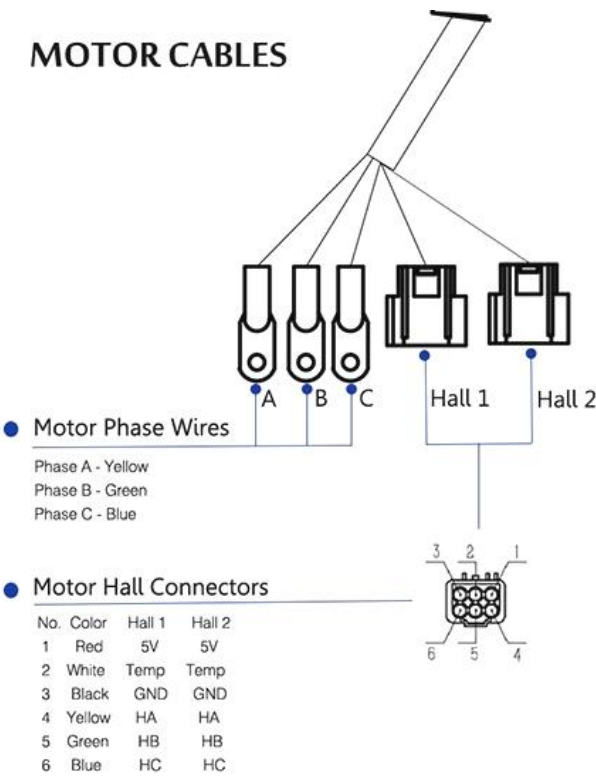


QS Motor

Manual & Drawing

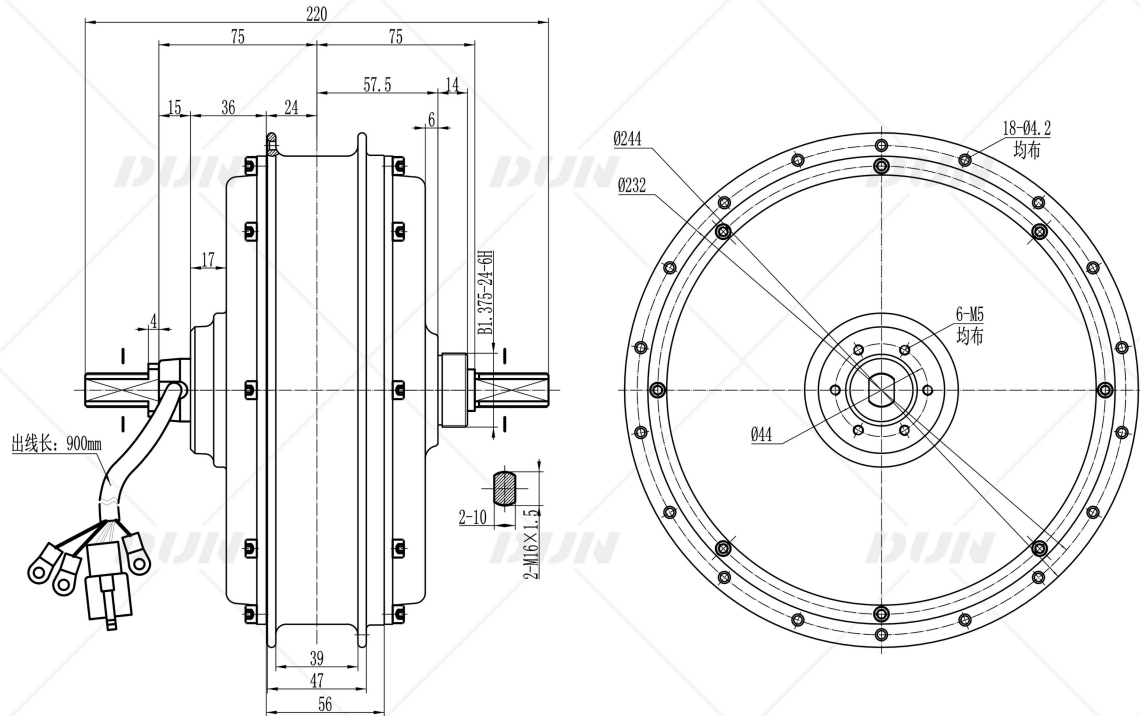
QS Hub Motor Cables

MOTOR CABLES



For QS Motor Different Version:
V1 with one Hall,
V2, V3, V4 with two Halls.(one hall for spare)
Note: power less then 1kw without temp sensor.

