



Aliquis presenterar en nyutvecklad elektrisk Suberbike och Café Racer med navstyrning.

Det är en modern motorcykel med extrema prestanda och många innovativa lösningar.

- ISR navstyrning med framsving fräst i solid aluminium.
- Öhlins enkeldämpare fram och bak.
- YASA 400 elektrisk motor med 328Nm vridmoment, vikt 22kg.

Navstyrningen tillsammans med chassi, fjädrings- och bromskomponenterna ger bättre väggänsla jämfört med en traditionell framgaffel.

Den elektriska motorn har låg vikt, högt vridmoment och ingen inre friktion. Motorn tillsammans med kontrollenheten är ett slutet system och underhållsfritt i ca 15 år.

Besök oss i monter A31:49 på MC Mässan 22-25 januari 2015.

Model: Aliquis A1E, Electric Superbike and Café Racer (Electric Motorcycle)

A1E Motor

Motor Type: YASA-400, Advanced Axial Flux Motor
Motor Controller: Sevcon Gen 4 Size 8
Peak Motor Power: 93Kw @ 4500 rpm (126 bhp)
Peak Continuous Current: 100 Amps
Max Motor Torque: 328Nm (242 ft lb)
Final Drive: Direct Chain Drive, 530 X-ring chain, 2.7 to 3.5 (14T-18T front /35T rear) depending on customer needs
Emission: Zero

Battery Pack (High Voltage)

Battery Type: 110 pcs A123 Li-Ion batteries, 19.5 Ah
Battery Pack Capacity: 7.1 kWh (nominal), 7.7 kWh (max)
Battery Pack Voltage: 363V (nominal)
Battery Life: 1,500 cycles
Recharge Time: Approx. 5hrs

Battery Pack (Low Voltage)

Battery Type: 8 pcs A123 Li-Ion batteries, 5 Ah
Battery Pack Capacity: 0.06 kWh (nominal)
Battery Pack Voltage: 13.2V (nominal)
Battery Life: 1,500 cycles
Recharge Time: Approx. 30 min

A1E Performance

A1E Performance: 250 km/h (or up to 300 km/h depending on final drive ratio).
Driving Range: Combined 95Km (estimated, 50% city and 50% highway)
Regenerative Braking: Under deceleration, energy is returned back in to the battery to extend driving range.
Battery Life: 1,500 cycles
Data Collection: CAN interface, Sevcon ClearView and Gen 4 Size 8

A1E Dimensions

Weight: Approx 200kg
Wheelbase: 1460 mm
Color: Blue

A1E Key Components

Frame: Steel spaceframe, chrome moly TIG welded, fabricated by ISR in Sweden
Bodywork: Fiberglass and carbon fiber
Front Swingarm: Aluminum, Fabricated by ISR in Sweden
Hub Centre Steering: Aluminum, Fabricated by ISR in Sweden
Rear Swingarm: Aluminum, Fabricated by ISR in Sweden
Suspension -Front: Öhlins, adjustable single shock
Suspension -Rear: Öhlins, adjustable single shock
Brakes -Front: ISR dual disk with two ISR six piston hydraulic brake calipers
Brakes -Rear: ISR single disk with one ISR four piston hydraulic brake calipers
Wheels (Front/Rear): 17"x3.5" BMW / 17"x5.5" BMW
Tires (Front): 120/70-17 Pirelli Diablo Rosso Corsa ZR17 TL 58(W) M/C
Tires (Rear): 180/55-17 Pirelli Diablo Rosso Corsa ZR17 TL 73(W) M/C
Headlights: E-marked Xenon lights, Hi and Lo beam with angel and demon eye
Lights: E-marked Led tail, brake and indicator lights
Instrumentation: Sevcon ClearView LCD display; speed, tach, odometer, drive position, energy consumption, battery status, estimated range and system status

A1E Price

Retail Price: Please contact anders@aliquis.se for details