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web nov 3 2020 at present the calculation method of steam extraction efficiency of power plant turbine have five methods heat balance method equivalent enthalpy drop method cyclicfunctional method composite structure method and matrix method

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web 1 calculate the power generated in a back pressure steam turbine where 50 tph steam enters the turbine at 66 kg cm² temperature 485 deg c and steam exhausts to process at pressure 2 kg cm² temperature 180 deg c for calculation of power we need to know the enthalpy of inlet exhaust steam refer steam table

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web sep 15 2013 the focus of this paper is an analysis of the power loss coefficient of steam turbines for the generation of useful heat energy and electricity simultaneously this applies to all cogeneration plants comprising extraction condensing steam turbines and combined cycles gas turbine and steam turbine when heat is extracted prior to the

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