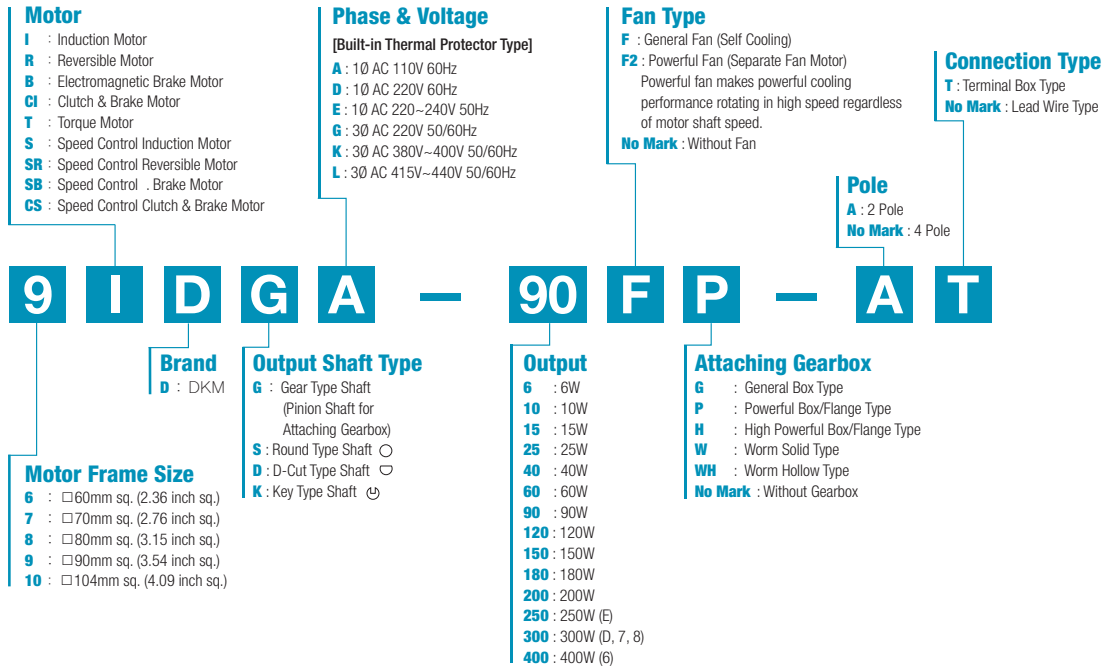


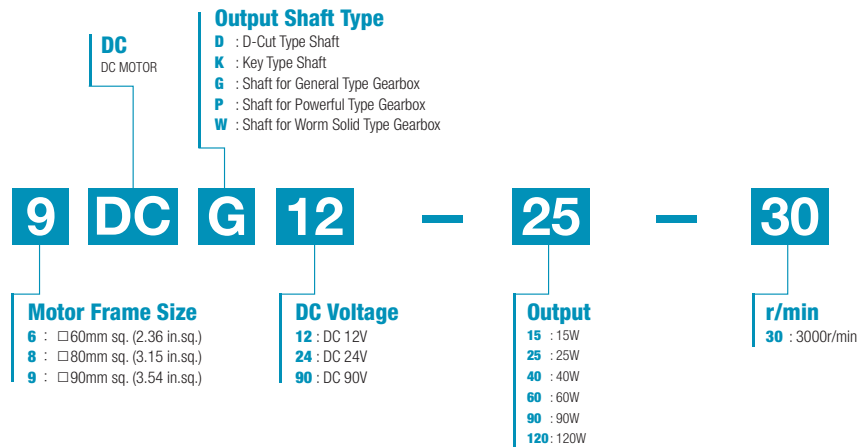
# A Information

## Product Coding System

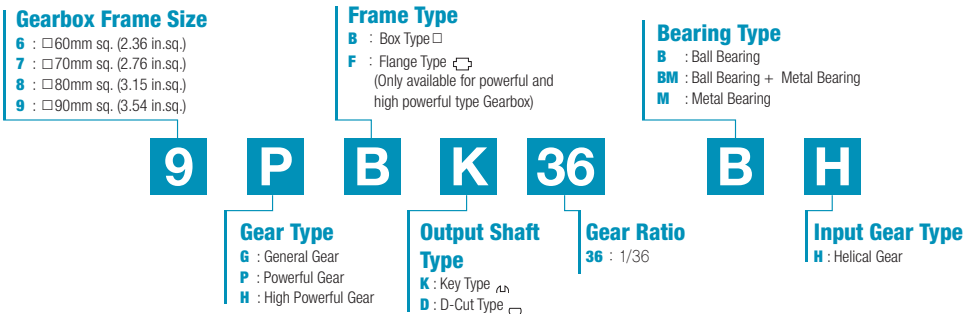
### AC Motors



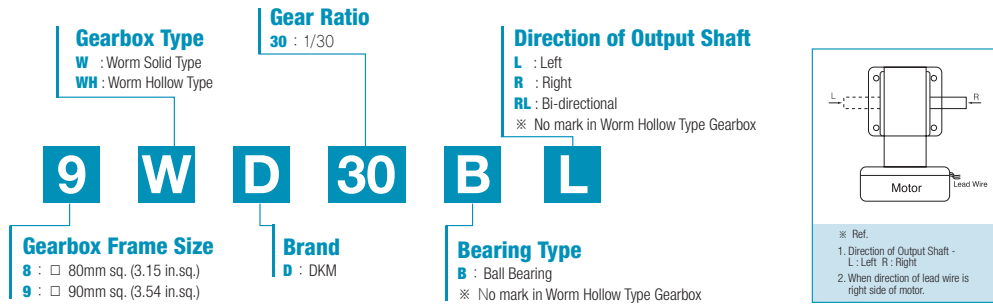
### DC Motors



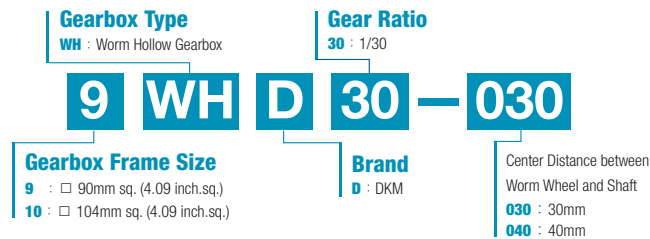
## Parallel Gearbox



## Worm Solid Gearbox



## Worm Hollow Gearbox



## Inter-decimal Gearbox



In case of requiring high gear reduction ratio that cannot be generated by single Gearbox, please use