

5 KW INTEGRATED DRIVE

HIGH PERFORMANCE AC MOTOR (5KW) WITH
INTEGRATED CONTROLLER AND BRAKE

NAVITAS
VEHICLE SYSTEMS

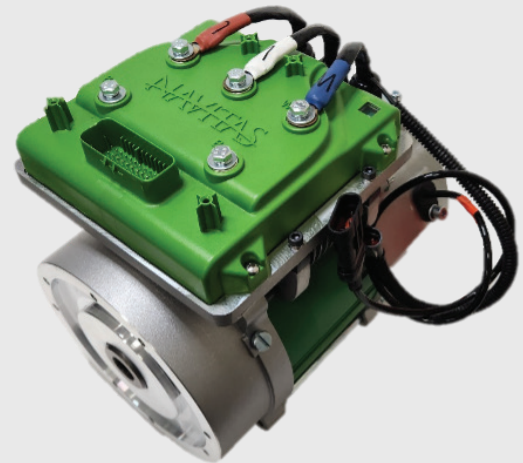
- Integrated controller design eliminates long high current wiring connections
- State of the art MOSFET technology
- Regenerative braking
- Waterproof connector
- Thermal protection
- Under voltage protection
- Rollback protection
- Speed-limiting (w/ optional speed sensor)
- Compatible with Navitas CAN programmer

SIMPLICITY

- The integrated motor and controller simplify vehicle wiring and eliminate long runs of large gauge wiring

FLEXIBILITY

- Fully programmable using access limited engineering apps and publicly available end user apps for smart phones, tablets and PC's
- Programmable low-voltage battery discharge interrupt (BDI) cutbacks will limit motor current to extend the battery charge



MOTOR FEATURES:

- High Quality AC Induction Motor
- External Speed Sensor
- Internal Temperature Sensor
- Steel And Aluminum Construction
- High Torque with High Speed

APPLICATIONS:

- Golf Car
- Utility Vehicle
- Personnel Carriers
- UTV
- Hunting buggies

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COMMUNICATIONS

- Integrated LEDs flash information and error codes for basic controller diagnostics
- Protected I/O connections
- CAN network support

SAFETY

- Regenerative braking provides vehicle speed control at any throttle position when going down ramps and channels the extra energy back into the batteries for longer battery life
- Adjustable regen settings allow for braking strength to be tailored to the specific vehicle for safety during stopping and forward/reverse transitions
- Safe-Sequencing including high pedal disable (HPD) and static-return-to-off (SRO) interlock ensure safe startup and vehicle operation
- Controlled motor and power stage temperature cutbacks ensures there is no sudden loss of power under any thermal condition

APPS AND CONFIGURATION TOOLS

- Various iOS and Android apps for smart phones and tablets are available at the App Store and Google Play

TECHNICAL DATA:

MOTOR SPECIFICS	
Type of Motor	AC Induction
Rated Power	5 KW
Rated Voltage	36 V (AC) RMS
Rated Current	113A
Rated Speed	2785 RPM
Frequency	0-200 Hz
RPM	0~5785 RPM
Splines	19
Insulation Class	H
Protection Mode	IP44
Brake Voltage	48V \pm 10%
Static Torque	46 Nm

CONTROLLER SPECIFICS	
Supply Voltage	48-72V DC
Current	Up to 600A
Protection Mode	IP65
Communication	CAN/Bluetooth

