LUYANG
Luyang Technology Co., Ltd.

--- Your Best Partner In Gear Motor ---

PRODUCTS & SOLUTIONS | THE POWER TO DRIVE YOU...

CE cULus Made in Taiwan

GEAR MOTOR · INDUCTION MOTOR · REVERSIBLE MOTOR

SPEED CONTROL MOTOR · BRAKE MOTOR

www.luyangmotor.com

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Made in Taiwan
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Induction Motor
LUVANG
D08GN24-3000
Gear Motor
LUVANG
TYPE: 08GN
VOLT: DC24V
DUTY: 30min
LV22-400-15-S3
Gear Motor
LUVANG

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The information in this catalogue is subject to change without notice.

About LY

Founded in 1979, LUYANG Technology Co., Ltd., is a professional manufacturer of gear motors and gearheads. We have accumulated experience in several decades to produce motors, and are devoted to develop new products to support domestic and international customers upon our high quality and service.

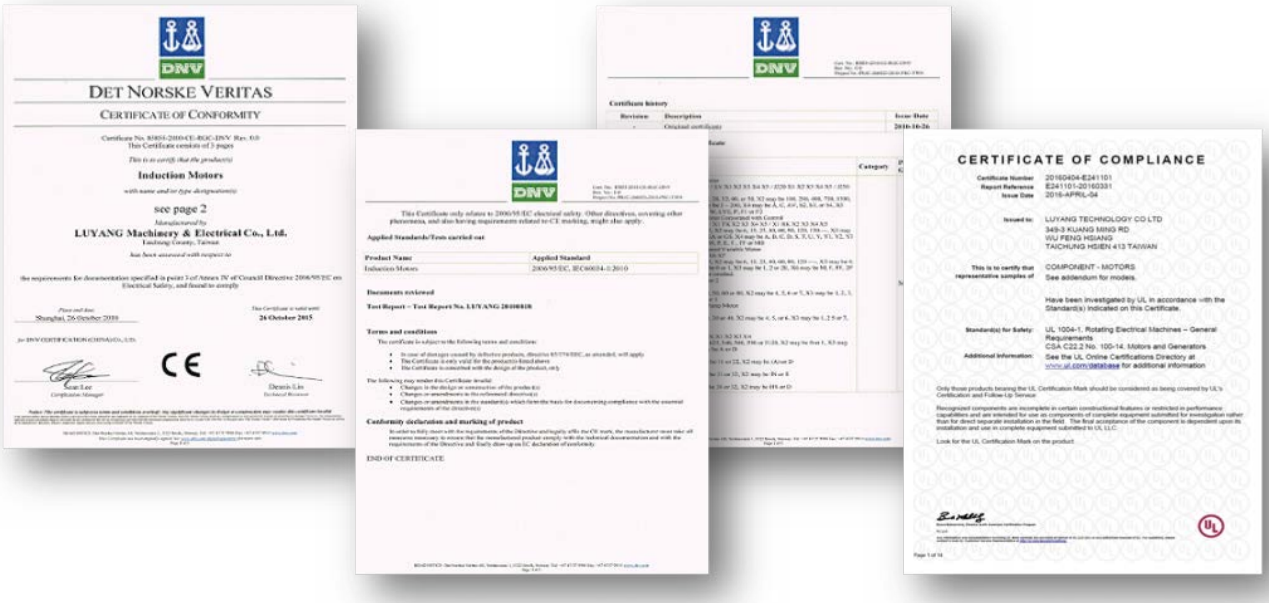
LUYANG Technology Co., Ltd. utilizes advanced high-tech instruments and equipment, fulfilling quality control; moreover, satisfying demand and expectation from customers by means of our thoughtful, attentive, and quick reactive service.

HISTORY

– 1979	LUYANG Industry is Founded
– 1986	Reorganized as LUYANG Machinery & Electrical, a professional manufacturer of gearmotors.
– 1992	Introduced AC motors “L Series”
– 1997	Introduced AC small motors “K Series”
– 2003	Approved CE certification
– 2010	Establish a new China branch at Kunshan City
– 2011	Reorganized as LUYANG Technology, a professional manufacturer of gearmotors.
– 2015	High efficiency gear motors are available
– 2016	UL certified for USA and Canada Approved

Certification CE & UL Standard

Our products meet international safety standards and acquired UL and CE Certification for the United States, Canada, and Europe market.



MADE IN TAIWAN

Based in Taiwan, we are committed to producing high quality, reliable components and products.

APPLICATION OF MOTORS

GEAR MOTORS

- Packing Machine
- Conveyor Machine
- Automated Machinery and Equipment
- Cutting Equipment
- Feeding Equipment
- Food Machine
- Parking Equipment
- Carton Sealer
- ATC

SMALL MOTORS & GEARBOX

- Packing Machine
- Conveyor Machine
- Automated Machine and Equipment
- Feeding Equipment
- Food Machine
- Coding Machine
- Medical Equipment
- Sealing Machine
- Oil Lubrication System

DEVELOPMENT SYSTEM

Luyang research and development center has more than 30 years of experience. Our engineers react quickly to address client demands and have strong ability and technical design to cater to motors and reducers with high technical design.

We approach to improving the quality of our products and forward technical developing through integrate new materials, reliability testing, processing methods and technologies. Being a best technology supporter is our core value.

* OEM, ODM are available service.

Micro-Hite 3D Measurement Station

We are committed to providing our customers with excellent products based on precise equipment, such as micro-hite 3D measurement station in in-come quality control.

MOTOR PRODUCING & TESTING

Using precise equipments, processing methods and streamlined manufacturing systems, our products demonstrate steady quality and well function.

All products are made in Taiwan to ensure products with highest quality delivered to our valuable partners and customers.

QUALITY CONTROL

Rotor Balancing Check

Check and adjust rotor and shaft balance.

Decibel Test

Bulid a Noise Testing Room in order to get decibel performance of motors and reducers.

Coil and Motors Testing

Have 2-steps in coil test and motor running test.

Housing Precision

Under restrict inspection it can avoid oil-leak and operate smoothly.

STANDARD REGULATION OF MOTOR

ITEM	THREE PHASE ALTERNATING CURRENT MOTOR	SINGLE PHASE ALTERNATING CURRENT MOTOR
Ingress Protection	IP-23	
Motor Case	Aluminum	
Initialization Mode	Start Directly	Capacitor-start Capacitor-start + Centrifugal switch
Rated Time	Continuous Rating	
Insulation	E class	
Environment	Ambient temperature 0°C~ 40°C (no freeze) Humidity below 85% (freeze prevent)	
Pole	2P, 4P	
Altitude	Below the altitude of 1000m	
Install Environmental Limitation	Should be installed in indoor area Do not be closed to easy-explosive and flammable place Avoid illumination, water, oil or other liquids Avoid continuous vibration or hit Less salty environment Avoid electromagnetic interference Not being in the radiate, magnetic or vacuum area	

OPERATION TIPS

1. Installation, movement, and motor-check are prohibited while motor is electrified.
2. Do not touch motor directly while motor is operating, or staff may get electric shock.
3. Cut the power off immediately while abnormal situation happened, or it is possible to get electric shock or hurt, even the fire my happen.
4. Cut the power off while power failure, otherwise after power is back on, human or device could be hurt if the motor start abruptly.
5. After cutting the power off, do not touch capacitor terminal within 30 seconds, or it is possible to get electric shock due to remaining current.
6. Do not overload. Electric shock, injury or device damage could be happened.
7. Do not touch rotating parts (output shaft, heat sink fan.etc..) while the motor is operating.

K SERIES


5GN30K
Gear Reducer
LUYANG
Innovation In Motion
011181213
Made in Taiwan
5GU20KB
Gear Reducer
LUYANG
Innovation In Motion
001151030
Made in Taiwan
5IK60GU-SF
Induction Motor
LUYANG
Innovation In Motion
60 W
220 V
50Hz 0.45A
60Hz 0.40A
5IK40GN-C
Induction Motor
LUYANG
Innovation In Motion
40W
220 V 1φ 2.5μF
50Hz 0.33A 1350RPM
60Hz 0.30A 1650RPM
Made in Taiwan
5IK60A-S3F
Induction Motor
LUYANG
Innovation In Motion
Made in Taiwan

Article-K Series

INDICATION OF MOTOR

4	IK	25	GN	-	A	M

DIMENSION
2: 60mm
3: 70mm
4: 80mm
5: 90mm

TYPE
IK: Induction
TK: Torque
RK: Reversible
* Instantaneous switching of rotation direction

OUTPUT
6: 6W
15: 15W
25: 25W
40: 40W
60: 60W
90: 90W
120: 120W
150: 150W

MOTOR SHAFT
A: Round shaft
A(K): Round shaft with keyway
AK: Worm gear shaft
GN: Helical gear shaft under 40W
GU: Helical gear shaft 60W above
GA: Alloy worm (40-90W)
GS: Clutch brake (Thick) (40-150W)

Note:
Add "R" means SS-series speed control motor.

VOLTAGE
4P: Normal Speed
A0: 1Ø100V4P
A: 1Ø110V4P
C0: 1Ø200V4P
C: 1Ø220V4P
CE: 1Ø220~240V4P (50Hz)
S: 3Ø220V4P
U: 3Ø380V4P
S3: 3Ø220/380V4P

2P: High Speed
B: 1Ø110V2P
D: 1Ø220V2P

ACCESSORY
F: Fan (Standard for 60W above)
M: Power off brake
T: Terminal box (55*55)
FF: Forced fan

INDICATION OF GEARBOX

4	GN	100	K

DIMENSION
2: 60mm
3: 70mm
4: 80mm
5: 90mm

TYPE
GN: Helical gear under 40W
GU: Enhanced helical gear 60W above
GA: Worm gear (40-90W)

RATIO
100: 1/100
10XK: Decimal type

BEARING TYPE
GN - K: Standard + Ball bearing
GU - K: Ear Flange + Ball bearing
GU - KB: Standard + Ball bearing

INDICATION OF ASSEMBLED SPEED CONTROL MOTOR

M	5	40	-	4	0	1	FF	-	A(K)

MODEL
M: Speed Control Motor (without controller)

DIMENSION
2: 60mm
3: 70mm
4: 80mm
5: 90mm

OUTPUT
6: 6W
15: 15W
25: 25W
40: 40W
60: 60W
90: 90W
120: 120W
150: 150W

SHAFT
0: Round Shaft
4: GN
5: GU
6: GS
7: GA

TYPE
0: Induction
1: Reversible
* Reversible
* Time for terminating is shorter
* 30 mins rated

VOLTAGE
1: 1Ø110V
2: 1Ø220V
2E: 1Ø220~240V/50Hz

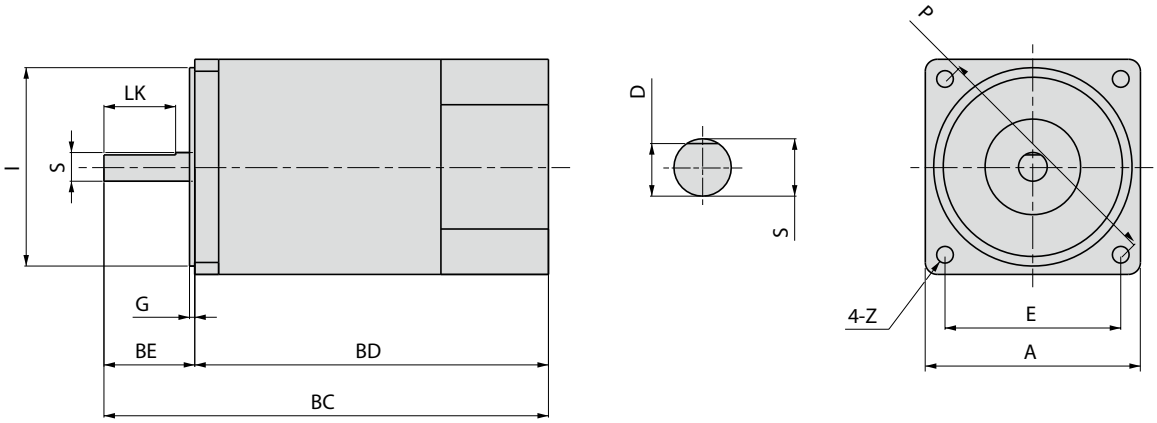
ACCESSORY
F: Fan (Standard for 60 W above)
M: Power off brake
FF: Forced Fan

OTHERS
A(K): Keyway (40W above)
AK: Worm gear (25W above)

* Reversible motor: 30 mins rated time limited.
* Please contact us while the motor is running under the low temperature enviroment.

AC MOTOR (IK)

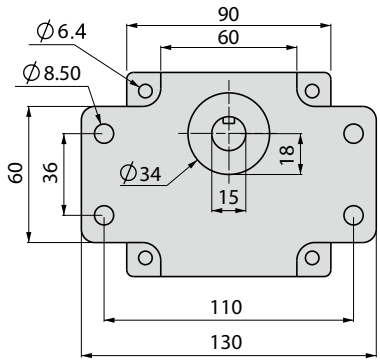
IK motor is suitable for application of operating continuously.
IK motor is optimal for uni-directional operation.

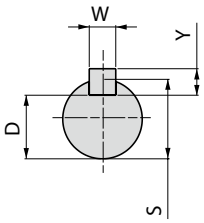


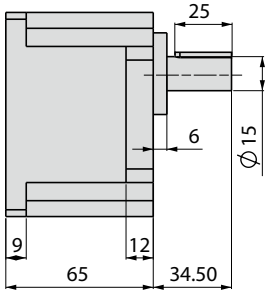
DIMENSION (mm)

MODEL	OUTPUT (W)	A	BC	BD	BE	I	G	P	Z	E	SHAFT			WEIGHT (KG)
											LK	S	D	
2	6W	60	100	76	24	54	2.2	70	5	49.5	18	6	5.2	0.8
3	15W	70	112	80	32	64	2.2	82	6	58	25	6	5.2	1.1
4	25W	80	118	86	32	73	2.2	94	7	66.5	25	8	7	1.5
	40W	90	142	106	36	83	2.2	104	7	73.6	30	10	9	2.4
	60W	90	161	125	36	83	2.2	104	7	73.6	30	12	11	2.5
5	90W	90	184	148	36	83	2.2	104	7	73.6	30	12	11	3.3
	120W	90	184	148	36	83	2.2	104	7	73.6	30	12	11	3.3
	150W	90	184	148	36	83	2.2	104	7	73.6	30	12	11	3.3

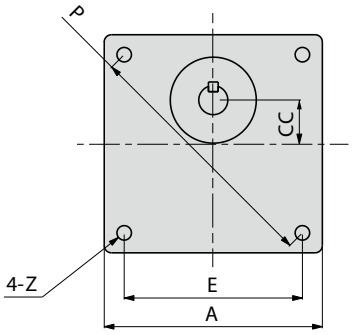
GEARBOX

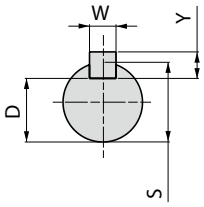


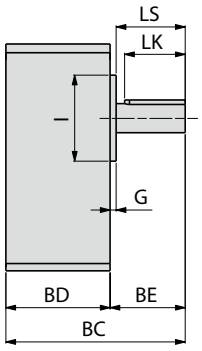




Ear Flange (GU type only)







Square Box (GN, GU type)

DIMENSION (mm)

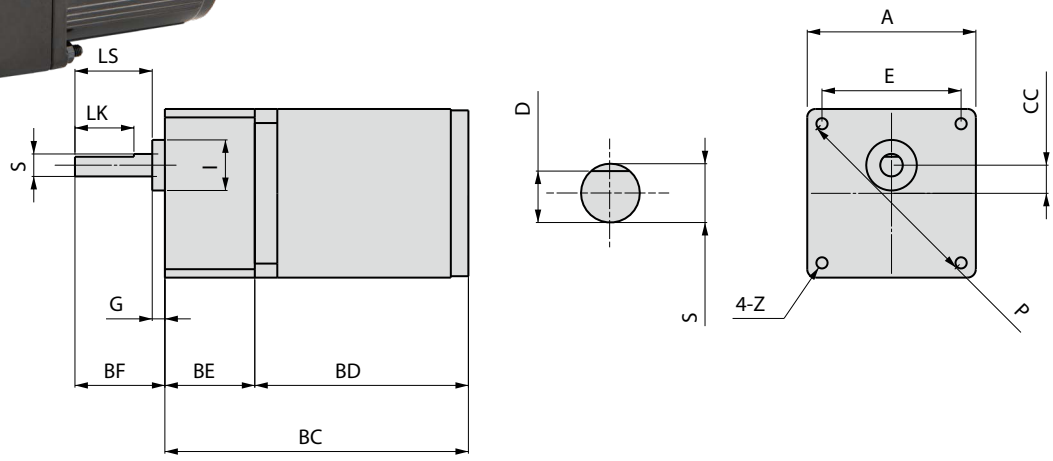
MODEL	OUTPUT (W)	RATIO	A	BC	BD	BE	CC	I	G	P	Z	E	OUTPUT SHAFT				WEIGHT (KG)
													LS	S	D	W x Y x LK	
2	6W (GN)	3~18	60	64	32	32	10	18	4.5	70	4.4	49.5	27.5	8	7	--	0.34
		20~180		74	42												0.39
3	15W (GN)	3~18	70	64	32	32	15	30	3	82	5.5	58	30	10	7.5	4x4x25	0.52
		20~180		74	42												0.58
4	25W (GN)	3~18	80	68	36	32	15	34	2.5	94	5.5	66.5	29.5	10	7.5	4x4x25	0.66
		20~180		82	50												0.81
5	40W (GN)	3~18	90	74	43	32	18	34	2.5	104	6.4	73.6	28.5	12	9.5	4x4x25	1.2
		20~180		90	59												1.4
	60W (GN)	3~18	90	74	43	32	18	34	2.5	104	6.4	73.6	28.5	12	9.5	4x4x25	1.2
		20~180		90	59												1.4
	60W (GU)	3~18	90	101	65	36	18	34	6	104	6.4	73.6	30	15	12	5x5x25	1.2
		20~180															1.4
	90W (GU)	3~18	90	101	65	36	18	34	6	104	6.4	73.6	30	15	12	5x5x25	1.2
		20~180															1.4
	120W (GU)	3~18	90	101	65	36	18	34	6	104	6.4	73.6	30	15	12	5x5x25	1.2
		20~180															1.4
	150W (GU)	3~18	90	101	65	36	18	34	6	104	6.4	73.6	30	15	12	5x5x25	1.2
		20~180															1.4

