



# STEERING SELECTION FORM

Completion of this form will assist us in determining the most appropriate steering system for your vessel.

Wagner Engineering Ltd  
135 Riverside Dr.  
North Vancouver, BC  
Canada V7H 1T6  
Tel. (604) 988-1111  
Fax (604) 986-0334

DATE: \_\_\_\_\_

**A CONTACT DETAILS**

NAME: \_\_\_\_\_  
 COMPANY: \_\_\_\_\_  
 ADDRESS: \_\_\_\_\_

e-mail: \_\_\_\_\_  
 PHONE: \_\_\_\_\_ ( ) \_\_\_\_\_  
 FAX: \_\_\_\_\_ ( ) \_\_\_\_\_  
 YARD: \_\_\_\_\_  
 HULL NBR: \_\_\_\_\_

**B VESSEL DATA**

TYPE \_\_\_\_\_  
 HULL  DISPLACEMENT  PLANNING  
 CLASS APPROVAL  ABS  LLOYDS  OTHER  
 SPEED CRUISING (knots) \_\_\_\_\_ MAXIMUM (knots) \_\_\_\_\_ ESTIMATED (knots) \_\_\_\_\_  
 PROPELLER DIAMETER \_\_\_\_\_ (mm or inches) PITCH \_\_\_\_\_ (mm or inches) REDUCT. GEAR RATIO \_\_\_\_\_  
 ENGINE QTY. \_\_\_\_\_ x \_\_\_\_\_ HP @ \_\_\_\_\_ R.P.M.  
 IDLE R.P.M. \_\_\_\_\_ RUNNING R.P.M. \_\_\_\_\_ MAXIMUM R.P.M. \_\_\_\_\_

Please check  where applicable.

LENGTH \_\_\_\_\_ DRAFT \_\_\_\_\_  
 CATAMARAN  OTHER \_\_\_\_\_

**C RUDDER DATA**

RUDDER ANGLE  2 x 35 DEGREES  OTHER 2 x \_\_\_\_\_ (from Midships to Hardover)  NOZZLE  
 RUDDER SHAFT DIAMETER AT TILLER \_\_\_\_\_ (mm or inches)  STRAIGHT  TAPER  
 NUMBER OF RUDDERS \_\_\_\_\_ DISTANCE BETWEEN RUDDER SHAFTS \_\_\_\_\_ (mm or inches)

**DIMENSIONS** and counter balance of rudder - please provide sketch

A \_\_\_\_\_ D \_\_\_\_\_  
 B \_\_\_\_\_ E \_\_\_\_\_  
 C \_\_\_\_\_ F \_\_\_\_\_

RECOMMEND COUNTER BALANCE (average of B & D)

24 to 26% FOR DISPLACEMENT HULLS  
 20 to 22% FOR SEMI-PLANNING  
 16 to 18% FOR PLANNING HULLS

Please check  where applicable.

**D STEERING SYSTEM DATA**

MODE  HAND HYDRAULIC  JOG (NFU)  HYDRAULIC FFU  ELECTRIC FFU  
 STEERING STATIONS NUMBER \_\_\_\_\_ LOCATION(S) \_\_\_\_\_  WHEEL  LEVER  
 LENGTH OF TUBING RUN FROM WHEELHOUSE TO STEERING GEAR \_\_\_\_\_ (M or Ft)  
 HYDRAULIC POWER SOURCE  ENGINE DRIVEN  ELECTRIC MOTOR  
 NUMBER OF PUMPS \_\_\_\_\_ HARDOVER TIME \_\_\_\_\_ (in seconds)  
 ELECTRIC MOTOR \_\_\_\_\_ (VAC/PH/Hz) SOLENOID VOLTAGE \_\_\_\_\_ DC  
 RUDDER ANGLE INDICATOR LOCATION \_\_\_\_\_ VOLTAGE \_\_\_\_\_  
 REQUIRED DELIVERY DATE \_\_\_\_\_

Please check  where applicable.

**DISCLAIMER** - Wagner Engineering Ltd. provides a torque estimate only. Final Torque rating must be verified by builder.

Please Fax completed Questionnaire to Wagner Engineering Ltd. at (604) 986-0334  
[www.wagnerengineering.ca](http://www.wagnerengineering.ca)