QS205 3000W 50H V3 Spoke Hub Motor



Motor Specification

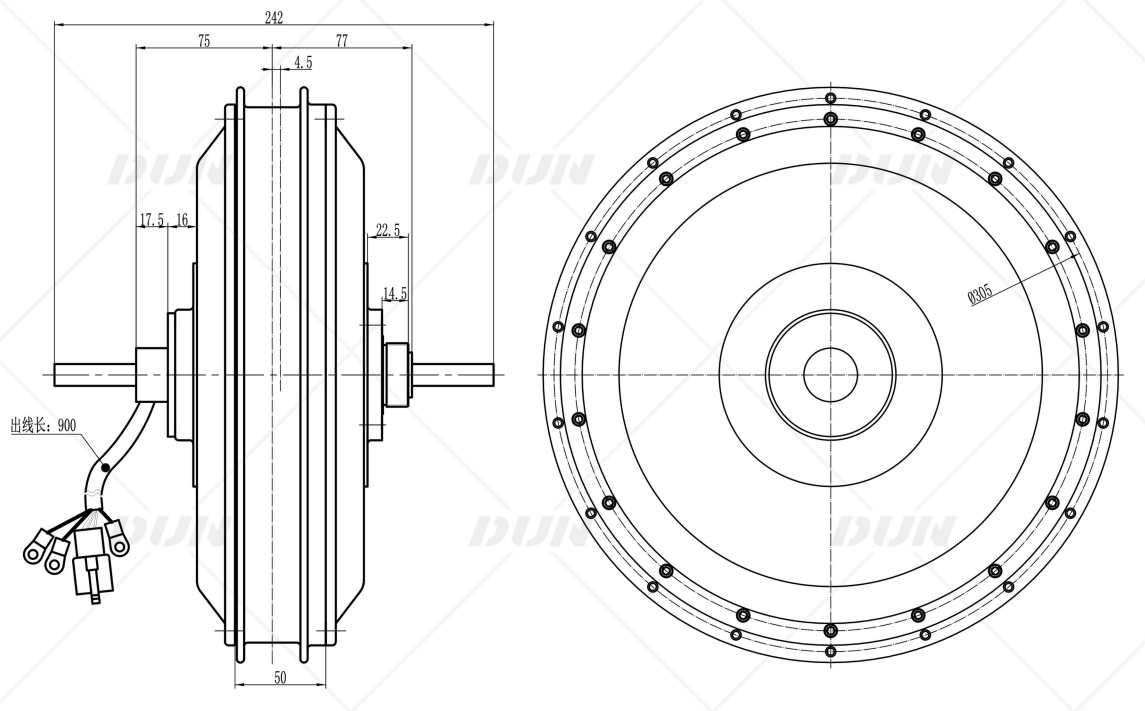
Magnet Height: 50mm, 16 pole pairs

Stator: Aluminum Core

Rated Power: 3KW, Peak Power: 6KW

Drop-outs/Rear fork width for installation: 150mm

QS273 4000W 40H V3 Spoke Hub Motor



Motor Specification

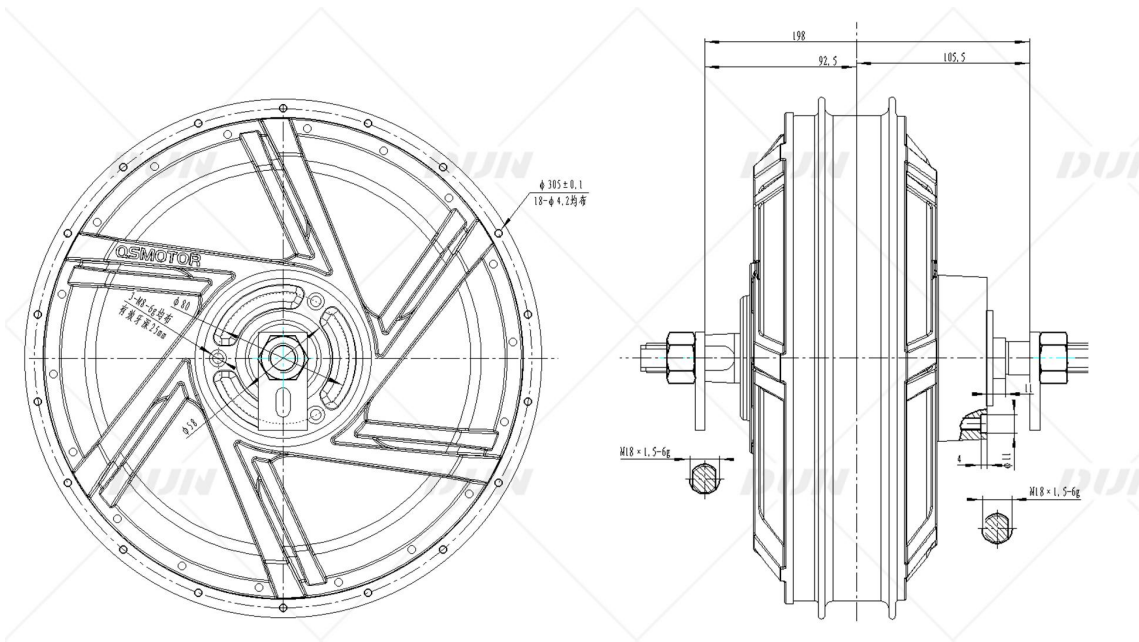
Magnet Height: 40mm, 16 pole pairs

Stator: Aluminum Core

Rated Power: 4KW, Peak Power: 8KW

Drop-outs/Rear fork width for installation: 152mm

QS273 8000W 50H V3 Spoke Hub Motor



Motor Specification