MOTOR WITH GEARBOX

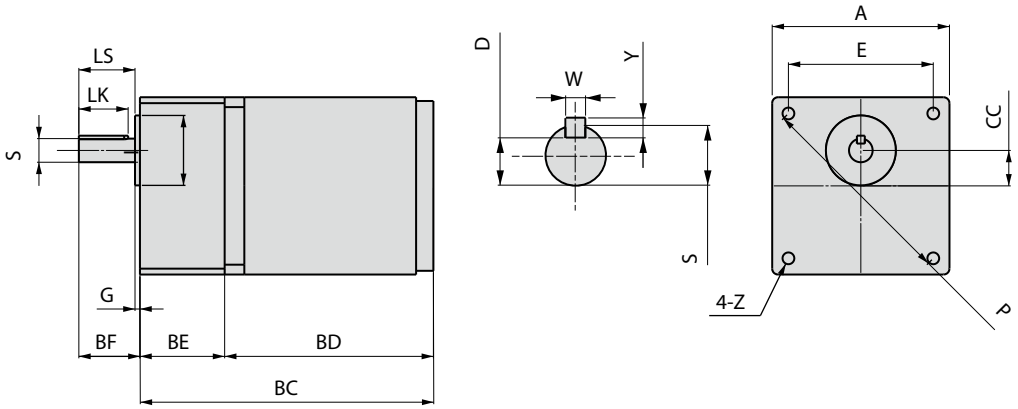
DIMENSION (mm)

MODEL	OUTPUT (W)	RATIO	A	BC	BE	BD	BF	CC	I	G	P	Z	E	OUTPUT SHAFT			
														LS	S	D	W x Y x LK
2	6W (GN)	3~18	60	108	32	76	32	10	18	4.5	70	4.4	49.5	27.5	8	7	--
		20~180		118	42												
3	15W (GN)	3~18	70	112	32	80	32	15	30	3	82	5.5	58	29	10	7.5	4x4x25
		20~180		122	42												
4	25W (GN)	3~18	80	122	36	86	32	15	34	2.5	94	5.5	66.5	29.5	10	7.5	4x4x25
		20~180		136	50												
5	40W (GN)	3~18	90	149	43	106	32	18	34	2.5	104	6.4	73.6	29.5	12	9.5	4x4x25
		20~180		165	59												
	60W (GN)	3~18	90	168	43	125	32	18	34	2.5	104	6.4	73.6	29.5	12	9.5	4x4x25
		20~180		184	59												

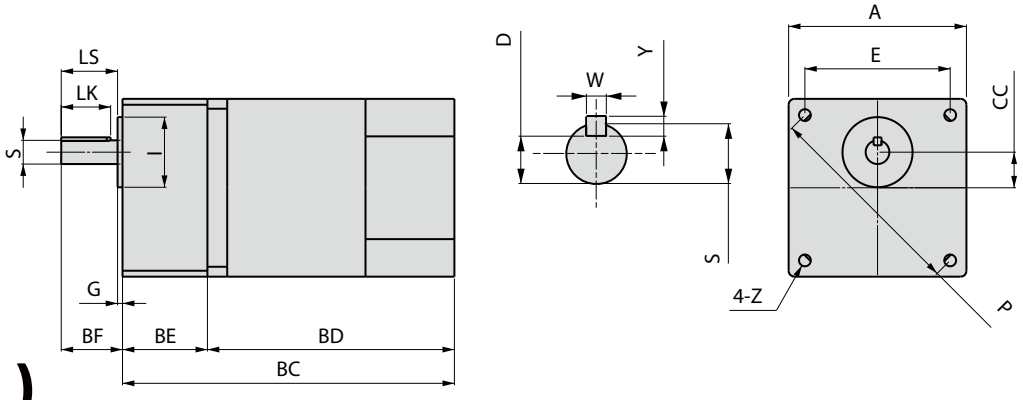
* Reversible motor: 30 mins rated time limited.



6W

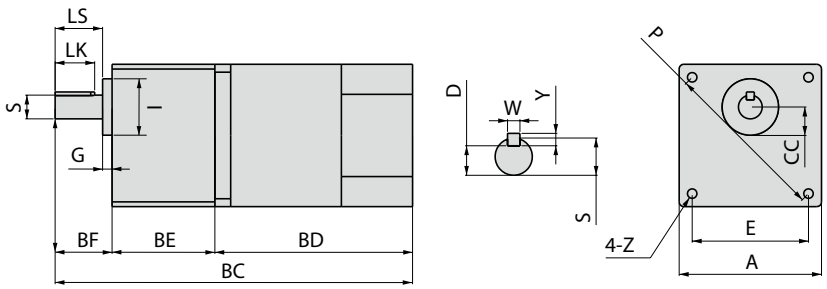


15W-40W



60W (GN)

60W(GU)-150W



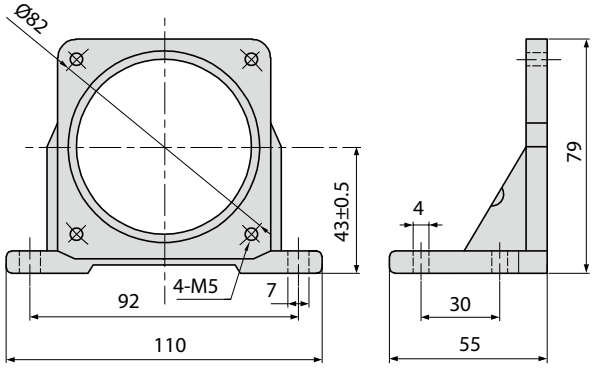
DIMENSION (mm)

MODEL	OUTPUT (W)	A	BC	BE	BD	BF	CC	I	G	P	Z	E	OUTPUT SHAFT			
													LS	S	D	W x Y x LK
5	60W (GU)	90	190	65	125	36	18	34	6	104	6.4	73.6	30	15	12	5x5x25
	90W (GU)	90	213	65	148	36	18	34	6	104	6.4	73.6	30	15	12	5x5x25
	120W (GU)	90	213	65	148	36	18	34	6	104	6.4	73.6	30	15	12	5x5x25
	150W (GU)	90	213	65	148	36	18	34	6	104	6.4	73.6	30	15	12	5x5x25

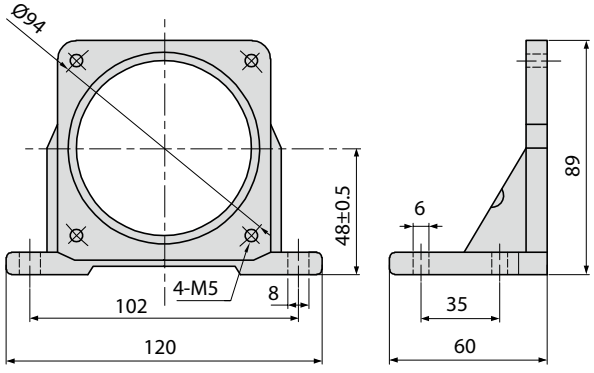
* Reversible motor: 30 mins rated time limited.

L BRACKET STAND

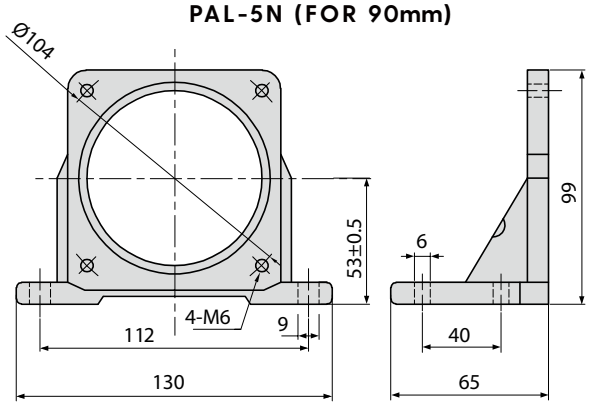
PAL-3N (FOR 70mm)



PAL-4N (FOR 80mm)



PAL-5N (FOR 90mm)

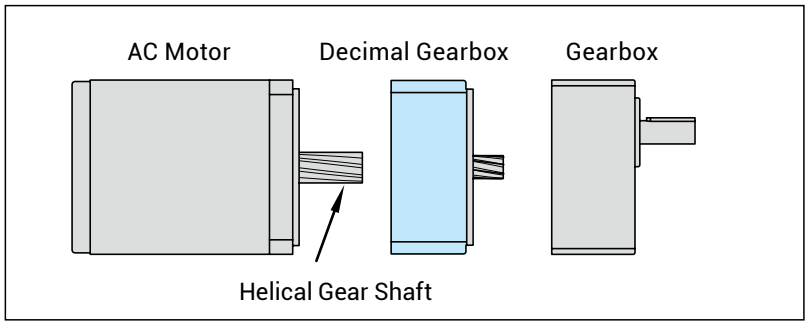


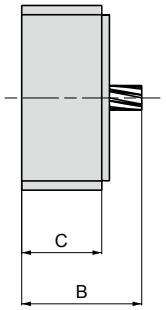
MOTOR WITH GEARBOX

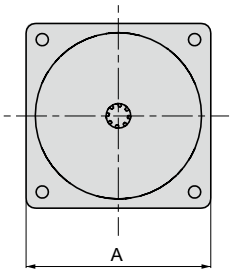
DECIMAL GEARBOX

1:10

If gearbox cannot provide enough ratio, decimal gear box could be considered to add one or more gearboxes to get preferable ratio.







SPECIFICATION

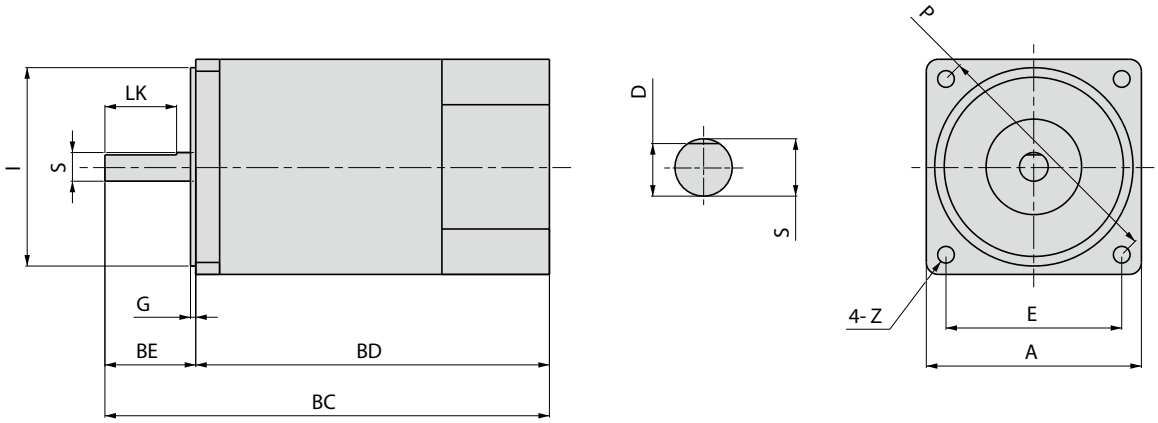
ITEM	STANDARD SPECIFICATION
Ratio	1 : 10
Frame Model	2, 3, 4, 5

DIMENSION (mm)

MODEL	OUTPUT (W)	A	B	C
2	6W	60	39	26
3	15W	70	39	26
4	25W	80	39	26
5	GN 40W~60W	90	59	40
	GU 60W~150W	90	59	40

AC MOTOR (RK)

RK motor is suitable for application of reversing its direction repeatedly (30 mins rated time limited)



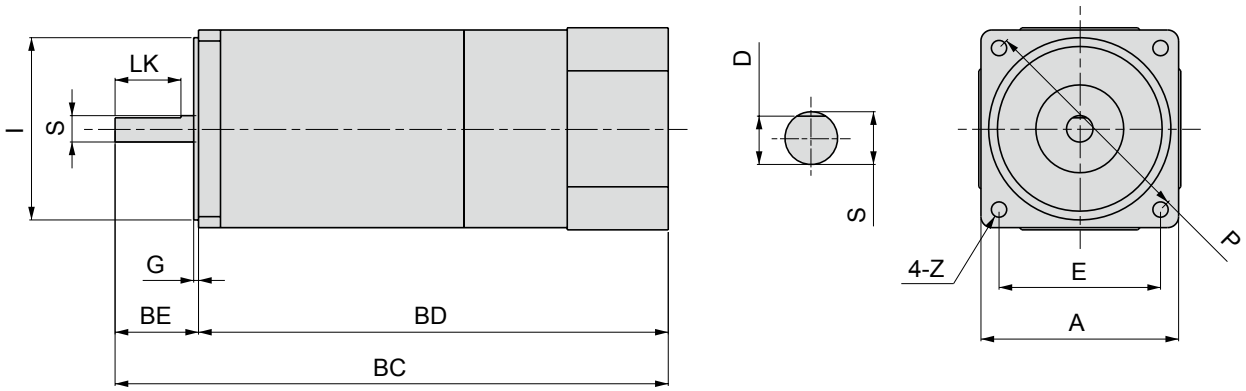
DIMENSION (mm)

MODEL	OUTPUT (W)	A	BC	BD	BE	I	G	P	Z	E	SHAFT			WEIGHT (KG)
											LK	S	D	
2	6W	60	100	76	24	54	2.2	70	5	49.5	18	6	5.2	0.8
3	15W	70	112	80	32	64	2.2	82	6	58	25	6	5.2	1.1
4	25W	80	118	86	32	73	2.2	94	7	66.5	25	8	7	1.5
	40W	90	142	106	36	83	2.2	104	7	73.6	30	10	9	2.4
	60W	90	161	125	36	83	2.2	104	7	73.6	30	12	11	2.5
5	90W	90	184	148	36	83	2.2	104	7	73.6	30	12	11	3.3
	120W	90	184	148	36	83	2.2	104	7	73.6	30	12	11	3.3
	150W	90	184	148	36	83	2.2	104	7	73.6	30	12	11	3.3

* Reversible motor: 30 mins rated time limited

BRAKE MOTOR

A brake device is employed in the brake motor. Suitable for operation where load should be maintained as the brake performs.



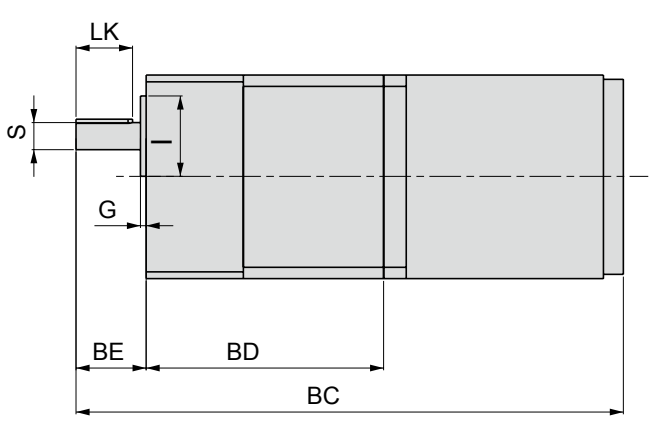
DIMENSION (mm)

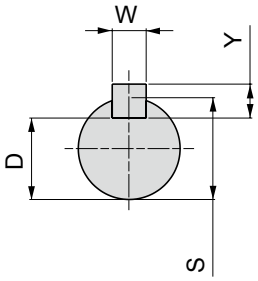
MODEL	OUTPUT (W)	A	BC	BD	BE	I	G	P	Z	E	SHAFT			WEIGHT (KG)
											LK	S	D	
2	6W	60	152.5	128.5	24	54	2.2	70	5	49.5	18	6	5.2	1
3	15W	70	164.2	132.2	32	64	2.2	82	6	58	25	6	5.2	1.5
4	25W	80	169.2	137.2	32	73	2.2	94	7	66.5	25	8	7	2
5	40W	90	198.5	162.5	36	83	2.2	104	7	73.6	30	10	9	3
	60W	90	224.5	188.5	36	83	2.2	104	7	73.6	30	12	11	3.3
	90W	90	249.9	213.9	36	83	2.2	104	7	73.6	30	12	11	4
	120W	90	249.9	213.9	36	83	2.2	104	7	73.6	30	12	11	4
	150W	90	249.9	213.9	36	83	2.2	104	7	73.6	30	12	11	4

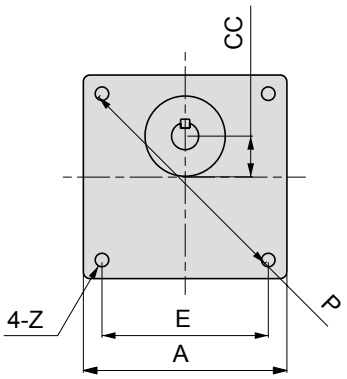
* Reversible motor: 30 mins rated time limited.

CLUTCH BRAKE MOTOR

Precisely position. Ideal for high-frequency starting and stopping.







