5-3,5	1	0,6	-	5	5	-	6
G2 Gotour 7.12 XC	3	6-8	2,5-3,5	1	0,6	-	5	5	-	6
G2 Gotour 7.23	3	6-8	2,5-3,5	1	0,6	-	5	5	-	6
G2 Gotour 7.43	3	6-8	2,5-3,5	1	0,6	-	5	5	-	-
G2 Gotour 7.43 RN	3	6-8	2,5-3,5	1	0,6	-	5	5	-	-
G2 Gotour 7.43 R	3	6-8	2,5-3,5	1	0,6	-	5	5	-	-
G1 Gotour EL 3.12 XC	3	6-8	2,5-3,5	2,5-3	0,6	-	5-6	9-10	-	14-15
G1 Gotour EL 3.20	3	6-8	2,5-3,5	2,5-3	0,6	-	5-6	9-10	-	14-15
G1 Gotour EL 3.40	3	6-8	2-2,5	2,5-3	0,6	-	5-6	9-10	-	14-15
G1 Gotour3 7.43	3	4	2-2,5	1	1	-	5-6	9-10	-	11
G1 Gotour6 3.10	3	6-8	5	1	1	-	5-6	9-10	-	-
G1 Gotour6 3.40	3	6-8	2-2,5	1	1	-	5-6	9-10	-	-
G1 Gotour6 3.41R	3	6-8	2-2,5	1	1	-	5-6	9-10	-	-
G1 Gotour6 5.20	3	6-8	2-2,5	1	1	-	6	11	5-6	11
G1 Gotour6 5.40	3	6-8	2-2,5	1	1	-	6	11	5-6	11
G1 Gotour6 5.41R	3	6-8	2-2,5	1	1	-	6	11	5-6	11
G3 Tandem 7.70	3	6-8	3	1	1	-	6	11	-	11
G3 Tandem 7.83	3	6-8	1	1	1	-	6	11	5-6	11

Tabella 11: coppie relative ai manubri e ai componenti ad essi uniti

3.2 Sella e triangolo posteriore del telaio

Modello di e-bike	Coppia per ogni componente (in Nm)				
	Intelaiatura della sella	Morsetto del reggisella	Ammortizzatore superiore	Ammortizzatore inferiore	Rocker su tubo della sella
G1 Gotour 5.43	12	–	–	–	–
G1 Gotour 5.43R	12	–	–	–	–
G1 Gotour 7.10	9–10	–	–	–	–
G1 Gotour 7.10 ABS	9–10	–	–	–	–
G1 Gotour 7.10 SE	9–10	–	–	–	–
G1 Gotour 7.12 XC	9–10	–	–	–	–
G1 Gotour 7.12 XC ABS	9–10	–	–	–	–
G1 Gotour 7.23	9–10	–	–	–	–
G1 Gotour 7.23 Auto	9–10	–	–	–	–
G1 Gotour 5.12 CX	12	–	–	–	–
G1 Gotour 5.23 CX	12	–	–	–	–
G1 Gotour 5.43 Comfort CX	12	–	–	–	–
G1 Gotour 5.43 Comfort NL CX	12	–	–	–	–
G1 Gotour 5.43 CX	12	–	–	–	–
G2 Gotour 5.10	12	–	–	–	–
G2 Gotour 7.10	9–10	–	–	–	–
G2 Gotour 7.12 XC	9–10	–	–	–	–
G2 Gotour 7.23	9–10	–	–	–	–
G2 Gotour 7.43	9–10	–	–	–	–
G2 Gotour 7.43 RN	9–10	–	–	–	–
G2 Gotour 7.43 R	9–10	–	–	–	–
G1 Gotour EL 3.12 XC	9	–	–	–	–
G1 Gotour EL 3.20	9	–	–	–	–
G1 Gotour EL 3.40	9–10	–	–	–	–
G1 Gotour3 7.43	12–14	6–8	–	–	–
G1 Gotour6 3.10	17–19	6–8	–	–	–
G1 Gotour6 3.40	17–19	6–8	–	–	–
G1 Gotour6 3.41R	17–19	6–8	–	–	–
G1 Gotour6 5.20	17–19	6–8	–	–	–
G1 Gotour6 5.40	17–19	6–8	–	–	–
G1 Gotour6 5.41R	17–19	6–8	–	–	–
G3 Tandem 7.70	8–13	6–8	–	–	–
G3 Tandem 7.83	8–13	6–8	–	–	–

Tabella 12: coppie relative a sella e triangolo posteriore del telaio

3.3 Componenti della propulsione

Modello di e-bike	Coppia per ogni componente (in Nm)										
	Viti del motore	Tenditore della cinghia	Piastra sul motore	Viti del rocchetto/Puleggia	Pedivelle	Pedali	Binario della batteria	Supporto della batteria	Lucchetto della batteria	Cambio / tendicatena	Ammortizzatore a cinghia (Snubber)
G1 Gotour 5.43	28-30	-	-	25-30	45-55	34	4-6	-	4-6	-	-
G1 Gotour 5.43R	28-30	-	-	25-30	45-55	34	4-6	-	4-6	-	-
G1 Gotour 7.10	20-22	-	10	25-30	45-55	34	4-6	-	4-6	8-10	-
G1 Gotour 7.10 ABS	20-22	-	10	25-30	45-55	34	4-6	-	4-6	8-10	-
G1 Gotour 7.10 SE	20-22	-	10	25-30	5-55	34	4-6	-	4-6	8-10	-
G1 Gotour 7.12 XC	20-22	-	10	25-30	45-55	34	4-6	-	4-6	8-10	-
G1 Gotour 7.12 XC ABS	20-22	-	10	25-30	45-55	34	4-6	-	4-6	8-10	-
G1 Gotour 7.23	20-22	-	10	25-30	45-55	34	4-6	-	4-6	-	-
G1 Gotour 7.23 Auto	20-22	-	10	25-30	45-55	34	4-6	-	4-6	-	-
G1 Gotour 5.12 CX	20-22	-	10	25-30	45-55	34	4-6	-	4-6	8-10	-
G1 Gotour 5.23 CX	20-22	-	10	25-30	45-55	34	4-6	-	4-6	-	-
G1 Gotour 5.43 Comfort CX	20-22	-	10	25-30	45-55	34	4-6	-	4-6	-	-
G1 Gotour 5.43 Comfort NL CX	20-22	-	10	25-30	45-55	34	4-6	-	4-6	-	-
G1 Gotour 5.43 CX	20-22	-	10	25-30	45-55	34	4-6	-	4-6	-	-
G2 Gotour 5.10	30	-	20	25-30	45-55	34	-	4	3	8-10	-
G2 Gotour 7.10	30	-	20	25-30	45-55	34	-	4	3	8-10	-
G2 Gotour 7.12 XC	30	-	20	25-30	45-55	34	-	4	3	8-10	-
G2 Gotour 7.23	30	-	20	25-30	45-55	34	-	4	3	-	-
G2 Gotour 7.43	30	-	20	25-30	45-55	34	-	4	3	-	-
G2 Gotour 7.43 RN	30	-	20	25-30	45-55	34	-	4	3	-	-
G2 Gotour 7.43 R	TBD	-	20	25-30	45-55	34	-	4	3	-	-
G1 Gotour3 7.43	20-24	-	-	13	50	34	-	-	8-10	-	-
G1 Gotour6 3.10	28-30	-	9-11	25-30	45-55	34	4-6	-	4-6	8-10	-
G1 Gotour6 3.40	28-30	-	9-11	25-30	45-55	34	4-6	-	4-6	-	-
G1 Gotour6 3.41R	28-30	-	9-11	25-30	45-55	34	4-6	-	4-6	-	-
G1 Gotour6 5.20	28-30	-	9-11	30	45-55	34	4-6	-	4-6	8-10	-
G1 Gotour6 5.40	28-30	-	9-11	30	45-55	34	4-6	-	4-6	8-10	-
G1 Gotour6 5.41R	28-30	-	9-11	30	45-55	34	4-6	-	4-6	8-10	-
G3 Tandem 7.70	28-30	-	9-11	30	45-55	34	4-6	-	4-6	8-10	-
G3 Tandem 7.83	28-30	-	9-11	30	45-55	34	4-6	-	4-6	-	-
G1 Gotour EL 3.12 XC	28-30	-	13-15	25-30	45-55	34	-	4	3	8-10	-
G1 Gotour EL 3.20	28-30	-	13-15	25-30	45-55	34	-	4	3	8-10	-
G1 Gotour EL 3.40	28-30	-	13-15	25-30	45-55	34	-	4	3	8-10	-