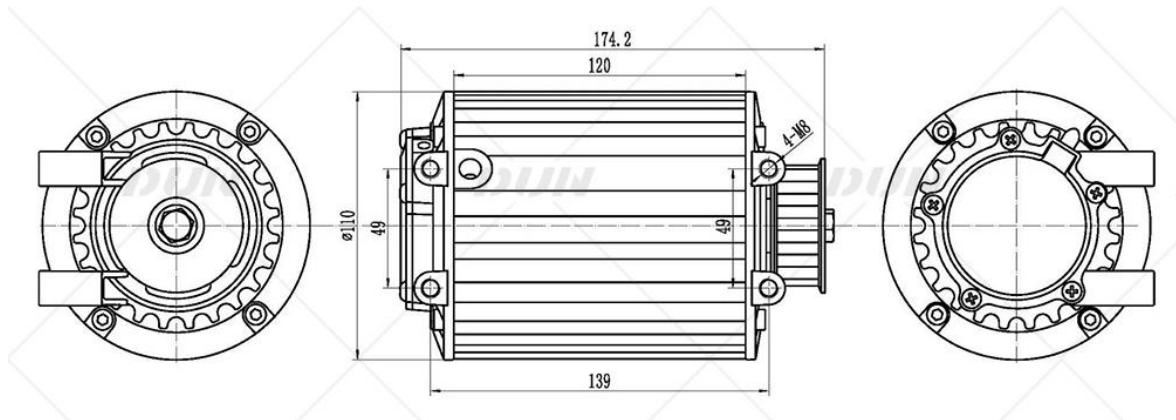
Magnet Height: 50mm, 16 pole pairs

Stator: Aluminum Core

Rated Power: 8KW

Drop-outs/Rear fork width for installation: 200mm

QS90 1000W Mid Drive Motor



Motor Specification

Diameter of stator: 120mm

Magnet Height: 70mm, 5 pole pairs

Rated Power: 1000W

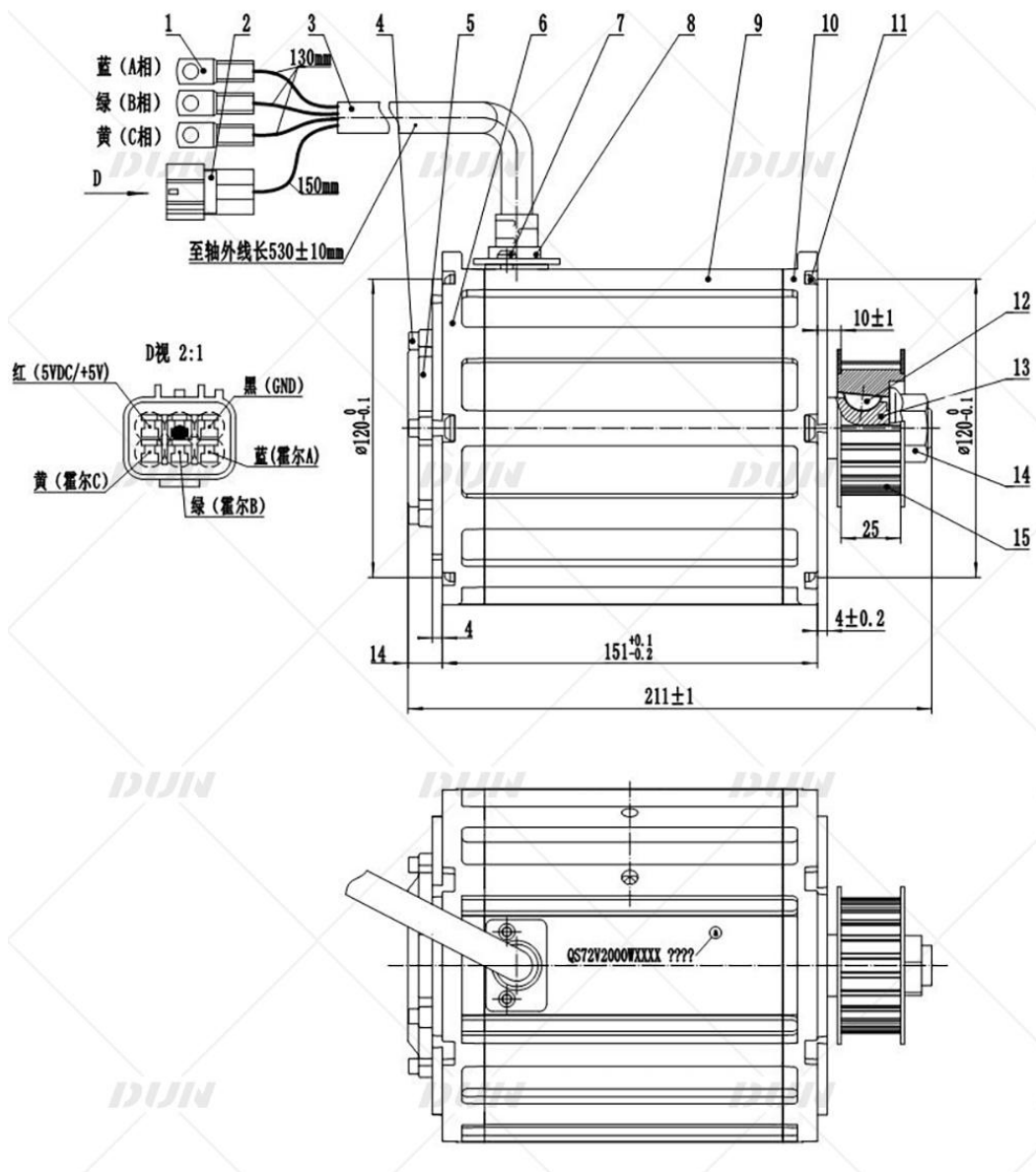
Rated Voltage: 60V/72V

Speed: 2900RPM (basic RPM), 3500RPM peak with flux weakening

60V@45KPH, 72V@55KPH

Max Torque: approx 25.2N.m without Reduction ratio, approx 134.0N.m with 1:5.3 Reduction ratio

