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DISCUSSION GROUP 1 On TURBOMACHINERY OPERATION AND MAINTENANCE Dr. Drosjack Received His B.S. Degree (Mechanical Engineering, 1970) From Carnegie-Mellon University, And His M.S. (1971) And Ph.D. (1974) Degrees (Mechanical Engineering) From The Ohio State University. He Is A Member Of ASME, The Vibration Institute, The Machinery Subcommittee Of The Ethylene Products Committee, Participates In Feb 11th, 2024 Chapter 4 Turbomachinery 4.2.1 Ideal Centrifugal Flow Machines Simple Analysis Of Centrifugal Pump Or Fan Impeller Dynamics Leads To The Following Theoretical Head Relationship (Potter And Wiggert, 1997):  $H_t = \omega^2 r_2^2 / 2g - \omega \cot \beta_2 / 2\pi l_2 g Q$  (4.1) Where  $\omega$  Is The Angular Velocity Of The Impeller,  $\beta_2$  Is The Exit Blade Angle,  $r_2$  Is The Mar 5th, 2024 E7. TURBOMACHINERY E7 - Elsevier E7. TURBOMACHINERY . E7.1 An Axial Flow Compressor For A Jet Engine Is Operating On A Test Stand Under Standard Sea Level Atmospheric Conditions. The Pressure Ratio Provided By The Compressor Is  $P_3 / p_1 = 10$  And It Processes A Mass Flow Rate Of 45.3 kg/s. The Dimensions O Feb 15th, 2024.

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