Tabella 13: coppie relative ai componenti della propulsione

3.4 Ruote e freni

Modello di e-bike	Coppia per ogni componente (in Nm)					
	Dadi delle ruote/ asse a rilascio rapido ruota posteriore	Asse a rilascio rapido ruota anteriore	Pinza freno a disco	Cassetta/ Puleggia posteriore per cinghia	Speed Sensor	Magnete
G1 Gotour 5.43	30-45	8-10	6-8	-	-	-
G1 Gotour 5.43R	30-45	8-10	6-8	-	-	-
G1 Gotour 7.10	-	8-10	6-8	30-50	-	-
G1 Gotour 7.10 ABS	-	8-10	6	30-50	-	-
G1 Gotour 7.10 SE	-	8-10	6-8	30-50	-	-
G1 Gotour 7.12 XC	-	8-10	6-8	30-50	-	-
G1 Gotour 7.12 XC ABS	-	8-10	6	30-50	-	-
G1 Gotour 7.23	30-40	8-10	6-8	-	-	-
G1 Gotour 7.23 Auto	30-40	8-10	6-8	-	-	-
G1 Gotour 5.12 CX	-	8-10	5-7	30-50	-	-
G1 Gotour 5.23 CX	30-40	8-10	5-7	-	-	-
G1 Gotour 5.43 Comfort CX	30-45	8-10	6-8	-	-	-
G1 Gotour 5.43 Comfort NL CX	30-45	8-10	6-8	-	-	-
G1 Gotour 5.43 CX	30-45	8-10	6-8	-	-	-
G2 Gotour 5.10	-	8-10	6-8	30-50	3	-
G2 Gotour 7.10	-	8-10	6-8	30-50	3	-
G2 Gotour 7.12 XC	-	8-10	6-8	30-50	3	-
G2 Gotour 7.23	30-40	8-10	6-8	-	3	-
G2 Gotour 7.43	30-45	8-10	6-8	-	3	-
G2 Gotour 7.43 RN	30-45	8-10	6-8	-	3	-
G2 Gotour 7.43 R	30-45	8-10	6-8	-	3	-
G1 Gotour6 3.40	30-45	21-26	6-8	-	3	1
G1 Gotour6 3.41R	30-45	21-26	6-8	-	3	1
G1 Gotour6 5.20	30-45	21-26	6-8	30-50	3	1
G1 Gotour6 5.40	30-45	21-26	6-8	30-50	3	1
G1 Gotour6 5.41R	-	21-26	6-8	30-50	3	1
G1 Gotour EL 3.12 XC	-	-	6-8	30-50	-	-
G1 Gotour EL 3.20	30-40	-	6-8	-	-	-
G1 Gotour EL 3.40	30-45	-	6-8	-	-	-
G3 Tandem 7.70	-	10	6-8	30-50	3	1
G3 Tandem 7.83	-	10	6-8	-	3	1

Tabella 14: coppie relative alle ruote e ai componenti ad esse uniti

TECHNICAL DATA

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1 Tare weight, approvals and weight limits



Important: The actual tare weight of your e-bike depends on the frame type, frame size and equipment. The weights listed here were determined without the battery. The equipment-specific tare weight for pedelecs is indicated on the nameplate attached to the respective pedelec.



Important: The permissible total weight includes the tare weight of the e-bike (with battery) and the weight of the cyclist, luggage and trailer (with load). The specified total weights may not be exceeded under any circumstances as component failure could result.

EN

Model series	Tare weight	Max. permissible total weight ¹	Max. trailer load ²	Child seat on rack ²	Max. rack load ²
G1 Gotour EL	30 kg	150 kg	40 kg	not permitted	25 kg
G1 Gotour	32 kg	150 kg	40 kg	yes ²	27 kg
G2 Gotour	34 kg	150 kg	40 kg	yes ²	27 kg
G1 Gotour6	30 kg	150 kg	40 kg	not permitted	25 kg
G1 Gotour3	33 kg	180 kg	60 kg	yes ²	27 kg
G3 Tandem	41 kg	250 kg	60 kg	not permitted	25 kg

Table 1: Tare weight, approvals and weight limits of the various e-bike model series

1 Maximum permissible total weight: Tare weight of e-bike (including battery) + cyclist + luggage + trailer (including load).
2 High-speed (HS) models are not approved for use with trailers.
When using a trailer, the maximum load capacity of the rack and the maximum system weight is reduced by the maximum chainstay support load of 8 kg.

2 Electric drive system



Important: You will find additional technical data on the components of your electric drive in the manufacturer's instructions for your electric drive system.³

2.1 Panasonic drive

2.1.1 Panasonic mid-drive motor

Specification/ description	Motor						
	GX Force Pro FIT	GX Force Pro Coaster FIT	GX Power Plus	GX Power Plus Coaster	GX Ultimate	GX Ultimate Eco FIT	GX Ultimate Pro FIT
Pedal assist up to (in km/h)	25	25	25	25	25/45	25	25/45
Rated continuous power (in watts)	250	250	250	250	250	250	250
Max. output (in watts, 70 rpm)	450	450	450	450	600	600	600
Max. torque (in Nm)							
• Nexus hub gears	75	75	75	75	75	75	75
• Other hub and derailleur gears	75	75	75	75	90	–	95
Assistance levels (in %)							
• ECO	70	70	70	70	70	70	70
• Standard	150	150	150	150	150	150	150
• HIGH	300	300	300	300	300	300	300
• AUTO	70–300	70–300	70–300	70–300	70–300	70–300	70–300
Max. assistance (in %)	300	300	300	300	300	300	300
Weight (in kg)	3.2	3.2	3.2	3.2	2.9	2.9	2.9
Installed in model	G1 Upstreet	G1 Upstreet	G2 Upstreet5, G1 Gotour3	G2 Upstreet5	G1 Upstreet3, G2 Upstreet5	G1 Upstreet	G3 Uproc2, G1 Uproc X, G2 Goroc2, G1 Goroc X, G1 Upstreet

Table 2: Specifications for drive systems with Panasonic mid-drive motor

³ The manufacturer's instructions for your electric drive system contains information regarding the operating and storage temperatures of the battery and charger in particular, as well as the connection sockets on the display, including their capacities, etc.

2.1.2 FLYER batteries

Specification/ description	Battery		
	FLYER Seat Tube Battery STB-630	FLYER Smart Integrated Battery SIB-630	FLYER Smart Integrated Battery SIB-750
Capacity (in Wh)	630	630	750
Min. energy content . (in Ah)	16.75	16.75	20.10
Voltage (in V)	36	36	36
Weight (in kg)	3.8	3.7	4.3
Mass L×W×H (in mm)	286×146×111	425×101×105	425×107×115
Installed in model	G1 Gotour3	G2 Upstreet5	G1 Upstreet3

Table 3: Specifications for FLYER batteries in use with Panasonic mid-drive mounted motors

2.1.3 FLYER chargers

Specification/ description	Charger	
	FLYER Charger 4 A 36 V	FLYER Fast Charger 6 A 36 V
Battery compatibility (including charging time)	FLYER Smart Integrated Battery SIB-630 (5.7 h), FLYER Seat Tube Battery STB-630 (5.7 h)	FLYER Smart Integrated Battery SIB-750 (4.5 h), FLYER Seat Tube Battery STB-630 (3.8 h), FLYER Seat Tube Battery STB-750 (4.5 h)
Max. output power (in W)	168	252
Charger voltage (in V)	36	36
Max. charging current (in A)	4	6

Table 4: Specifications for FLYER chargers in use with FLYER batteries

2.1.4 FIT batteries

Specification/ description	Battery		
	FIB-630 36 V FIT	FIB-750 36 V FIT	Range extender RE-540 36 V FIT ⁴
Capacity (in Wh)	630	750	540
Min. energy content . (in Ah)	17.5	20.1	14.7
Voltage (in V)	36	36	36
Weight (in kg)	3.7	4.3	3.3
Mass L×W×H (in mm)	392×84×77	461×84×77	309×108×87
Installed in model	G1 Goroc X, G1 Uproc X, G1 Upstreet	G1 Uproc X, G1 Goroc X, G3 Uproc2, G2 Goroc2, G1 Upstreet	G1 Goroc X, G1 Upstreet

Table 5: Specifications for FIT batteries in use with Panasonic mid-drive motors

⁴ The additional batteries can be ordered from specialist dealers and online services.