QS120 2000W 70H Mid Drive Motor



Motor Specification

Magnet Height: 70mm, 5 pole pairs

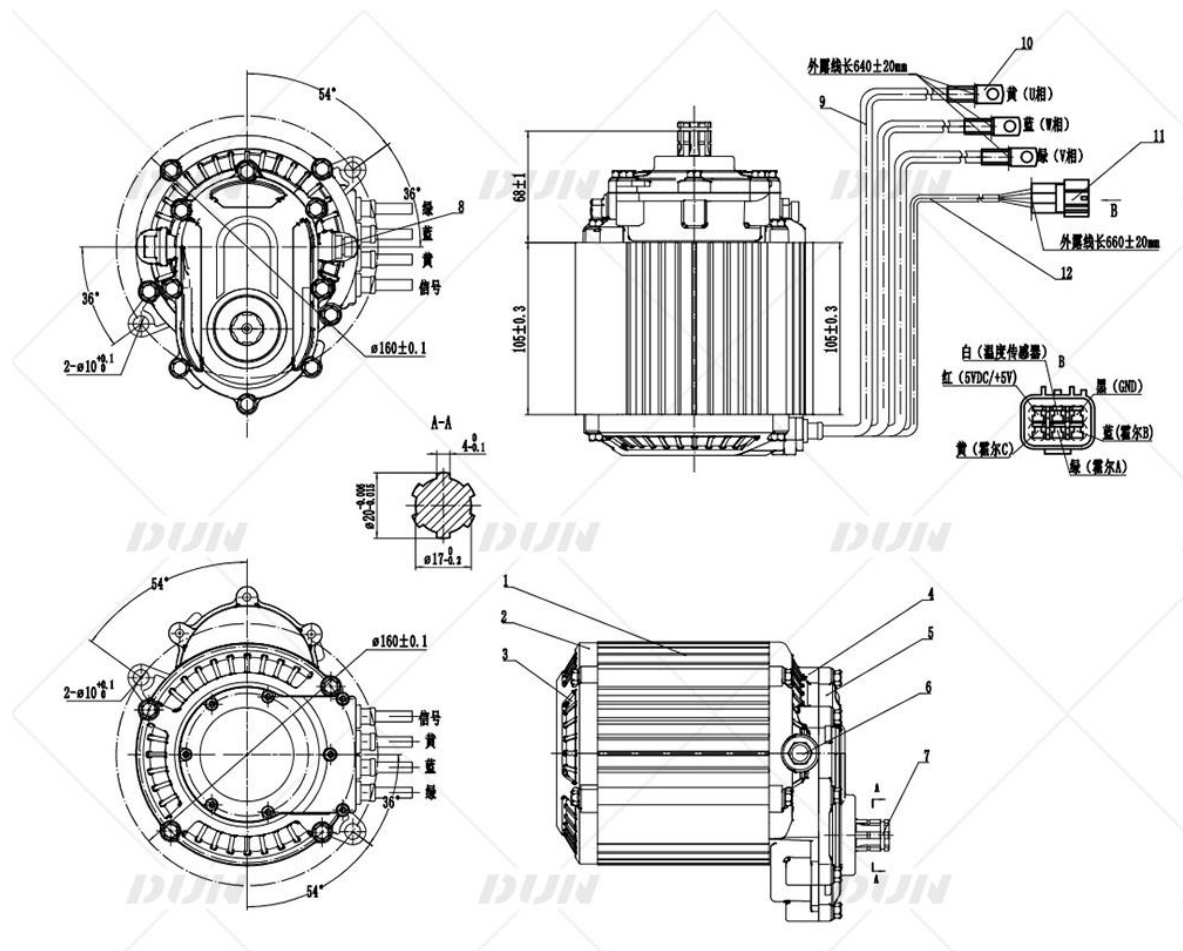
Rated Power: 2000W

Rated Voltage: 72V

Speed: 2800rpm without flux weakening, 4400RPM with flux weakening.

Max Torque: approx 45.4N.m without Reduction ratio, approx 216.7N.m with 1:4.77 Reduction ratio