Inter-decimal Gearbox with general Gearbox. And please be advised that in this case only revolution speed of output shaft will reduce by 10:1 without increasing of maximum permissible torque.

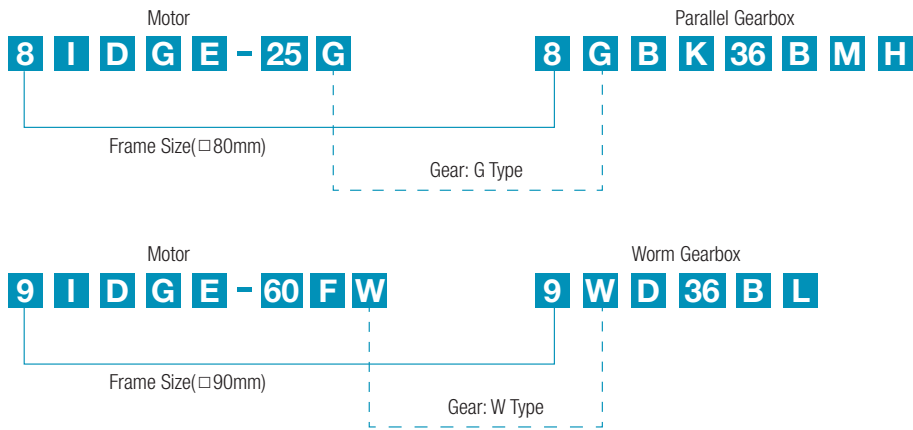
# A Information

## Product Coding System

### Assembly of Motor and Gearbox

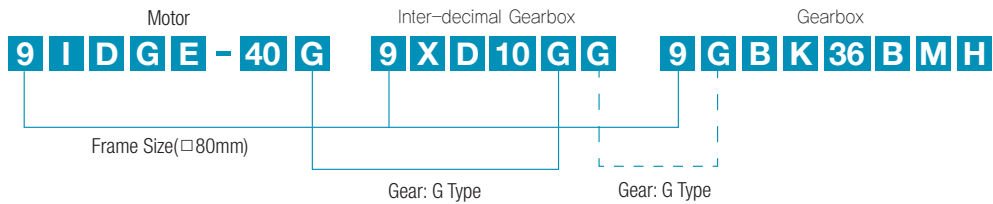
#### Motor + Gearbox

- As shown in the following scheme, motor and Gearbox which have same frame size and gear type could be assembled.



