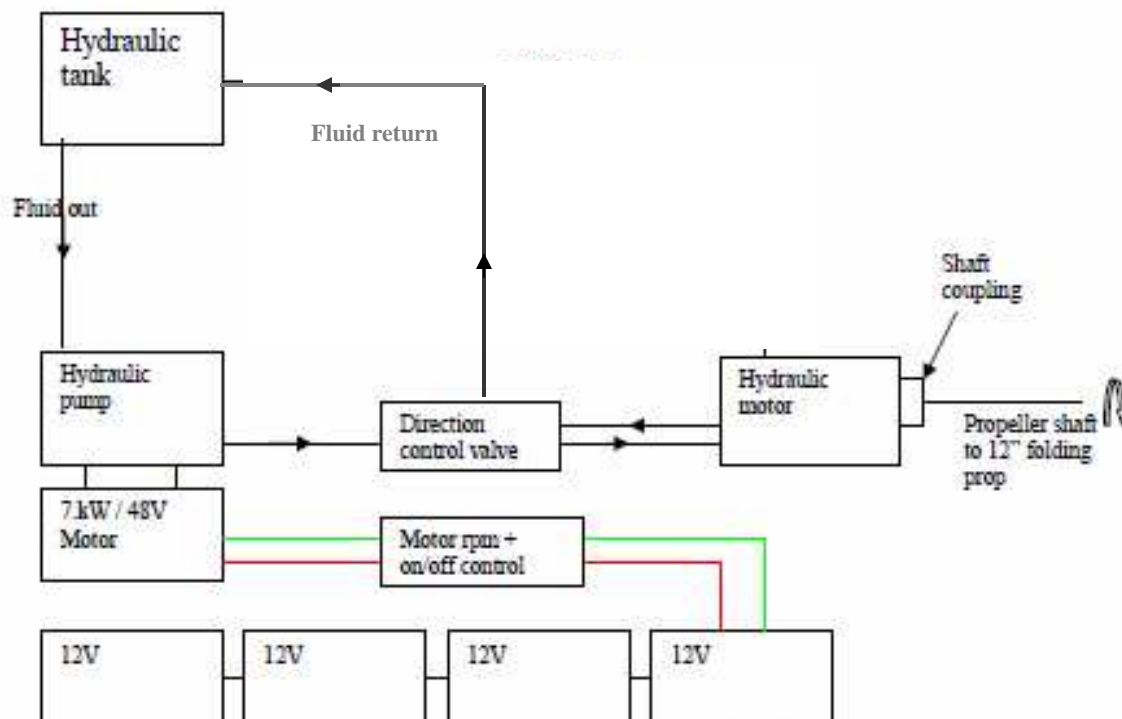


A169's electro- hydraulic propulsion system.

The hydraulic pump (driven by a mechanical drive coupling to the 48V - 7.5 kW motor) is the first stage of the transmission system. The pump draws hydraulic fluid from a storage tank and delivers it under pressure to the direction control valve. This reverses the flow of fluid to the hydraulic motor for ahead and astern drive. The motor attached by a coupling to the propeller shaft. NB: Speed is controlled via the motor rpm.

System diagram:



4 x 12V deep Cycle batteries connected in series to motor (NB: AH determines operation time)