BS 4485 : Part 2 : 1988

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British Standard

Water cooling towers

Part 2. Methods for performance testing

Tours de refroidissement par l'eau
Partie 2. Méthodes d'essai de fonctionnement

Wasserkühltürme
Teil 2. Funktionsprüfung

British Standards

Foreword

This Part of BS 4485, which has been prepared under the direction of the Civil Engineering and Building Structures Standards Committee, deals with the performance testing of industrial mechanical draught and natural draught water cooling towers. This Part of BS 4485 is a revision of BS 4485 : Part 2 : 1969 which is withdrawn.

The principal difference between this Part of BS 4485 and the 1969 edition is the introduction of the option of using a computer to do the calculation of thermal performance capability rather than carrying it out manually.

The performance of a cooling tower is dependent upon a number of factors, such as conditions of the atmosphere, conditions of the cooling water flow, conditions of equipment and conditions of the site, and the object of this Part of BS 4485 is to describe methods for the accurate determination of thermal performance. In addition, methods are described for the functional testing of equipment necessary for the satisfactory operation of a cooling tower.

This Part of BS 4485 also includes a description for the performance test procedure, the computation and evaluation of results, and the appendices provide worked examples for establishing the L/G ratio for natural draught cooling towers, and also the cooling tower characteristic KaV/L.

The other Parts of BS 4485 are as follows.

Part 1 Glossary of terms
Part 3 Code of practice for thermal and functional design
Part 4 Code of practice for the structural design of cooling towers

Where necessary, definitions have been included in the revisions of BS 4485 : Parts 2, 3 and 4 so that when they have all been published BS 4485 : Part 1 can be withdrawn.

Compliance with a British Standard does not of itself confer immunity from legal obligations.

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