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Nota di contenuto	Contents; Preface; Acknowledgements; PART A: DRIVE TYPES AND CORE TECHNOLOGY; A1. Industrial motors; A2. Drive converter circuit topologies; A3. Power semiconductor devices; A4. Torque, speed and position control; A5. Position and speed feedback; A6. Motion control; A7. Voltage source inverter: four-quadrant operation; A8. Switched reluctance and stepper motor drives; PART B: THE DRIVE IN ITS ENVIRONMENT; B1. The a.c. supply; B2. Interaction between drives and motors; B3. Physical environment; B4. Thermal management; B5. Drive system power management: common d.c. bus topologies B6. Electromagnetic compatibility (EMC)B7. Protection; B8. Mechanical vibration, critical speed and torsional dynamics; B9. Installation and maintenance of standard motors and drives; PART C: PRACTICAL APPLICATIONS; C1. Application and drive characteristics; C2. Duty cycles; C3. Interfaces, communications and PC tools; C4. Typical drive functions; C5. Common techniques; C6. Industrial application examples; PART D: APPENDICES; D1. Symbols and formulae; D2. Conversion tables; D3. World industrial electricity supplies (<1 kV); Bibliography; Index
Sommario/riassunto	This book contains a great deal of practical information for drives and

industrial engineers who use motors and drives. It is a comprehensive guide to the technology underlying drives and motors. It contains sufficient theory to give both user and student an insight into the design of these components and thereby the constraints and opportunities that exist. It has been radically revised and expanded from the previous edition to contain much new information.

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