



The Construction of Dynamos (Alternating and Direct-Current); A Text-Book for Students, Engineer-Constructors, and Electricians-In-Charge

By Tyson Sewell

Rarebooksclub.com, 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. 1907 Excerpt: . machines have been made in the past, most manufacturers would now prefer to supply it as a four-pole machine. It is proposed in this chapter, however, to deal with only two-pole machines, leaving considerations of the multipolar type for a subsequent chapter. From the given requirements we have--waits output = 50,000 volts =200 ctirrent = trt = 25 amps. Armature reaction limits the largest-size bipolar armatures to something like 2 feet in diameter, and it may be taken that the smaller the diameter the better. We have also to keep in mind the best proportions of diameter and length for whichever type we propose to use. For this size a ring winding would be unsuitable, and with a drum armature, we have seen that the length of core, in the largest sizes, should be about twice the diameter. The correct proportions may be found by...



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