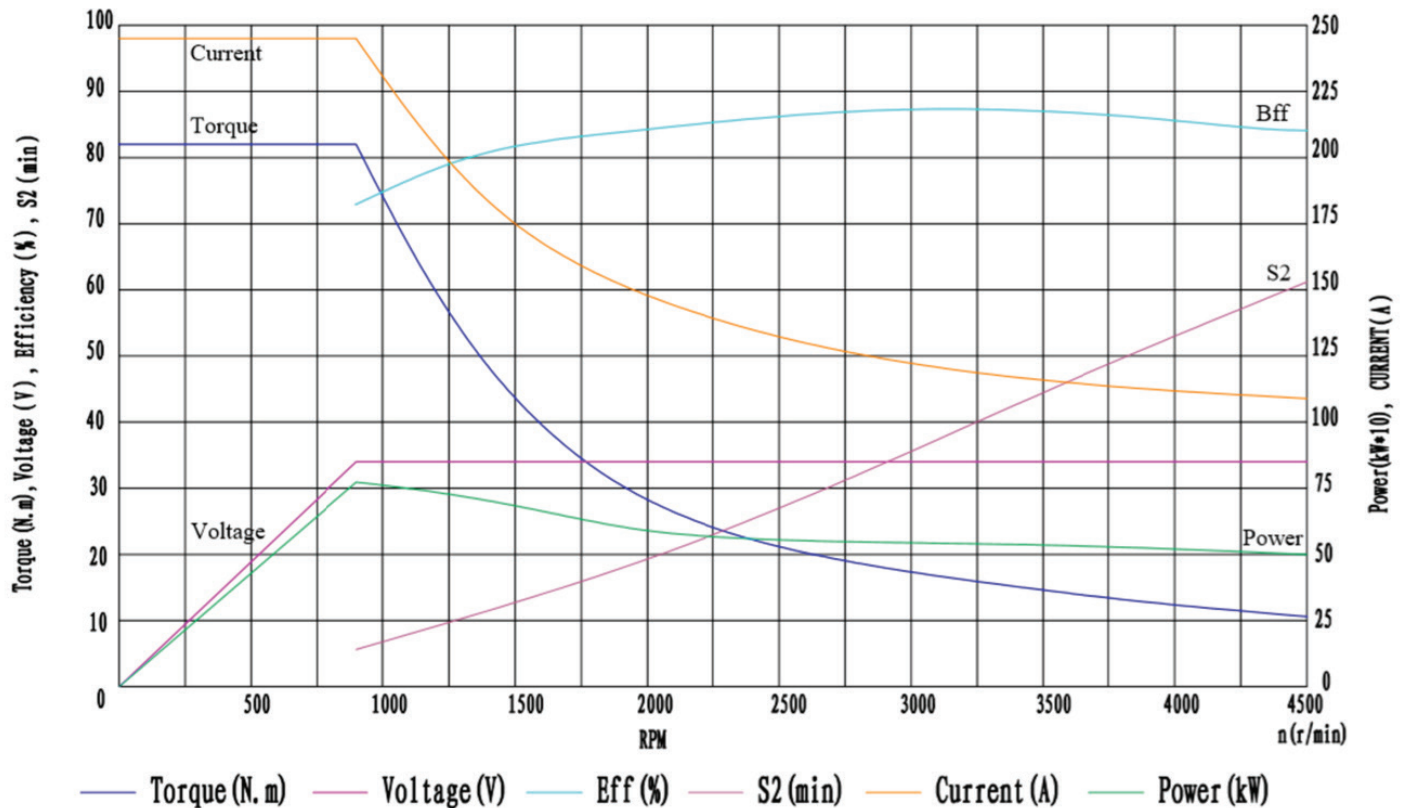
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10-001001 MOTOR PERFORMANCE (AC 36V 5KW S2:60MIN)

10-000822 Motor Performance (AC: 34V 5kW S2: 60min)

