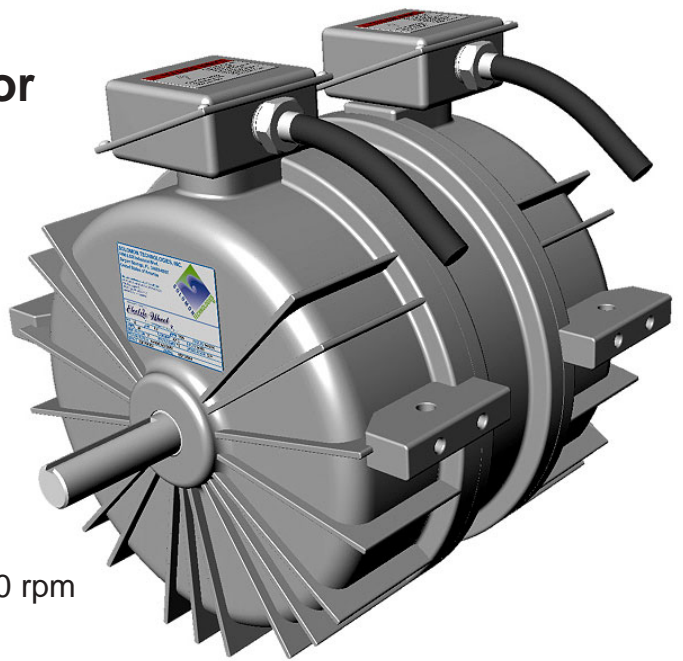
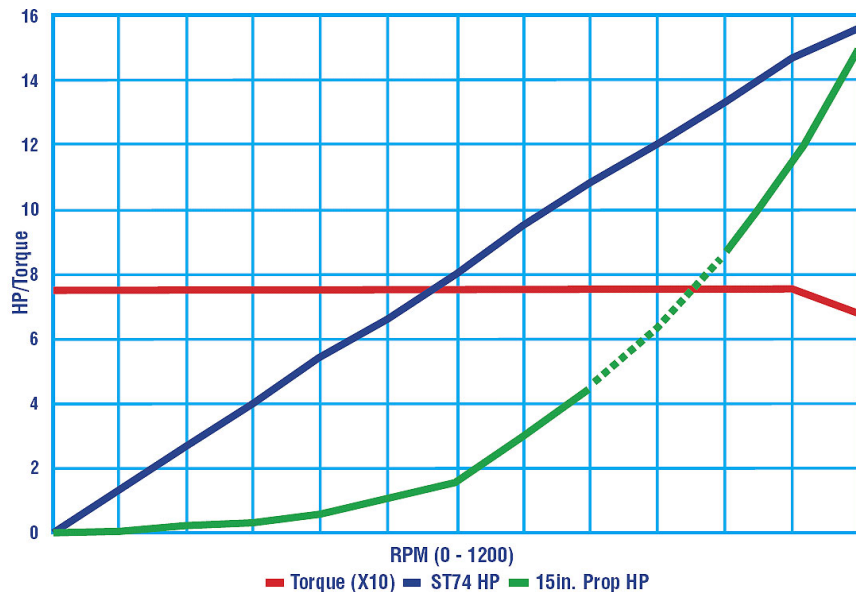


ST 74 dual motor

displacements up to 16 tons (14.5 mT)
 monohull lengths 33-50 ft (10-15 m)
 catamaran lengths 40-60 ft (12-18 m)
 replaces diesels up to 48+ hp (36+ kw)



input	144 VDC
output	12 hp (9kw) @1,100 rpm
torque	74 lb-ft (100 N-m)
full load current draw	64 amps
motor type	3-phase, continuous-duty, brushless DC permanent-magnet neodymium iron boron
motor functions	acts as a motor when input voltage applied; as a generator when turned by prop
motor housing	sealed, cast-aluminum with cooling fins and mounting brackets
diameter	13 in (330 mm)
length	17 in (432 mm)
weight	143.5 lb (65 kg)
controllers (2)	- pulse width modulated (pwm) - 50 amp continuous duty, 100 amp peak (2 sec) - current loop with mechanical interface



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