

ISO/TR 12942:2012-09 (E)

Compressors - Classification - Complementary information to ISO 5390

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Design classes	1
2.1	General	1
2.2	Classification by equipment type	3
2.3	Classification of compressor apparatuses by operation principles	3
2.4	Classification of compressor machines by operation principles	5
2.5	Design classes of compressor machines	6
3	Functional classes of the compressor equipment, terms and definitions	22
3.1	General	22
3.2	Basic functional classes of compressor machines	23
3.3	Formation principles of derivative functional classes for compressor machines	27
3.4	Functional classes of compressor apparatuses	32
4	Design classes of the aggregated compressor equipment, terms and definitions	34
4.1	General	34
4.2	Design classes of geared mechanical compressors	39
4.3	Design classes of driver-compressors	40
4.4	Design classes of geared driver-compressors	46
4.5	Design and service-duty classes of compressor plants	48
4.6	Design classes of packaged compressor plants	51
Annex A (informative) Design, functional and service-duty classification		54
Bibliography		59