#### Motor + Inter-decimal Gearbox + Gearbox

- When using an inter-decimal Gearbox together, give attention to the gear types of motor, Gearbox and inter-decimal Gearbox.



- When attaching inter-decimal Gearbox, the output shaft type of the motor is always G Type.  
For example, when using P/H/W/WH type Gearbox, only the gear type of inter-decimal Gearbox is identical with attached Gearbox and the output shaft type of the motor is G type. (Refer to the scheme below.)

## Products Lineup

### AC Motors

Frame Size	Voltage		Induction Motor					Page	
	Output		A 1∅ 110V 60Hz	D 1∅ 220V 60Hz	E 1∅ 220~240V 50Hz	G 3∅ 220V 50/60Hz	K 3∅ 380V~400V 50/60Hz		L 3∅ 415V~440V 50/60Hz
60mm	6W		6ID*A-6□(-T)	6ID*D-6□(-T)	6ID*E-6□(-T)	-	-	-	B-09
	6W		7ID*A-6□(-T)	7ID*D-6□(-T)	7ID*E-6□(-T)	-	-	-	B-11
70mm	10W		7ID*A-10□(-T)	7ID*D-10□(-T)	7ID*E-10□(-T)	-	-	-	B-13
	15W		7ID*A-15□(-T)	7ID*D-15□(-T)	7ID*E-15□(-T)	-	-	-	B-15
80mm	15W		8ID*A-15□(-T)	8ID*D-15□(-T)	8ID*E-15□(-T)	8ID*G-15□(-T)	8ID*K-15□(-T)	8ID*L-15□(-T)	B-17
	25W		8ID*A-25□(-T)	8ID*D-25□(-T)	8ID*E-25□(-T)	8ID*G-25□(-T)	8ID*K-25□(-T)	8ID*L-25□(-T)	B-20
90mm	40W		9ID*A-40□(-T)	9ID*D-40□(-T)	9ID*E-40□(-T)	9ID*G-40□(-T)	9ID*K-40□(-T)	9ID*L-40□(-T)	B-23
	60W		9ID*A-60F□(-T)	9ID*D-60F□(-T)	9ID*E-60F□(-T)	9ID*G-60F□(-T)	9ID*K-60F□(-T)	9ID*L-60F□(-T)	B-26
	90W		9ID*A-90F□(-T)	9ID*D-90F□(-T)	9ID*E-90F□(-T)	9ID*G-90F□(-T)	9ID*K-90F□(-T)	9ID*L-90F□(-T)	B-30
	120W		9ID*A-120F□(-T)	9ID*D-120F□(-T)	9ID*E-120F□(-T)	9ID*G-120F□(-T)	9ID*K-120F□(-T)	9ID*L-120F□(-T)	B-34
	150W		-	-	-	9ID*G-150F□(-T)	9ID*K-150F□(-T)	9ID*L-150F□(-T)	B-38
	180W		-	9ID*D-180F□(-T)	9ID*E-180F□(-T)	-	-	-	B-41
	200W		-	-	-	9ID*G-200F□(-T)	9ID*K-200F□(-T)	9ID*L-200F□(-T)	B-44
104mm	250W		-	-	10IDGE-250F□(-T)	-	-	-	B-47
	300W		-	10IDGD-300F□(-T)	-	-	10IDG7-300F□(-T)	10IDG8-300F□(-T)	B-50
	400W		-	-	-	10IDG6-400F□(-T)	-	-	B-53

Frame Size	Voltage		2 Pole Motor					Page	
	Output		A 1∅ 110V 60Hz	D 1∅ 220V 60Hz	E 1∅ 220~240V 50Hz	G 3∅ 220V 50/60Hz	K 3∅ 380V~400V 50/60Hz		L 3∅ 415V~440V 50/60Hz
80mm	15W		8ID*A-15-A(-T)	8ID*D-15-A(-T)	8ID*E-15-A(-T)	8ID*G-15-A(-T)	-	-	B-57
	25W		8ID*A-25-A(-T)	8ID*D-25-A(-T)	8ID*E-25-A(-T)	8ID*G-25-A(-T)	-	-	B-59
90mm	40W		9ID*A-40-A(-T)	9ID*D-40-A(-T)	9ID*E-40-A(-T)	9ID*G-40-A(-T)	9ID*K-40-A(-T)	9ID*L-40-A(-T)	B-61
	60W		9ID*A-60F-A(-T)	9ID*D-60F-A(-T)	9ID*E-60F-A(-T)	9ID*G-60F-A(-T)	9ID*K-60F-A(-T)	9ID*L-60F-A(-T)	B-63
	90W		9ID*A-90F-A(-T)	9ID*D-90F-A(-T)	9ID*E-90F-A(-T)	9ID*G-90F-A(-T)	9ID*K-90F-A(-T)	9ID*L-90F-A(-T)	B-65
	120W		9ID*A-120F-A(-T)	9ID*D-120F-A(-T)	9ID*E-120F-A(-T)	9ID*G-120F-A(-T)	9ID*K-120F-A(-T)	9ID*L-120F-A(-T)	B-67
	150W		-	-	-	9ID*G-150F-A(-T)	9ID*K-150F-A(-T)	9ID*L-150F-A(-T)	B-69
	200W		-	-	-	9ID*G-200F-A(-T)	9ID*K-200F-A(-T)	9ID*L-200F-A(-T)	B-71