QS120 2000W 60H V3 Mid Drive Motor



Motor Specification

Magnet Height: 60mm, 5 pole pairs

Rated Power: 2000W

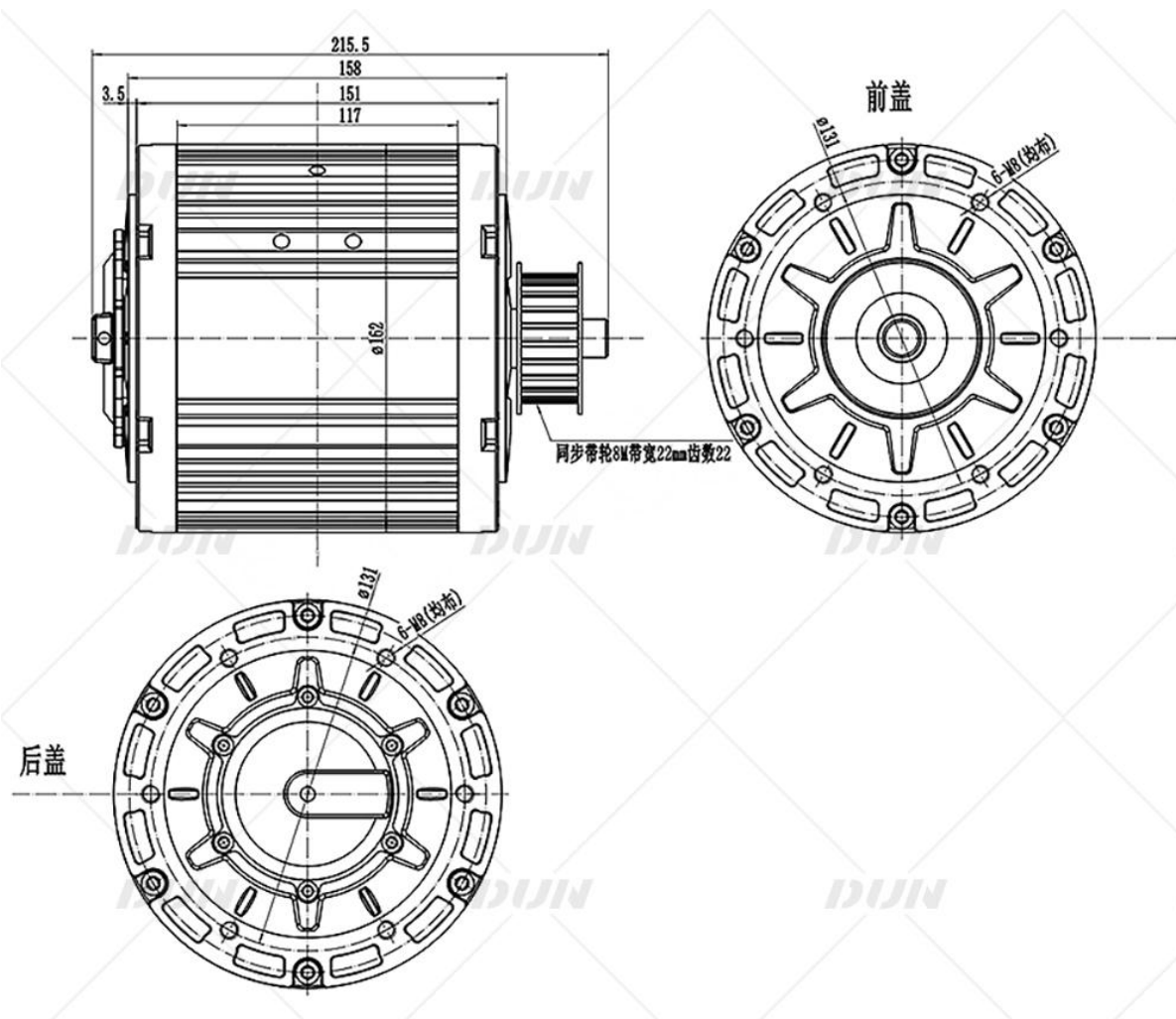
Rated Voltage: 72V

Rated Speed: 3300RPM

Max Torque: 105.7N.m-119.8N.m

Gear Ratio: 1:2.35

QS138 3000W 70H Mid Drive Motor



Motor Specification

Magnet Height: 70mm, 5 pole pairs

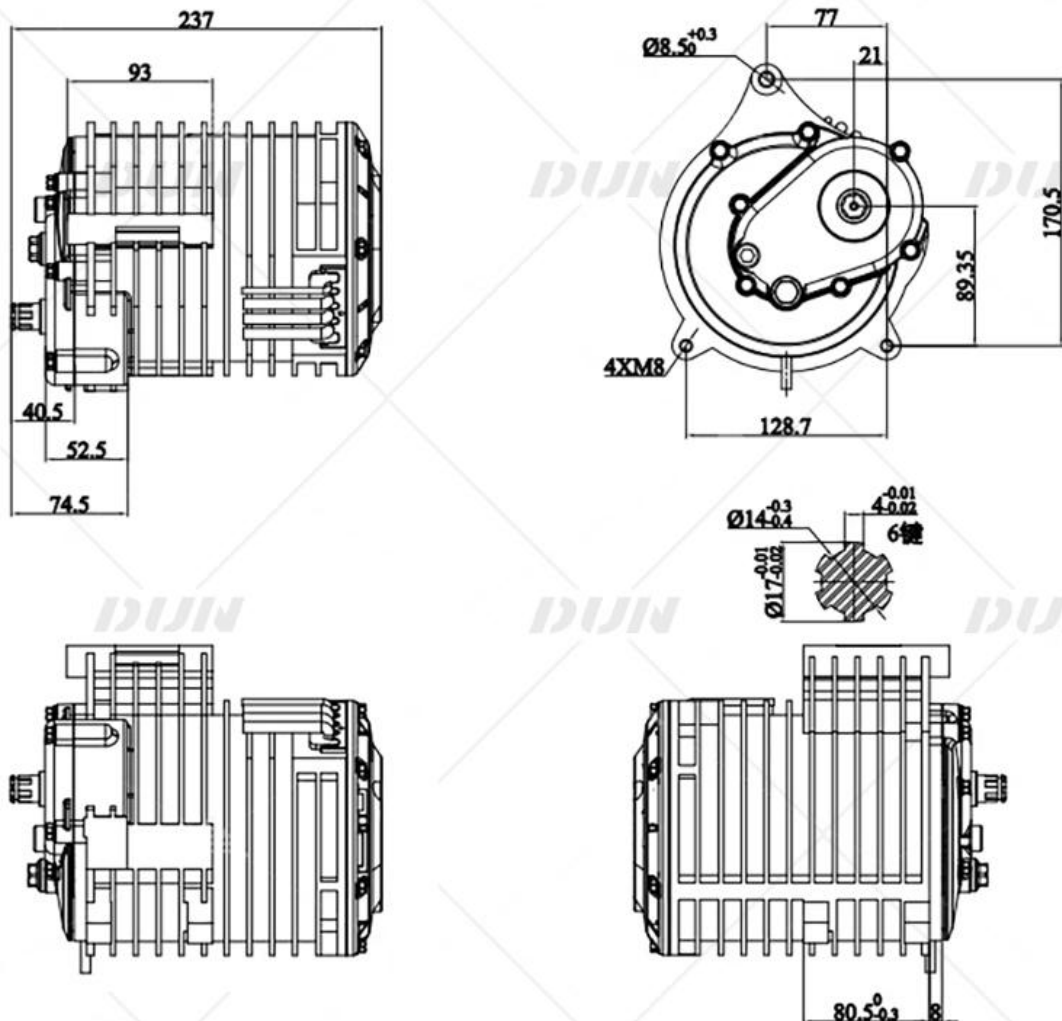
Rated Power: 3000W (max continue 6000W, 10000W peak in a few seconds)

Rated Voltage: 72V

Speed: 3800RPM (basic RPM), 6200RPM peak with flux weakening

Max Torque: 45-55N.m

QS138 3000W 70H V3 Mid Drive Motor



Motor Specification

Magnet Height: 70mm, 5 pole pairs

Rated Power: 3000W (9600W peak in few seconds)

