

# 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.

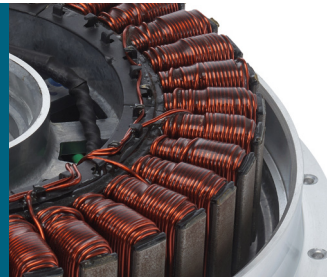


## MINIMAL MAINTENANCE

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 |

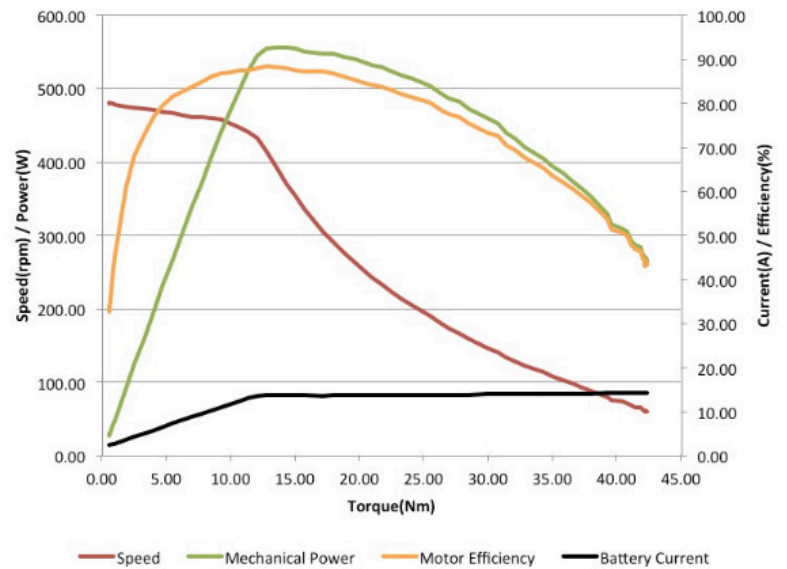
[www.accelerated-systems.com](http://www.accelerated-systems.com)

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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

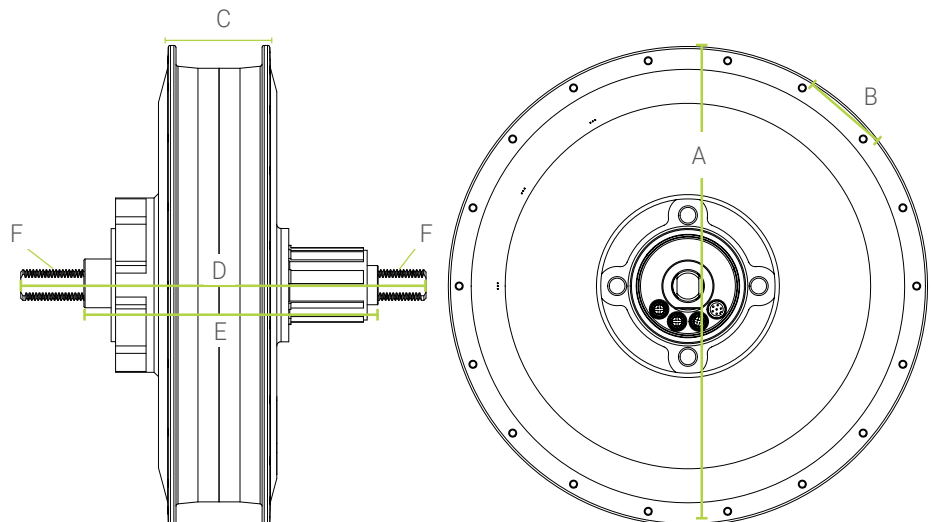


## PRACTICAL RATINGS

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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