2.1.5 FIT chargers

Specification/ description	Charger	
	FIT Charger 4 A 36 V ⁵	FIT Fast Charger 6 A 36 V
Battery compatibility (including charging time)	FIB-630 36 V FIT (5.7 h)	FIT RE-540 36 V (3.3 h), FIB-630 36 V FIT (3.8 h), FIB-750 36 V FIT (4.5 h)
Max. output power (in W)	168	252
Charger voltage (in V)	36	36
Max. charging current (in A)	4	6

Table 6: Specifications for FIT chargers in use with FIT batteries

2.2 Bosch drive

2.2.1 Bosch mid-drive motor

Specification/ description	Motor				
	Smart System Performance Line BDU336Y	Smart System Performance Line CX BDU0374Y	Smart System Performance Line CX BDU384Y	Smart System Performance Line CX Race BDU376Y	Smart System Performance Line SX BDU314Y
Pedal assist up to (in km/h)	25	25	25	25	25
Rated continuous power (in watts)	250	250	250	250	250
Max. output (in watts, 70 rpm)	550	550	550	600	600
Max. torque (in Nm)					
• Nexus hub gears	75	–	85	–	–
• Other hub and derailleur gears	75	85	85	85	55
Assistance levels (in %)					
• ECO	60	60	60	60	60
• TOUR	140	140	140	140	140
• TOUR+	60–340	60–340	60–340	60–340	60–340
• AUTO	Can be adapted up to max. 340	dynamic Can be adapted up to max. 340	dynamic Can be adapted up to max. 340	Can be adapted up to max. 340	Can be adapted up to max. 340
• SPRINT	–	–	–	–	60–280
• SPORT	240	240	240	240	240
• eMTB	140–340	140–340	140–340	140–340	140–340
• TURBO	340	340	340	340	340
• RACE	–	–	–	400	–
Max. assistance (in %)	340	340	340	400	340
Weight (in kg)	3,2	2,9	2,85	2,75	2,05
Installed in model	G1 Gotour G1 Gotour EL	G1 Gotour G2 Uproc X G1 Uproc EVO:X	G2 Gotour G2 Uproc EVO:X G2 Goroc X	G1 Uproc EVO:X	G1 Uproc SL:X G1 Ups-treet SL

Tabella 7: indicazioni relative ai sistemi propulsivi con motore centrale Bosch 1/2

Specification/ description	Motor		
	Active Line Plus BDU350	Performance Line BDU365	Performance Cargo Line CX BDU450
Pedal assist up to (in km/h)	25	25	25
Rated continuous power (in watts)	250	250	250
Max. output (in watts, 70 rpm)	365	440	600
Max. torque (in Nm)			
• Nexus hub gears	50	60	–
• Other hub and derailleur gears	–	65	85
Assistance levels (in %)			
• ECO	55	55	60
• TOUR	115	120	140
• SPORT	185	200	240
• TURBO	270	300	400
Max. assistance (in %)	270	300	400
Weight (in kg)	3,2	3,2	2,9
Installed in model	G1 Upstreet1, G1 Upstreet2, G1 Gotour6	G1 Upstreet1, G1 Upstreet2, G1 Gotour6	G3 Tandem

Tabella 8: indicazioni relative ai sistemi propulsivi con motore centrale Bosch 2/2

2.2.2 Bosch batteries

Specification/ description	Smart System Bosch PowerTube 800	Smart System Bosch PowerTube 750	Smart System Bosch PowerTube 625	Bosch PowerTube 625	Bosch PowerTube 500	Smart System Bosch Compact- Tube 400	Smart System Bosch Compact- Tube 400
Capacity (in Wh)	800	750	625	625	500	400	250
Min. energy content (in Ah)	22,2	20,1	16,7	16,7	13,4	11,0	6,7
Voltage (in V)	36	36	36	36	36	36	36
Weight (in kg)	3,9	4,3	3,6	3,5	2,9	2,0	1,6
Mass L×W×H (in mm)	430 × 81 × 75	484 × 84 × 65	415 × 84 × 65	416 × 84 × 65	349 × 84 × 65	352 × 74 × 57	218 × 79 × 88
Installed in model	G2 Goroc X G2 Gotour G2 Uproc EVO:X	G1 Uproc EVO:X G2 Uproc X G1 Gotour	G1 Gotour EL, G1 Uproc EVO:X, G2 Uproc X	G1 Gotour6 G3 Tandem	G1 Gotour6 G1 Ups- treet2 G1 Ups- treet1	G1 Uproc SL:X G1 Upstreet SL	G2 Uproc X G1 Uproc SL:X G2 Uproc EVO:X G1 Upstreet SL

Table 9: Specifications for Bosch batteries in use with Bosch mid-drive motors

2.2.3 Bosch chargers

Specification/ description	Charger		
	Bosch Standard Charger 4A BES2	Bosch Fast Charger 6A BES2	Bosch Standard Charger 4A Smart System
Battery compatibility (including charging time)	Bosch PowerTube 500 (4,5 h), Bosch PowerTube 625 (4,9 h)	Bosch PowerTube 625 (3,7 h)	Bosch PowerMore 250 (3,2 h) Bosch CompactTube 400 (3,5 h) Bosch PowerTube 625 (4,9 h) Bosch PowerTube 750 (6 h) Bosch PowerTube 800 (6,9 h)
Max. output power (in W)	198	290	198
Charger voltage (in V)	36	36	36
Max. charging current (in A)	4	6	4

Table 10: Specifications for Bosch chargers in use with Bosch batteries

2.3 Pinion drive

2.3.1 FIT mid-drive motor

Specification/ description	Motor		
	E.1.12	E.1.12S	E1.9
Pedal assist up to (in km/h)	25	45	25
Rated continuous power (in watts)	250	250	250
Max. output (in watts, 70 rpm)	600	800	600
Max. torque (in Nm)	Ca. 85 ⁶	Ca. 85 ⁶	Ca. 85 ⁶
Assistance levels (in %)			
• ECO	60	60	60
• FLOW	120	120	120
• FLEX	180	180	180
• FLY	400	400	400
Max. assistance (in %)	400	400	400
Weight (in kg)	4,1 (including Gearbox)	4,1 (including Gearbox)	4,0 (including Gearbox)
Installed in model	G1 Goroc TR:X G1 Upstreet TR:CF	G1 Goroc TR:X G1 Upstreet TR:CF	G1 Goroc TR

⁶ Comparable, virtual torque (Nm) converted to a 1:1 ratio of MGU input shaft to output shaft.

2.3.2 FIT batteries

Specification/ description	Battery		
	FIT TP-800 48V	FIT TP-700 48V	FIT RE-535 48V ⁷
Capacity (in Wh)	800	700	535
Min. energy content (in Ah)	16.9	15	11,2
Voltage (in V)	48	48	48
Weight (in kg)	3,8	4,0	2,8
Mass L×W×H (in mm)	422.5 × 74.6 × 69.9	414×83,2×80,01	309×108×87
Installed in model	G1 Goroc TR	G1 Goroc TR:X G1 Upstreet TR:CF	G1 Goroc TR:X G1 Upstreet TR:CF

EN

2.3.3 FIT chargers

Specification/ description	Charger
	48V 5A Pinion FIT
Battery compatibility (including charging time)	TP 800 48V FIT, 4,4 h TP 700 48V FIT, 4,3 h RE 535 48 V FIT, 3,3 h
Max. output power (in W)	260
Charger voltage (in V)	48
Max. charging current (in A)	5

⁷ The additional batteries can be ordered from specialist dealers and online services

