

UECTC-REXXX

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ABSTRACT

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INTRODUCTION

Early prior research demonstrated the superiority of ceramics for bearings [1,2] and the existence of elasto-hydrodynamic [ehd] lubricant films at ball and roller contacts [3], the calculation of which is now an accepted part of bearing engineering. These new concepts are now used in the design of lubrication systems with solid lubricants that operate in much more severe environments than oils and greases [4,5]. Proprietary computer codes and unique patented bearing configurations for optimizing the performance of bearing/solid-lubricant systems have been developed [6-8]. In this way, patented self-contained solid-lubricated all-steel and hybrid-ceramic ball and roller bearings are now available for environments that do not contribute to their lubrication, such as in air or vacuum.

MAIN BODY

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Figure 1 has its caption below the figure (see Fig. 1). For a table, the caption should be place on top of the table.

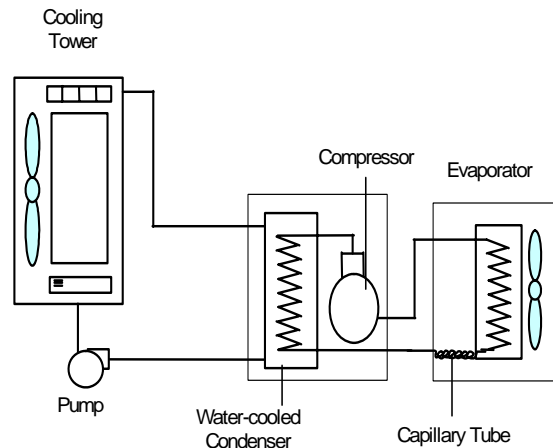


Figure 1 The prototype WACs

ACKNOWLEDGMENTS

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NOMENCLATURE

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APPENDIX

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