



### Electrical data:

Rated motor voltage :	(50-600 V) D690 V/VF, 50 Hz		
Frequency :	50 Hz		
Rated power :	7.50 kW		
Rated motor speed :	1450 1/min		
Rated motor torque :	49,4 Nm		
Rated motor current :	VD	YY	
	15,0 A	8,7 A	
Starting / rated motor current :	7,7		
Breakdown / rated motor	3,3		
Starting / rated motor torque :	2,7		
Efficiency %	4/4	3/4	2/4
	86,0 %	86,0 %	85,0 %
Power factor :	0,84	0,80	0,71
Efficiency class :	IE1		

### Mechanical data:

Sound pressure level 50 Hz/60Hz (load)	62,00 dB
Moment of inertia :	0,024 kg m <sup>2</sup>
Bearing DE   NDE :	6308 C3   6308 C3
Type of bearing :	Loading bearing, NDE (standard)
Condensate drainage holes :	No
Regreasing device :	No
Lubricants :	Esso Unirex N3
Grease lifetime/Relubrication interval :	40000 h
Quantity of grease for relubrication :	null g
External earthing terminal :	Yes
Coating :	Special coating, RAL7030 gray

### Explosion protection:

Type of protection :	II 2G Ex de IIC T3-T4
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### Environmental conditions:

Ambient temperature :	-20,0 °C - +40 °C
Altitude above sea level :	1000 m
Standards and specifications :	IEC, DIN, ISO, VDE, EN

### General data:

Frame size :	132 M
Type of construction :	(0) IM B3 / B6 / B7 / B8 / V5 w/o canopy
Weight in kg, without optional accessories, :	90,00 kg
Frame material :	Gray cast iron
Degree of protection :	IP 55
Method of cooling, TEFC :	IC 411
Vibration class :	M (standard)
Insulation :	F (155°F) to B (130°F)
Duty type :	S1 - Continuous duty
Direction of rotation :	Bi-directional

### Terminal box:

Material of terminal box :	Aluminum
Type of terminal box :	gH 420
Contact screw thread :	M4
Max. cross-sectional area :	5,0 mm <sup>2</sup>
Cable diameter from ... to ... :	11,0 mm - 21,0 mm
Cable entry :	2xM32x1,5
Cable gland :	1 certified cable gland and 1 certified plug

# Siemens Electrical Motor Maintenance Manual

**Great Britain. Admiralty**



## **Siemens Electrical Motor Maintenance Manual:**

Motor Master User Guide ,1996      **Maintenance schedule of Electrical Substation Equipments** Er. Kaushik Utkal Mohanty, Prevention is better than cure and proper cure needed if a problem arises Maintenance is the key for both preventions and cures This book devoted to the electrical substation design and analysis and subjected to represent the maintenance of all types of electrical equipments In this book the maintenance schedule for the associated equipments to the substation installation commissioning and testing are highlighted with brief explanation This book covers all vital equipments serving the substation for power demands by both domestic and industrial applications In this book making or preparing maintenance schedule of dc machines induction machines synchronous machines transformer transmission line distribution lines underground cables circuit breakers switchgear protective relays sf 6 circuit breakers batteries in substation are presented with considering the electricity rules and regulations provide by the government This book will be very helpful for the students of under graduated and post graduate studies in technical and skill development institutions Various technical books technical firms research papers technical manuals notes of various educational firms and books associated to the title considered to enhance the quality of the literature for better understandings Electrical equipment must be serviced and tested on a regular basis in order to get the most out of it maintain its dependability and reduce maintenance costs Electrical equipment maintenance and overall safety are receiving more and more attention Many communities are enacting regulations and codes requiring periodic inspection and testing of large electrical facilities within their jurisdictions the federal government has passed laws requiring substation maintenance and insurance companies are basing premiums on the quality of a facility s maintenance program and equipment condition I wish to acknowledge the considerable contributions that many of my colleagues researchers refereed books text manuals and internet sources made indirectly to this book through countless studies and discussions for the successful presentation of the book on maintenance schedule of electrical substation equipments      **Naval Air Service Training Manual** Great Britain. Admiralty,1915      **Electrical Construction and Maintenance** ,1987      **Regional Industrial Buying Guide** ,2005      Practical Lubrication for Industrial Facilities Kenneth Bannister,2024-06-21 Practical Lubrication for Industrial Facilities Fourth Edition is a blueprint manual for any person department or corporation wanting to acquire practical working knowledge in the field of industrial lubrication study and application For this all new fourth edition the book has been extensively rewritten and updated for improved clarity and understanding The addition of color tables diagrams and photographs serves to provide an improved text that is comprehensive meaningful practical and easier to read With the advent of the ISO 55001 asset management standard the ICML 55 world lubrication standard and the rapidly rising interest and professional industrial lubrication certification of engineers and maintenance lubrication practitioners working in the field of mechanized equipment assets this book provides a one stop reference manual for individuals departments and corporations who wish to study understand practical lubrication

theory and its real world application within the industry Furthermore the book is designed to deliver the basic building blocks required to implement a practical and meaningful lubrication management program that meets and exceeds the requirements set out in the aforementioned ISO 55001 and ICML 55 standards designed to truly define World Class

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paid to energy efficiency of EV s Also today s trends mathematical models and computer design elements of future cars are presented      *The Proceedings of the 19th Annual Conference of China Electrotechnical Society* Qingxin Yang,Zhaohong Bie,Xu Yang,2025-04-18 This book compiles exceptional papers presented at the 19th Annual Conference of the China Electrotechnical Society CES held in Xi an China from September 20 to 22 2024 It encompasses a wide range of topics including electrical technology power systems electromagnetic emission technology and electrical equipment The book highlights innovative solutions that integrate concepts from various disciplines making it a valuable resource for researchers engineers practitioners research students and interested readers      **Advances in Technical Diagnostics II** Andrzej Puchalski,Bogusław Edward Łazarz,Fakher Chaari,Iwona Komorska,Radoslaw Zimroz,2023-05-20 This book reports on recent theories and methods for diagnostics and condition monitoring of machines materials and industrial processes with a special emphasis on the application of artificial intelligence and intelligent control systems Gathering original contributions to the 7th International Congress on Technical Diagnostics ICTD2022 held on September 14 16 2022 in Radom Poland this book offers extensive information on the latest trends in machine diagnostics and on IoT smart sensors and machine learning technology in advanced condition monitoring It addresses both scientists and professionals and is intended to foster communication and collaborations between the two groups      *Electrical World* ,1886

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