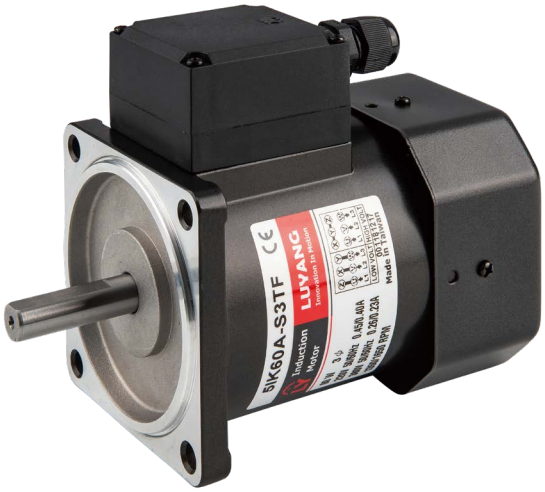
DIMENSION (mm)

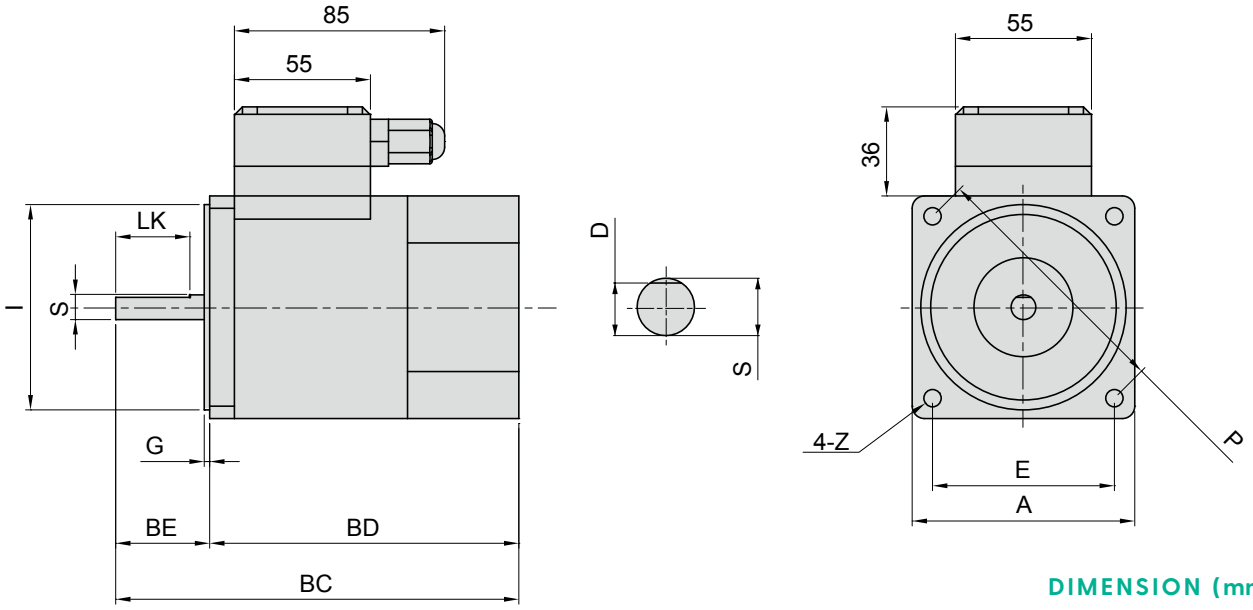
MODEL	OUTPUT (W)		A	BC	BD	BE	I	G	P	Z	E	CC	OUTPUT SHAFT			WIGHT (KG)
													S	D	W x Y x LK	
5	40W (GN)	3~18R	90	243	105	32	34	2.2	104	6.4	73.6	18	12	9.5	4x4x25	5.52
		20~180R	90	259	121	32	34	2.2	104	6.4	73.6	18	12	9.5	4x4x25	5.54
	60W (GN)	3~18R	90	262	105	32	34	2.2	104	6.4	73.6	18	12	9.5	4x4x25	5.52
		20~180R	90	278	121	32	34	2.2	104	6.4	73.6	18	12	9.5	4x4x25	5.54
	60W(GU)		90	284	127	36	34	6	104	6.4	73.6	18	15	12	5x5x25	5.54
	90W(GU)		90	312	127	36	34	6	104	6.4	73.6	18	15	12	5x5x25	6.39
	120W(GU)		90	312	127	36	34	6	104	6.4	73.6	18	15	12	5x5x25	6.39
	150W(GU)		90	312	127	36	34	6	104	6.4	73.6	18	15	12	5x5x25	6.39

* Reversible motor: 30 mins rated time limited.

MOTOR WITH TERMINAL BOX

Conforms to Europe safety standards, IP54 are available to be ordered.





DIMENSION (mm)

MODEL	OUTPUT (W)	A	BC	BD	BE	I	G	P	Z	E	SHAFT			WEIGHT (KG)
											LK	S	D	
2	6W	60	100	76	24	54	2.2	70	5	49.5	18	6	5.2	1.02
3	15W	70	112	80	32	64	2.2	82	6	58	25	6	5.2	1.38
4	25W	80	118	86	32	73	2.2	94	7	66.5	25	8	7	1.6
	40W	90	142	106	36	83	2.2	104	7	73.6	30	10	9	2.78
	60W	90	161	125	36	83	2.2	104	7	73.6	30	12	11	2.78
5	90W	90	184	148	36	83	2.2	104	7	73.6	30	12	11	3.65
	120W	90	184	148	36	83	2.2	104	7	73.6	30	12	11	3.65
	150W	90	184	148	36	83	2.2	104	7	73.6	30	12	11	3.65

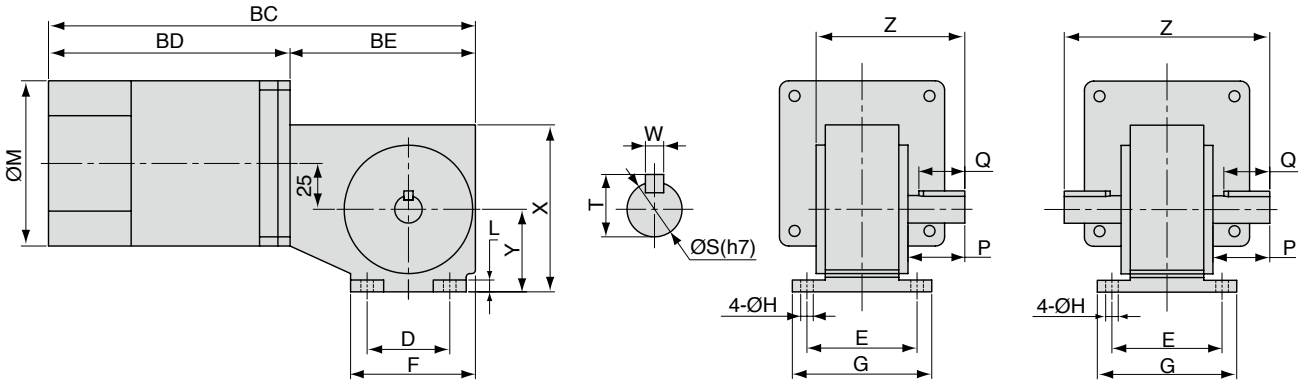
* Reversible motor: 30 mins rated time limited

ALLOY WORM MOTOR

L

D

R



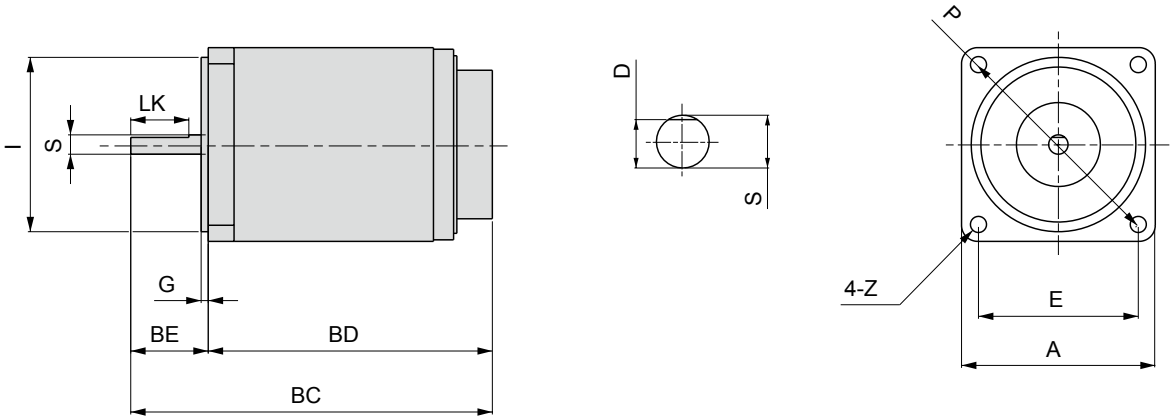
DIMENSION (mm)

OUTPUT (W)	BC	BD	BE	D	E	F	G	H	L	M	X	Y	DIRECTION Z			OUTPUT SHAFT				
													L	R	D	P	Q	W	S	T
40W	214	113	101	45	60	68	76	6.8	6.5	90	91	45	81	81	112	31	25	5	15	17
60W	233	132	101	45	60	68	76	6.8	6.5	90	91	45	81	81	112	31	25	5	15	17
90W	256	155	101	45	60	68	76	6.8	6.5	90	91	45	81	81	112	31	25	5	15	17

SPECIFICATION

Ratio	5, 10, 15, 20, 30, 40, 50, 60 etc. (90W R30 above only for light loading)
Maintenance	R25 above: 50Kgcm
Over-Hanging Load	40W, 60W: 40Kg (10cm from output shaft)
Thrust Load	40W, 60W, 90W: 15Kg
Install Environment	Ambient Temperature 0^{O}C~+40^{O}C; Ambient humidity below 85% (No Mist)
Direction of Output Shaft	R : Right side; L : Left side; D : Double shafts

* Reversible motor: 30 mins rated time limited



DIMENSION (mm)

MODEL	OUTPUT (W)	A	BC	BD	BE	I	G	P	Z	E	SHAFT			WEIGHT (KG)
											LK	S	D	
2	6W	60	112	88	24	54	2.2	70	5	49.5	18	6	5.2	0.9
3	15W	70	124	92	32	64	2.2	82	6	58	25	6	5.2	1.6
4	25W	80	130	98	32	73	2.2	94	7	66.5	25	8	7	2.5
	40W	90	154	118	36	83	2.2	104	7	73.6	30	10	9	2.6
	60W	90	173	137	36	83	2.2	104	7	73.6	30	12	11	3.4
5	90W	90	198	162	36	83	2.2	104	7	73.6	30	12	11	3.4
	120W	90	198	162	36	83	2.2	104	7	73.6	30	12	11	3.4
	150W	90	198	162	36	83	2.2	104	7	73.6	30	12	11	3.4

Motors can utilize feedback from the tachogenerator to control motor speed.

Speed control range:
90-1350 rpm/min (50Hz)
90-1600 rpm/min (60Hz)

Note 1:Speed control range is restricted to no-loading circumstance.
Note 2:Three-phase motor is requested to corporate with inverter.

SPEED CONTROL MOTOR

Reversible motor: 30 mins rated time limited.

TORQUE CONTROL MOTOR

INDICATION OF ASSEMBLED TORQUE MOTOR

T	5	40	-	5	0	1	FF

MODEL	DIMENSION	OUTPUT	SHAFT	TYPE	VOLTAGE	ACCESSORY
T: TK motor	2: 60mm 3: 70mm 4: 80mm 5: 90mm	203: 3W 306: 6W 410: 10W 520: 20W 540: 40W	0: Round Shaft 4: GN 5: GU	0: Induction	1: 1Ø110V 2: 1Ø220V	FF: Forced Fan F: Fan

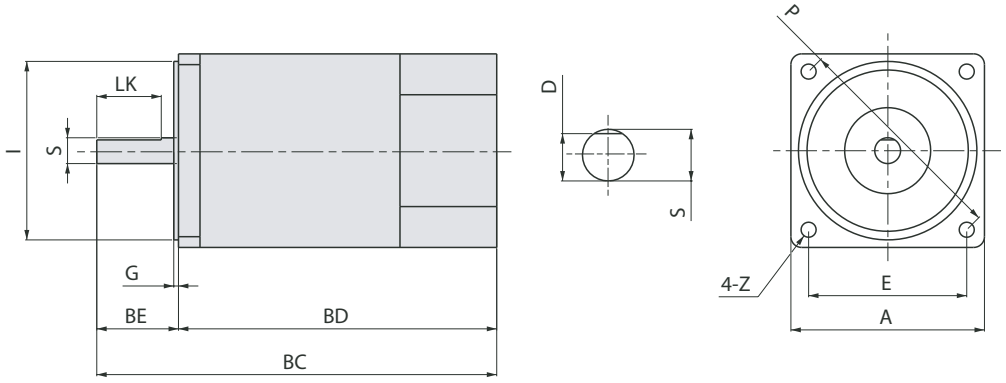
Voltage: 110/60V (Supply voltage is 110V, however adjusting to 110V by VR for 5 mins operating to 60V below for indefinite operating.)
Voltage: 220/110V (Supply voltage is 220V, however adjusting to 220V by VR for 5 mins operating to 110V below for indefinite operating.)

Features of Motors

1. Torque motor is a specialized form of induction motor which is capable of operating indefinitely while stalled.

Torque will be enhanced while stalled, however over mechanical enduring torque and hard hit stop are prohibited.

2. A common application of a torque motor would be the supply and take-up reel motor in a tape drive. Motors allow a relatively constant light tension to the applied to the tape.



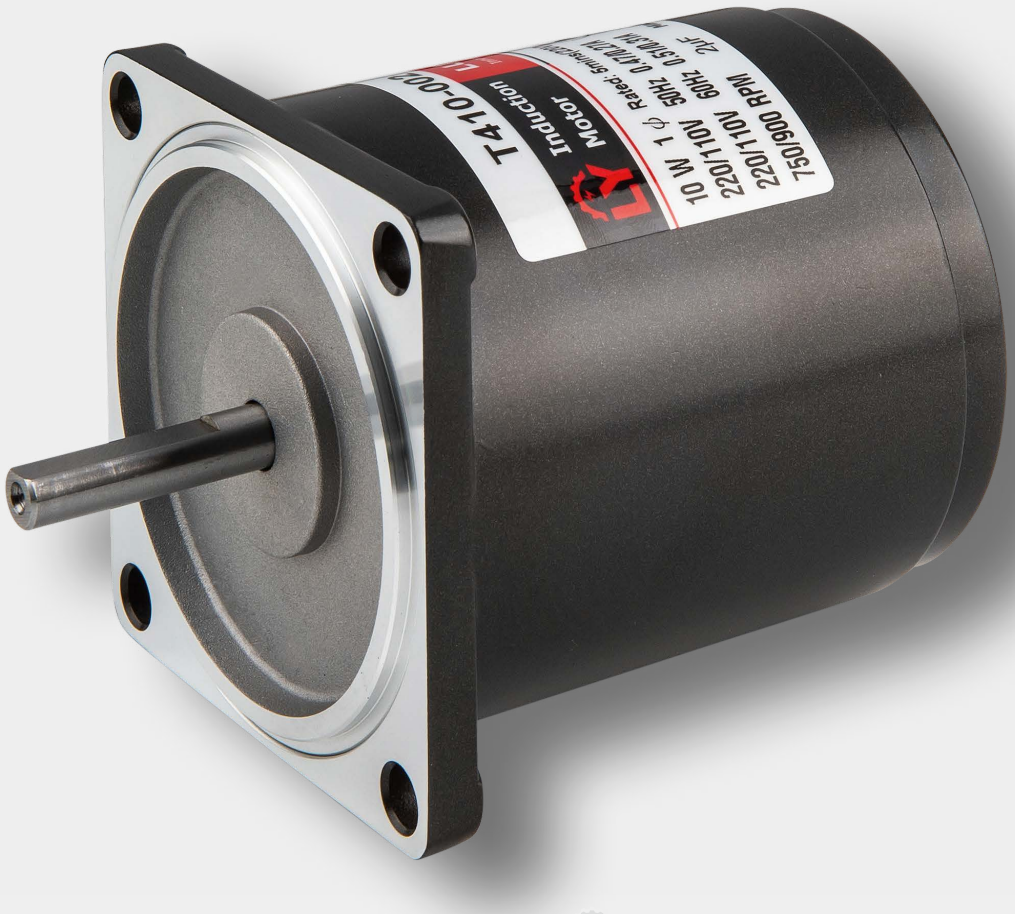
DIMENSION (mm)

MODEL	A	BC	BD	BE	I	G	P	Z	E	SHAFT			WEIGHT (KG)
										LK	S	D	
T203 - □□□	60	100	76	24	54	2.5	70	5	49.5	18	6	5.2	0.96
T306 - □□□	70	112	80	32	64	2.5	82	6	58	25	6	5.2	1.32
T410 - □□□	80	118	86	32	73	2.5	94	7	66.5	25	8	7	1.54
T520 - □□□	90	142	106	36	83	3	104	7	73.6	30	10	9	2.72
T540 - □□□	90	184	172	36	83	3	104	7	73.6	30	12	11	3.59

TORQUE CONTROL MOTOR

SPECIFICATION

MODEL	OPERATING TIME	OUTPUT (W)	VOLTAGE (V)	FREQ. (Hz)	RATED RPM (rpm)	STARTING TORQUE (Kg · cm)	RATED TORQUE (Kg · cm)	RATED CURRENT (A)	CAPACITOR CAPACITY (μF)
T203 - 001 T203 - 401	5 mins/Cont.	3 / 1 3.5 / 1.2	110 / 60 110 / 60	50 60	750 900	0.7 / 0.25 0.7 / 0.25	0.39 / 0.13 0.38 / 0.13	0.49 / 0.3 0.49 / 0.3	7 7
T306 - 001 T306 - 401	5 mins/Cont.	6 / 2.5 7.5 / 2.7	110 / 60 110 / 60	50 60	750 900	1.4 / 0.55 1.4 / 0.45	0.78 / 0.32 0.82 / 0.29	0.72 / 0.48 0.72 / 0.48	10 8
T410 - 001 T410 - 401	5 mins/Cont.	10 / 3.5 12 / 3.5	110 / 60 110 / 60	50 60	750 900	2.2 / 0.75 2.1 / 0.7	1.3 / 0.46 1.3 / 0.38	0.91 / 0.55 0.91 / 0.55	12 8
T520 - 001 T520 - 401	5 mins/Cont.	20 / 6 20 / 6	110 / 60 110 / 60	50 60	750 900	3.5 / 1.1 3.0 / 1.0	2.6 / 0.78 2.2 / 0.65	1.22 / 0.76 1.22 / 0.76	15 12
T540 - 001FF T540 - 501FF	5 mins/Cont.	40 / 14 40 / 14	110 / 60 100 / 60	50 60	750 900	7.6 / 3.2 6.3 / 2.3	5.2 / 1.85 4.4 / 1.55	1.7 / 1 1.7 / 1	40 25
T203 - 002 T201 - 402	5 mins/Cont.	3 / 1 3.5 / 1.2	220 / 110 220 / 110	50 60	750 900	0.7 / 0.25 0.7 / 0.25	0.39 / 0.13 0.38 / 0.13	0.23 / 0.15 0.25 / 0.16	1.5 1.5
T306 - 002 T306 - 402	5 mins/Cont.	6 / 2.5 7.5 / 2.7	220 / 110 220 / 110	50 60	750 900	1.4 / 0.55 1.4 / 0.45	0.78 / 0.32 0.82 / 0.29	0.4 / 0.22 0.4 / 0.25	2 2
T410 - 002 T410 - 402	5 mins/Cont.	10 / 3.5 12 / 3.5	220 / 110 220 / 110	50 60	750 900	2.2 / 0.75 2.1 / 0.7	1.3 / 0.46 1.3 / 0.38	0.47 / 0.27 0.51 / 0.31	2 2
T520 - 002 T520 - 402	5 mins/Cont.	20 / 6 20 / 6	220 / 110 220 / 110	50 60	750 900	3.5 / 1.1 3.0 / 1.0	2.6 / 0.78 2.2 / 0.65	0.74 / 0.4 0.72 / 0.39	3 3
T540 - 002FF T540 - 502FF	5 mins/Cont.	40 / 14 40 / 14	220 / 110 220 / 110	50 60	750 900	7.6 / 3.2 6.3 / 2.3	5.2 / 1.85 4.4 / 1.55	1.1 / 0.6 1.08 / 0.55	8 8



