

# DIN EN 378-1:2008-06 (E)

## Refrigerating systems and heat pumps - Safety and environmental requirements - Part 1: Basic requirements, definitions, classification and selection criteria

---

<b>Contents</b>		<b>Page</b>
Foreword .....		3
Introduction .....		4
1	Scope .....	7
2	Normative references .....	7
3	Definitions .....	7
3.1	Refrigerating systems .....	8
3.2	Occupancies, localities .....	9
3.3	Pressures .....	10
3.4	Components of refrigerating systems .....	11
3.5	Piping and joints .....	13
3.6	Safety accessories .....	14
3.7	Fluids .....	16
3.8	Miscellaneous .....	17
4	Classification .....	18
4.1	Refrigerating systems .....	18
4.2	Occupancies .....	19
4.3	Designation and Classification of refrigerants .....	20
4.4	Examples of systems .....	20
4.5	Special requirements for skating rinks .....	25
Annex A (informative) Equivalent terms in English, French and German .....		26
Annex B (informative) Total equivalent warming impact (TEWI) .....		30
Annex C (normative) Refrigerant Charge Limitations .....		33
Annex D (informative) Protection for people who are inside cold rooms .....		47
Annex E (normative) Safety classification and information about refrigerants .....		49
Annex F (informative) Safety group classifications .....		55
Annex G (normative) Special requirements for ice rinks .....		62
Bibliography .....		63