Frame Size	Voltage		Reversible Motor					Page	
	Output		A 1∅ 110V 60Hz	D 1∅ 220V 60Hz	E 1∅ 220~240V 50Hz	G 3∅ 220V 50/60Hz	K 3∅ 380V~400V 50/60Hz		L 3∅ 415V~440V 50/60Hz
60mm	6W		6RD*A-6□(-T)	6RD*D-6□(-T)	6RD*E-6□(-T)	-	-	-	B-75
	6W		7RD*A-6□(-T)	7RD*D-6□(-T)	7RD*E-6□(-T)	-	-	-	B-77
70mm	10W		7RD*A-10□(-T)	7RD*D-10□(-T)	7RD*E-10□(-T)	-	-	-	B-79
	15W		7RD*A-15□(-T)	7RD*D-15□(-T)	7RD*E-15□(-T)	-	-	-	B-83
80mm	15W		8RD*A-15□(-T)	8RD*D-15□(-T)	8RD*E-15□(-T)	-	-	-	B-85
	25W		8RD*A-25□(-T)	8RD*D-25□(-T)	8RD*E-25□(-T)	-	-	-	B-88
90mm	40W		9RD*A-40□(-T)	9RD*D-40□(-T)	9RD*E-40□(-T)	-	-	-	B-91
	60W		9RD*A-60F□(-T)	9RD*D-60F□(-T)	9RD*E-60F□(-T)	-	-	-	B-94
	90W		9RD*A-90F□(-T)	9RD*D-90F□(-T)	9RD*E-90F□(-T)	-	-	-	B-98
	120W		9RD*A-120F□(-T)	9RD*D-120F□(-T)	9RD*E-120F□(-T)	-	-	-	B-102

1. Enter the output shaft type of motor (G: Gear Type/S: Round Type/D: D-Cut Type/K: Key Type) in the place \* within the motor model name.
2. Enter the model type of attaching Gearbox (G Type/P Type/H Type/W Type/WH Type) in the box (□) within the motor model name.
3. When using terminal box type motor, '-T' is added to the end of the motor model name.
4. All models contain a built-in thermal protector.

# A Information

## Products Lineup

### AC Motors

Frame Size	Voltage Output	Brake Motor						Page
		A 1Ø 110V 60Hz	D 1Ø 220V 60Hz	E 1Ø 220~240V 50Hz	G 3Ø 220V 50/60Hz	K 3Ø 380V~400V 50/60Hz	L 3Ø 415V~440V 50/60Hz	
70mm	6W	7BD*A-6□(-T)	7BD*D-6□(-T)	7BD*E-6□(-T)	-	-	-	B-107
	10W	7BD*A-10□(-T)	7BD*D-10□(-T)	7BD*E-10□(-T)	-	-	-	B-109
	15W	7BD*A-15□(-T)	7BD*D-15□(-T)	7BD*E-15□(-T)	-	-	-	B-111
80mm	15W	8BD*A-15□(-T)	8BD*D-15□(-T)	8BD*E-15□(-T)	8BD*G-15□(-T)	8BD*K-15□(-T)	8BD*L-15□(-T)	B-113
	25W	8BD*A-25□(-T)	8BD*D-25□(-T)	8BD*E-25□(-T)	8BD*G-25□(-T)	8BD*K-25□(-T)	8BD*L-25□(-T)	B-115
90mm	40W	9BD*A-40□(-T)	9BD*D-40□(-T)	9BD*E-40□(-T)	9BD*G-40□(-T)	9BD*K-40□(-T)	9BD*L-40□(-T)	B-116
	60W	9BD*A-60F□(-T)	9BD*D-60F□(-T)	9BD*E-60F□(-T)	9BD*G-60F□(-T)	9BD*K-60F□(-T)	9BD*L-60F□(-T)	B-121
	90W	9BD*A-90F□(-T)	9BD*D-90F□(-T)	9BD*E-90F□(-T)	9BD*G-90F□(-T)	9BD*K-90F□(-T)	9BD*L-90F□(-T)	B-124
	120W	9BD*A-120F□(-T)	9BD*D-120F□(-T)	9BD*E-120F□(-T)	9BD*G-120F□(-T)	9BD*K-120F□(-T)	9BD*L-120F□(-T)	B-128
	150W	-	-	-	9BD*G-150F□(-T)	9BD*K-150F□(-T)	9BD*L-150F□(-T)	B-132
	180W	-	9BD*D-180F□(-T)	9BD*E-180F□(-T)	-	-	-	B-136
	200W	-	-	-	9BD*G-200F□(-T)	9BD*K-200F□(-T)	9BD*L-200F□(-T)	B-142

