

BRUSHLESS DIRECT DRIVE

DIRECT DRIVE 3,500W CEDAR MOTOR

WITH INTEGRATED CONTROLLER

**REPLACES SMALL 2-5HP INTERNAL
COMBUSTION ENGINES & CLUTCH
MECHANISM**

Provides full torque from zero speed.

**MOTOR AND CONTROLLER
ARE FULLY INTEGRATED**

To simplify IC engine replacement.

**WORKS SEAMLESSLY WITH ASI
SMART BATTERY SOLUTIONS**

For improved versatility and safety.



FEATURES

POWER & TORQUE

Up to 20Nm of Torque makes this motor suitable for almost all IC engine replacement applications.

NO MAINTENANCE

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

EFFICIENT

Direct Drive Brushless Permanent Magnet Motor provides up to 92% efficiency.

CONTROL & POWER

Highest power density in the industry.

EASILY FIRMWARE CONFIGURED

For a wide range of applications.

SILENT AND SMOOTH

Premium bearings and other high quality components make for quiet and smooth operation.

SIMPLE WIRING WITH CANBus

Facilitates a single connector solution.

MACHINE WOUND STATOR

Ensures that every Motor conforms to the same high Standard.

BUILT IN TEMPERATURE & CURRENT SENSORS

Continually monitors the Motor & Controller to protect from overheating & damage.



Engineered in Canada



**ASI | ACCELERATED
SYSTEMS INC.™**

519.342.2507 |

www.accelerated-systems.com

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Specifications subject to change without notice.

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SPECIFICATIONS	
MOTOR TYPE	Brushless PM Direct Drive
VOLTAGE	48V-72V
OUTPUT POWER (HP)	5HP (3.5KW)
TORQUE (MAX)	20 Nm
MAX RPM (@ VOLTAGE)	4000 RPM @48V
MAX. EFFICIENCY	92%
CONNECTOR	Anderson SBS75X
APPLICATIONS	High Torque, High Speed
FRAME CONSTRUCTION	Aluminum
ELECTRIC TERMINAL CONSTRUCTION	Custom cables
PHASE RESISTANCE	4 milli-ohms
AMBIENT TEMPERATURE	up to +40°C



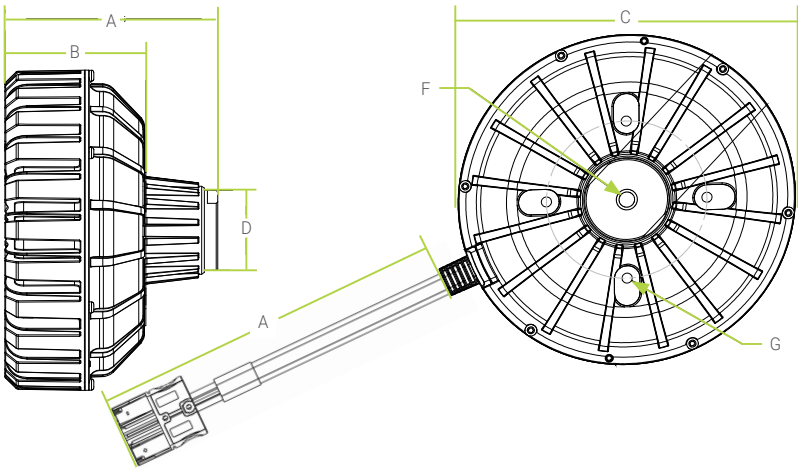
OEM APPLICATIONS

Pressure Washers Pumps
Lawn Mower Decks
Transaxle Drive

MOTOR DIMENSIONS

		MM	IN
BODY LENGTH (W/SHAFT)	A	146	5.7
MAIN BODY	B	96.5	3.78
MOTOR DIAMETER	C	224	8.82
SHAFT DIAMETER	D	56	2.20
CABLE LENGTH (W/CONNECTOR)	E	500	19.69
CENTER SHAFT HOLE	F	M12 X 1.75	
MOUNTING HOLES (X4)	G	M8 X 1.25	
MOTOR WEIGHT		7 kg	15 lb

*DIMENSIONS ARE +/- .01" OR



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