

Development of Water Protected Fan

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1. Introduction

Many pieces of outdoor equipment installed in recent years are cooled by means of fans. These fans are frequently subjected to the direct effects of rain and wind since the fan draws cooler outdoor air directly into the equipment after which it expels this air, now heated, to the outside. Accordingly, conventional fans must incorporate special protection against rain and, the equipment must also provide some protection for the fan itself.

Based on this scenario, we have developed Water Protected Fan by adding water protection features to a conventional Long Life Fan for use in cooling outdoor equipment.

This paper reports on both the structure and features of this Water Protected Fan.

2. Background of Development

3. Features of Water Protected Fan

3.1 Performance of Water Protected Fan

3.2 Structure of Water Protected Fan

4. Conclusions



Outside appearance of Water Protected Fan

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