3 Torques

3.1 Handlebar and stem

E-bike model	Torque per component (in Nm)									
	Handlebar grips	Brake lever	Gear lever	Display holder	Remote display	Remote Seat post	Handlebar on stem	Stem on fork tube	Speedlifter on fork tube	Angle adjustment of stem
G1 Gotour 5.43	3	6-8	2-2,5	2,5-3	1,5	-	5	5	5-6	-
G1 Gotour 5.43R	3	6-8	2-2,5	2,5-3	1,5	-	5	5	5-6	-
G1 Gotour 7.10	3	6-8	2,5-3,5	1	1,5	-	5	5	-	6
G1 Gotour 7.10 ABS	3	4	2,5-3,5	1	1,5	-	5	5	-	6
G1 Gotour 7.10 SE	3	6-8	2,5-3,5	1	1,5	-	5	5	-	6
G1 Gotour 7.12 XC	3	6-8	2,5-3,5	1	1,5	-	5	5	-	6
G1 Gotour 7.12 XC ABS	3	4	2,5-3,5	1	1,5	-	5	5	-	6
G1 Gotour 7.23	3	6-8	3	1	1,5	-	5	5	-	6
G1 Gotour 7.23 Auto	3	6-8	-	1	1,5	-	5	5	-	6
G1 Gotour 5.12 CX	3	5-7	2,5-3,5	1	1,5	-	5	5	-	-
G1 Gotour 5.23 CX	3	5-7	3	1	1,5	-	5	5	-	-
G1 Gotour 5.43 Comfort CX	3	6-8	2-2,5	1	1,5	-	5-6	5-6	1. 9-10 2. 2-3	-
G1 Gotour 5.43 Comfort NL CX	3	6-8	2-2,5	1	1,5	-	5-6	5-6	1. 9-10 2. 2-3	-
G1 Gotour 5.43 CX	3	6-8	2-2,5	1	1,5	-	5	5	-	-
G2 Gotour 5.10	3	6-8	2,5-3,5	2,5-3	0,6	-	5-6	9-10	-	-
G2 Gotour 7.10	3	6-8	2,5-3,5	1	0,6	-	5	5	-	6
G2 Gotour 7.12 XC	3	6-8	2,5-3,5	1	0,6	-	5	5	-	6
G2 Gotour 7.23	3	6-8	2,5-3,5	1	0,6	-	5	5	-	6
G2 Gotour 7.43	3	6-8	2,5-3,5	1	0,6	-	5	5	-	-
G2 Gotour 7.43 RN	3	6-8	2,5-3,5	1	0,6	-	5	5	-	-
G2 Gotour 7.43 R	3	6-8	2,5-3,5	1	0,6	-	5	5	-	-
G1 Gotour EL 3.12 XC	3	6-8	2,5-3,5	2,5-3	0,6	-	5-6	9-10	-	14-15
G1 Gotour EL 3.20	3	6-8	2,5-3,5	2,5-3	0,6	-	5-6	9-10	-	14-15
G1 Gotour EL 3.40	3	6-8	2-2,5	2,5-3	0,6	-	5-6	9-10	-	14-15
G1 Gotour3 7.43	3	4	2-2,5	1	1	-	5-6	9-10	-	11
G1 Gotour6 3.10	3	6-8	5	1	1	-	5-6	9-10	-	-
G1 Gotour6 3.40	3	6-8	2-2,5	1	1	-	5-6	9-10	-	-
G1 Gotour6 3.41R	3	6-8	2-2,5	1	1	-	5-6	9-10	-	-
G1 Gotour6 5.20	3	6-8	2-2,5	1	1	-	6	11	5-6	11
G1 Gotour6 5.40	3	6-8	2-2,5	1	1	-	6	11	5-6	11
G1 Gotour6 5.41R	3	6-8	2-2,5	1	1	-	6	11	5-6	11
G3 Tandem 7.70	3	6-8	3	1	1	-	6	11	-	11
G3 Tandem 7.83	3	6-8	1	1	1	-	6	11	5-6	11

Table 11: Torques for the handlebar and related components

3.2 Saddle and chainstay

E-bike model	Torque per component (in Nm)				
	Saddle frame	Seat post clamp	Upper damper	Lower damper	Rocker on seat tube
G1 Gotour 5.43	12	–	–	–	–
G1 Gotour 5.43R	12	–	–	–	–
G1 Gotour 7.10	9–10	–	–	–	–
G1 Gotour 7.10 ABS	9–10	–	–	–	–
G1 Gotour 7.10 SE	9–10	–	–	–	–
G1 Gotour 7.12 XC	9–10	–	–	–	–
G1 Gotour 7.12 XC ABS	9–10	–	–	–	–
G1 Gotour 7.23	9–10	–	–	–	–
G1 Gotour 7.23 Auto	9–10	–	–	–	–
G1 Gotour 5.12 CX	12	–	–	–	–
G1 Gotour 5.23 CX	12	–	–	–	–
G1 Gotour 5.43 Comfort CX	12	–	–	–	–
G1 Gotour 5.43 Comfort NL CX	12	–	–	–	–
G1 Gotour 5.43 CX	12	–	–	–	–
G2 Gotour 5.10	12	–	–	–	–
G2 Gotour 7.10	9–10	–	–	–	–
G2 Gotour 7.12 XC	9–10	–	–	–	–
G2 Gotour 7.23	9–10	–	–	–	–
G2 Gotour 7.43	9–10	–	–	–	–
G2 Gotour 7.43 RN	9–10	–	–	–	–
G2 Gotour 7.43 R	9–10	–	–	–	–
G1 Gotour EL 3.12 XC	9	–	–	–	–
G1 Gotour EL 3.20	9	–	–	–	–
G1 Gotour EL 3.40	9–10	–	–	–	–
G1 Gotour3 7.43	12–14	6–8	–	–	–
G1 Gotour6 3.10	17–19	6–8	–	–	–
G1 Gotour6 3.40	17–19	6–8	–	–	–
G1 Gotour6 3.41R	17–19	6–8	–	–	–
G1 Gotour6 5.20	17–19	6–8	–	–	–
G1 Gotour6 5.40	17–19	6–8	–	–	–
G1 Gotour6 5.41R	17–19	6–8	–	–	–
G3 Tandem 7.70	8–13	6–8	–	–	–
G3 Tandem 7.83	8–13	6–8	–	–	–

Table 12: Torques for the saddle and chainstay

3.3 Drive components

E-bike model	Torque per component (in Nm)										
	Motor bolts	Belt tensioner	Motor plate	Chaining bolts / front sprocket	Crank	Pedals	Battery rail	Battery mount	Battery lock	Derailleur / chain tensioner	Belt damper (Snubber)
G1 Gotour 5.43	28–30	–	–	25–30	45–55	34	4–6	–	4–6	–	–
G1 Gotour 5.43R	28–30	–	–	25–30	45–55	34	4–6	–	4–6	–	–
G1 Gotour 7.10	20–22	–	10	25–30	45–55	34	4–6	–	4–6	8–10	–
G1 Gotour 7.10 ABS	20–22	–	10	25–30	45–55	34	4–6	–	4–6	8–10	–
G1 Gotour 7.10 SE	20–22	–	10	25–30	45–55	34	4–6	–	4–6	8–10	–
G1 Gotour 7.12 XC	20–22	–	10	25–30	45–55	34	4–6	–	4–6	8–10	–
G1 Gotour 7.12 XC ABS	20–22	–	10	25–30	45–55	34	4–6	–	4–6	8–10	–
G1 Gotour 7.23	20–22	–	10	25–30	45–55	34	4–6	–	4–6	–	–
G1 Gotour 7.23 Auto	20–22	–	10	25–30	45–55	34	4–6	–	4–6	–	–
G1 Gotour 5.12 CX	20–22	–	10	25–30	45–55	34	4–6	–	4–6	8–10	–
G1 Gotour 5.23 CX	20–22	–	10	25–30	45–55	34	4–6	–	4–6	–	–
G1 Gotour 5.43 Comfort CX	20–22	–	10	25–30	45–55	34	4–6	–	4–6	–	–
G1 Gotour 5.43 Comfort NL CX	20–22	–	10	25–30	45–55	34	4–6	–	4–6	–	–
G1 Gotour 5.43 CX	20–22	–	10	25–30	45–55	34	4–6	–	4–6	–	–
G2 Gotour 5.10	30	–	20	25–30	45–55	34	–	4	3	8–10	–
G2 Gotour 7.10	30	–	20	25–30	45–55	34	–	4	3	8–10	–
G2 Gotour 7.12 XC	30	–	20	25–30	45–55	34	–	4	3	8–10	–
G2 Gotour 7.23	30	–	20	25–30	45–55	34	–	4	3	–	–
G2 Gotour 7.43	30	–	20	25–30	45–55	34	–	4	3	–	–
G2 Gotour 7.43 RN	30	–	20	25–30	45–55	34	–	4	3	–	–
G2 Gotour 7.43 R	TBD	–	20	25–30	45–55	34	–	4	3	–	–
G1 Gotour3 7.43	20–24	–	–	13	50	34	–	–	8–10	–	–
G1 Gotour6 3.10	28–30	–	9–11	25–30	45–55	34	4–6	–	4–6	8–10	–
G1 Gotour6 3.40	28–30	–	9–11	25–30	45–55	34	4–6	–	4–6	–	–
G1 Gotour6 3.41R	28–30	–	9–11	25–30	45–55	34	4–6	–	4–6	–	–
G1 Gotour6 5.20	28–30	–	9–11	30	45–55	34	4–6	–	4–6	8–10	–
G1 Gotour6 5.40	28–30	–	9–11	30	45–55	34	4–6	–	4–6	8–10	–
G1 Gotour6 5.41R	28–30	–	9–11	30	45–55	34	4–6	–	4–6	8–10	–
G3 Tandem 7.70	28–30	–	9–11	30	45–55	34	4–6	–	4–6	8–10	–
G3 Tandem 7.83	28–30	–	9–11	30	45–55	34	4–6	–	4–6	–	–
G1 Gotour EL 3.12 XC	28–30	–	13–15	25–30	45–55	34	–	4	3	8–10	–
G1 Gotour EL 3.20	28–30	–	13–15	25–30	45–55	34	–	4	3	8–10	–
G1 Gotour EL 3.40	28–30	–	13–15	25–30	45–55	34	–	4	3	8–10	–