US/UX MOTOR SPEED CONTROLLER

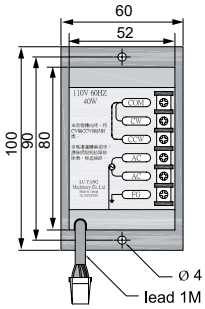
US/UX MOTOR SPEED CONTROLLER

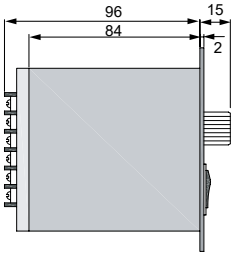
INDICATION OF COMBINATED SPEED CONTROLLER

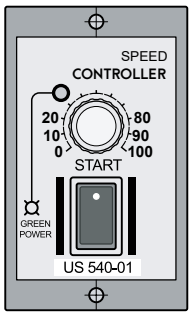
US	315	–	0	2

MODEL	AVAILABLE OUTPUT	TYPE	VOLTAGE
US Speed Controller	206: 6W	0: Induction	1: 1Ø110V (60Hz)
UX Digital Speed Controller	315: 15W	1: Reversible	2: 1Ø220V (60Hz)
	425: 25W		2E: 1Ø220~240V (50Hz)
	540: 40W		10: 1Ø100V (60Hz)
	560: 60W		20: 1Ø200V (60Hz)
	590: 90W		10E: 1Ø100V (50Hz)
	5120: 120W		20E: 1Ø200V (50Hz)
	5150: 150W		

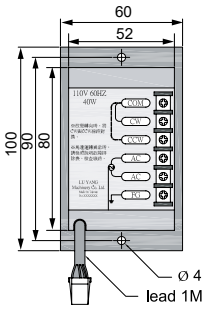
US SPEED CONTROLLER

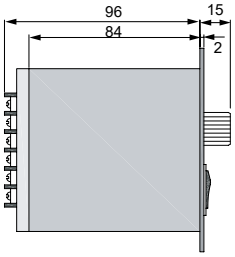


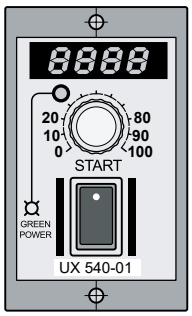




UX DIGITAL SPEED CONTROLLER







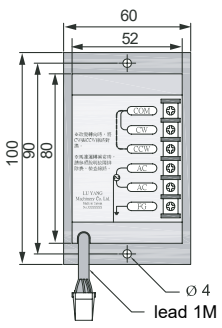
TYPE	VOLTAGE (V)	FREQUENCY (Hz)	RATED CURRENT (A)	OUTPUT (W)	SPEED RANGE (rpm)	SPEED RATE OF CHANGE (%)	VELOCITY REACTION	ELECTRONIC BRAKE	VELOCITY SAFETY	AMBIENT CONDITION
US01	100~110V	60	5	6-150	90~1600	5%	0.5 (Sec)	--	◎	-10°C~+50°C
US02	200~220V									
US02E	200~240V	50	5	6-150	90~1350	5%	0.5 (Sec)	--	◎	-10°C~+50°C

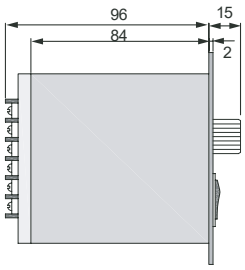
USTK MOTOR TORQUE CONTROLLER

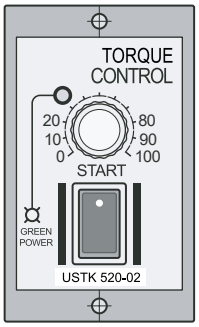
INDICATION OF USTK MOTOR TORQUE CONTROLLER

USTK	203	-	0	2
MODEL	**OUTPUT**		**TYPE**	**VOLTAGE**
USTK Motor Torque Controller	203: 3W 306: 6W 410: 10W 520: 20W 540: 40W		0: Induction	1: 1Ø110V 2: 1Ø220V

USTK TORQUE CONTROLLER







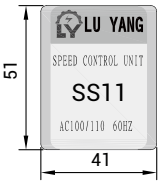
USTK
MOTOR TORQUE CONTROLLER

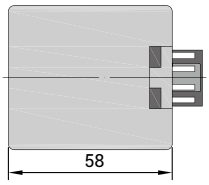
SEPARATED SPEED CONTROLLER

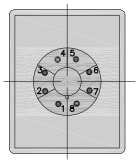
INDICATION OF SEPARATED SPEED CONTROLLER

S	S	11
MODEL	**FEATURE**	**VOLTAGE**
S: Separated	S: Speed Control	11: 1Ø100~110V (60Hz) 11E: 1Ø100V (50Hz) 22: 1Ø200~220V (60Hz) 22E: 1Ø200~240V (50Hz)

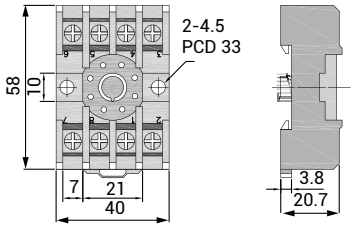
SS11 SEPARATED SPEED CONTROLLER



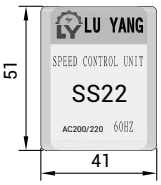


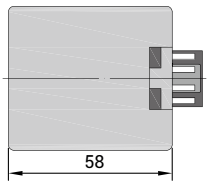


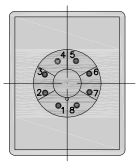
■ Controller Foot Place



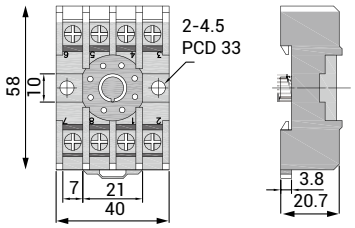
SS22 SEPARATED SPEED CONTROLLER







■ Controller Foot Place



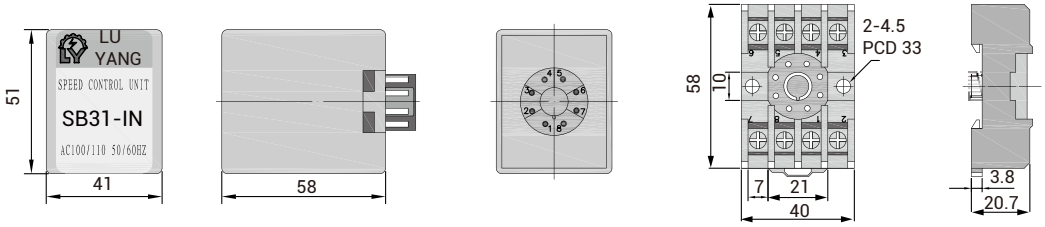
TYPE	VOLTAGE (V)	FREQUENCY (Hz)	RATED CURRENT (A)	OUTPUT (W)	SPEED RANGE (rpm)	SPEED RATE OF CHANGE (%)	VELOCITY REACTION	ELECTRONIC BRAKE	VELOCITY SAFETY	AMBIENT CONDITION
SS11	100~110V	60	5	6-150	90~1600	5%	0.5 (Sec)	--	◎	-10°C~+50°C
SS22	200~220V									
SS11E	100V	50	5	6-150	90~1350	5%	0.5 (Sec)	--	◎	-10°C~+50°C
SS22E	200~240V									

INSTANTANEOUS BRAKE PACK

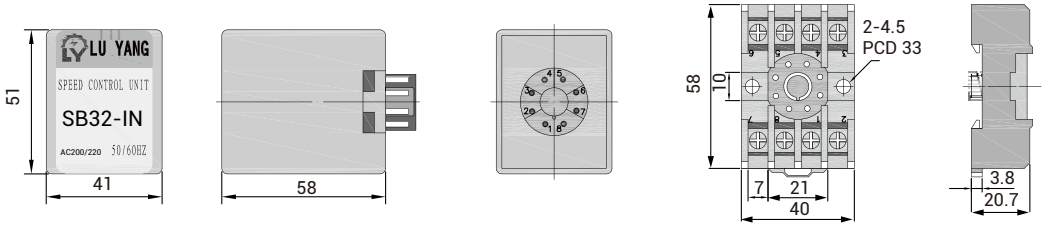
INDICATION OF INSTANTANEOUS BRAKE PACK

SB	32	–	IN
MODEL	**VOLTAGE**		**FEATURE**
SB : Electronic instantaneous brake pack	31: 1Ø100~110V (50/60Hz) 32: 1Ø200~240V (50/60Hz)		IN: Inch

SB31-IN INSTANTANEOUS BRAKE PACK



SB32-IN INSTANTANEOUS BRAKE PACK

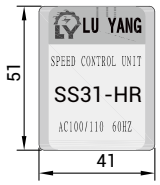


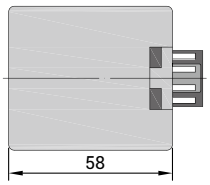
SPEED CONTROL & BRAKE PACK

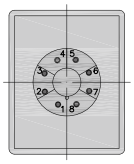
INDICATION OF SPEED CONTROL & BRAKE PACK

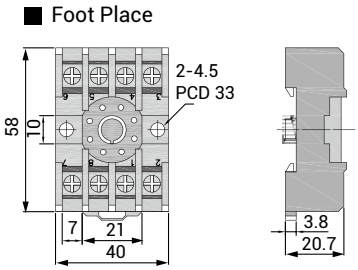
S	S	31	–	HR
MODEL	**FEATURE**	**VOLTAGE**		**OTHER**
S: Separated	S: Speed Control	31: 1Ø100~110V (60Hz) 31E: 1Ø100V (50Hz) 32: 1Ø200~220V (60Hz) 32E: 1Ø200~240V (50Hz)		HR: Speed Variable Brake

SS31-HR INSTANTANEOUS BRAKE + SPEED CONTROL

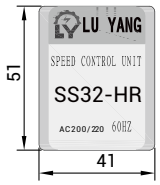


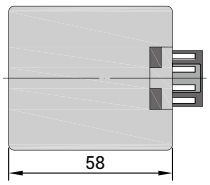


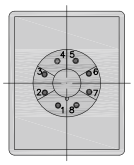


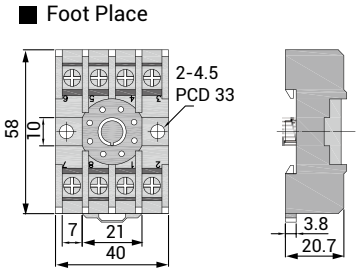


SS32-HR INSTANTANEOUS BRAKE + SPEED CONTROL









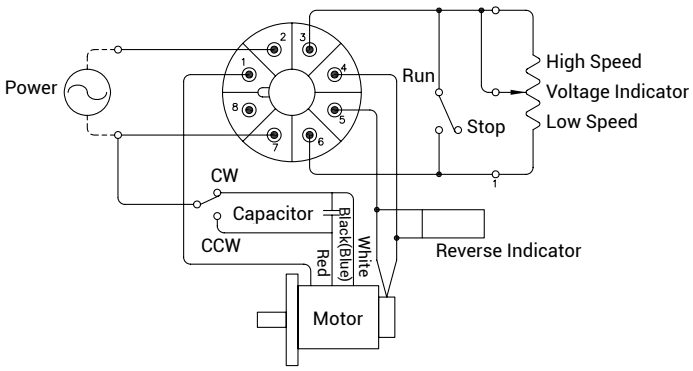
MODEL	VOLTAGE (V)	FREQUENCY (Hz)	RATED CURRENT (A)	OUTPUT (W)	SPEED RANGE (rpm)	SPEED RATE OF CHANGE (%)	VELOCITY REACTION	ELECTRONIC BRAKE	VELOCITY SAFETY	AMBIENT CONDITION
SS31-HR	100~110V	60	3	6-150	90~1600	5%	0.5 (Sec)	◯	◎	-10°C~+50°C
SS32-HR	200~220V									
SS31E-HR	100V	50	3	6-150	90~1350	5%	0.5 (Sec)	◯	◎	-10°C~+50°C
SS32E-HR	200~220V									

CONNECTION DIAGRAM OF CONTROLLER

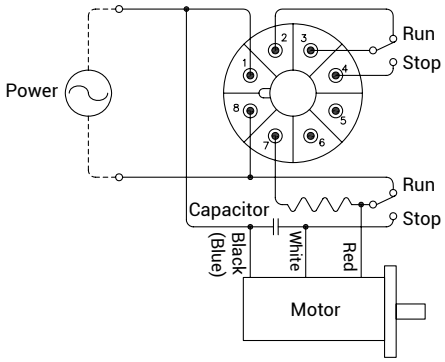
Note:

1. Confirm controller and motor output specification before connection.
2. While using motor overheated protection, it should be connected in series with motor control cables.
3. Speed Control motor with fan should be connected to entry power.
4. As speed Control motor with excitationless brake, excitationless power supply should be connected in parallel with motor power supply.
5. As motor stops 0.5 seconds, it isn't allowed to run CW or CCW at this moment.
6. The switch contact must be AC 125V 5A or AC 250V 5A above.
7. The motor is allowed to use under 90°C.

SS11 SS22

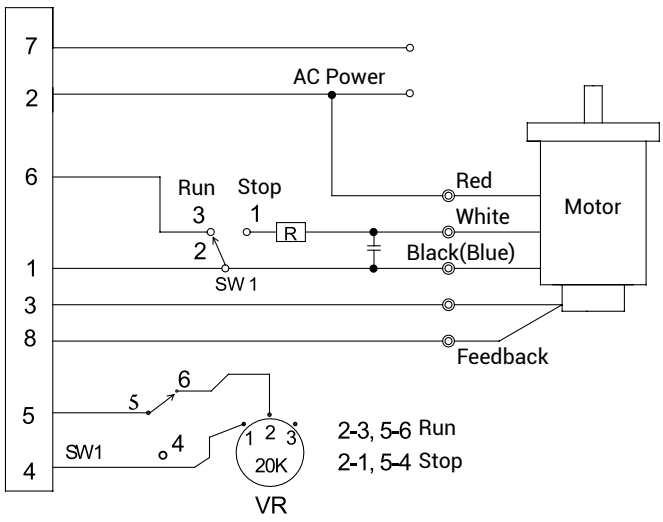


SB31-IN SB32-IN

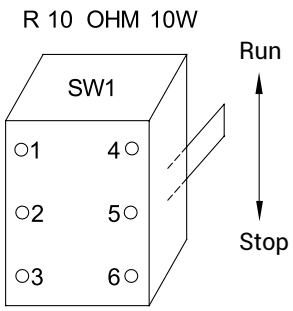


SS31-HR SS32-HR(8PIN)

***** PIN 3, 8, 5, 4 SIGNAL INPUT**



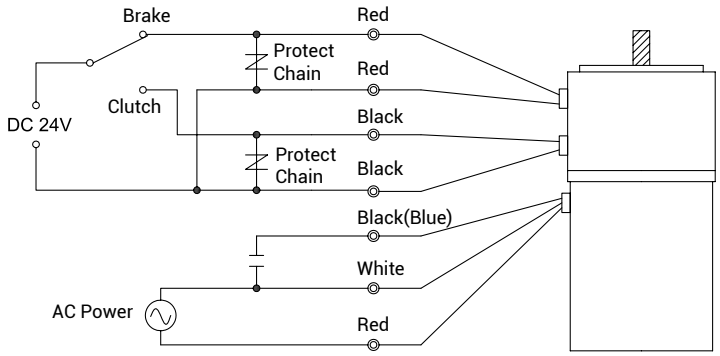
CHECK CAREFULLY BEFORE APPLYING AC



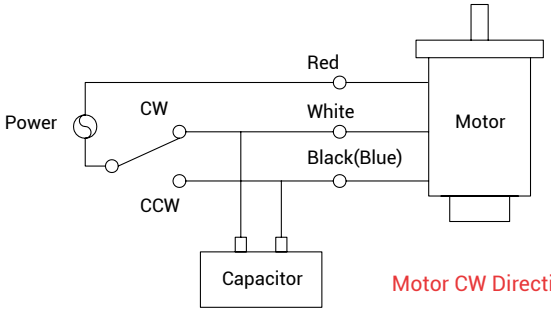
SW1: DPDT or
MY2 RELAY LY2

WIRE DRAWING - K SERIES

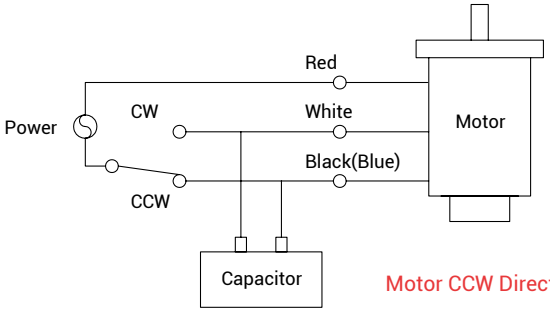
WIRE DRAWING OF CLUTCH BRAKE MOTOR



WIRE DRAWING OF SINGLE-PHASE MOTOR

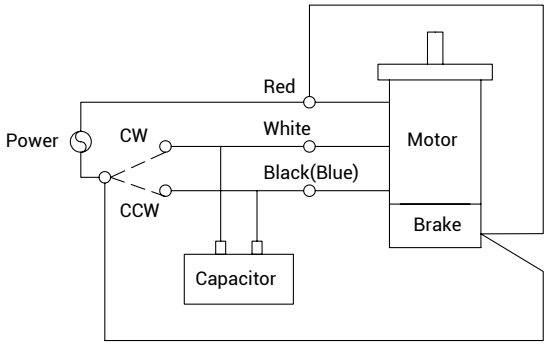


Motor CW Direction



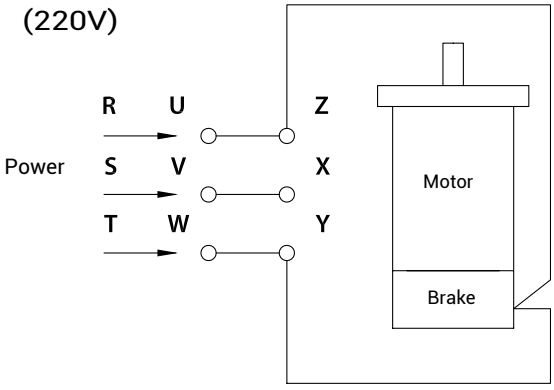
Motor CCW Direction

WIRE DRAWING OF SINGLE-PHASE BRAKE MOTOR

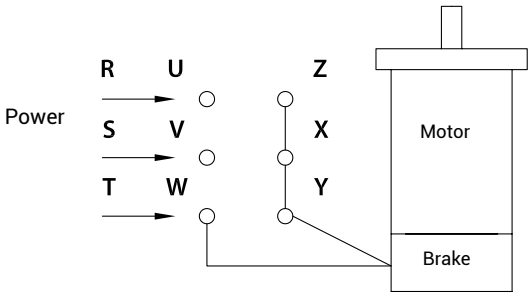


WIRE DRAWING OF 3-PHASE BRAKE MOTOR (6 WIRES)

(220V)



(380V)



PERMISSIBLE TORQUE OF GEAR MOTOR

50Hz MAXIMUM TORQUE (Kg · cm)

OUTPUT (W)	RATIO (R)	3	5	6	7.5	9	12.5	15	18	20	25	30	36	50	60	75	90	100	120	150	180
	rpm	500	300	250	200	166	120	100	8.3	75	60	50	42	30	25	20	17	15	12.5	10	8.3
6W	Torque (T)	1.2	1.9	2.3	2.9	3.4	4.7	5.7	6.8	7.6	9.3	11	13	16	20	24	30	30	30	30	30
15W		3.0	4.7	5.7	7.1	8.5	11.8	14.2	18	20	23	28	33	46	50	50	50	50	50	50	50
25W		5.0	7.8	9.4	11.8	14.1	19.6	23	28	31	38	46	55	76	80	80	80	80	80	80	80
40W		7.3	12	14.7	18	22	30	36	43	48	54	65	77	100	100	100	100	100	100	100	100
60W		12	19	22	28	34	48	55	62	69	82	98	118	164	196	200	200	200	200	200	200
90W		17	28	34	43	51	67	80	96	107	125	150	178	200	200	200	200	200	200	200	200
120W		24	40	48	60	71	89	107	129	143	162	194	200	200	200	200	200	200	200	200	200
150W		34	57	67	83	98	118	143	173	192	200	200	200	200	200	200	200	200	200	200	200

* Reversible motor: 30 minsrated time limited.