Frame Size	Voltage Output	Clutch & Brake Motor						Page
		A 1Ø 110V 60Hz	D 1Ø 220V 60Hz	E 1Ø 220~240V 50Hz	G 3Ø 220V 50/60Hz	K 3Ø 380V~400V 50/60Hz	L 3Ø 415V~440V 50/60Hz	
80mm	15W	8CID*A-15□(-T)	8CID*D-15□(-T)	8CID*E-15□(-T)	8CID*G-15□(-T)	8CID*K-15□(-T)	8CID*L-15□(-T)	B-149
	25W	8CID*A-25□(-T)	8CID*D-25□(-T)	8CID*E-25□(-T)	8CID*G-25□(-T)	8CID*K-25□(-T)	8CID*L-25□(-T)	B-151
90mm	40W	9CID*A-40□(-T)	9CID*D-40□(-T)	9CID*E-40□(-T)	9CID*G-40□(-T)	9CID*K-40□(-T)	9CID*L-40□(-T)	B-153
	60W	9CID*A-60F2□(-T)	9CID*D-60F2□(-T)	9CID*E-60F2□(-T)	9CID*G-60F2□(-T)	9CID*K-60F2□(-T)	9CID*L-60F2□(-T)	B-155
	90W	9CID*A-90F2□(-T)	9CID*D-90F2□(-T)	9CID*E-90F2□(-T)	9CID*G-90F2□(-T)	9CID*K-90F2□(-T)	9CID*L-90F2□(-T)	B-157
	120W	9CID*A-120F2□(-T)	9CID*D-120F2□(-T)	9CID*E-120F2□(-T)	9CID*G-120F2□(-T)	9CID*K-120F2□(-T)	9CID*L-120F2□(-T)	B-159

Frame Size	Voltage Output	Torque Motor						Page
		A 1Ø 110V 60Hz	D 1Ø 220V 60Hz	E 1Ø 220~240V 50Hz	G 3Ø 220V 50/60Hz	K 3Ø 380V~400V 50/60Hz	L 3Ø 415V~440V 50/60Hz	
70mm	6W	7TD*A-6□(-T)	7TD*D-6□(-T)	7TD*E-6□(-T)	-	-	-	B-165
80mm	10W	8TD*A-10□(-T)	8TD*D-10□(-T)	8TD*E-10□(-T)	-	-	-	B-167
	20W	9TD*A-20F2□(-T)	9TD*D-20F2□(-T)	9TD*E-20F2□(-T)	-	-	-	B-169
90mm	30W	9TD*A-30F2□(-T)	9TD*D-30F2□(-T)	9TD*E-30F2□(-T)	-	-	-	B-171
	40W	9TD*A-40F2□(-T)	9TD*D-40F2□(-T)	9TD*E-40F2□(-T)	-	-	-	B-173

1. Enter the output shaft type of motor (G: Gear Type/S: Round Type/D: D-Cut Type/K: Key Type) in the place \* within the motor model name.
2. Enter the model type of attaching Gearbox (G Type/P Type/H Type/W Type/WH Type) in the box (□) within the motor model name.
3. All models contain a built-in thermal protector.

