

ST 37

single motor

displacements up to 10 tons (9 mT)
 monohull lengths up to 32 ft (10 m)
 catamaran lengths up to 44 ft (13 m)
 replaces diesels up to 24 hp (18 kw)



input 144 VDC
output 6 hp (4.5 kw) @ 1,100 rpm
torque 37 lb-ft (50 N-m)

full load current draw 32 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

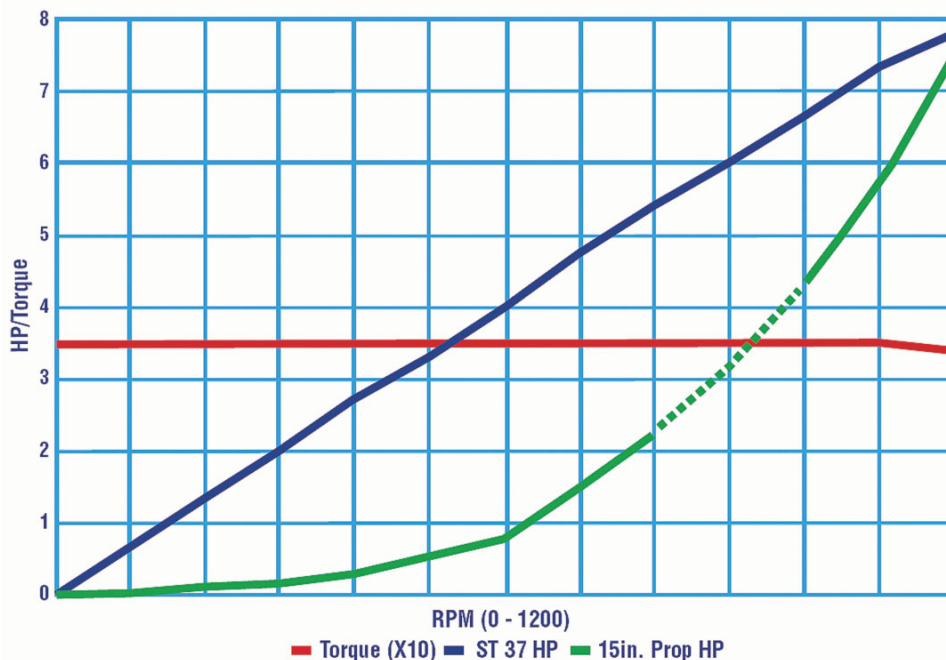
motor housing sealed, cast-aluminum with cooling fins and mounting brackets

diameter 13 in (330 mm)

length 13 in (330 mm)

weight 83.5 lb (38 kg)

controller - pulse width modulated (pwm)
 - 50 amp continuous duty, 100 amp peak (2 sec)
 - current loop with mechanical interface



SOLOMONT

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