|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | | | | TECHNICAL SPECIFICATIONPlant Requirement Specification | | | |
|  | | | | Electric motor | 00 Document Reg. No. / Page No. | | |
| 01 Plant | System | | | In-Plant Identification |  | | |
| 02 Safety Class (SC) | Functional Class | | | Location |  | | |
| 03 Status | Prepared | Reviewed | Approved | 04 Revision | Prepared | Reviewed | Approved |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |

#### Requirement Specification

|  |  |  |  |
| --- | --- | --- | --- |
| 21 Type of equipment/component | | | |
| 22 Functional specification | | | |
| 23 Rated voltage        V | Rated frequency  50 Hz | Speed        rpm | Coupling type (Delta or Y) |
| 24 Req. Shaft power, incl.        kW | Min. power        kW |  |  |
| 25 Mounting arrangement | Operating duty |  |  |
| 26 Degree of protection, motor | Degree of protection, terminal box | Electrical connection |  |
| 27 Drain holes  Yes  Special: | | | |
| 28 Remarks | | | |

Data Used for Calculations

|  |  |
| --- | --- |
| 30 Inertia with load  GD2/4       kgm2 |  |
| 31 Max. starting time to nominal speed at 100% UN        s | Max. starting time with load at 70% UN        s |

Service Conditions

|  |  |  |
| --- | --- | --- |
| 51  **Normal operation** | 52  **Extreme operation** | 53  **Accident Conditions** |
|  |  |  |
| Additional | Additional | Accident Transients |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
| 54 Remarks | | |

General Technical and Quality Requirements

|  |  |  |  |
| --- | --- | --- | --- |
| 71 Technical and Quality Requirements  TBE 100:1 |  |  |  |
| 72 Environmental Specifications |  | Additional Environment severities |  |
| 73 Additional Requirements | | | |
| 74 Safety Class (SC) | Functional Class | General Inspection Plan | Final Inspection plan |
| 75 Remarks | | | |

Surface treatment, Painting system

|  |  |
| --- | --- |
| 91 Surface treatment | Painting system |

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