Frame Size	Voltage		Speed Control Induction Motor					Page	
	Output		A 1∅ 110V 60Hz	D 1∅ 220V 60Hz	E 1∅ 220~240V 50Hz	G 3∅ 220V 50/60Hz	K 3∅ 380V~400V 50/60Hz		L 3∅ 415V~440V 50/60Hz
60mm	6W		6SD*A-6□(-T)	6SD*D-6□(-T)	6SD*E-6□(-T)	-	-	-	B-187
	6W		7SD*A-6□(-T)	7SD*D-6□(-T)	7SD*E-6□(-T)	-	-	-	B-189
70mm	10W		7SD*A-10□(-T)	7SD*D-10□(-T)	7SD*E-10□(-T)	-	-	-	B-192
	15W		7SD*A-15□(-T)	7SD*D-15□(-T)	7SD*E-15□(-T)	-	-	-	B-195
80mm	15W		8SD*A-15□(-T)	8SD*D-15□(-T)	8SD*E-15□(-T)	-	-	-	B-198
	25W		8SD*A-25□(-T)	8SD*D-25□(-T)	8SD*E-25□(-T)	-	-	-	B-201
90mm	40W		9SD*A-40□(-T)	9SD*D-40□(-T)	9SD*E-40□(-T)	-	-	-	B-204
	60W		9SD*A-60F2□(-T)	9SD*D-60F2□(-T)	9SD*E-60F2□(-T)	-	-	-	B-207
	90W		9SD*A-90F2□(-T)	9SD*D-90F2□(-T)	9SD*E-90F2□(-T)	-	-	-	B-211
	120W		9SD*A-120F2□(-T)	9SD*D-120F2□(-T)	9SD*E-120F2□(-T)	-	-	-	B-215
	180W		-	9SD*D-180F2□(-T)	9SD*E-180F2□(-T)	-	-	-	B-219

Frame Size	Voltage		Speed Control Reversible Motor					Page	
	Output		A 1∅ 110V 60Hz	D 1∅ 220V 60Hz	E 1∅ 220~240V 50Hz	G 3∅ 220V 50/60Hz	K 3∅ 380V~400V 50/60Hz		L 3∅ 415V~440V 50/60Hz
70mm	6W		7SRD*A-6□(-T)	7SRD*D-6□(-T)	7SRD*E-6□(-T)	-	-	-	B-223
	10W		7SRD*A-10□(-T)	7SRD*D-10□(-T)	7SRD*E-10□(-T)	-	-	-	B-225
	15W		7SRD*A-15□(-T)	7SRD*D-15□(-T)	7SRD*E-15□(-T)	-	-	-	B-227
80mm	15W		8SRD*A-15□(-T)	8SRD*D-15□(-T)	8SRD*E-15□(-T)	-	-	-	B-229
	25W		8SRD*A-25□(-T)	8SRD*D-25□(-T)	8SRD*E-25□(-T)	-	-	-	B-232
90mm	40W		9SRD*A-40□(-T)	9SRD*D-40□(-T)	9SRD*E-40□(-T)	-	-	-	B-235
	60W		9SRD*A-60F2□(-T)	9SRD*D-60F2□(-T)	9SRD*E-60F2□(-T)	-	-	-	B-238
	90W		9SRD*A-90F2□(-T)	9SRD*D-90F2□(-T)	9SRD*E-90F2□(-T)	-	-	-	B-242
	120W		9SRD*A-120F2□(-T)	9SRD*D-120F2□(-T)	9SRD*E-120F2□(-T)	-	-	-	B-246

Frame Size	Voltage		Speed Control Brake Motor					Page	
	Output		A 1∅ 110V 60Hz	D 1∅ 220V 60Hz	E 1∅ 220~240V 50Hz	G 3∅ 220V 50/60Hz	K 3∅ 380V~400V 50/60Hz		L 3∅ 415V~440V 50/60Hz
80mm	15W		8SBD*A-15□(-T)	8SBD*D-15□(-T)	8SBD*E-15□(-T)	-	-	-	B-251
	25W		8SBD*A-25□(-T)	8SBD*D-25□(-T)	8SBD*E-25□(-T)	-	-	-	B-254
90mm	40W		9SBD*A-40□(-T)	9SBD*D-40□(-T)	9SBD*E-40□(-T)	-	-	-	B-257
	60W		9SBD*A-60F2□(-T)	9SBD*D-60F2□(-T)	9SBD*E-60F2□(-T)	-	-	-	B-260
	90W		9SBD*A-90F2□(-T)	9SBD*D-90F2□(-T)	9SBD*E-90F2□(-T)	-	-	-	B-264
	120W		9SBD*A-120F2□(-T)	9SBD*D-120F2□(-T)	9SBD*E-120F2□(-T)	-	-	-	B-268
	180W		-	9SBD*D-180F2□(-T)	9SBD*E-180F2□(-T)	-	-	-	B-272

1. Enter the output shaft type of motor (G: Gear Type/S: Round Type/D: D-Cut Type/K: Key Type) in the place \* within the motor model name.
2. Enter the model type of attaching Gearbox (G Type/P Type/H Type/W Type/WH Type) in the box (□) within the motor model name.
3. All models contain a built-in thermal protector.