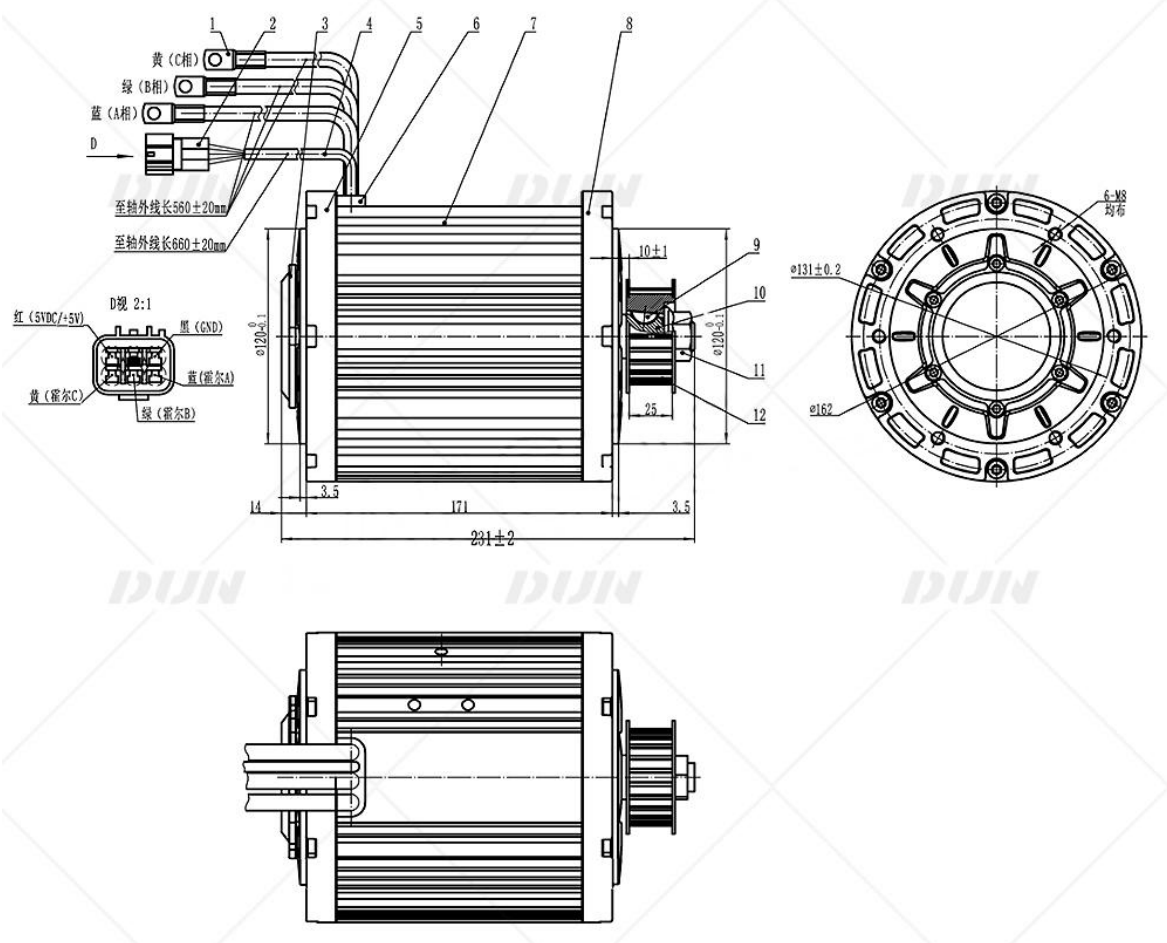
Rated Voltage: 72V

Speed: 4000RPM (basic RPM), 6800RPM peak with flux weakening

Max Torque: 98N.m

Motor Gear Ratio: 1:2.35

QS138 4000W 90H Mid Drive Motor



Motor Specification

Magnet Height: 90mm, 5 pole pairs

Rated Power: 4000W (max continue 7500W, 13500W peak in few seconds)

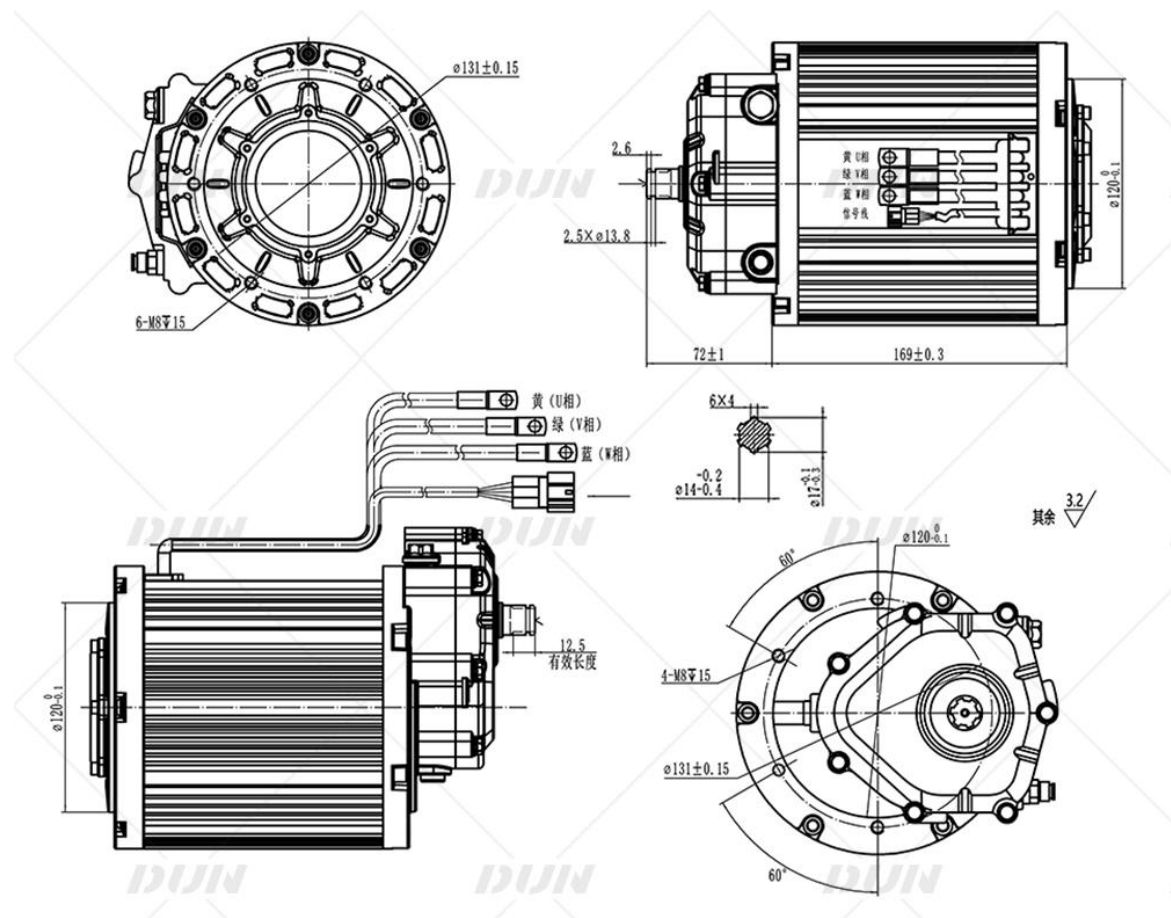
Rated Voltage: 72V

Speed: 4000RPM (basic RPM), 6500RPM peak with flux weakening

Rated Torque: 14.3N.m

Max Torque: 72N.m

QS138 4000W 90H V3 Mid Drive Motor



Motor Specification

Magnet Height: 90mm, 5 pole pairs

Rated Power: 4000W, Max Continue 7500W (13.5KW peak in few seconds)

