

# PROPULSION BRAKE DATA SHEET

(Specify Metric or Imperial Units)



Customer: \_\_\_\_\_ Date: \_\_\_\_\_ Ref. No. \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State/Prov./County: \_\_\_\_\_ Zip: \_\_\_\_\_

Attention: \_\_\_\_\_ Tel: ( ) \_\_\_\_\_ Fax: ( ) \_\_\_\_\_

Type of vessel: \_\_\_\_\_ No. vessels \_\_\_\_\_ No. shafts/vessel: \_\_\_\_\_

Prime Mover, Type \_\_\_\_\_ HP \_\_\_\_\_ kW \_\_\_\_\_ RPM \_\_\_\_\_

Speed reduction @ braked shaft \_\_\_\_\_ Shaft RPM \_\_\_\_\_ Vessel Speed \_\_\_\_\_

Propeller O.D. \_\_\_\_\_ Pitch \_\_\_\_\_ Rotating WK<sup>2</sup> @ Shaft, lb-ft<sup>2</sup>/kg-m<sup>2</sup> \_\_\_\_\_

Brake Torque req'd, lb-ft/Nm \_\_\_\_\_ Maneuvering \_\_\_\_\_ Holding \_\_\_\_\_

Brake Energy/application, HP/kW: \_\_\_\_\_ for \_\_\_\_\_ sec. **OR** \_\_\_\_\_ Continuous \_\_\_\_\_

Max. No. Brake Applications \_\_\_\_\_ /5 min. \_\_\_\_\_ /hr \_\_\_\_\_ /day \_\_\_\_\_ /year \_\_\_\_\_

Brake Response Times \_\_\_\_\_ sec to set \_\_\_\_\_ sec to stop load \_\_\_\_\_ sec tensioning \_\_\_\_\_

Complete operating cycle of brake \_\_\_\_\_

Number of discs required/allowed/shaft \_\_\_\_\_ Number of calipers/disc \_\_\_\_\_

Disc O.D. \_\_\_\_\_ Min I.D. \_\_\_\_\_ Thickness \_\_\_\_\_ Mat'l \_\_\_\_\_

Location of disc on shaft: Between flanges \_\_\_\_\_ Face of flange \_\_\_\_\_ Other \_\_\_\_\_

Shaft dia. \_\_\_\_\_ Flange O.D. \_\_\_\_\_ Flange Thickness \_\_\_\_\_

Flange bolt circle dia. \_\_\_\_\_ Bolt dia. \_\_\_\_\_ Grade \_\_\_\_\_ Qty. \_\_\_\_\_ Length \_\_\_\_\_

Disc Mounting: Plain \_\_\_\_\_ c/w holes \_\_\_\_\_ spigot \_\_\_\_\_ split \_\_\_\_\_

Describe \_\_\_\_\_

Disc bolts to be supplied \_\_\_\_\_ Diameter \_\_\_\_\_ Length \_\_\_\_\_ Grade \_\_\_\_\_ Qty \_\_\_\_\_

Calipers to be: Air \_\_\_\_\_ Hyd \_\_\_\_\_ applied/spring released **OR** spring-applied Air \_\_\_\_\_ Hyd \_\_\_\_\_ released \_\_\_\_\_

Other \_\_\_\_\_

Limit switches required to indicate release/wear/other \_\_\_\_\_ Qty \_\_\_\_\_ Type \_\_\_\_\_

Non-std. Caliper mat'ls/coatings: \_\_\_\_\_

Codes/Standards: \_\_\_\_\_ F.S. \_\_\_\_\_

Ambient temperature, C°/F° \_\_\_\_\_ Max. \_\_\_\_\_ Min. \_\_\_\_\_ Humidity, % \_\_\_\_\_

Atmosphere/Environment: \_\_\_\_\_

Caliper Mounting: \_\_\_\_\_

Available power: Main \_\_\_\_\_ Volt \_\_\_\_\_ Ph \_\_\_\_\_ Hz; Control \_\_\_\_\_ Volt \_\_\_\_\_ Ph \_\_\_\_\_ Hz

Air - \_\_\_\_\_ psi \_\_\_\_\_ cfm \_\_\_\_\_ kPa \_\_\_\_\_ lpm

Hyd - \_\_\_\_\_ psi \_\_\_\_\_ usgm \_\_\_\_\_ kPa \_\_\_\_\_ lpm

Brake power package required: \_\_\_\_\_

Remarks and Special Considerations: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_