# A Information

## Products Lineup

### AC Motors

Frame Size	Voltage Output	Speed Control Clutch & Brake Motor						Page
		A 1Ø 110V 60Hz	D 1Ø 220V 60Hz	E 1Ø 220~240V 50Hz	G 3Ø 220V 50/60Hz	K 3Ø 380V~400V 50/60Hz	L 3Ø 415V~440V 50/60Hz	
80mm	15W	8CSD*A-15□(-T)	8CSD*D-15□(-T)	8CSD*E-15□(-T)	-	-	-	B-277
	25W	8CSD*A-25□(-T)	8CSD*D-25□(-T)	8CSD*E-25□(-T)	-	-	-	B-279
90mm	40W	9CSD*A-40□(-T)	9CSD*D-40□(-T)	9CSD*E-40□(-T)	-	-	-	B-281
	60W	9CSD*A-60F2□(-T)	9CSD*D-60F2□(-T)	9CSD*E-60F2□(-T)	-	-	-	B-283
	90W	9CSD*A-90F2□(-T)	9CSD*D-90F2□(-T)	9CSD*E-90F2□(-T)	-	-	-	B-285
	120W	9CSD*A-120F2□(-T)	9CSD*D-120F2□(-T)	9CSD*E-120F2□(-T)	-	-	-	B-287

1. G : Gear type is only available.
2. Enter the output shaft type of motor (G: Gear Type / K: Key Type) in the place \* within the motor model name.
3. Enter the model type of attaching Gearbox (G Type/P Type / H Type / WH Type) in the box (□) within the motor model name.
4. All models contain a built-in thermal protector.

### DC Motors

Frame Size	Voltage Output	DC Motor			Page
		DC 12V	DC 24V	DC 90V	
60mm	15W	6DC*12-15-30	6DC*24-15-30	6DC*90-15-30	C-05
80mm	25W	8DC*12-25-30	8DC*24-25-30	8DC*90-25-30	C-07
	40W	8DC*12-40-30	8DC*24-40-30	8DC*90-40-30	C-09
90mm	60W	9DC*12-60-30	9DC*24-60-30	9DC*90-60-30	C-11
	90W	9DC*12-90-30	9DC*24-90-30	9DC*90-90-30	C-13
	120W	9DC*12-120-30	9DC*24-120-30	9DC*90-120-30	C-15

1. Enter the output shaft type of motor in the place \* within the motor model name.  
(D: D-Cut Type/K: Key Type/G: Shaft for G Type Gearbox/P: Shaft for P Type Gearbox/W: Shaft for W Type Gearbox)

### Gearbox

Type	Frame Size	Gearbox Model	Gear Reduction Ratio	Page	
Parallel Gearbox	G Type	60mm	6GBD□MH	3/3.6/5/6/7.5/9/10/12.5/15/18/20/25/30/36/40/50/60/75/90/100/120/150/180/200/250	D-07
		70mm	7GBK□BMH	3/3.6/6/7.5/9/12.5/15/18/25/30/36/50/60/75/90/100/120/150/180	D-07
		80mm	8GBK□BMH	3/3.6/5/6/7.5/9/12.5/15/18/25/30/36/40/50/60/75/90/100/120/150/180/200/250/300/360	D-08
		90mm	9GBK□BMH	2/3/3.6/5/6/7.5/9/10/12.5/15/18/25/30/36/40/50/60/75/90/100/120/150/180	D-09
	P Type	90mm	9PBK□BH/9PFK□BH	2/3/3.6/5/6/7.5/9/12.5/15/18/20/25/30/36/40/50/60/75/90/100/120/150/180	D-10
	H Type	90mm	9HBK□BH/9HFK□BH	3/3.6/6/9/12.5/15/18/20/25/30/36/50/60/75/90/100/120/150/180	D-11
Worm Gearbox	W Type	80mm	8WD□BL/□BR/□BRL	10/12/15/18/25/30/36/50/60	D-13
		90mm	9WD□BL/□BR/□BRL	10/12/15/18/25/30/36/50/60	D-13
	WH Type	90mm	9WHD□-030	7.5/10/15/20/25/30/40/50/60/80	D-14
		90mm	9WHD□-040	50/60/80/100	D-15
		104mm	10WHD□-040	7.5/10/15/20/25/30/40	D-15
Inter-decimal Gearbox	80mm	8XD10□□	10	D-16	
	90mm	9XD10□□	10	D-16	

1. Enter the gear ratio in the box (□) within the Gearbox model name.
2. Enter the model type of attaching Gearbox (G/P/H/W/WH) in the place \*.