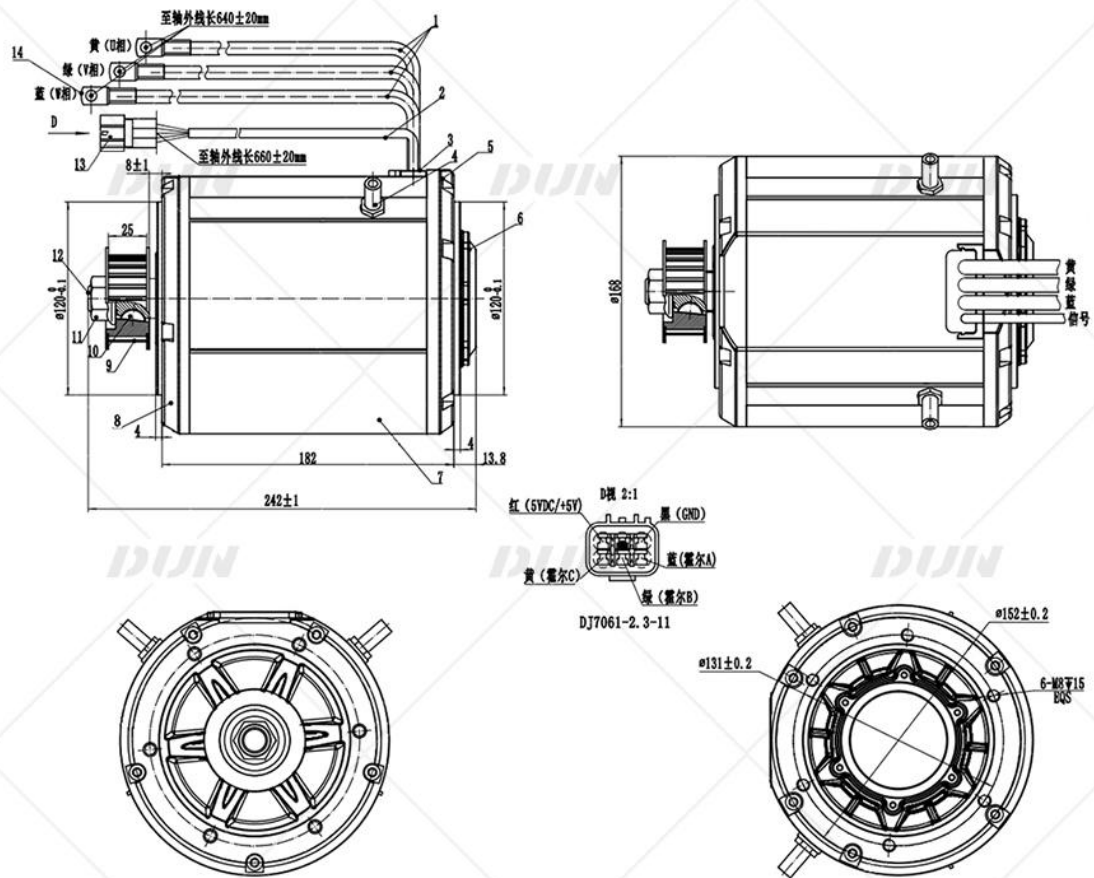
Rated Voltage: 72V

Speed: 4800RPM (basic RPM), 7000RPM peak with flux weakening

Torque: Rated Torque 32N.m, Max Torque 150N.m

Motor Gear Ratio: 1:2.35

QS138 4000W 90H Liquid Cooled Mid Drive Motor



Motor Specification

Magnet Height: 90mm, 5 pole pairs

Rated Power: 4000W (max continue 7500W, 13500W peak in few seconds)

Rated Voltage: 72V

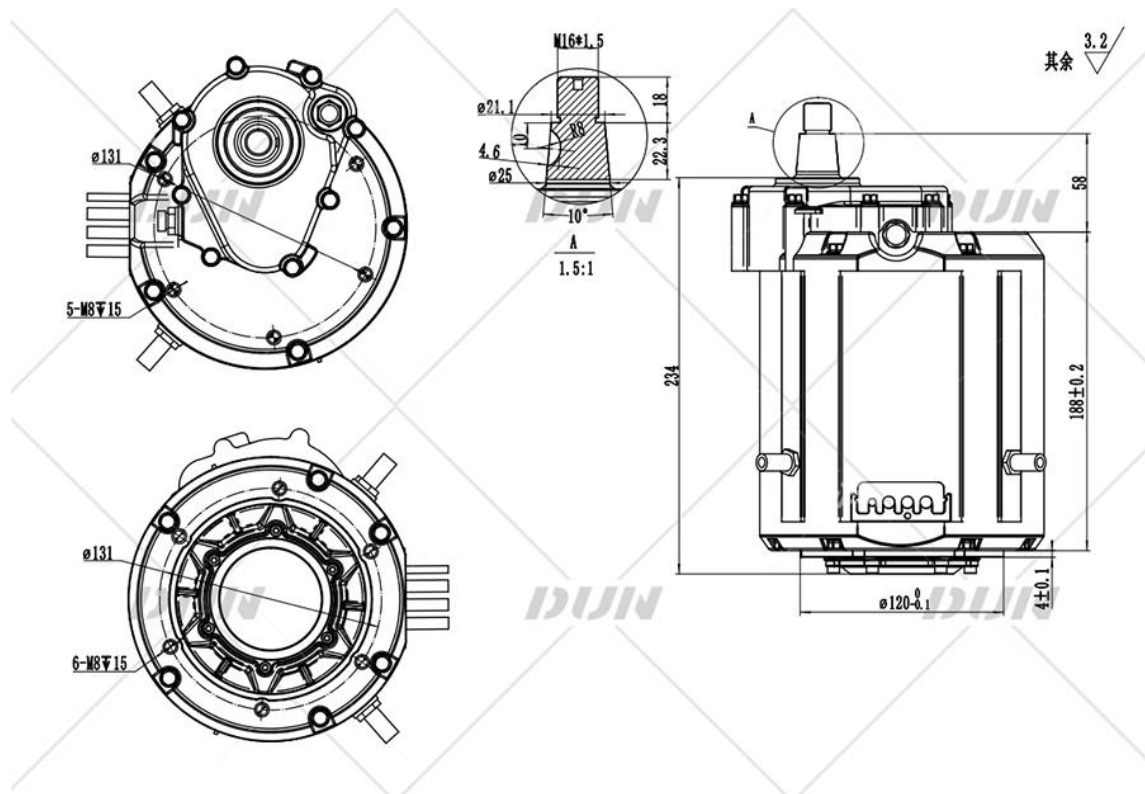
Speed: 4000RPM (basic RPM), 6500RPM peak with flux weakening

Rated Torque: 14.3N.m

Max Torque: 72N.m

Cooling: liquid cooling

QS138 4000W 90H V3 Liquid Cooled Mid Drive Motor



Motor Specification

Magnet Height: 90mm, 5 pole pairs

Rated Power: 4000W, Max Continue 7500W (13.5KW peak in few seconds)