Table 13: Torques for drive components

3.4 Wheel sets and brakes

E-bike model	Torque per component (in Nm)					
	Wheel nuts/ quick-release axle of rear wheel	Quick-release axle of front wheel	Brake caliper of disc brake	Cassette/ Rear sprocket	Speed sensor	Magnet
G1 Gotour 5.43	30–45	8–10	6–8	–	–	–
G1 Gotour 5.43R	30–45	8–10	6–8	–	–	–
G1 Gotour 7.10	–	8–10	6–8	30–50	–	–
G1 Gotour 7.10 ABS	–	8–10	6	30–50	–	–
G1 Gotour 7.10 SE	–	8–10	6–8	30–50	–	–
G1 Gotour 7.12 XC	–	8–10	6–8	30–50	–	–
G1 Gotour 7.12 XC ABS	–	8–10	6	30–50	–	–
G1 Gotour 7.23	30–40	8–10	6–8	–	–	–
G1 Gotour 7.23 Auto	30–40	8–10	6–8	–	–	–
G1 Gotour 5.12 CX	–	8–10	5–7	30–50	–	–
G1 Gotour 5.23 CX	30–40	8–10	5–7	–	–	–
G1 Gotour 5.43 Comfort CX	30–45	8–10	6–8	–	–	–
G1 Gotour 5.43 Comfort NL CX	30–45	8–10	6–8	–	–	–
G1 Gotour 5.43 CX	30–45	8–10	6–8	–	–	–
G2 Gotour 5.10	–	8–10	6–8	30–50	3	–
G2 Gotour 7.10	–	8–10	6–8	30–50	3	–
G2 Gotour 7.12 XC	–	8–10	6–8	30–50	3	–
G2 Gotour 7.23	30–40	8–10	6–8	–	3	–
G2 Gotour 7.43	30–45	8–10	6–8	–	3	–
G2 Gotour 7.43 RN	30–45	8–10	6–8	–	3	–
G2 Gotour 7.43 R	30–45	8–10	6–8	–	3	–
G1 Gotour6 3.40	30–45	21–26	6–8	–	3	1
G1 Gotour6 3.41R	30–45	21–26	6–8	–	3	1
G1 Gotour6 5.20	30–45	21–26	6–8	30–50	3	1
G1 Gotour6 5.40	30–45	21–26	6–8	30–50	3	1
G1 Gotour6 5.41R	–	21–26	6–8	30–50	3	1
G1 Gotour EL 3.12 XC	–	–	6–8	30–50	–	–
G1 Gotour EL 3.20	30–40	–	6–8	–	–	–
G1 Gotour EL 3.40	30–45	–	6–8	–	–	–
G3 Tandem 7.70	–	10	6–8	30–50	3	1
G3 Tandem 7.83	–	10	6–8	–	3	1

Table 14: Torques for the wheel set and its associated components

SWISS PREMIUM E-BIKES

FLYER

TECHNICAL DATA

NL Technische gegevens voor het Tour-segment

NL

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1 Eigen gewicht, goedkeuringen en maximumgewichten

i **Belangrijk:** Het werkelijke eigen gewicht van uw e-bike is afhankelijk van frametype, -maat en uitrusting. De hier vermelde gewichten werden bepaald zonder accu. Het uitrustingspecifieke eigen gewicht voor pedelecs is aangegeven op het typeplaatje dat op de pedelecs is aangebracht.

i **Belangrijk:** Het toegestane totaalgewicht omvat het eigen gewicht van de e-bike (met accu) en het gewicht van berijder, bagage en aanhanger (met belading). De gespecificeerde totale gewichten mogen in geen geval worden overschreden, dit kan leiden tot falen van de onderdelen.

Modelserie	Eigen gewicht	Max. toegestaan totaalgewicht ¹	Max. aanhangerbelasting ²	Kinderzitje op bagagedrager ²	Max. belasting bagagedrager ²
G1 Gotour EL	30 kg	150 kg	40 kg	niet toegestaan	25 kg
G1 Gotour	32 kg	150 kg	40 kg	ja ²	27 kg
G2 Gotour	34 kg	150 kg	40 kg	ja ²	27 kg
G1 Gotour6	30 kg	150 kg	40 kg	niet toegestaan	25 kg
G1 Gotour3	33 kg	180 kg	60 kg	ja ²	27 kg
G3 Tandem	41 kg	250 kg	60 kg	niet toegestaan	25 kg

Tabel 1: Eigen gewicht, goedkeuringen en maximumgewichten van de verschillende modelseries e-bikes

- 1 Maximaal toegestaan totaalgewicht: Eigen gewicht e-bike (incl. accu) + berijder + bagage + aanhanger (incl. lading).
- 2 High-speed modellen (HS) zijn niet goedgekeurd voor gebruik met aanhanger. Bij gebruik van een aanhanger neemt de maximale belastbaarheid van de bagagedrager en van het maximale systeemgewicht af met de maximale steunlast van de achterdriehoek van 8 kg.

2 Elektrisch aandrijfsysteem



Belangrijk: U vindt aanvullende technische gegevens van de onderdelen van uw elektrische aandrijving in de instructies van de fabrikant van uw elektrische aandrijfsysteem.³

2.1 Panasonic aandrijving

2.1.1 Panasonic middenmotor

Specificatie / beschrijving	Motor						
	GX Force Pro FIT	GX Force Pro Coaster FIT	GX Power Plus	GX Power Plus Coaster	GX Ultimate	GX Ultimate Eco FIT	GX Ultimate Pro FIT
Traponders- teuning tot (in km/h)	25	25	25	25	25 / 45	25	25 / 45
Nominaal con- tinuïvermogen (in watt)	250	250	250	250	250	250	250
Max. vermogen (in watt 70 tpm)	450	450	450	450	600	600	600
Max. koppel (in Nm)							
• Naafversnel- ling Nexus	75	75	75	75	75	75	75
• Andere naaf- versnellingen en derailleurs	75	75	75	75	90	–	95
Ondersteu- ningsniveau (in %)							
• ECO	70	70	70	70	70	70	70
• Standaard	150	150	150	150	150	150	150
• HIGH	300	300	300	300	300	300	300
• AUTO	70–300	70–300	70–300	70–300	70–300	70–300	70–300
Max. trapon- dersteuning (in %)	300	300	300	300	300	300	300
Gewicht (in kg)	3,2	3,2	3,2	3,2	2,9	2,9	2,9
Gemonteerd in model	G1 Upstreet	G1 Upstreet	G2 Upstreet5, G1 Gotour3	G2 Upstreet5	G1 Up- street3, G2 Up- street5	G1 Upstreet	G3 Uproc2, G1 Uproc X, G2 Goroc2, G1 Goroc X, G1 Upstreet

Tabel 2: Informatie over aandrijfsystemen met Panasonic middenmotor

³ In de instructies van de fabrikant van uw elektrische aandrijfsysteem vindt u in het bijzonder informatie over gebruiks- en opslagtemperaturen van de accu en oplader, over aansluitingen op het display incl. hun capaciteiten enz.

