

BRUSHLESS PM DIRECT DRIVE 500W JUNIPER MOTOR



EFFICIENT

Direct Drive Brushless Permanent Magnet Motor provides 92% efficiency.

TORQUE

Up to 60Nm of Torque keeps the Bike moving on all terrain.

SAVE TIME & MONEY

Easy installation and super reliability make this system the best value for your dollar!

SILENT & SMOOTH

Premium Bearings and High Quality Magnets make for a quiet and silky smooth riding experience.

CONTROL & POWER

Rear Drive design gives maximum power and smooth easy control vs front wheel & mid drive systems.



OPTIMAL PERFORMANCE

When paired with an ASI Controller the Accelerated Motor provides a smooth and powerful ride.

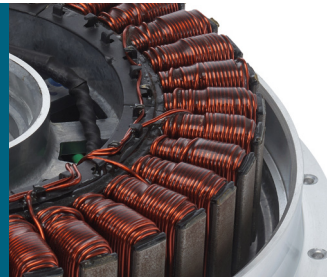


MINIMAL MAINTENANCE

The Direct Drive Sealed Motor is reliable and easy to maintain.

BUILT IN TEMPERATURE SENSOR

Continually monitors the Motor to protect from overheating and damage.



MACHINE WOUND STATOR

Makes sure the Motor is build to the same high standards every time!

QUICK RELEASE HARNESS

Makes it easy to remove the Rear Wheel to load or fix a flat.



DISC BRAKE (Optional)

Available in 4 bolt Rolhoff or Magura pattern.

EASILY CONFIGURABLE

When used with an ASI Controller configuring the Drive system is simple and seamless.



Engineered in Canada

519.342.2507 |

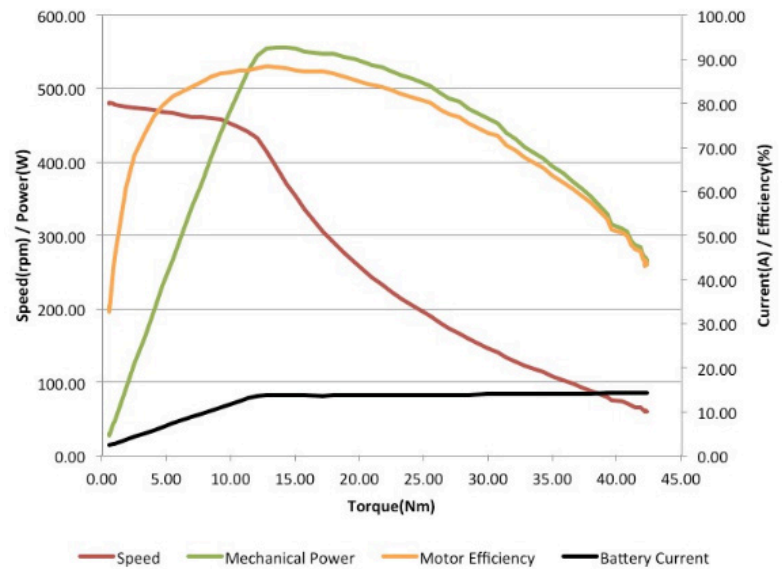
www.accelerated-systems.com

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MOTOR SPECIFICATIONS

MOTOR TYPE	Brushless PM Direct Drive
POWER (PEAK)	1450W
CONTINUOUS TRACTION CAPACITY (1HR)	500W
TORQUE (PEAK)	60 Nm
PHASE CURRENT (PEAK)	95A DC
MAX RPM (@ VOLTAGE)	465 RPM @48V
MAX. EFFICIENCY	92%
POLES	32 (16p)
HALL SENSORS	3 Honeywell
BEARINGS	Jota
SPOKE TYPE	36 Spoke Hole
DISK BRAKE MOUNTING	YES (4 Bolt Pattern)
FREEWHEEL MOUNTING	YES (Shimano compatible)
DRIVE TYPE	REAR WHEEL DIRECT
CONTROLLER TYPE	SENSORLESS & SENSED
MOTOR PHASE PLUG	Standard AMASS Connector
HALL SENSOR PLUG	6 pin Higo
MOTOR HARNESS	Quick Release
MOTOR PHASE PLUG	Standard AMASS Connector/ Customizable

MOTOR PERFORMANCE

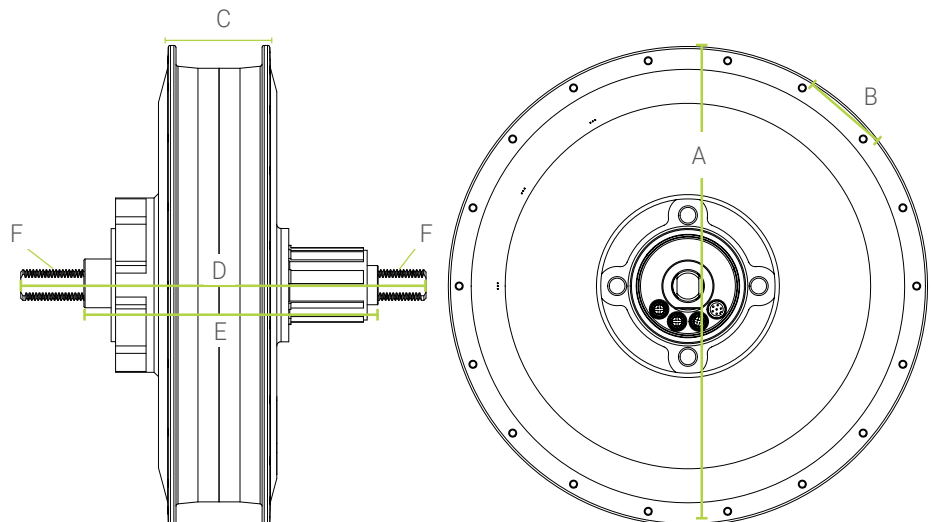


PRACTICAL RATINGS

SCENARIOS	TORQUE (Nm)	SPEED (RPM)	POWER (W)	EFFICIENCY (%)
HIGH SPEED CRUISE	12.7	413	554	92
CLIMBING A HILL	40.3	73	308	50.5

MOTOR DIMENSIONS

		MM	IN
MOTOR DIAMETER	A	220	8.65
SPOKE SPACING	B	36	1.42
CORE WIDTH	C	54	2.12
AXLE LENGTH	D	186	7.32
DROP OUT	E	135	5.31
AXLE SIZE	F	M14 x 1.5 RH	
MOTOR WEIGHT		5 kg	11 lb



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Specifications subject to change without notice.