Rated Voltage: 72V

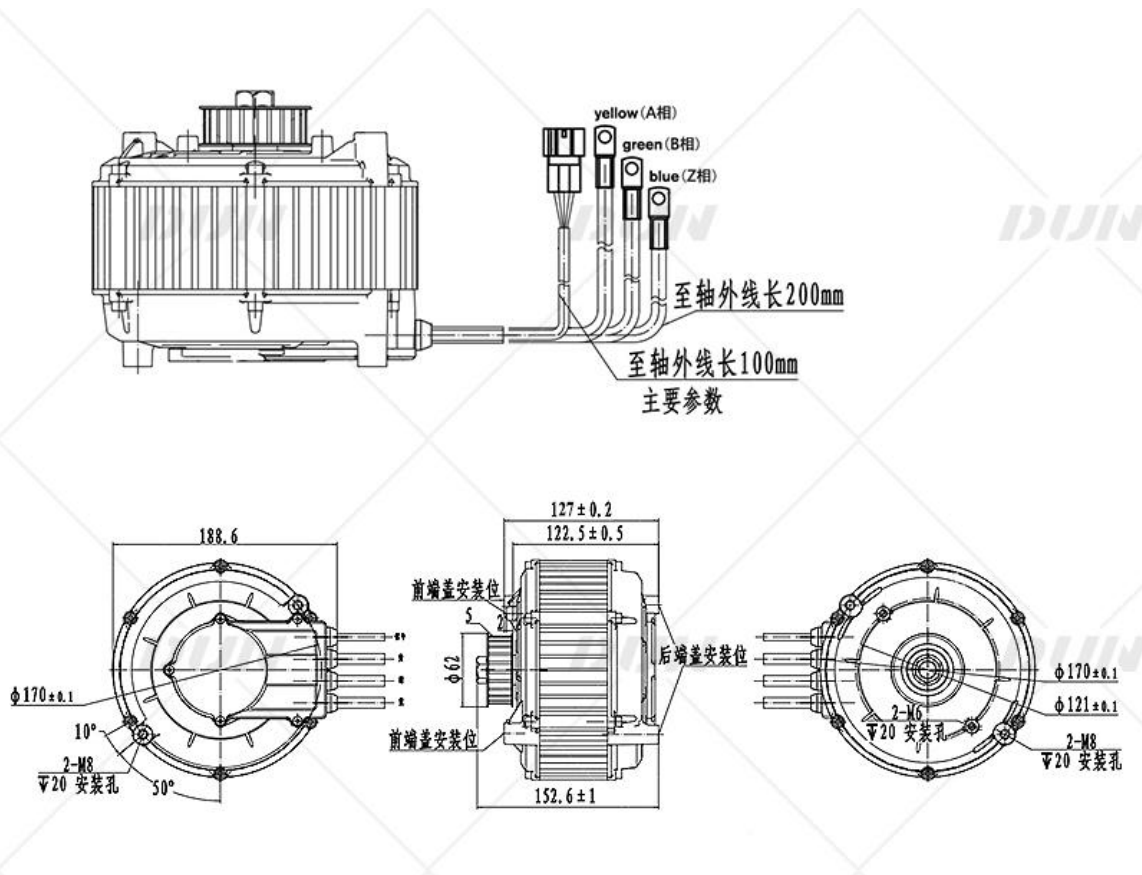
Speed: 4100RPM (basic RPM), 7000RPM peak with flux weakening

Torque: Rated Torque 32N.m, Max Torque 120N.m

Motor Gear Ratio: 1:2.35

Cooling: liquid cooling

QS165 5000W V2 Mid Drive Motor



Motor Specification

Magnet Height: 35mm, 5 pole pairs

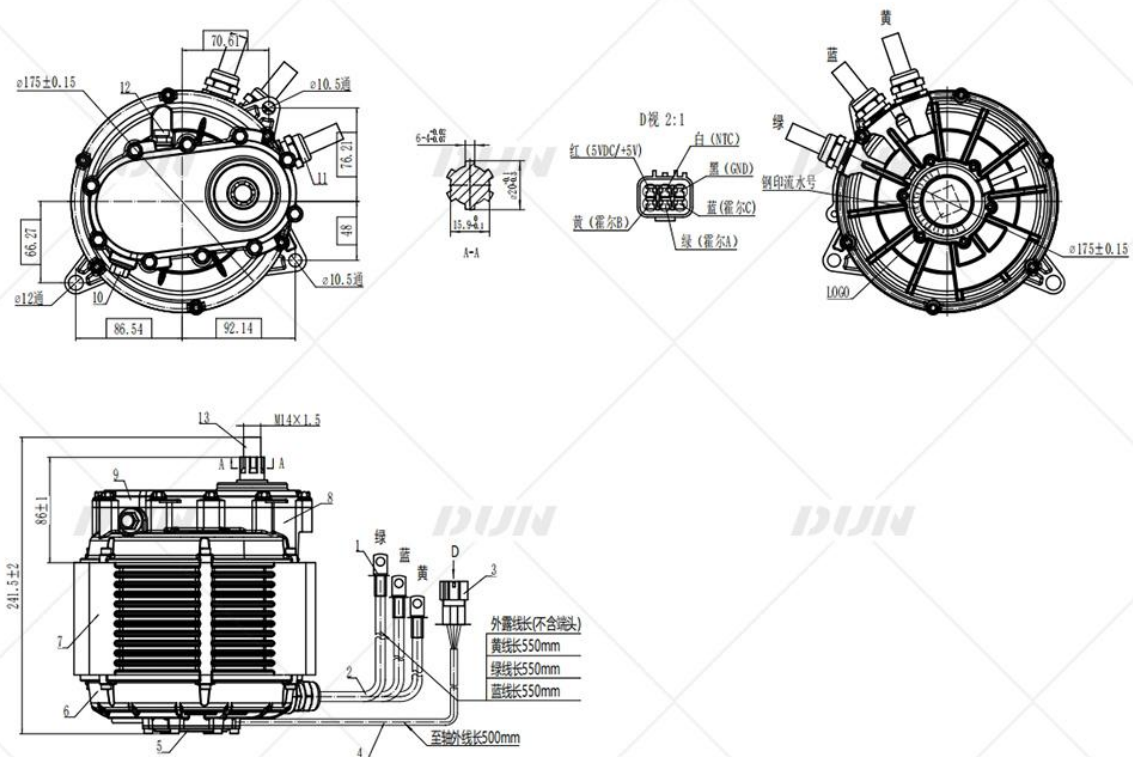
Rated Power: 5000W (10KW peak in few seconds)

Rated Voltage: 60V

Speed: 6000-6500RPM(no load)

Max Torque: 50N.m

QS165 10000W V3 Mid Drive Motor



Motor Specification

Magnet Height: 60mm, 5 pole pairs

Rated Power: 10KW (16KW peak in few seconds)

Rated Voltage: 72V

Speed: Rated 2280RPM, Max 3165RPM

Max Torque: 170N.m