2.1.2 FLYER accu's

Specificatie / beschrijving	Accu		
	FLYER Seat Tube Battery STB-630	FLYER Smart Integrated Battery SIB-630	FLYER Smart Integrated Battery SIB-750
Capaciteit (in Wh)	630	630	750
Energie-inhoud min. (in Ah)	16,75	16,75	20,10
Spanning (in V)	36	36	36
Gewicht (in kg)	3,8	3,7	4,3
Massa l×b×h (in mm)	286×146×111	425×101×105	425×107×115
Gemonteerd in model	G1 Gotour3	G2 Upstreet5	G1 Upstreet3

Tabel 3: Informatie over FLYER accu's gebruikt met Panasonic middenmotoren

2.1.3 FLYER opladers

Specificatie / beschrijving	Oplader	
	FLYER Charger 4 A 36 V	FLYER Fast Charger 6 A 36 V
Accucompatibiliteit (incl. oplaadtijd)	FLYER Smart Integrated Battery SIB-630 (5,7 h), FLYER Seat Tube Battery STB-630 (5,7 h)	FLYER Smart Integrated Battery SIB-750 (4,5 h), FLYER Seat Tube Battery STB-630 (3,8 h), FLYER Seat Tube Battery STB-750 (4,5 h)
Max. uitgangsvermogen (in W)	168	252
Spanning oplader (in V)	36	36
Max. laadstroom (in A)	4	6

Tabel 4: Informatie over FLYER opladers gebruikt met FLYER accu's

2.1.4 FIT accu's

Specificatie / beschrijving	Accu		
	FIB-630 36 V FIT	FIB-750 36 V FIT	Range extender RE-540 36 V FIT ⁴
Capaciteit (in Wh)	630	750	540
Energie-inhoud min. (in Ah)	17,5	20,1	14,7
Spanning (in V)	36	36	36
Gewicht (in kg)	3,7	4,3	3,3
Massa l×b×h (in mm)	392×84×77	461×84×77	309×108×87
Gemonteerd in model	G1 Goroc X, G1 Uproc X, G1 Upstreet	G1 Uproc X, G1 Goroc X, G3 Uproc2, G2 Goroc2, G1 Upstreet	G1 Goroc X, G1 Upstreet

Tabel 5: Informatie over FIT accu's gebruikt met Panasonic middenmotoren

4 De extra accu's kunnen worden besteld via gespecialiseerde dealers en onlinediensten.

2.1.5 FIT opladers

Specificatie / beschrijving	Oplader	
	FIT Charger 4 A 36 V ⁵	FIT Fast Charger 6 A 36 V
Accucompatibiliteit (incl. oplaadtijd)	FIB-630 36 V FIT (5,7 h)	FIT RE-540 36 V (3,3 h), FIB-630 36 V FIT (3,8 h), FIB-750 36 V FIT (4,5 h)
Max. uitgangsvermogen (in W)	168	252
Spanning oplader (in V)	36	36
Max. laadstroom (in A)	4	6

Tabel 6: Informatie over FIT opladers gebruikt met FIT accu's

2.2 Bosch aandrijving

2.2.1 Bosch middenmotor

Specificatie / beschrijving	Motor				
	Smart System Performance Line BDU336Y	Smart System Performance Line CX BDU0374Y	Smart System Performance Line CX BDU384Y	Smart System Performance Line CX Race BDU376Y	Smart System Performance Line SX BDU314Y
Trapondersteuning tot (in km/h)	25	25	25	25	25
Nominaal continuvermogen (in watt)	250	250	250	250	250
Max. vermogen (in watt 70 tpm)	550	550	550	600	600
Max. koppel (in Nm)					
• Naafversnelling Nexus	75	–	85	–	–
• Andere naafversnellingen en derailleurs	75	85	85	85	55
Ondersteuningsniveau (in %)					
• ECO	60	60	60	60	60
• TOUR	140	140	140	140	140
• TOUR+	60–340	60–340	60–340	60–340	60–340
• AUTO	Adaptief tot max. 340	dynamisch Adaptief tot max. 340	dynamisch Adaptief tot max. 340	Adaptief tot max. 340	Adaptief tot max. 340
• SPRINT	–	–	–	–	60–280
• SPORT	240	240	240	240	240
• eMTB	140–340	140–340	140–340	140–340	140–340
• TURBO	340	340	340	340	340
• RACE	–	–	–	400	–
Max. trapondersteuning (in %)	340	340	340	400	340
Gewicht (in kg)	3,2	2,9	2,85	2,75	2,05
Gemonteerd in model	G1 Gotour G1 Gotour EL	G1 Gotour G2 Uproc X G1 Uproc EVO:X	G2 Gotour G2 Uproc EVO:X G2 Goroc X	G1 Uproc EVO:X	G1 Uproc SL:X G1 Uproc-treet SL

Tabel 7: Specificaties voor aandrijfsystemen met Bosch middenmotor 1/2

Specificatie / beschrijving	Motor		
	Active Line Plus BDU350	Performance Line BDU365	Performance Cargo Line CX BDU450
Trapondersteuning tot (in km/h)	25	25	25
Nominaal continuvermogen (in watt)	250	250	250
Max. vermogen (in watt 70 tpm)	365	440	600
Max. koppel (in Nm)			
• Naafversnelling Nexus	50	60	–
• Andere naafversnellingen en derailleurs	–	65	85
Ondersteuningsniveau (in %)			
• ECO	55	55	60
• TOUR	115	120	140
• SPORT	185	200	240
• TURBO	270	300	400
Max. trapondersteuning (in %)	270	300	400
Gewicht (in kg)	3,2	3,2	2,9
Gemonteerd in model	G1 Upstreet1, G1 Upstreet2, G1 Gotour6	G1 Upstreet1, G1 Upstreet2, G1 Gotour6	G3 Tandem

Tabel 8: Specificaties voor aandrijfsystemen met Bosch middenmotor 2/2

2.2.2 Bosch accu's

Specificatie / beschrijving	Bosch middenmotoren						
	Smart System Bosch Power- tube 800	Smart System Bosch PowerTube 750	Smart Sys- tem Bosch PowerTube 625	Bosch PowerT- ube 625	Bosch PowerT- ube 500	Smart System Bosch CompactTube 400	Smart System Bosch CompactTube 400
Capaciteit (in Wh)	800	750	625	625	500	400	250
Energie- inhoud min. (in Ah)	22,2	20,1	16,7	16,7	13,4	11,0	6,7
Spanning (in V)	36	36	36	36	36	36	36
Gewicht (in kg)	3,9	4,3	3,6	3,5	2,9	2,0	1,6
Massa l×b×h (in mm)	430 × 81 × 75	484 × 84 × 65	415 × 84 × 65	416 × 84 × 65	349 × 84 × 65	352 × 74 × 57	218 × 79 × 88
Gemonteerd in model	G2 Goroc X G2 Gotour G2 Uproc EVO:X	G1 Uproc EVO:X G2 Uproc X G1 Gotour	G1 Gotour EL, G1 Uproc EVO:X, G2 Uproc X	G1 Gotour6 G3 Tan- dem	G1 Gotour6 G1 Ups- treet2 G1 Ups- treet1	G1 Uproc SL:X G1 Upstreet SL	G2 Uproc X G1 Uproc SL:X G2 Uproc EVO:X G1 Upstreet SL