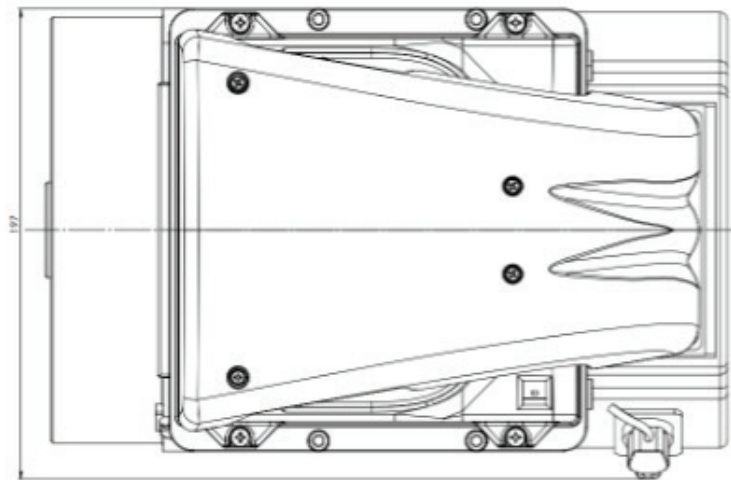
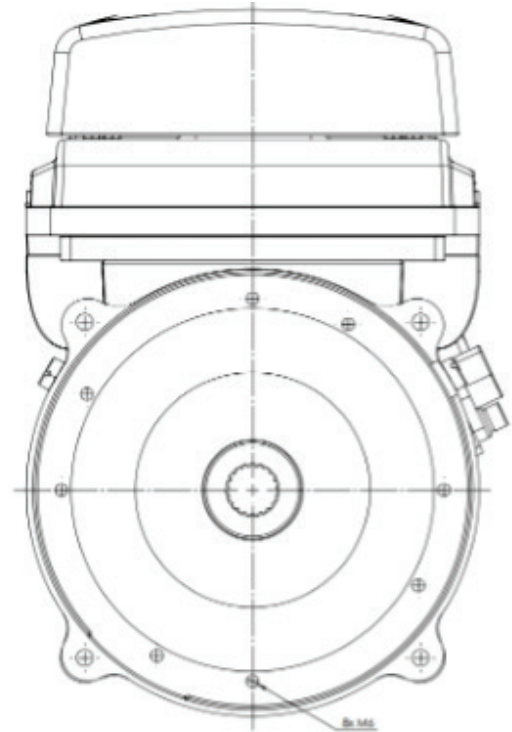
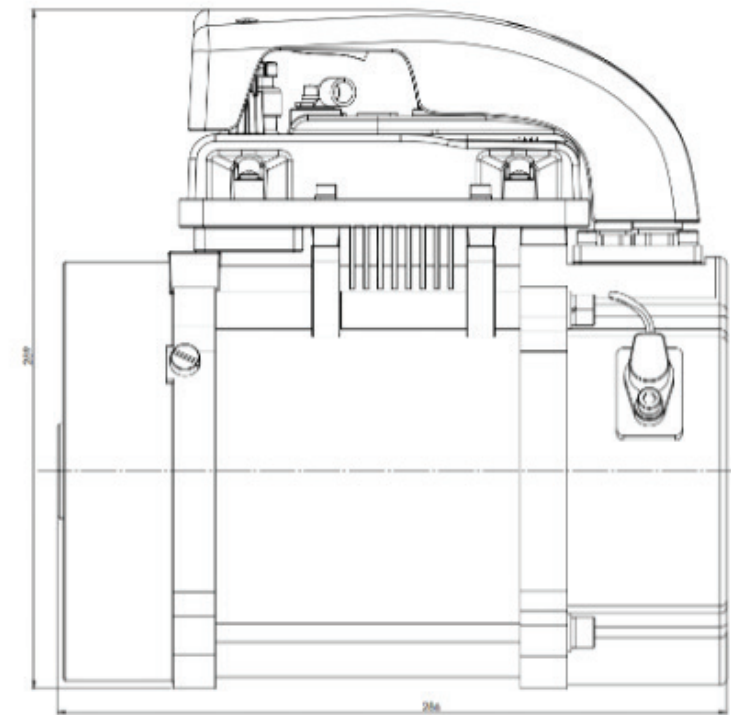


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0-001001 5KW AC MOTOR WITH INTEGRATED MOTOR CONTROL AND BRAKE



NOTE: Specifications subject to change without notice