60Hz MAXIMUM TORQUE (Kg · cm)

OUTPUT (W)	RATIO (R)	3	5	6	7.5	9	12.5	15	18	20	25	30	36	50	60	75	90	100	120	150	180
	rpm	600	360	300	240	200	144	120	100	90	72	60	50	36	30	24	20	18	15	12	10
6W	Torque (T)	1.0	1.5	1.8	2.3	2.8	3.9	4.7	5.6	6.2	7.0	8.3	10	13.8	16	20	24	30	30	30	30
15W		2.6	3.9	4.7	5.8	7.0	9.8	11.8	15	17	19	23	27.6	38.4	46	50	50	50	50	50	50
25W		4.1	6.3	7.6	9.5	11.4	16	19	23	26	31	37	45	62	75	80	80	80	80	80	80
40W		6.3	10	12	15	19	26	30	37	41	45	54	65	90	100	100	100	100	100	100	100
60W		10	16	19	24	28	40	47	55	61	69	83	100	138	160	175	200	200	200	200	200
90W		14	24	28	35	42	60	70	80	89	103	124	149	200	200	200	200	200	200	200	200
120W		19	30	37	46	55	70	83	100	129	125	150	180	200	200	200	200	200	200	200	200
150W		26	39	48	60	72	82	98	125	138	150	180	200	200	200	200	200	200	200	200	200

* Reversible motor: 30 minsrated time limited.

MOTOR SPECIFICATION -K SERIES

INDUCTION MOTOR (CONTINUOUS RATING)

MODEL		OUTPUT (W)	VOLTAGE (V)	POLE (P)	FREQUENCY (Hz)	STARTING TORQUE (Kg · cm)	RATED TORQUE (Kg · cm)	RATED CURRENT (A)	RATED RPM (r/min)	CAPACITOR (μF)
ROUND SHAFT	GN/GU SHAFT									
2IK6A-A	2IK6GN-A	6	1Ø 110	4	60	0.5	0.36	0.24	1600	3(250V)
2IK6A-C	2IK6GN-C		1Ø 220	4	50	0.5	0.46	0.12	1250	0.8(450V)
					60	0.5	0.36	0.12	1600	
3IK15A-A	3IK15GN-A	15	1Ø 110	4	60	0.87	0.91	0.31	1600	4.5(250V)
3IK15A-C	3IK15GN-C		1Ø 220	4	50	0.98	1.15	0.19	1250	1.2(450V)
					60	0.98	0.91	0.16	1600	
4IK25A-A	4IK25GN-A	25	1Ø 110	4	60	1.2	1.47	0.47	1650	6(250V)
4IK25A-C	4IK25GN-C		1Ø 220	4	50	1.2	1.82	0.28	1350	1.5(450V)
					60	1.2	1.47	0.22	1650	
4IK25A-S	4IK25GN-S	25	3Ø 220	4	50	6.12	1.77	0.28	1350	--
					60	4.92	1.48	0.23	1650	
4IK25A-U	4IK25GN-U		3Ø 380	4	50	6.23	1.77	0.16	1350	--
					60	4.96	1.47	0.13	1650	
5IK40A-A	5IK40GN-A	40	1Ø 110	4	60	1.7	2.28	0.63	1650	10(250V)
5IK40A-C	5IK40GN-C		1Ø 220	4	50	2.17	3.00	0.33	1350	2.5(450V)
					60	2.17	2.50	0.30	1650	
5IK40A-S	5IK40GN-S	40	3Ø 220	4	50	12.13	2.75	0.33	1350	--
					60	9.44	2.29	0.28	1650	
5IK40A-U	5IK40GN-U		3Ø 380	4	50	12.34	2.75	0.19	1350	--
					60	9.29	2.29	0.16	1650	
5IK60A-A	5IK60(GN-GU)-A	60	1Ø 110	4	60	2.77	3.51	0.95	1650	14(250V)
5IK60A-C	5IK60(GN-GU)-C		1Ø 220	4	50	3.28	4.86	0.55	1350	3.5(450V)
					60	3.28	4.15	0.45	1650	
5IK60A-S	5IK60(GN-GU)-S	60	3Ø 220	4	50	15.63	4.22	0.45	1350	--
					60	12.1	3.53	0.40	1650	
5IK60A-U	5IK60(GN-GU)-U		3Ø 380	4	50	15.78	4.21	0.26	1350	--
					60	12.4	3.50	0.23	1650	
5IK90A-A	5IK90GU-A	90	1Ø 110	4	60	4.56	5.19	1.35	1650	22(250V)
5IK90A-C	5IK90GU-C		1Ø 220	4	50	4.87	6.35	0.67	1350	5(450V)
					60	4.87	5.21	0.65	1650	
5IK90A-S	5IK90GU-S	90	3Ø 220	4	50	19.73	6.45	0.66	1350	--
					60	15.14	5.40	0.55	1650	
5IK90A-U	5IK90GU-U		3Ø 380	4	50	19.95	6.44	0.38	1350	--
					60	15.73	5.37	0.32	1650	
5IK120A-A	5IK120GU-A	120	1Ø 110	4	60	4.9	7.12	1.78	1650	25(250V)
5IK120A-C	5IK120GU-C		1Ø 220	4	50	5.08	8.48	0.86	1350	6(450V)
					60	5.06	6.93	0.87	1650	
5IK120A-S	5IK120GU-S	120	3Ø 220	4	50	21.71	9.00	0.76	1350	--
					60	16.35	7.49	0.68	1650	
5IK120A-U	5IK120GU-U		3Ø 380	4	50	29.12	8.63	0.44	1350	--
					60	21.92	7.16	0.39	1650	
5IK150A-A	5IK150GU-A	150	1Ø 110	4	60	7.06	8.91	2.13	1650	30(250V)
5IK150A-C	5IK150GU-C		1Ø 220	4	50	7.74	11.3	1.06	1350	7(450V)
					60	1.16	9.19	1.10	1650	
5IK150A-S	5IK150GU-S	150	3Ø 220	4	50	29.1	11.2	0.94	1350	
					60	21.9	9.3	0.81	1650	
5IK150A-U	5IK150GU-U		3Ø 380	4	50	29.1	11.2	0.54	1350	
					60	21.9	9.3	0.47	1650	

MOTOR SPECIFICATION -K SERIES

REVERSIBLE MOTOR (30 MINS RATING)

MODEL		OUTPUT (W)	VOLTAGE (V)	POLE (P)	FREQUENCY (Hz)	STARTING TORQUE (Kg · cm)	RATED TORQUE (Kg · cm)	RATED CURRENT (A)	RATED RPM (r/min)	CAPACITOR (μF)
ROUND SHAFT	GN/GU SHAFT									
2RK6A-A	2RK6GN-A	6	1Ø 110	4	60	0.51	0.38	0.26	1550	3.5(250V)
2RK6A-C	2RK6GN-C		1Ø 220	4	50	0.48	0.45	0.13	1200	1(450V)
					60	0.51	0.38	0.15	1550	
3RK15A-A	3RK15GN-A	15	1Ø 110	4	60	0.97	0.98	0.38	1550	6(250V)
3RK15A-C	3RK15GN-C		1Ø 220	4	50	1.01	1.22	0.20	1200	1.5(450V)
					60	0.97	1.00	0.19	1550	
4RK25A-A	4RK25GN-A	25	1Ø 110	4	60	1.50	1.50	0.53	1600	8(250V)
4RK25A-C	4RK25GN-C		1Ø 220	4	50	1.60	1.82	0.30	1300	2(450V)
					60	1.50	1.50	0.27	1600	
4RK25A-S	4RK25GN-S	25	3Ø 220	4	50	5.98	1.85	0.28	1250	--
					60	4.65	1.56	0.24	1550	
4RK25A-U	4RK25GN-U		3Ø 380	4	50	5.89	1.83	0.16	1250	--
					60	4.66	1.53	0.14	1550	
5RK40A-A	5RK40GN-A	40	1Ø 110	4	60	2.77	2.50	0.93	1600	12(250V)
5RK40A-C	5RK40GN-C		1Ø 220	4	50	2.77	3.00	0.43	1300	3(450V)
					60	2.77	2.50	0.43	1600	
5RK40A-S	5RK40GN-S	40	3Ø 220	4	50	11.41	2.82	0.38	1250	--
					60	8.49	2.40	0.36	1550	
5RK40A-U	5RK40GN-U		3Ø 380	4	50	11.72	2.99	0.22	1250	--
					60	9.03	2.51	0.21	1550	
5RK60A-A	5RK60(GN-GU)-A	60	1Ø 110	4	60	3.88	4.15	1.24	1600	16(250V)
5RK60A-C	5RK60(GN-GU)-C		1Ø 220	4	50	3.88	4.86	0.62	1300	4(450V)
					60	3.88	4.15	0.58	1600	
5RK60A-S	5RK60(GN-GU)-S	60	3Ø 220	4	50	15.62	4.35	0.52	1250	--
					60	11.91	3.65	0.48	1550	
5RK60A-U	5RK60(GN-GU)-U		3Ø 380	4	50	15.55	4.58	0.30	1250	--
					60	11.84	3.85	0.28	1550	
5RK90A-A	5RK90GU-A	90	1Ø 110	4	60	5.57	5.21	1.81	1600	25(250V)
5RK90A-C	5RK90GU-C		1Ø220	4	50	5.57	6.35	0.77	1300	6(450V)
					60	5.57	5.21	0.88	1600	
5RK90A-S	5RK90GU-S	90	3Ø 220	4	50	17.25	6.61	0.71	1250	--
					60	14.72	5.58	0.66	1550	
5RK90A-U	5RK90GU-U		3Ø 380	4	50	19.88	6.92	0.41	1250	--
					60	14.95	5.85	0.38	1550	
5RK120A-A	5RK120GU-A	120	1Ø 110	4	60	6.51	7.22	2.17	1600	27(250V)
5RK120A-C	5RK120GU-C		1Ø 220	4	50	6.51	8.94	1.07	1300	7(450V)
					60	6.51	7.22	0.88	1600	
5RK120A-S	5RK120GU-S	120	3Ø 220	4	50	24.09	8.95	0.81	1250	--
					60	18.79	7.46	0.78	1550	
5RK120A-U	5RK120GU-U		3Ø 380	4	50	27.02	9.00	0.47	1250	--
					60	19.72	7.43	0.45	1550	
5RK150A-A	5RK150GU-A	150	1Ø 110	4	60	6.51	9.00	2.58	1600	30(250V)
5RK150A-C	5RK150GU-C		1Ø 220	4	50	6.51	1.10	1.47	1300	8(450V)
					60	6.51	9.00	1.34	1600	
5RK150A-S	5RK150GU-S	150	3Ø 220	4	50	24.09	12.00	1.00	1250	--
					60	18.79	9.00	0.92	1550	
5RK150A-U	5RK150GU-U		3Ø 380	4	50	27.02	12.00	0.58	1250	--
					60	19.72	9.00	0.53	1550	

* Above maybe revised without notice.

DC MOTOR

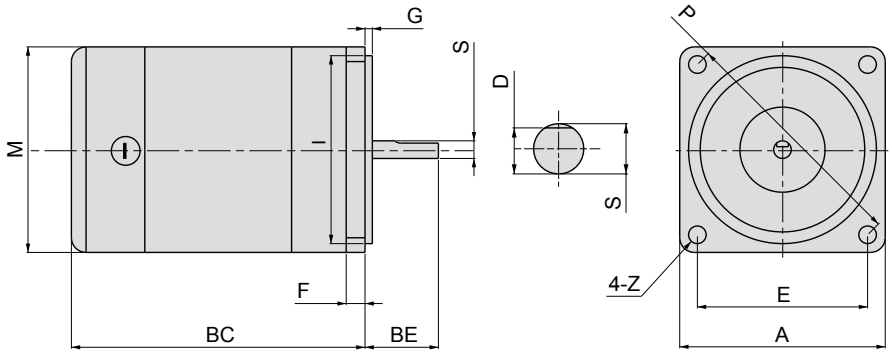
INDICATION OF DC MOTOR

D 05 GN 12 – 1800

MODEL	DIMENSION	MOTOR SHAFT	VOLTAGE	RPM
Permanent Magnet DC Motor	05 : 60mm 06 : 70mm 07 : 80mm 08 : 90mm 1 0 : 90mm 1 2 : 90mm 1 8 : 90mm	A: Round shaft GN: General Helical gear shaft (Model 05~08) GU: Enhanced Helical gear shaft (Model 10~18)	12 : 12V 24 : 24V 90 : 90V 180 : 180V	1800 3000

A

GN
GU



DIMENSION (mm)

	MODEL	A	BC	BE	I	M	F	S	G	Z	P	E
DC	05	60	102.5	24	54	63	6.4	8	2.2	4.5	70	49.5
	06	70	102.5	25	64	70	6.4	8	2.2	6	82	58
	07	80	109	25	73	70	6.5	8	2.2	6	94	66.5
	08	90	118	32	83	80	8.4	10	2.2	7	104	73.6
	10	90	138	32	83	80	8.4	10/12	2.2	7	104	73.6
	12	90	161	32	83	90	10.5	12	2.2	8	104	73.6
	18	90	181	32	83	90	10.5	12	2.2	8	104	73.6

* "Rated Time limited" means motor must be cooled down after 30mins runing. Otherwise, motor is possible to be damaged.
* 1800 rpm: Continuous Operation
* 3000 rpm: 30 mins rated time limited

STANDARD SPECIFICATION

MOTOR TYPE			VOLTAGE (V)	RATED CURRENT (A)	RATED RPM (rpm)	OUTPUT		WEIGHT (KG)	COLLOCATED GEARHEAD
	MODEL	MOTOR SHAFT				WATT (W)	TORQUE (Kg · cm)		
DC	05	A GN	12/24	1.4/0.7	1800	10	0.6	0.7	GN : 2GN
				2.8/1.4	3000	20	0.7		
			90	0.23	1800	10	0.6		
				0.37	3000	20	0.7		
	06	A GN	12/24	2.2/1.1	1800	20	1.13	1.0	GN : 3GN
				4.0/2.0	3000	36	1.17		
			90/180	0.3/0.15	1800	20	1.13		
				0.53/0.26	3000	36	1.17		
	07	A GN	12/24	3.3/1.65	1800	30	1.70	1.3	GN : 4GN
				6.6/3.3	3000	60	1.95		
			90/180	0.44/0.22	1800	30	1.70	1.7	
				0.88/0.44	3000	60	1.95		
	08	A GN	12/24	4.4/2.2	1800	40	2.26	1.7	GN : 5GN
				7.7/3.86	3000	70	2.27		
			90/180	0.59/0.29	1800	40	2.26		
				1.03/0.5	3000	70	2.27		
	10	A GU	12/24	7.2/3.5	1800	65	3.68	2.2	GU : 5GU
				13.2/6.6	3000	120	3.89		
			90/180	0.96/0.48	1800	65	3.68	2.3	
				1.77/0.88	3000	120	3.89		
	12	A GU	12/24	11/5.5	1800	100	5.66	3.4	GU : 5GU
				22/11	3000	200	6.49		
			90/180	1.47/0.74	1800	100	5.66	3.5	
				2.94/1.47	3000	200	6.49		
	18	A GU	12/24	22/11	1800	200	11.3	4	GU: 5GU
				27.6/13.8	3000	250	8.1		
			90/180	2.9/1.5	1800	200	11.3	4.1	
				3.7/1.8	3000	250	8.1		

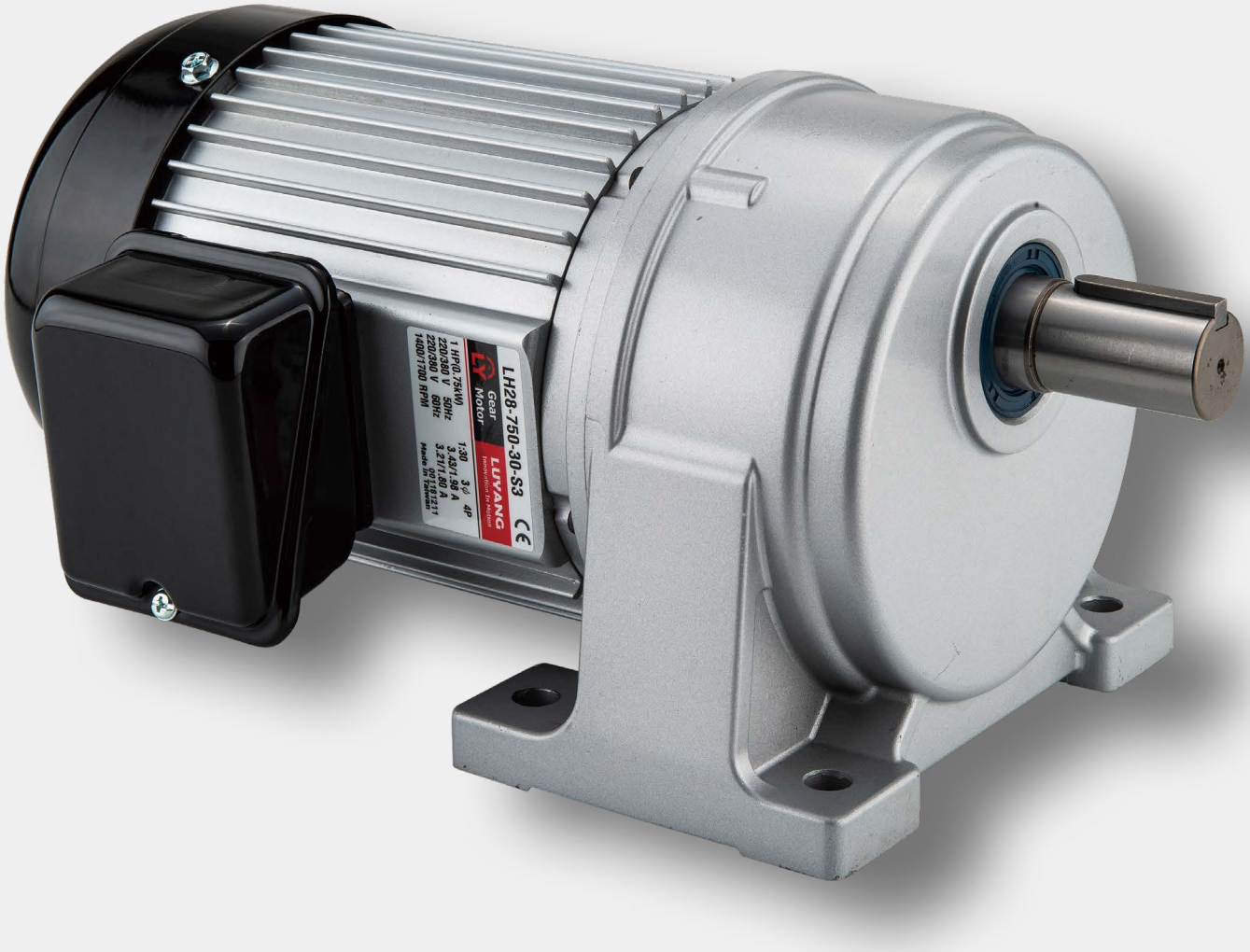
*Please contact us while the motor is running under the low temperature environment.