Tabel 9: Informatie over Bosch accu's gebruikt met Bosch middenmotoren

2.2.3 Bosch opladers

Specificatie / beschrijving	Oplader		
	Bosch Standard Charger 4A BES2	Bosch Fast Charger 6A BES2	Bosch Standard Charger 4A Smart System
Accucompatibiliteit (incl. oplaadtijd)	Bosch PowerTube 500 (4,5 h), Bosch PowerTube 625 (4,9 h)	Bosch PowerTube 625 (3,7 h)	Bosch PowerMore 250, 3.2 h Bosch CompactTube 400, 3.5 h Bosch PowerTube 625, 4.9 h Bosch PowerTube 750, 6 h Bosch PowerTube 800, 6.9 h
Max. uitgangsvermogen (in W)	198	290	198
Spanning oplader (in V)	36	36	36
Max. laadstroom (in A)	4	6	4

Table 10: Informatie over Bosch opladers gebruikt met Bosch accu's

2.3 Pinion aandrijving

2.3.1 FIT middenmotor

Specification/ description	Motor		
	E.1.12	E.1.12S	E1.9
Trapondersteuning tot (in km/h)	25	45	25
Nominaal continuvermogen (in watt)	250	250	250
Max. vermogen (in watt 70 tpm)	600	800	600
Max. koppel (in Nm)	Ca. 85 ⁶	Ca. 85 ⁶	Ca. 85 ⁶
Ondersteuningsniveau (in %)			
• ECO	60	60	60
• FLOW	120	120	120
• FLEX	180	180	180
• FLY	400	400	400
Max. trapondersteuning (in %)	400	400	400
Gewicht (in kg)	4,1 (including Gearbox)	4,1 (including Gearbox)	4,0 (including Gearbox)
Gemonteerd in model	G1 Goroc TR:X G1 Upstreet TR:CF	G1 Goroc TR:X G1 Upstreet TR:CF	G1 Goroc TR

6 Vergelijkbaar, virtueel koppel (Nm) omgerekend naar een verhouding van 1:1 tussen de ingaande as van de MGU en de uitgaande as.

2.3.2 FIT accu's

Specificatie / beschrijving	Accu		
	FIT TP-800 48V	FIT TP-700 48V	FIT RE-535 48V ⁷
Capaciteit (in Wh)	800	700	535
Energie-inhoud min. (in Ah)	16,9	15	11,2
Spanning (in V)	48	48	48
Gewicht (in kg)	3,8	4,0	2,8
Massa l×b×h (in mm)	422,5 × 74,6 × 69,9	414×83,2×80,01	309×108×87
Gemonteerd in model	G1 Goroc TR	G1 Goroc TR:X G1 Upstreet TR:CF	G1 Goroc TR:X G1 Upstreet TR:CF

NL

2.3.3 FIT opladers

Specificatie / beschrijving	Oplader
	48V 5A Pinion FIT
Accucompatibiliteit (incl. oplaadtijd)	TP 800 48V FIT, 4,4 h TP 700 48V FIT, 4,3 h RE 535 48 V FIT, 3,3 h
Max. uitgangsvermogen (in W)	260
Spanning oplader (in V)	48
Max. laadstroom (in A)	5

⁷ Die Zusatzakkus können via Fachhandel und Onlinedienste bestellt werden

3 Aanhaalmomenten

3.1 Stuur en stuurpen

E-bikemodel	Aanhaalmoment per onderdeel (in Nm)									
	Handvatten	Remhendel	Schakelhendel	Displayhouder	Remote Display	Remote zadelpen	Stuur op stuurpen	Stuurpen op stuurhuis	Speedlifter op balhoofdbuis	Hoekverstelling stuurpen
G1 Gotour 5.43	3	6-8	2-2,5	-	1,5	-	5	5	5-6	-
G1 Gotour 5.43R	3	6-8	2-2,5	-	1,5	-	5	5	5-6	-
G1 Gotour 7.10	3	6-8	2,5-3,5	1	1,5	-	5	5	-	6
G1 Gotour 7.10 ABS	3	4	2,5-3,5	1	1,5	-	5	5	-	6
G1 Gotour 7.10 SE	3	6-8	2,5-3,5	1	1,5	-	5	5	-	6
G1 Gotour 7.12 XC	3	6-8	2,5-3,5	1	1,5	-	5	5	-	6
G1 Gotour 7.12 XC ABS	3	4	2,5-3,5	1	1,5	-	5	5	-	6
G1 Gotour 7.23	3	6-8	3	1	1,5	-	5	5	-	6
G1 Gotour 7.23 Auto	3	6-8	-	1	1,5	-	5	5	-	6
G1 Gotour 5.12 CX	3	5-7	2,5-3,5	1	1,5	-	5	5	-	-
G1 Gotour 5.23 CX	3	5-7	3	1	1,5	-	5	5	-	-
G1 Gotour 5.43 Comfort CX	3	6-8	2-2,5	1	1,5	-	5-6	5-6	1. 9-10 2. 2-3	-
G1 Gotour 5.43 Comfort NL CX	3	6-8	2-2,5	1	1,5	-	5-6	5-6	1. 9-10 2. 2-3	-
G1 Gotour 5.43 CX	3	6-8	2-2,5	1	1,5	-	5	5	-	-
G2 Gotour 5.10	3	6-8	2,5-3,5	-	0,6	-	5-6	9-10	-	-
G2 Gotour 7.10	3	6-8	2,5-3,5	1	0,6	-	5	5	-	6
G2 Gotour 7.12 XC	3	6-8	2,5-3,5	1	0,6	-	5	5	-	6
G2 Gotour 7.23	3	6-8	2,5-3,5	1	0,6	-	5	5	-	6
G2 Gotour 7.43	3	6-8	2,5-3,5	1	0,6	-	5	5	-	-
G2 Gotour 7.43 RN	3	6-8	2,5-3,5	1	0,6	-	5	5	-	-
G2 Gotour 7.43 R	3	6-8	2,5-3,5	1	0,6	-	5	5	-	-
G1 Gotour EL 3.12 XC	3	6-8	2,5-3,5	-	0,6	-	5-6	9-10	-	-
G1 Gotour EL 3.20	3	6-8	2,5-3,5	-	0,6	-	5-6	9-10	-	-
G1 Gotour EL 3.40	3	6-8	2-2,5	-	0,6	-	5-6	9-10	-	-
G1 Gotour3 7.43	3	4	2-2,5	1	1	-	5-6	9-10	-	11
G1 Gotour6 3.10	3	6-8	5	1	1	-	5-6	9-10	-	-
G1 Gotour6 3.40	3	6-8	2-2,5	1	1	-	5-6	9-10	-	-
G1 Gotour6 3.41R	3	6-8	2-2,5	1	1	-	5-6	9-10	-	-
G1 Gotour6 5.20	3	6-8	2-2,5	1	1	-	6	11	5-6	11
G1 Gotour6 5.40	3	6-8	2-2,5	1	1	-	6	11	5-6	11
G1 Gotour6 5.41R	3	6-8	2-2,5	1	1	-	6	11	5-6	11
G3 Tandem 7.70	3	6-8	3	1	1	-	6	11	-	11
G3 Tandem 7.83	3	6-8	1	1	1	-	6	11	5-6	11

Tabel 11: Aanhaalmomenten voor het stuur en daarmee verbonden onderdelen

3.2 Zadel en achterdriehoek

E-bikemodel	Aanhaalmoment per onderdeel (in Nm)				
	Zadelframe	Zadelpenklem	Schokdemper boven	Schokdemper onder	Rocker op zadelbuis
G1 Gotour 5.43	12	–	–	–	–
G1 Gotour 5.43R	12	–	–	–	–
G1 Gotour 7.10	9–10	–	–	–	–
G1 Gotour 7.10 ABS	9–10	–	–	–	–
G1 Gotour 7.10 SE	9–10	–	–	–	–
G1 Gotour 7.12 XC	9–10	–	–	–	–
G1 Gotour 7.12 XC ABS	9–10	–	–	–	–
G1 Gotour 7.23	9–10	–	–	–	–
G1 Gotour 7.23 Auto	9–10	–	–	–	–
G1 Gotour 5.12 CX	12	–	–	–	–
G1 Gotour 5.23 CX	12	–	–	–	–
G1 Gotour 5.43 Comfort CX	12	–	–	–	–
G1 Gotour 5.43 Comfort NL CX	12	–	–	–	–
G1 Gotour 5.43 CX	12	–	–	–	–
G2 Gotour 5.10	12	–	–	–	–
G2 Gotour 7.10	9–10	–	–	–	–
G2 Gotour 7.12 XC	9–10	–	–	–	–
G2 Gotour 7.23	9–10	–	–	–	–
G2 Gotour 7.43	9–10	–	–	–	–
G2 Gotour 7.43 RN	9–10	–	–	–	–
G2 Gotour 7.43 R	9–10	–	–	–	–
G1 Gotour EL 3.12 XC	9	–	–	–	–
G1 Gotour EL 3.20	9	–	–	–	–
G1 Gotour EL 3.40	9–10	–	–	–	–
G1 Gotour3 7.43	12–14	6–8	–	–	–
G1 Gotour6 3.10	17–19	6–8	–	–	–
G1 Gotour6 3.40	17–19	6–8	–	–	–
G1 Gotour6 3.41R	17–19	6–8	–	–	–
G1 Gotour6 5.20	17–19	6–8	–	–	–
G1 Gotour6 5.40	17–19	6–8	–	–	–
G1 Gotour6 5.41R	17–19	6–8	–	–	–
G3 Tandem 7.70	8–13	6–8	–	–	–
G3 Tandem 7.83	8–13	6–8	–	–	–