## General Information

### How to Read Motor Specifications

Model		3 B U F E - P B E											
9IDG*-60F□(-T): Gear Type Shaft 9IDD*-60F(-T): D-Cut Type Shaft 9IDK*-60F(-T): Key Type Shaft		0 V UQ	W W MU	B 'HS F RV	F Q P Z M	FT	%4UUB Z U J OH	5 a P S R V F	4 QF F S V SS	F C5 P SR V F	!	\$ B QBD	
- F B E 8 J	S F 5 Z Q F 5 F	! E 8	7	) [		L H GDN	S N/J ON"	L H GDN					
* ( " )	' / * ( " )	/ 5					\$ P O U						
* ( )	' / * ( )	/ 5					\$ P O U						
* ( & )	' / * ( & )	/ 5					\$ P O U						
* ( ( )	' / * ( ( )	/ 5					\$ P O U						
* ( , )	' / * ( , )	/ 5					\$ P O U						

- ① Output: The amount of work that can be performed in a given period of time. It can be used as a criterion for motor capability.
- ② Starting Torque: This term refers to the torque generated the instant the motor starts. If the motor is subjected to a friction load smaller than this torque, it will operate.
- ③ Speed: This is the speed of the motor when the motor is producing rated torque.
- ④ Current: The current value used by a motor when the motor is producing rated torque.
- ⑤ Torque: This is the torque created when the motor is operating most efficiently. Though the maximum torque is far greater, rated torque should, from the standpoint of utility, be the highest torque.

### How to Read Gearbox Specifications

#### 60Hz

Motor Model	Gearbox Model	감속비	2	3	3.6	5	6	7.5	9	12.5	15	18	20
9IDG□-60FP	9PBK□BH 9PFK□BH	r/min	900	600	500	360	300	240	200	144	120	100	90
		kgfcm	7.0	10.5	12.5	17.4	20.9	26.1	31.4	39.4	47.3	56.7	57.1
9IDG□-60FH	9HBK□BH 9HFK□BH	N.m	0.68	1.02	1.23	1.71	2.05	2.56	3.07	3.86	4.63	5.56	5.60
		kgfcm	1 a -	10.5	12.5	-	20.9	-	31.4	39.4	47.3	56.7	57.1
		N.m		1.02	1.23		2.05		3.07	3.86	4.63	5.56	5.60

Motor Model	Gearbox Model	감속비	25	30	36	40	50	60	75	90	100	120	150	180
9IDG□-60FP	9PBK□BH 9PFK□BH	r/min	72	60	50	45	36	30	24	20	18	15	12	10
		kgfcm	71.4	85.7	102.8	114.2	142.8	171.4	192.2	200.0	200.0	200.0	200.0	200.0
9IDG□-60FH	9HBK□BH 9HFK□BH	N.m	7.00	8.40	10.08	11.20	13.99	16.79	18.83	19.60	19.60	19.60	19.60	19.60
		kgfcm	71.4	85.7	102.8	-	142.8	171.4	192.2	230.6	256.2	300.0	300.0	300.0
		N.m	7.00	8.40	10.08		13.99	16.79	18.83	22.60	25.11	29.40	29.40	29.40

- ① Permissible Torque: It refers to the value of load torque driven by the Gearbox's output shaft. Each value is shown for the corresponding gear ratio.
- ② r/min: This refers to the speed of rotation in the Gearbox output shaft. The speeds, depending on gear ratio, are shown in the permissible torque table when the Gearbox is attached. The speed is calculated by dividing the motor's synchronous speed (50Hz: 1,500r/min, 60Hz: 1,800r/min) by the gear ratio. The actual speed, according to the load condition, is 2~20% less than the displayed value.
- ③ Direction of Rotation: This refers to the direction of rotation viewed from the output shaft. The colored background areas indicate rotation in the same direction as the motor shaft, while the others rotate in the opposite direction. The direction of Gearbox shaft rotation may differ from motor shaft rotation depending on the gear ratio of the Gearbox.