ARTICLE - L SERIES

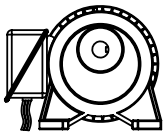
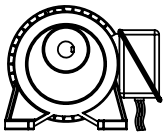
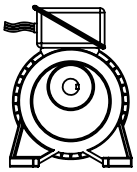
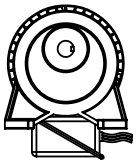
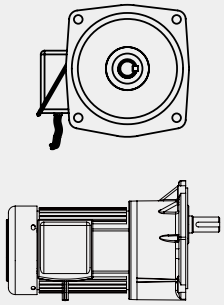
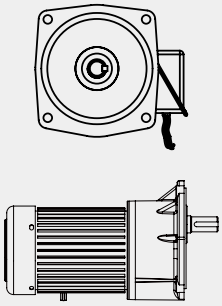
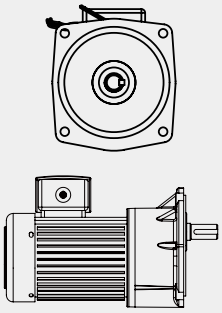
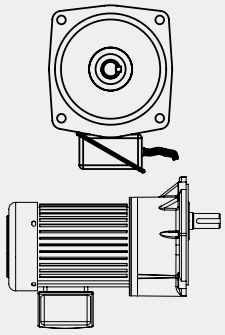
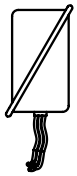
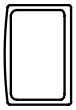
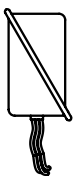
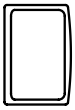
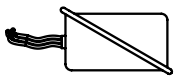
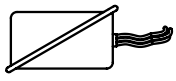
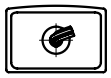
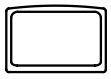
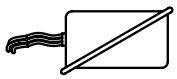
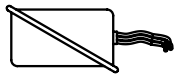
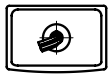
INDICATION OF GEAR MOTOR

LH	28	– 750	– 30	– S3	M

MODEL	FRAME	OUTPUT	RATIO	VOLTAGE	ACCESSORY
J220 : Carton Sealer Gear Motor	18: Frame 18	100: 100W (1/8HP)	3~1800	AC: 1Ø 110/220V 50/60Hz	M: Electromagnetic Brake
LH : Horizontal Type Gear Motor	22: Frame 22	200: 200W (1/4HP)		AV: 1Ø 110/220V 60Hz	
LV : Vertical Type Gear Motor	22B: Frame 22B	400: 400W (1/2HP)		AVE: 1Ø 110/220V 50Hz	
	28: Frame 28	750: 750W (1HP)		S3: 3Ø 220/380V	
	32: Frame 32	1500: 1500W (2HP)			
	40: Frame 40	2200: 2200W (3HP)		*AC: For 1Ø 200W	
	50: Frame 50	3700: 3700W (5HP)		AV, AVE: For 1Ø 400~1500W	

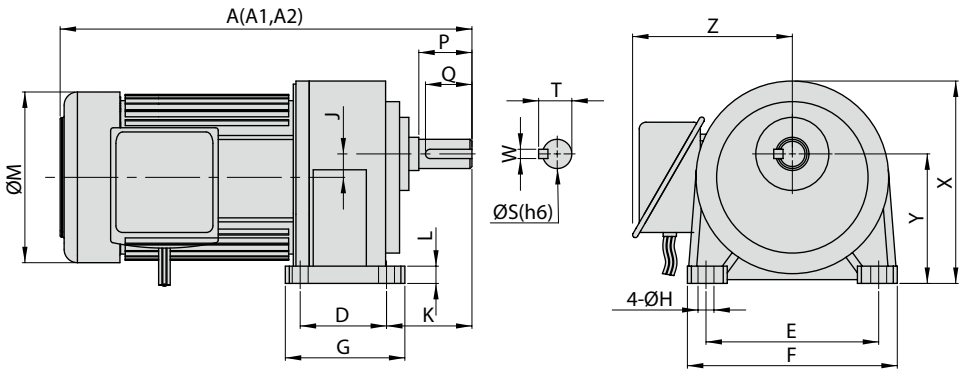


DIRECTION OF TERMINAL BOX

TYPE	G1- LEFT SIDE (STANDARD TYPE)	G2- RIGHT SIDE	G3-TOP SIDE	G4-DOWN SIDE
LH				
LV				
WIRE INLET DIRECTION	LD  LT  LF  LB 	RD  RT  RF  RB 	TL  TR  TF  TB 	DL  DR  DF  DB 

Please contact us while the motor will run under the low temperature environment.

LH HORIZONTAL GEAR MOTOR

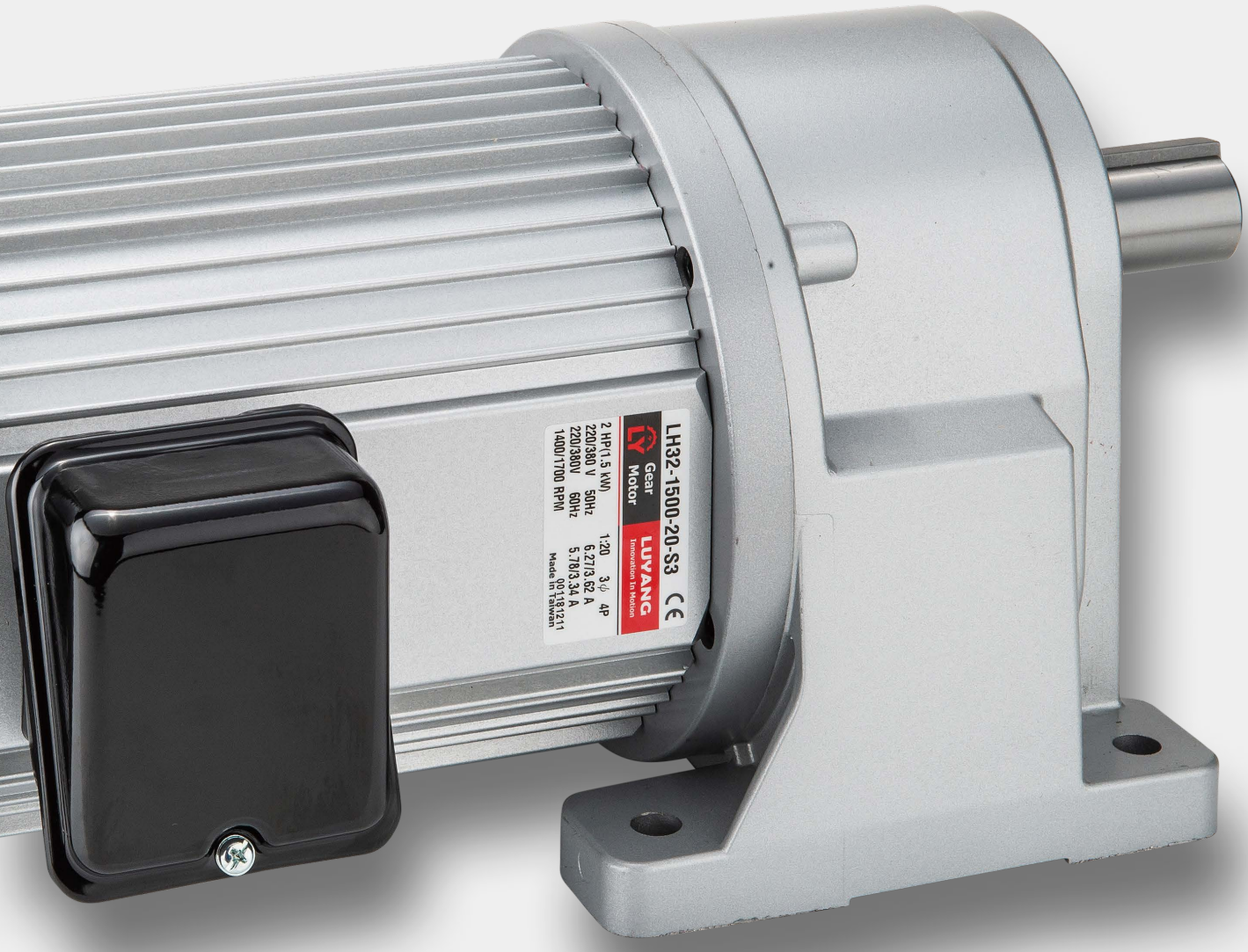


DIMENSION (mm)

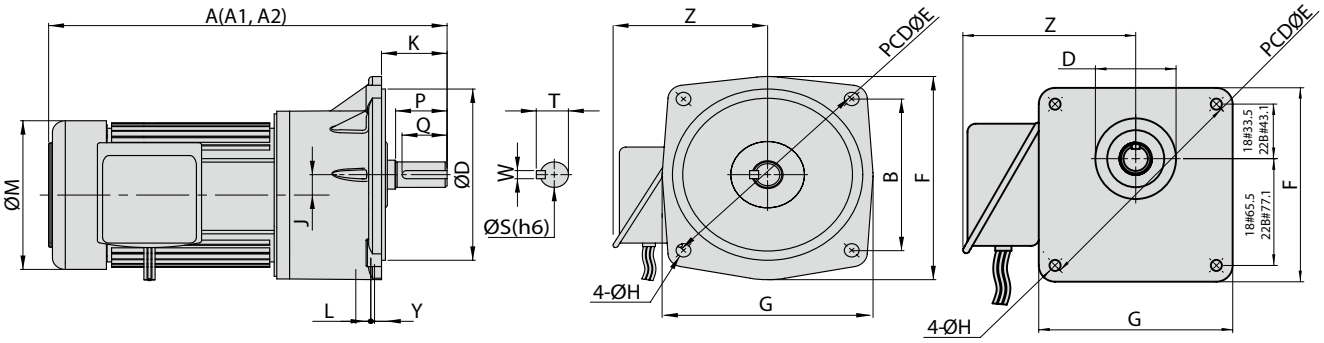
OUTPUT W (HP)	RATIO	HOUSING CODE	A [4]	A1 [4]	A2 [4]	D	E	F	G	H	J	K	L	M	X	Y	Z	OUTPUT SHAFT S	P	W	T	Q
100W (1/8 HP)	3~50 (60~200)	1	18	246	276	246	40	110	135	65	9	16	48.6	10	135	131	88.5	120	18	30	5	20	25
	60~200	2	22	276	307	276	65	130	158	90	11	17.65	60	13	135	153	97.5	120	22	40	7	25	35
200W (1/4 HP)	3~10 (12.5~90)	1	18	266	276	276	40	110	135	65	9	16	48.6	10	135	131	88.5	120	18	30	5	20	25
	12.5~90 (100~200)	2	22	296	307	306	65	130	158	90	11	17.65	60	13	135	153	97.5	120	22	40	7	25	35
	100~200	3	28	312	322	322	90	140	180	120	11	24.22	66.5	16	135	174	116	120	28	45	7	31	40
400W (1/2 HP) [5]	3~10 (12.5~90)	2	22	306	317	-	65	130	158	90	11	17.65	63	13	135	153	97.5	135	22	40	7	25	35
	12.5~90 (100~200)	3	28	322	332	-	90	140	180	120	11	24.22	66.5	16	135	174	116	135	28	45	7	31	40
	100~200	4	32	367	378	-	130	170	210	165	12	30.22	70	20	135	198	130	135	32	55	10	35	50
400W+ (1/2 HP) [6]	3~10 (12.5~90)	2	22	329	335	358	65	130	158	90	11	17.65	63	13	165	153	97.5	135	22	40	7	25	35
	12.5~90 (100~200)	3	28	353	359	382	90	140	180	120	11	24.22	66.5	16	165	174	116	135	28	45	7	31	40
	100~200	4	32	396	402	418	130	170	210	165	12	30.22	70	20	165	198	130	135	32	55	10	35	50
750W (1 HP)	(3~25)	2	22	336	342	385	65	130	158	90	11	17.65	60	13	165	153	97.5	135	22	40	7	25	35
	3~25 (30~120)	3	28	360	366	410	90	140	180	120	11	24.22	66.5	16	165	174	116	135	28	45	7	31	40
	30~120 (125~200)	4	32	396	402	445	130	170	210	165	12	30.22	70	20	165	198	130	135	32	55	10	35	50
	125~200	5	40	451	457	500	150	210	265	198	15	28	89	22	165	250	162	135	40	65	10	43	60
1500W (2 HP)	(3~40)	3	28	413	413	457	90	140	180	120	11	24.22	66.5	16	192	174	116	135	28	45	7	31	40
	3~30 (40~100)	4	32	453	453	497	130	170	210	165	13	30.22	70	20	192	198	130	146	32	55	10	35	50
	25~100 (110~170)	5	40	510	510	552	150	210	265	198	15	28	89	22	192	250	162	146	40	65	10	43	60
	10~1180	6	50	560	560	560	170	265	319	238	18	51	120	31.5	192	308	200	146	50	80	14	54	75
2200W (3 HP)	3~40 (45~80)	5	40	530	530	-	150	210	265	198	15	28	89	22	220	250	162	160	40	65	10	43	60
	45~100	6	50	580	580	-	170	265	319	238	18	51	120	31.5	220	308	200	160	50	80	14	54	75
3700W (5 HP)	3~10 (15~60)	5	40	560	560	-	150	210	265	198	15	28	89	22	220	250	162	160	40	65	10	43	60
	15~60	6	50	620	620	-	170	265	319	238	18	51	120	31.5	220	308	200	160	50	80	14	54	75

NOTE:
[1] Light loading type have one year guarantee for motor only
[2] Ratio showed in parenthesis ( ) are used for light loading
[3] Refer to dimension of single-phase brake motor, please contact us
[4] A: With 3-phase motors / A1: With 3-phase brake motors / A2: With single-phase motors
[5] Standard type for 3-phase
[6] Standard type for 1-phase and enhanced type for 3-phase

LH HORIZONTAL GEAR MOTOR



LV VERTICAL GEAR MOTOR



A FLANGE
(For Code 22, 28, 32, 40, 50)

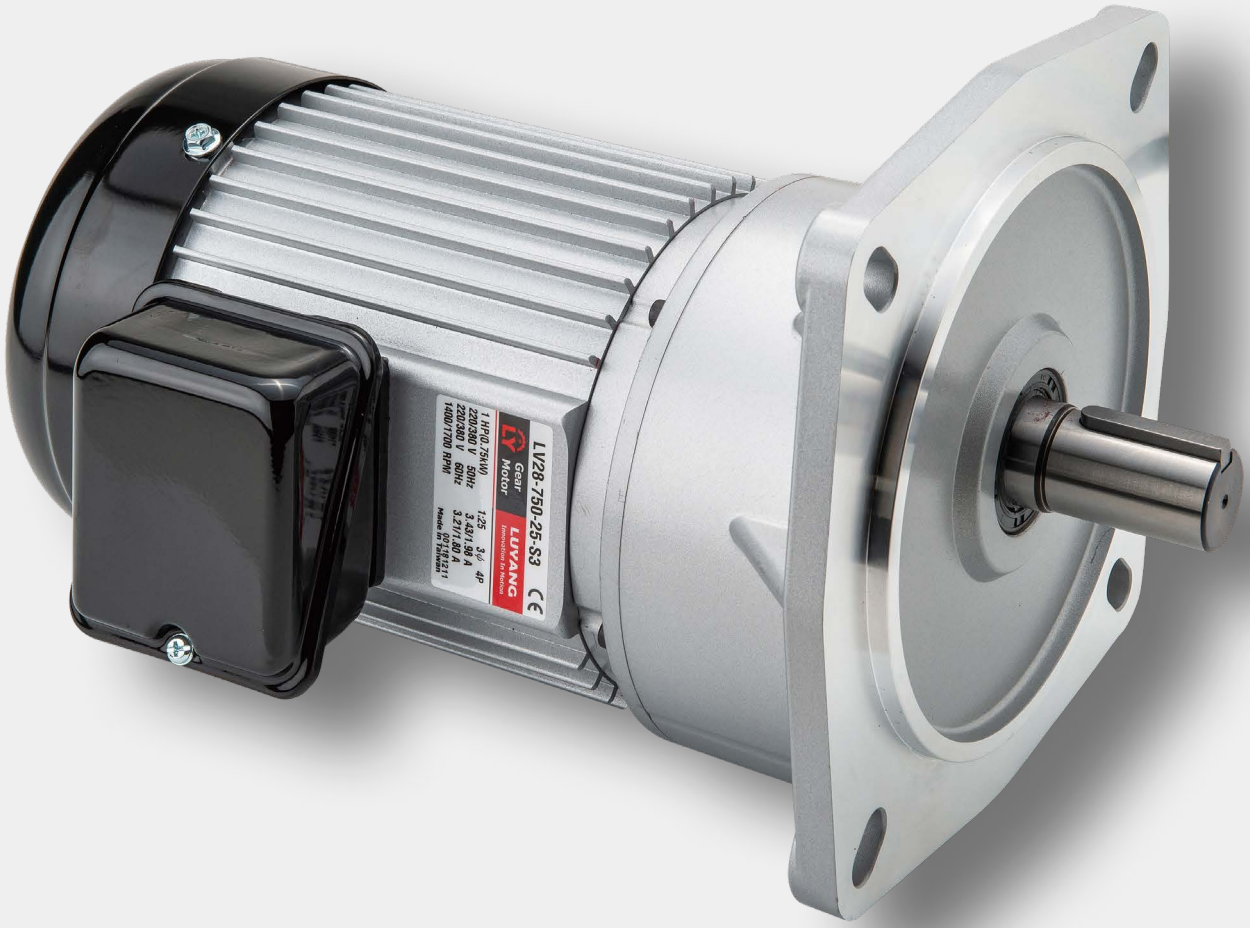
7 B FLANGE
(For Code 18,22B)

