Technical details

Tern HSD P5i Gen. 3, Perf., 545wh

General Info

Generation: Gen 3
Speeds: 1 x 5
Weight: 28.1 kg (61.9 lb)
Gear Inches: 38" - 99" (2.99 - 7.88 m)
Frame Sizes: One size
Bike Size: 174 × 112.5 × 68 cm (68.5 × 44.3 × 26.8 in)
Wheelbase: 119 cm (46.9 in)
Standover Height: 48.5 cm (19.1 in)
Folding Size: 166 × 42 × 87 cm (65.4 × 16.5 × 34.3 in)
Folding Time: 5 seconds
Distance: Seatpost to Handlebar: 52 - 59 cm (20.5 - 23.2 in)
Distance: Saddle to Pedal: 68 - 101 cm (26.8 - 39.8 in)
Suggested Rider Height: 150 - 200 cm (59.1 - 78.7 in)
Max Gross Vehicle Weight: 190 kg (418.9 lb)
Max Rider Weight: 130 kg (286.6 lb)

Frame

Frame: Tern HSD, 6061-AL, patented design, EN17860 certified: 190 kg
Fork: Suntour custom for Tern, 32 mm stanchions, Thru-axle, EN17860 certified: 190 kg

Cockpit

Handlepost: Tern Physis 3D, 3D forged, 5 patented technologies, 12°, 320 mm
Stem: Tern Andros, adjustable, forged construction, patented technology
Headset: Tern Flux Pro Taper by FSA, 1.5", angular contact bearings, Physis integrated
Handlebar: Tern Sweep, 6061-AL, Tern Andros adapted
Grips/Bar Tape: Ergon
Saddle: Tern by Velo
Seatpost: Tern VLT 41/34.9mm, with LightAction levers
Seatpost Clamp: Tern Collar

Brakes

Front Brake: Magura, hydraulic disc, 180 mm rotor
Rear Brake: Magura, hydraulic disc, 180 mm rotor
Brake Levers: Magura, hydraulic disc
Brake Cable & Housing: Magura, hydraulic disc

Wheels

Front Wheel: Tern Atlas H, cargo wheel
Rear Wheel: Tern Atlas H, cargo wheel
Front Hub: Novatec, Thru-axle, sealed bearings
Rear Hub: Shimano Nexus 5
Spokes & Nipples: Stainless steel
Rims: Tern Atlas H, cargo
Tires: Schwalbe Big Apple, 55-406, puncture protection, Reflex

Transmission

Shifter: Shimano Nexus 5
Crankset: Tern HSD, Gates CDX CNC machined beltring
Cassette/Freewheel: Gates CDX, precision CNC machined cog
Bottom Bracket: Motor integrated
Chain: Gates Carbon Drive CDX belt
Pedals: Urban with non-slip surface, sealed bearings
Shift Cables & Housing: Shimano

E-System

Motor: Bosch Performance (BDU34), 340% Assist, 75 Nm Torque, max speed 25 km/h (EU); max speed 20 mph (US)
Battery: Bosch PowerPack 545
Display: Bosch Purion 200, connectivity with Bosch eBike Flow app, electronic bike lock
Range: 545/540 Wh: 56-107 km (35-67 mi)
Charger: Fast Charging, 220V, 4A (EU); 100-240V, 4A (US)

Bells & Whistles

Bell: Pitch Plus, brass
Chainguard: Tern Custom, full chain cover
Kickstand: Ursus, rear mount
Luggage Socket: Tern Combo Mount
Front Light: Tern Valo Direct, 190 lumens
Rear Light: Herrmans LED
Fenders: Aluminum, stainless hardware
Rack: Atlas H rack, 6 point mounting, ISO 11243:2023 certification: 80 kg
Frame Lock: AXA, keyed-alike with Bosch battery