Tabel 12: Aanhaalmomenten voor het zadel en de achterdriehoek

3.3 Onderdelen van de aandrijving

E-bikemodel	Aanhaalmoment per onderdeel (in Nm)										
	Motorbouten	Riemspanner	Motorafdek- plaat	Kettingblad- bouten/ Achter- kettingswiel	Crank	Pedalen	Batterijhouder	Accuhouder	Accuslot	Derailleur / kettingspanner	Riemdemper (Snubber)
G1 Gotour 5.43	28-30	-	-	25-30	45-55	34	4-6	-	4-6	-	-
G1 Gotour 5.43R	28-30	-	-	25-30	45-55	34	4-6	-	4-6	-	-
G1 Gotour 7.10	20-22	-	10	25-30	45-55	34	4-6	-	4-6	8-10	-
G1 Gotour 7.10 ABS	20-22	-	10	25-30	45-55	34	4-6	-	4-6	8-10	-
G1 Gotour 7.10 SE	20-22	-	10	25-30	45-55	34	4-6	-	4-6	8-10	-
G1 Gotour 7.12 XC	20-22	-	10	25-30	45-55	34	4-6	-	4-6	8-10	-
G1 Gotour 7.12 XC ABS	20-22	-	10	25-30	45-55	34	4-6	-	4-6	8-10	-
G1 Gotour 7.23	20-22	-	10	25-30	45-55	34	4-6	-	4-6	-	-
G1 Gotour 7.23 Auto	20-22	-	10	25-30	45-55	34	4-6	-	4-6	-	-
G1 Gotour 5.12 CX	20-22	-	10	25-30	45-55	34	4-6	-	4-6	8-10	-
G1 Gotour 5.23 CX	20-22	-	10	25-30	45-55	34	4-6	-	4-6	-	-
G1 Gotour 5.43 Comfort CX	20-22	-	10	25-30	45-55	34	4-6	-	4-6	-	-
G1 Gotour 5.43 Comfort NL CX	20-22	-	10	25-30	45-55	34	4-6	-	4-6	-	-
G1 Gotour 5.43 CX	20-22	-	10	25-30	45-55	34	4-6	-	4-6	-	-
G2 Gotour 5.10	30	-	20	25-30	45-55	34	-	4	3	8-10	-
G2 Gotour 7.10	30	-	20	25-30	45-55	34	-	4	3	8-10	-
G2 Gotour 7.12 XC	30	-	20	25-30	45-55	34	-	4	3	8-10	-
G2 Gotour 7.23	30	-	20	25-30	45-55	34	-	4	3	-	-
G2 Gotour 7.43	30	-	20	25-30	45-55	34	-	4	3	-	-
G2 Gotour 7.43 RN	30	-	20	25-30	45-55	34	-	4	3	-	-
G2 Gotour 7.43 R	TBD	-	20	25-30	45-55	34	-	4	3	-	-
G1 Gotour3 7.43	20-24	-	-	13	50	34	-	-	8-10	-	-
G1 Gotour6 3.10	28-30	-	9-11	25-30	45-55	34	4-6	-	4-6	8-10	-
G1 Gotour6 3.40	28-30	-	9-11	25-30	45-55	34	4-6	-	4-6	-	-
G1 Gotour6 3.41R	28-30	-	9-11	25-30	45-55	34	4-6	-	4-6	-	-
G1 Gotour6 5.20	28-30	-	9-11	30	45-55	34	4-6	-	4-6	8-10	-
G1 Gotour6 5.40	28-30	-	9-11	30	45-55	34	4-6	-	4-6	8-10	-
G1 Gotour6 5.41R	28-30	-	9-11	30	45-55	34	4-6	-	4-6	8-10	-
G3 Tandem 7.70	28-30	-	9-11	30	45-55	34	4-6	-	4-6	8-10	-
G3 Tandem 7.83	28-30	-	9-11	30	45-55	34	4-6	-	4-6	-	-
G1 Gotour EL 3.12 XC	28-30	-	13-15	25-30	45-55	34	-	4	3	8-10	-
G1 Gotour EL 3.20	28-30	-	13-15	25-30	45-55	34	-	4	3	8-10	-
G1 Gotour EL 3.40	28-30	-	13-15	25-30	45-55	34	-	4	3	8-10	-

Tabel 13: Aanhaalmomenten voor onderdelen van de aandrijving

3.4 Wielen en remmen

E-bikemodel	Aanhaalmoment per onderdeel (in Nm)					
	Wielmoeren / steekas achterwiel	Steekas voorwiel	Remklauw schijfrem	Cassette/ Achterkettingwiel	Snelheidsensor	Magneet
G1 Gotour 5.43	30–45	8–10	6–8	–	–	–
G1 Gotour 5.43R	30–45	8–10	6–8	–	–	–
G1 Gotour 7.10	–	8–10	6–8	30–50	–	–
G1 Gotour 7.10 ABS	–	8–10	6	30–50	–	–
G1 Gotour 7.10 SE	–	8–10	6–8	30–50	–	–
G1 Gotour 7.12 XC	–	8–10	6–8	30–50	–	–
G1 Gotour 7.12 XC ABS	–	8–10	6	30–50	–	–
G1 Gotour 7.23	30–40	8–10	6–8	–	–	–
G1 Gotour 7.23 Auto	30–40	8–10	6–8	–	–	–
G1 Gotour 5.12 CX	–	8–10	5–7	30–50	–	–
G1 Gotour 5.23 CX	30–40	8–10	5–7	–	–	–
G1 Gotour 5.43 Comfort CX	30–45	8–10	6–8	–	–	–
G1 Gotour 5.43 Comfort NL CX	30–45	8–10	6–8	–	–	–
G1 Gotour 5.43 CX	30–45	8–10	6–8	–	–	–
G2 Gotour 5.10	–	8–10	6–8	30–50	3	–
G2 Gotour 7.10	–	8–10	6–8	30–50	3	–
G2 Gotour 7.12 XC	–	8–10	6–8	30–50	3	–
G2 Gotour 7.23	30–40	8–10	6–8	–	3	–
G2 Gotour 7.43	30–45	8–10	6–8	–	3	–
G2 Gotour 7.43 RN	30–45	8–10	6–8	–	3	–
G2 Gotour 7.43 R	30–45	8–10	6–8	–	3	–
G1 Gotour6 3.40	30–45	21–26	6–8	–	3	1
G1 Gotour6 3.41R	30–45	21–26	6–8	–	3	1
G1 Gotour6 5.20	30–45	21–26	6–8	30–50	3	1
G1 Gotour6 5.40	30–45	21–26	6–8	30–50	3	1
G1 Gotour6 5.41R	–	21–26	6–8	30–50	3	1
G1 Gotour EL 3.12 XC	–	–	6–8	30–50	–	–
G1 Gotour EL 3.20	30–40	–	6–8	–	–	–
G1 Gotour EL 3.40	30–45	–	6–8	–	–	–
G3 Tandem 7.70	–	10	6–8	30–50	3	1
G3 Tandem 7.83	–	10	6–8	–	3	1

Tabel 14: Aanhaalmomenten voor de wielen en daarmee verbonden onderdelen

