



AUV Sea Rover



Project Requirements:

- Confined Space (~ 6" OD, 13" Length)
- Motor + Resolver Feedback + Brake
- Operating At 300 Meters Below Sea Level
- Positive Pressure, Encapsulated with Mineral Oil
- Thermal Sensing
- Leakage Sensing
- Weight ~ 57 Pounds

Motor Parameters			
	Tolerance	Units	Value
Max. Operating Speed	Max	RPM	4,000
Peak Torque (Tp)	Max	Lb-In	186
Peak Current (Ip)	Max	Amps	15
Torque Sensitivity (Kt)	± 10%	Lb-In/Amp	12.4
Back EMF Constant (Ke)	± 10%	V/K RPM	147
DC Resistance (Rt)	± 10%	Ohms	1.34

Motor Can Be Modified To Meet Your Project Specifications