DIMENSION (mm)

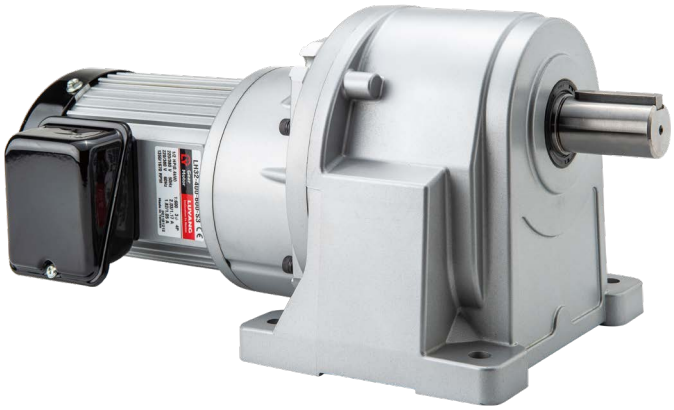
OUTPUT W (HP)	RATIO	HOUSING CODE	A [4]	A1 [4]	A2 [4]	B	D	E	F	G	H	J	K	L	M	Y	Z	OUTPUT SHAFT S	P	W	T	Q
100W (1/8 HP)	3~50 (60~200)	1	18	246	276	246	-	50	140	119	119	9	16	40	12	135	-	120	18	30	5	20	25
	60~200	2	22	276	307	276	130.8	148	185	176	164	11	17.65	47	12	135	3	120	22	40	7	25	35
		2	22B	276	307	276	-	62	170	147	147	11	17.65	47	12	135	-	120	22	40	7	25	35
200W (1/4 HP)	3~10 (12.5~90)	1	18	266	276	276	-	50	140	119	119	9	16	40	12	135	-	120	18	30	5	20	25
	12.5~90 (100~200)	2	22	296	307	306	130.8	148	185	176	164	11	17.65	47	12	135	3	120	22	40	7	25	35
		2	22B	296	307	306	-	62	170	147	147	11	17.65	47	12	135	-	120	22	40	7	25	35
	100~200	3	28	312	323	322	155.6	170	220	216	216	11	24.22	60	15	135	6	120	28	45	7	31	40
400W (1/2 HP) [5]	3~10 (12.5~90)	2	22	306	317	-	130.8	148	185	176	164	11	17.65	47	12	135	3	135	22	40	7	25	35
		2	22B	306	317	-	-	62	170	147	147	11	17.65	47	12	135	-	135	22	40	7	25	35
	12.5~90 (100~200)	3	28	322	332	-	155.6	170	220	216	216	11	24.22	60	15	135	6	135	28	45	7	31	40
	100~200	4	32	367	378	-	180.3	185	255	241	225	13	30.22	65	15	135	4	135	32	55	10	35	50
400W+ (1/2 HP) [6]	3~10 (12.5~90)	2	22	329	335	358	130.8	148	185	176	164	11	17.65	47	12	165	3	135	22	40	7	25	35
		2	22B	339	335	358	-	62	170	147	147	11	17.65	47	12	165	-	135	22	40	7	25	35
	12.5~90 (100~200)	3	28	355	361	384	155.6	170	220	216	216	11	24.22	60	15	165	6	135	28	45	7	31	40
	100~200	4	32	396	402	418	180.3	185	255	241	225	13	30.22	65	15	165	4	135	32	55	10	35	50
750W (1 HP)	(3~25)	2	22	336	342	385	130.8	148	185	176	164	11	17.65	47	12	165	3	135	22	40	7	25	35
		2	22B	336	342	385	-	62	170	147	147	11	17.65	47	12	165	-	135	22	40	7	25	35
	3~25 (30~120)	3	28	362	368	411	155.6	170	220	216	216	11	24.22	60	15	165	6	135	28	45	7	31	40
	30~120 (125~200)	4	32	396	402	445	180.3	185	255	241	225	13	30.22	65	15	165	4	135	32	55	10	35	50
	125~200	5	40	451	457	500	219.3	230	310	291	272	15	28	85	21	165	5	135	40	65	10	43	60
1500W (2 HP)	(3~40)	3	28	413	413	457	155.6	170	220	216	216	11	24.22	60	15	192	6	135	28	45	7	31	40
	3~30 (40~100)	4	32	453	453	497	180.3	185	255	241	225	13	30.22	65	15	192	4	146	32	55	10	35	50
	25~100 (110~170)	5	40	508	508	552	219.3	230	310	291	272	15	28	85	21	192	5	146	40	65	10	43	60
	110~180	6	50	560	560	560	275.8	280	390	369	341	18	51	92	25	192	5	146	50	80	14	54	75
2200W (3 HP)	3~40 (45~80)	5	40	530	530	-	219.3	230	310	291	272	15	28	85	21	220	5	160	40	65	10	43	60
	45~100	6	50	580	580	-	275.8	280	390	369	341	18	51	92	25	220	5	160	50	80	14	54	75
3700W (5 HP)	3~10 (15~60)	5	40	560	560	-	219.3	230	310	291	272	15	28	85	21	220	5	160	40	65	10	43	60
	15~60	6	50	620	620	-	275.8	280	390	369	341	18	51	92	25	220	5	160	50	80	14	54	75

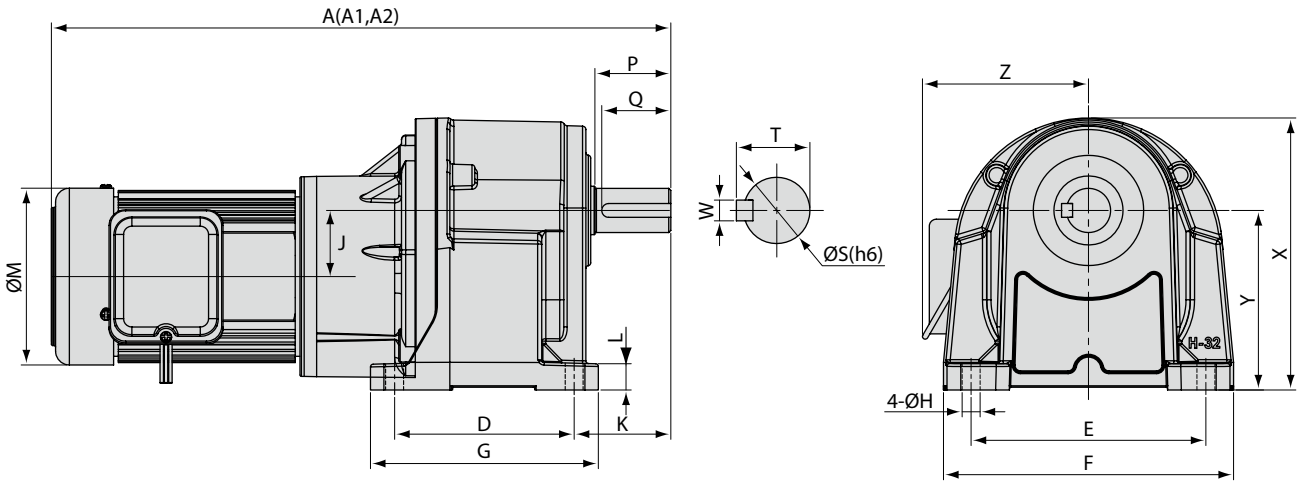
NOTES:
1. Light loading type have one year guarantee for motor only.
2. Ratio showed in parenthesis ( ) are used for light loading.
3. Refer to dimension of single-phase brake motor, please contact us.
4. A: With 3-phase motors / A1: With 3-phase brake motors / A2: With single-phase motors.
5. Standard type for 3-phase
6. Standard type for 1-phase and enhanced type for 3-phase
7. For Code 18, 22B: B type flange

LV VERTICAL GEAR MOTOR



LH HORIZONTAL HIGH RATIO GEAR MOTOR



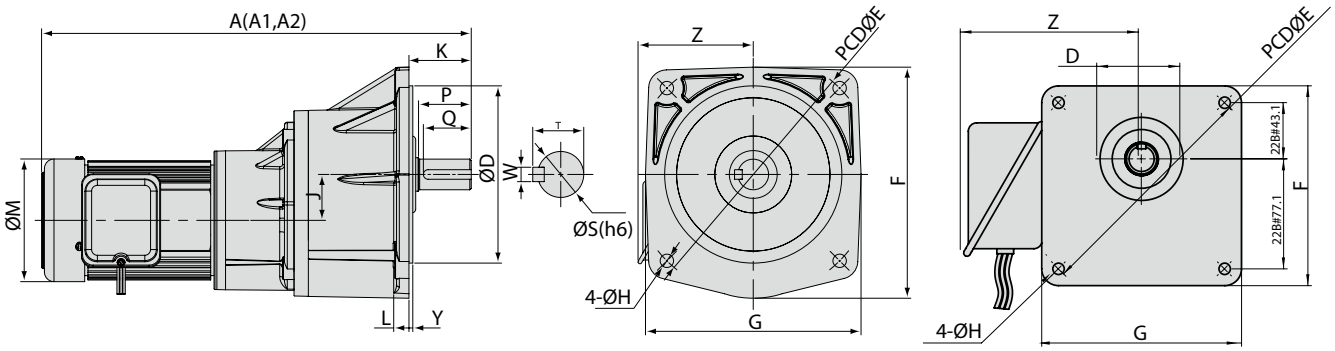


DIMENSION (mm)

OUTPUT W (HP)	RATIO	HOUSING CODE		A [4]	A1 [4]	A2 [4]	D	E	F	G	H	J	K	L	M	X	Y	Z	OUTPUT SHAFT S	P	W	T	Q
100W (1/8HP)	(250~1800)	1#+2#	22	346	377	346	65	130	158	90	11	33.65	63	13	135	153	97.5	135	22	40	7	25	35
	250~1800	1#+3#	28	349	379	349	90	140	180	120	11	40.22	66.5	16	135	174	116	135	28	45	7	31	40
200W (1/4HP)	(250~1800)	1#+3#	28	369	379	379	90	140	180	120	11	40.22	66.5	16	135	174	116	135	28	45	7	31	40
	250~1800	2#+4#	32	433	444	443	130	170	210	165	13	47.87	70	20	135	198	130	135	32	55	10	35	50
400W (1/2HP) [5]	(250~1800)	2#+4#	32	443	454	-	130	170	210	165	13	47.87	70	20	135	198	130	135	32	55	10	35	50
	250~1800	3#+5#	40	500	511	-	150	210	265	198	15	52.3	89	22	135	250	160	146	40	65	10	43	60
400W+ (1/2HP) [6]	(250~1800)	2#+4#	32	466	472	495	130	170	210	165	13	47.87	70	20	165	198	130	135	32	55	10	35	50
	250~1800	3#+5#	40	521	527	550	150	210	265	198	15	52.3	89	22	165	250	160	146	40	65	10	43	60

NOTE: [1] Light loading type have one year guarantee for motor only
[2] Ratio showed in parenthesis ( ) are used for light loading
[3] Refer to dimension of single-phase brake motor, please contact us
[4] A: With 3-phase motors / A1: With 3-phase brake motors / A2: With single-phase motors
[5] Standard type for 3-phase
[6] Standard type for 1-phase and enhanced type for 3-phase

LV VERTICAL HIGH RATIO GEAR MOTOR



A FLANGE
(For Code 22, 28, 32, 40, 50)

7 B FLANGE
(For Code 22B)

DIMENSION (mm)

OUTPUT W (HP)	RATIO	HOUSING	CODE	A 4	A1 4	A2 4	D	E	F	G	H	J	K	L	M	Y	Z	OUTPUT SHAFT				
																		S	P	W	T	Q
100W (1/8HP)	(250~1800)	1#+2#	22	346	377	346	148	185	176	164	11	33.65	47	12	135	3	135	22	40	7	25	35
		1#+2#	22B	346	377	346	62	170	147	147	11	33.65	47	12	135	-	135	22	40	7	25	35
	250~1800	1#+3#	28	348	379	348	170	220	216	216	11	40.22	60	15	135	6	135	28	45	7	31	40
200W (1/4HP)	(250~1800)	1#+3#	28	368	379	379	170	220	216	216	11	40.22	60	15	135	6	135	28	45	7	31	40
	250~1800	2#+4#	32	433	444	443	185	255	241	225	13	47.87	65	15	135	4	135	32	55	10	35	50
400W (1/2HP) 5	(250~1800)	2#+4#	32	443	454	-	185	255	241	225	13	47.87	65	15	135	4	135	32	55	10	35	50
	250~1800	3#+5#	40	500	511	-	230	310	291	272	15	52.3	85	21	135	5	135	40	65	10	43	60
400W (1/2HP) 6	(250~1800)	2#+4#	32	466	472	495	185	255	241	225	13	47.87	65	15	165	4	135	32	55	10	35	50
	250~1800	3#+5#	40	521	527	550	230	310	291	272	15	52.3	85	21	165	5	135	40	65	10	43	60

NOTES:
1 Light loading type have one year guarantee for motor only
2 Ratio showed in parenthesis ( ) are used for light loading
3 Refer to dimension of single-phase brake motor, please contact us.

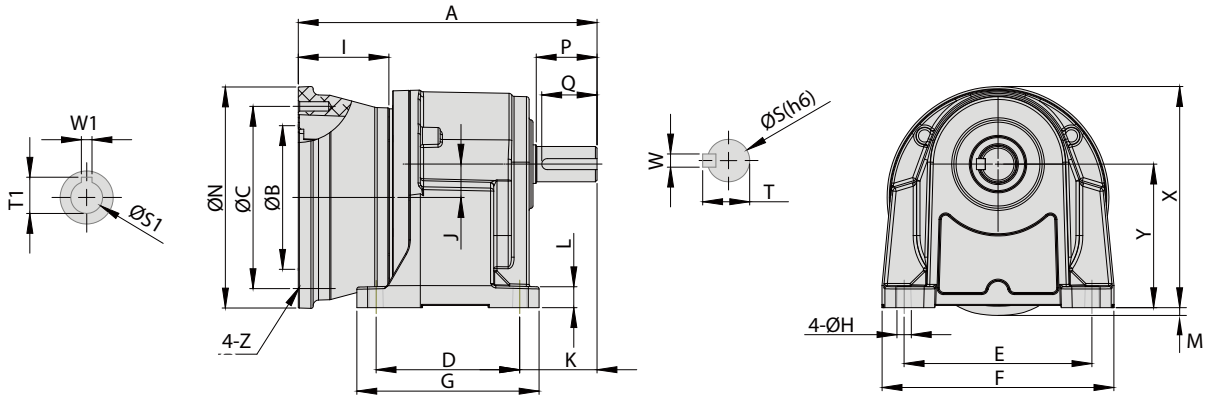
4 A: With 3-phase motors / A1: With 3-phase brake motors / A2: With single-phase motors
5 Standard type for 3-phase
6 Standard type for 1-phase and enhanced type for 3-phase
7 For Code 22B: B type flange

LHM HORIZONTAL GEARBOX MOTOR PLUG-IN

INDICATION OF GEARBOX MOTOR PLUG-IN

LHM 18 – 100 – 20

MODEL	CODE	OUTPUT	RATIO
LHM: Horizontal Gearbox Motor Plug-In	18: Frame 18	100: 100W	3~200
LVM: Vertical Gearbox Motor Plug-In	22: Frame 22	200: 200W	
	22B: Frame 22B	400: 400W	
	28: Frame 28	750: 750W	
	32: Frame 32	1500: 1500W	
	40: Frame 40	2200: 2200W	
		3700: 3700W	

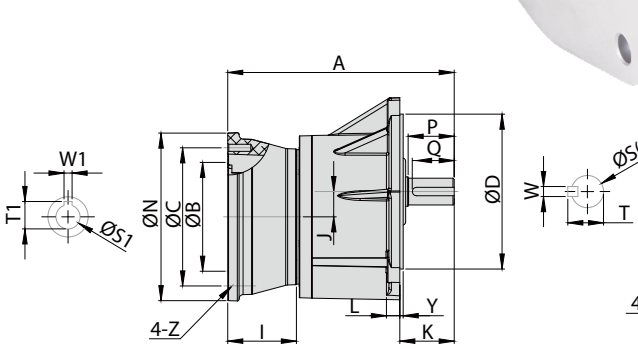


DIMENSION (mm)

