



Audels Engineers and Mechanics Guide Volume 2

By Books Group

Not Avail, United States, 2012. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book ***** Print on Demand *****.This historic book may have numerous typos and missing text. Purchasers can download a free scanned copy of the original book (without typos) from the publisher. Not indexed. Not illustrated. 1921 Excerpt: .delivered to the receiver at 240 Fahr. In a single stage compressor the air is compressed from atmospheric pressure to 100 pounds in one cylinder and reaches the receiver at 482 Fahr. NOTE.--Radiation and cooling influence of water jacket not considered. Fig. 1341.--Compression curves. If the heat of compression be removed as fast as generated, and the compression proceed under a uniform temperature, it is said to be isothermal and the compression curve follows the line A B C in the diagram. If the isothermal compression of air were practicable, and if the heat absorbed from the air by the cooling agent could be applied to the air during its re-expansion in use along a similar isothermal curve, the result would be perfect thermo-dynamic efficiency, and it is toward an approximate realization of these ideal conditions that the best compressor practice is directed. The line...



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