DIN EN ISO 13349:2012-07 (E)

Fans - Vocabulary and definitions of categories (ISO 13349:2010)

Contents

Page

Foreword 3

Introduction 4

1 Scope 5

2 Normative references 5

3 Terms and definitions 5
3.1 Fans -- General 5
3.2 Fan installation categories according to the arrangement of ducting 6
3.3 Types of fan according to their function 6
3.4 Fan types according to the fluid path within the impeller 7
3.5 Types of fan according to operating conditions 9
3.6 Fan elements 11

4 Symbols and units 12
4.1 Multiples of primary units 13
4.2 Units of time 13
4.3 Temperature of air or gas 13

5 Fan categories 13
5.1 General 13
5.2 Suitability for the fan pressure 13
5.3 Suitability of construction 14
5.4 Drive arrangements 16
5.5 Inlet and outlet conditions 20
5.6 Method of fan control 20
5.7 Designation of direction of rotation and position of parts of the fan assembly 21
5.8 Characteristic dimensions and component parts 22

Annex A (informative) Examples 45

Bibliography 47