

TABLE OF CONTENTS

SECTION 3

Three Phase Line Reactors and DV/DT Filters



Why choose a Line Reactor?	100
Construction Features	103
Standard RM Line Reactor Specifications	105
RM Part Number Guide and Three Phase Selection Tables	106
RM Line Reactor Core & Coil Specification Tables	108
RM Line Reactor Enclosed Specification Tables	110
RM Line Reactor Application and Connection Diagrams	112
RM Line Reactor Termination Details	112
RM Line Reactor - Competitor Cross-Reference Table	113
RC DV/DT Filter Applications	114
RC DV/DT Filter Specifications	115
RC DV/DT Filter Part Number Guide and Selection Table	116
RM Line Reactor Open Style Reference Drawings	117
RC DV/DT Filter Open Style Reference Drawings	118

SECTION 4

Drive Isolation Transformers



Description & Applications	120
Selecting Drive Isolation Transformers.....	120
Standard Drive Isolation Transformers	
Aluminum and Copper Standard Specifications	121
Aluminum Selection Tables	122
Copper Selection Tables	126
Termination Details	131
HPS Tribune™ Energy Efficient Drive Isolation Transformers	
Aluminum and Copper Standard Specifications	132
Aluminum Selection Table	133
Copper Selection Tables	137
Termination Details	142
Enclosure Dimensional Drawings	260
Accessories	271
Electrical Schematics and Connections	276

SECTION 5

Motor Starting Autotransformers



Description and Applications	144
Copper Standard Specifications and Core & Coil Dimensional Drawings	145
Copper, Three Phase, 2-Coil Selection Tables	146
Copper, Three Phase, 3-Coil Selection Tables	147
Optional Thermostats	148

SECTION 6

Low Voltage Lighting Transformers



Single Phase Applications, Features and Specifications.....	150
Group A Selection Table	151
Group B Selection Table.....	151
Group C Selection Table.....	152
Enclosure Dimensional Drawings.....	262

TABLE OF CONTENTS

SECTION 7

Energy Efficient Distribution Transformers

Energy Efficiency Guidelines for the U.S.	154
Energy Efficiency Guidelines for Canada	155
NEMA Premium® Efficiency Transformer Program.....	156
Product Features and Applications.....	157
Energy Efficient Distribution Transformers Product Summary	157



HPS Sentinel® - Energy Efficient General Purpose

Single Phase, Aluminum and Copper Standard Specifications.....	160
Single Phase, Selection Tables	161
Three Phase, Aluminum and Copper Standard Specifications	165
Three Phase, Selection Tables.....	166

HPS SuperSentinel® Super Energy Efficient General Purpose

Single Phase, Aluminum and Copper Standard Specifications.....	175
Single Phase, Selection Tables	176
Three Phase, Aluminum and Copper Standard Specifications	180
Three Phase, Selection Tables.....	181

HPS Synergy® Energy Efficient K-Factor

K-Factor, Harmonics and Non-Linear Loads	189
Aluminum and Copper Standard Specifications	192
Three Phase, Selection Tables.....	193

HPS SuperSynergy® Super Energy Efficient K-Factor

Aluminum and Copper Standard Specifications	197
Three Phase, Selection Tables	198

HPS Centurion® Energy Efficient Harmonic Mitigating

600V Class Harmonic Mitigating Transformers	202
Three Phase, Aluminum and Copper Standard Specifications	204
Three Phase, Selection Tables	205

HPS SuperCenturion® Super Energy Efficient Harmonic Mitigating

Three Phase, Aluminum and Copper Standard Specifications	214
Three Phase, Selection Tables	215

Enclosure Dimensional Drawings.....	260
Accessories	271
Termination Details	275
Electrical Schematics and Connections	276



SECTION 8

Encapsulated Dry-Type Distribution Transformers

HPS Fortress Commercial Encapsulated Transformers

HPS Fortress Applications and Features	224
Single Phase, Standard Specifications	226
Single Phase, Selection Tables	227
Three Phase, Standard Specifications	230
Three Phase, Selection Tables	231

HPS TITAN Industrial Encapsulated Transformers

HPS TITAN Applications.....	233
HPS TITAN Features and Benefits.....	234
Single Phase Standard Specifications	235
Single Phase Selection Tables	236
Three Phase Standard Specifications	238
Three Phase Selection Tables.....	239

Enclosure Dimensional Drawings.....	260
Accessories	271
Electrical Schematics and Connections	276

