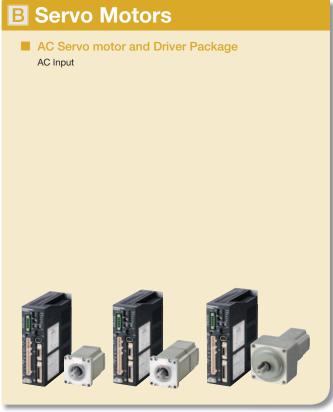
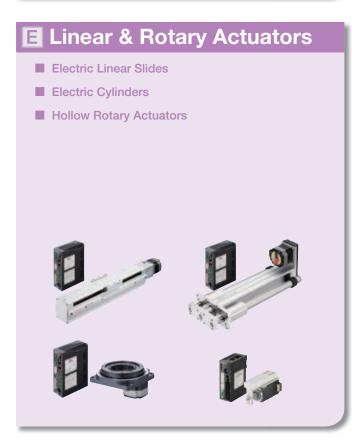
Oriental motorGeneral Catalog 2015/2016

■ Stepper Motor and Driver Packages, AC Input 0.36°/Geared αstep 0.72°/Geared ■ Stepper Motor and Driver Packages, DC Input 0.36°/Geared αstep 0.72°/0.36°/Geared 1.8°/0.9°/Geared 1.8°/0.9°/Geared 0.72°/0.36° ■ Stepper Motors (Motor Only) 1.8°/0.9°/Geared 0.72°/0.36°







For first time users

▶Page 8

 Oriental Motor Provides Customer Support for Products and Services

▶Page 10

Constant Speed Motors Three-Phase Induction Motors/Single-Phase Induction Motors/ Reversible Motors/Electromagnetic Brake Motors/ Clutch & Brake Motors/Low-Speed Synchronous Motors Torque Motors Watertight, Dust-Resistant Motors Right-Angle Gearheads Linear Heads Brake Pack





Contents

Contents

	Page
Contents	
Before Selecting a Product	5
Symbols	7
How to Use This Catalog and the Website	8

	Page
The Products and Services Delivered by Oriental Motor	10
Selection Guide	
By Operating Function	15
By Basic Characteristics	18

A Stepper Motors

	Page
Overview, Product Series	r age
Product Series	A-2
Overview	A-7
How to Read Specifications	A-14
How to Read Speed - Torque Characteristics	A-15
Common Specifications	A-16
AC Input Stepper Motor and Driver Packages	A-19
0.36°/Geared <i>QSTEP</i> AR Series	A-20
0.36°/Geared <i>QsteP</i> Absolute AZ Series	A-74
0.72°/Geared RKII Series	A-84
DC Input Stepper Motor and Driver Packages	A-135
0.36°/Geared <i>XSTEP</i> AR Series	A-136
0.36°/Geared <i>QSTEP</i> Absolute AZ Series	A-196
0.72°/0.36°/Geared CRK Series	A-206
1.8°/Geared RBK Series	A-214
1.8°/0.9°/Geared CMK Series	A-220
0.72° All-in-One PKA Series	A-226
Motor Only	A-233
1.8°/0.9° PKP Series/ PK Series	A-234
Geared PKP Series	A-256
0.72°/0.36° PKP Series	A-266
Accessories	A-269

B Servo Motors

	Page
Overview, Product Series	
Overview	B-2
How to Read Specifications	B-7
How to Read Speed - Torque Characteristics	B-8
Tuning-Free Servo Motor and Driver Package NX Series	B-10

C Standard AC Motors

	Page
Overview, Product Series	
Product Series	C-2
Overview	C-3
Constant Speed Motors	C-9
Features and Types	C-10
How to Read Specifications	C-12
Common Specifications	C-17
Three-Phase Induction Motors	C-21
Features and Types	C-22
General Specifications	C-30
60 W, 100 W (KII\$ Series)	C-32
6~200 W (World K Series, BH Series)	C-58
Single-Phase Induction Motors	C-113
Features and Types	C-114
General Specifications	C-119
6~200 W (KII Series, World K Series, BH Series)	C-120
40~150 W, 2-Pole High-Speed Type (World K Series)	C-142
Reversible Motors	C-147
Electromagnetic Brake Motors	C-155
Clutch & Brake Motors	C-163
Low-Speed Synchronous Motors	C-167
Torque Motors	C-171
Watertight, Dust-Resistant Motors	C-177
Right-Angle Gearheads	C-181
Linear Heads	C-185
Brake Pack	C-191
Accessories	C-195
Installation	C-209

D Brushless Motors/AC Speed Control Motors

	Page
Overview, Product Series	
Product Series	D-2
Overview	D-5
Brushless Motors	D-11
Features and Types	D-12
How to Read Specifications	D-15
AC Input	
BMU Series	D-18
BLE Series	D-42
BLF Series	D-82
BXII Series	D-86
DC Input	
BLH Series	D-118
AC Speed Control Motors	D-135
Types	D-136
How to Read Specifications	D-137
DSC Series	D-138
BHF Series	D-176
Accessories	D-179
Installation	D-191

E Linear & Rotary Actuators

	Page
Overview, Product Series	
Overview	E-2
Types and Applications	E-4
Selection of Electric Linear Slides	E-6
Selection of Electric Cylinders	E-8
Selection of Hollow Rotary Actuators	E-12
Drivers for Linear & Rotary Actuators	E-14
Electric Linear Slides	
EAS Series OSTEP AR Equipped	E-16
Electric Cylinders	
EAC Series QSTEP AR Equipped	E-56
DRLII Series	E-108
Hollow Rotary Actuators	
DGII Series <i>O</i> STEP AR Equipped	E-118
Accessories	E-139

F Network-Compatible Products, Controller

	Page
Network-Compatible Products	
Overview	F-2
Modbus (RTU)-Compatible Product	F-6
EtherCAT-Compatible Product CC-Link-Compatible Product MECHATROLINK-Compatible Product	F-7
Network Converters	F-8
Controller	
Overview	F-10
SCX11	F-12

G Cooling Fans

	Page
Overview, Product Series	
Product Series	G-2
Overview	G-4
Maximum Air Flow and Maximum Static Pressure	G-10
How to Read Specifications	G-13
Alarm Specifications	G-14
Axial Flow Fans	G-17
AC Input	
Low-Power Consumption EMU Series	G-22
Compact Size MU Series	G-26
Large Size, Large Air Flow MRS Series	G-36
Long-Life MRE Series	G-52
DC Input	
MDS Series, MD Series	G-56
Low Speed Alarm MDA Series	G-76
Variable Flow MDV Series	G-80
Long-Life MDE Series	G-82
Splash Proof MDP Series	G-84
Centrifugal Blowers	G-87
Cross Flow Fans	G-91
Enclosure Fan Modules	G-95
Thermostat	G-103
Accessories	G-107
Installation	G-115

H Technical Reference

	Page
Selection Calculations	
Motors	H-2
Linear & Rotary Actuators	H-18
Cooling Fans	H-29
Service Life	H-30
Stepper Motors	H-34
Servo Motors	H-42
Standard AC Motors	H-44
Brushless Motors/AC Speed Control Motors	H-47
Gearheads	H-49
Cooling Fans	H-56

☐ General Information

	Page
Global Regulations & Standards	I-2
ISO 9001, ISO 14001	I-11
Corporate Overview	I-12
Global Sales Network	I-14
How to Use Web Sizing Tool	I-18
Conversion Charts	I-19
Product Line Updates	I-20
Product Index	I-26