Autopilot Drive Selection Reversing Pumps

It is important to select the correct size pump as it directly influences the ability of the Autopilot to steer the vessel.

An Autopilot Drive will need to give a nominal "Hard over time" of 10 to 12 seconds (Or as specified by the Autopilot manufacture).

The type of vessel to be steered must be considered. The "Hard over time" may be faster on lightweight Planing Craft / Modern yachts and slower on displacement power boats/ long keel yachts.

Note if the pump is too large, the vessel may over steer and will use more power; Too small and the Autopilot may struggle to maintain a course.

To use the table below you will need to know the volume of your steering cylinder, Select the Hard over time you require. Follow the column down until you approximately match your cylinder volume. Then select the pump on that row. Note if your cylinder has a smaller volume, it will have a faster "Hard Over Time" But if it is larger, it will have a slower "Hard Over Time"

" **Hard Over Time**" Is the time to move the rudder from port to starboard stops. "Dock side" (no flow over the rudder)

	6/8	Hard over time (seconds) 8/10 10/12 12/14 14/16 16/18 18					
Cylinder Volume (CC)							
75	PR06						
100 125 150 175	PR10 PR10 PR15 PR15	PR06 PR10	PR06 PR10	PR06	PR06 PR06		
200 225 250 275	PR20 PR20 PR20 PR25	PR15 PR15 PR20	PR15 PR15	PR10 PR10	PR10	PR10	PR06
300 325 350 375	PR25 PR25	PR20 PR20 PR25 PR25	PR20 PR20	PR15 PR15	PR15 PR15	PR10	PR10
400 425 450 475		PR25	PR20 PR25 PR25 PR25 PR25	PR20 PR20 PR20 PR20	PR20	PR15 PR15	PR15 PR15
500 525 550 575				PR25 PR25 PR25 PR25 PR25	PR20 PR20	PR20 PR20	
600 625 650 675					PR25 PR25 PR25	PR20 PR25	PR20 PR20
700 725 750						PR25 PR25	PR25