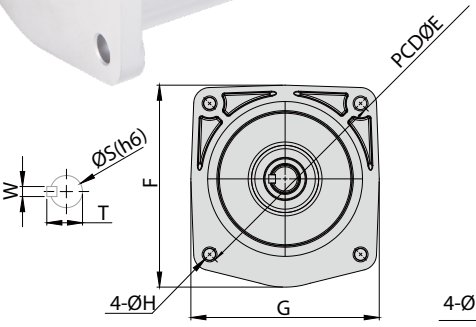
OUTPUT W (HP)	RATIO	CODE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	X	Y	Z	OUTPUT SHAFT S	OUTPUT SHAFT P	OUTPUT KEYWAY W	OUTPUT KEYWAY T	OUTPUT KEYWAY Q	INPUT BORE S1	INPUT KEYWAY W1	INPUT KEYWAY T1
100W 1/8HP	3-50 (60~200)	18	156	110	130	40	110	135	65	9	55	16	48.6	10	8	160	131	88.5	M8	Ø18	30	5	20	25	Ø11	4	12.8
	60-200	22	186	110	130	65	130	158	90	11	55	17.65	60	13	1	160	153	97.5	M8	Ø22	40	7	25	35	Ø11	4	12.8
200W 1/4HP	3-10 (12.5~90)	18	156	110	130	40	110	135	65	9	55	16	48.6	10	8	160	131	88.5	M8	Ø18	30	5	20	25	Ø11	4	12.8
	12.5-90 (100~200)	22	186	110	130	65	130	158	90	11	55	17.65	60	13	1	160	153	97.5	M8	Ø22	40	7	25	35	Ø11	4	12.8
	100-200	28	200	110	130	90	140	180	120	11	55	24.22	66.5	16	-	160	178	116	M8	Ø28	45	7	31	40	Ø11	4	12.8
400W 1/2HP	3-10 (12.5~90)	22	186	110	130	65	130	158	90	11	55	17.65	60	13	1	160	153	97.5	M8	Ø22	40	7	25	35	Ø14	5	16.3
	12.5-90 (100~200)	28	200	110	130	90	140	180	120	11	55	24.22	66.5	16	-	160	178	116	M8	Ø28	45	7	31	40	Ø14	5	16.3
	100-200	32	247	110	130	130	170	210	165	13	55	30.22	70	20	-	160	216	130	M8	Ø32	55	10	35	50	Ø14	5	16.3
750W 1HP	3-25 (30~120)	28	235	130	165	90	140	180	120	11	82	24.22	66.5	16	9	200	178	116	M10	Ø28	45	7	31	40	Ø19	6	21.8
	30-120 (125~200)	32	271	130	165	130	170	210	165	13	82	30.22	70	20	1	200	216	130	M10	Ø32	55	10	35	50	Ø19	6	21.8
	125-200	40	326	130	165	150	210	265	205	15	82	28	89	22	-	200	250	160	M10	Ø40	65	10	43	60	Ø19	6	21.8
1500W 2HP	3-30	32	271	130	165	130	170	210	165	13	82	30.22	70	20	1	200	216	130	M10	Ø32	55	10	35	50	Ø24	8	27.3
	25-100	40	326	130	165	150	210	265	205	15	82	28	89	22	-	200	250	160	M10	Ø40	65	10	43	60	Ø24	8	27.3
2200W 3HP	3-40	40	336	180	215	150	210	265	198	15	98	28	89	22	-	250	250	160	M14	Ø40	65	10	43	60	Ø28	8	31.3
3700W 5HP	3-10	40	336	180	215	150	210	265	198	15	98	28	89	22	-	250	250	160	M14	Ø40	65	10	43	60	Ø28	8	31.3

NOTE:
1. Light loading type have one year guarantee for motor only
2. Ratio showed in parenthesis ( ) are used for light loading
3. Suitable for motors of IEC standard

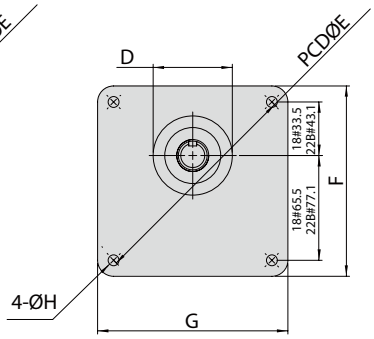
LVM VERTICAL GEARBOX MOTOR PLUG-IN



A FLANGE
(For Code 22, 28, 32, 40, 50)



4 B FLANGE
(For Code 18,22B)



DIMENSION (mm)

OUTPUT W (HP)	RATIO	CODE	A	B	C	D	E	F	G	H	I	J	K	L	N	Y	Z	OUTPUT SHAFT S	OUTPUT KEYWAY P	OUTPUT KEYWAY W	OUTPUT KEYWAY T	OUTPUT KEYWAY Q	INPUT BORE S1	INPUT KEYWAY W1	INPUT KEYWAY T1
100W 1/8HP	3-50 (60~200)	18	156	110	130	50	140	119	119	9	55	16	40	12	160	-	M8	Ø18	30	5	20	25	Ø11	4	12.8
	60-200	22	186	110	130	148	185	176	164	11	55	17.65	47	12	160	3	M8	Ø22	40	7	25	35	Ø11	4	12.8
		22B	186	110	130	62	170	147	147	11	55	17.65	47	12	160	-	M8	Ø22	40	7	25	35	Ø11	4	12.8
200W 1/4HP	3-10 (12.5~90)	18	156	110	130	50	140	119	119	9	55	16	40	12	160	-	M8	Ø18	30	5	20	25	Ø11	4	12.8
	12.5-90 (100~200)	22	186	110	130	148	185	176	164	11	55	17.65	47	12	160	3	M8	Ø22	40	7	25	35	Ø11	4	12.8
		22B	186	110	130	62	170	147	147	11	55	17.65	47	12	160	-	M8	Ø22	40	7	25	35	Ø11	4	12.8
	100-200	28	200	110	130	170	220	216	216	11	55	24.22	60	15	160	6	M8	Ø28	45	7	31	40	Ø11	4	12.8
400W 1/2HP	3-10 (12.5~90)	22	186	110	130	148	185	176	164	11	55	17.65	47	12	160	3	M8	Ø22	40	7	25	35	Ø14	5	16.3
		22B	186	110	130	62	170	147	147	11	55	17.65	47	12	160	-	M8	Ø22	40	7	25	35	Ø11	4	12.8
	12.5-90 (100~200)	28	200	110	130	170	220	216	216	11	55	24.22	60	15	160	6	M8	Ø28	45	7	31	40	Ø14	5	16.3
	100-200	32	247	110	130	185	255	241	225	13	55	30.22	65	15	160	4	M8	Ø32	55	10	35	50	Ø14	5	16.3
750W 1HP	3-25 (30~120)	28	235	130	165	170	220	216	216	11	82	24.22	60	15	200	6	M10	Ø28	45	7	31	40	Ø19	6	21.8
	30-120 (125~200)	32	271	130	165	185	255	241	225	13	82	30.22	65	15	200	4	M10	Ø32	55	10	35	50	Ø19	6	21.8
	125-200	40	326	130	165	230	310	290	268	15	82	28	85	21	200	5	M10	Ø40	65	10	43	60	Ø19	6	21.8
1500W 2HP	3-30	32	271	130	165	185	255	241	225	13	82	30.22	65	15	200	4	M10	Ø32	55	10	35	50	Ø24	8	27.3
	25-100	40	326	130	165	230	310	290	268	15	82	28	85	21	200	5	M10	Ø40	65	10	43	60	Ø24	8	27.3
2200W 3HP	3-40	40	336	180	215	230	310	290	268	15	95	28	85	21	250	5	M14	Ø40	65	10	43	60	Ø28	8	31.3
3700W 5HP	3-10	40	336	180	215	230	310	290	268	15	95	28	85	21	250	5	M14	Ø40	65	10	43	60	Ø28	8	31.3

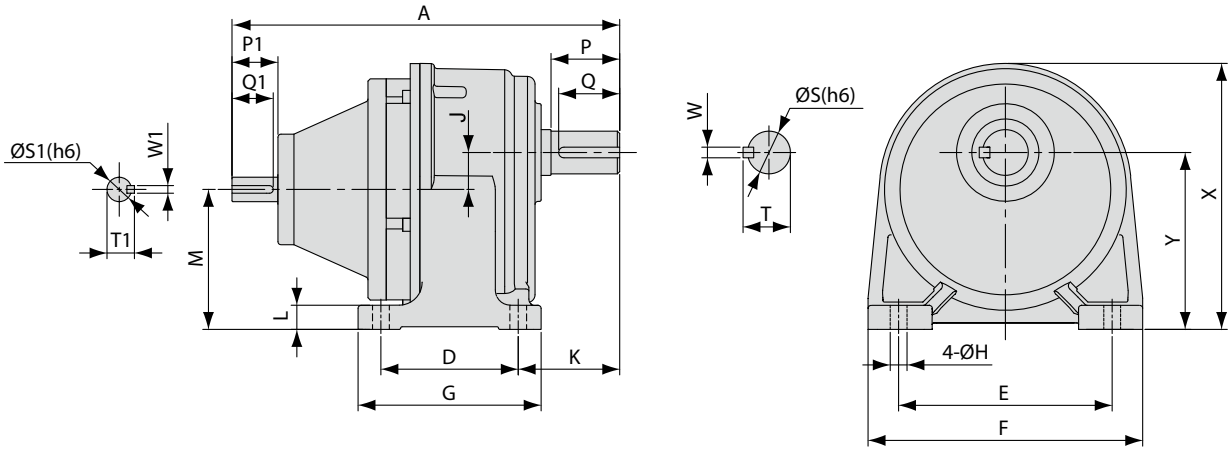
NOTE:
1. Light loading type have one year guarantee for motor only
2. Ratio showed in parenthesis ( ) are used for light loading
3. Suitable for motors of IEC standard
4. For Code 18, 22B: B type flange

LHD HORIZONTAL DOUBLE SHAFT GEARBOX

INDICATION OF DOUBLE SHAFT GEARBOX

LHD 18 – 100 – 20

MODEL	CODE	OUTPUT	RATIO
LHD: Horizontal Double Shaft Gearbox	18: Frame 18	100: 100W	3~200
	22: Frame 22	200: 200W	
LVD: Vertical Double Shaft Gearbox	22B: Frame 22B	400: 400W	
	28: Frame 28	750: 750W	
	32: Frame 32	1500: 1500W	

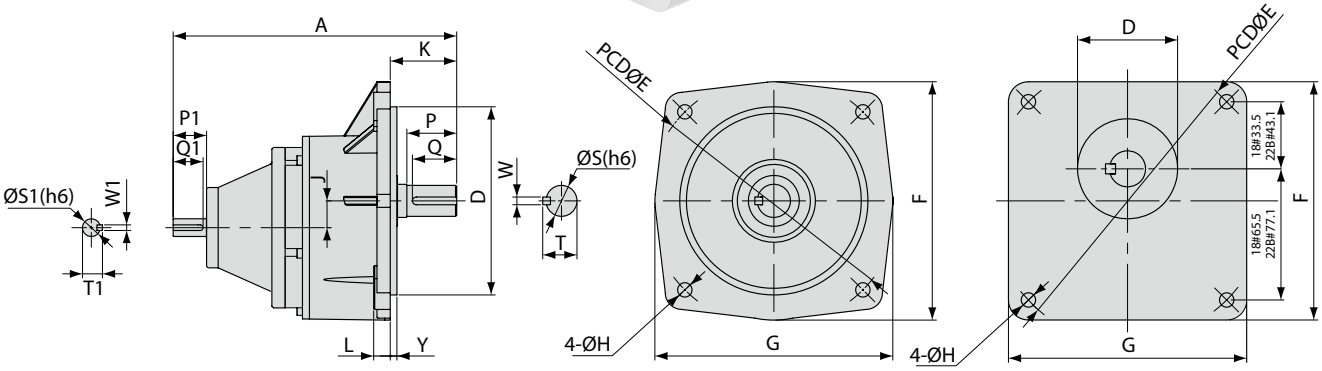


DIMENSION (mm)

OUTPUT W (HP)	RATIO	CODE	A	D	E	F	G	H	J	K	L	M	X	Y	OUTPUT SHAFT					INPUT BORE				
															S	P	W	T	Q	S1	P1	W1	T1	Q1
100W 1/8HP	3-50 (60~200)	18	165	40	110	135	65	9	16	48.6	10	72.5	131	88.5	18	30	5	20	25	14	25	5	16	22
	60-200	22	196	65	130	158	90	11	17.65	60	13	80	153	97.5	22	40	7	25	35	14	25	5	16	22
200W 1/4HP	3-10 (12.5~90)	18	165	40	110	135	65	9	16	48.6	10	72.5	131	88.5	18	30	5	20	25	14	25	5	16	22
	12.5-90 (100~200)	22	196	65	130	158	90	11	17.65	60	13	80	153	97.5	22	40	7	25	35	14	25	5	16	22
	100-200	28	210	90	140	180	120	11	24.22	66.5	16	92	174	116	28	45	7	31	40	14	25	5	16	22
400W 1/2HP	3-10 (12.5~90)	22	230	65	130	158	90	11	17.65	60	13	80	153	97.5	22	40	7	25	35	16	30	5	18	27
	12.5-90 (100~200)	28	255	90	140	180	120	11	24.22	66.5	16	92	174	116	28	45	7	31	40	16	30	5	18	27
	100-200	32	290	130	170	210	165	13	30.22	70	20	100	198	130	32	55	10	35	50	16	30	5	18	27
750W 1HP	3-25 (30~120)	28	265	90	140	180	120	11	24.22	66.5	16	92	174	116	28	45	7	31	40	19	40	6	21.5	35
	30-120 (125~200)	32	300	130	170	210	165	13	30.22	70	20	100	198	130	32	55	10	35	50	19	40	6	21.5	35
1500W 2HP	3-30	32	310	130	170	210	165	13	30.22	70	20	100	198	130	32	55	10	35	50	24	50	8	27	45

NOTES: 1. Light loading type have one year guarantee for motor only
2. Ratio showed in parenthesis ( ) are used for light loading

LVD VERTICAL DOUBLE SHAFT GEARBOX



A FLANGE
(For Code 22, 28, 32, 40, 50)

3 B FLANGE
(For Code 18,22B)

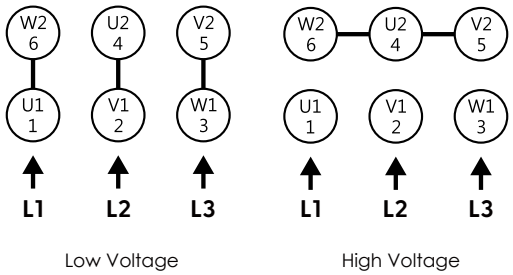
DIMENSION (mm)

OUTPUT W (HP)	RATIO	CODE	A	D	E	F	G	H	J	K	L	Y	OUTPUT SHAFT					INPUT BORE				
													S	P	W	T	Q	S1	P1	W1	T1	Q1
100W 1/8HP	3-50 (60~200)	18	166	50	140	119	119	9	16	40	12	_	18	30	5	20	25	14	25	5	16	22
	60-200	22	196	148	185	176	164	11	17.65	47	12	3	22	40	7	25	35	14	25	5	16	22
		22B	196	62	170	147	147	11	17.65	47	12	-	22	40	7	25	35	14	25	5	16	22
200W 1/4HP	3-10 (12.5~90)	18	166	50	140	119	119	9	16	40	12	_	18	30	5	20	25	14	25	5	16	22
	12.5-90 (100~200)	22	196	148	185	176	164	11	17.65	47	12	3	22	40	7	25	35	14	25	5	16	22
		22B	196	62	170	147	147	11	17.65	47	12	-	22	40	7	25	35	14	25	5	16	22
	100-200	28	210	170	220	216	216	11	24.22	60	15	6	28	45	7	31	40	14	25	5	16	22
400W 1/2HP	3-10 (12.5~90)	22	230	148	185	176	164	11	17.65	47	12	3	22	40	7	25	35	16	30	5	18	27
		22B	230	62	170	147	147	11	17.65	47	12	-	22	40	7	25	35	16	30	5	18	27
	12.5-90 (100~200)	28	255	170	220	216	216	11	24.22	60	15	6	28	45	7	31	40	16	30	5	18	27
	100-200	32	290	185	255	241	225	13	30.22	65	15	4	32	55	10	35	50	16	30	5	18	27
750W 1HP	3-25 (30~120)	28	265	170	220	216	216	11	24.22	60	15	6	28	45	7	31	40	19	40	6	21.5	35
	30-120 (125~200)	32	300	185	255	241	225	13	30.22	65	15	4	32	55	10	35	50	19	40	6	21.5	35
1500W 2HP	3~30	32	310	185	255	241	225	13	30.22	65	15	4	32	55	10	35	50	24	50	8	27	45

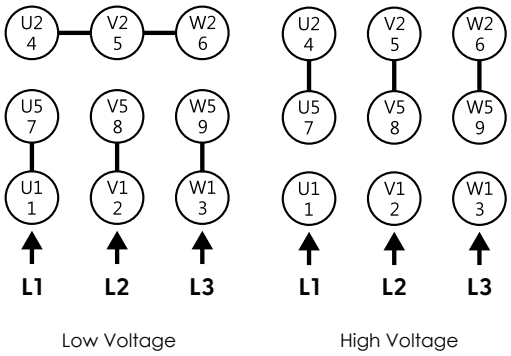
NOTES:
1 Light loading type have one year guarantee for motor only
2 Ratio showed in parenthesis ( ) are used for light loading
3 For Code 18, 22B: B type flange

WIRE DRAWING- L SERIES

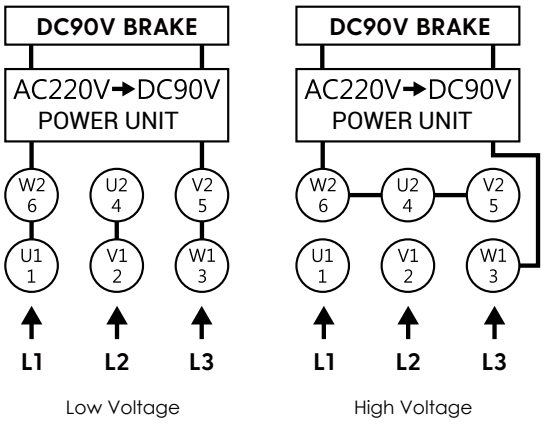
3 PHASE WITH 6 WIRES



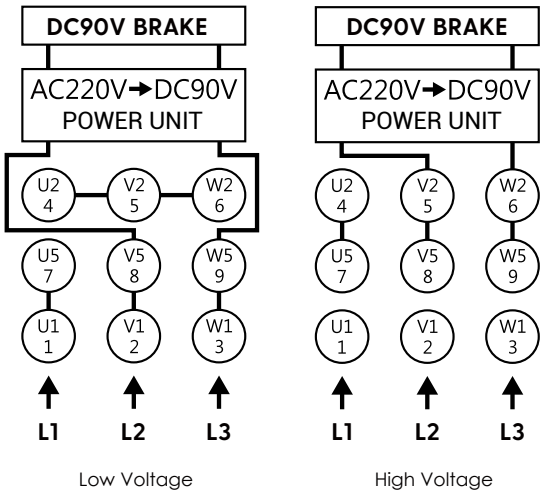
3 PHASE WITH 9 WIRES



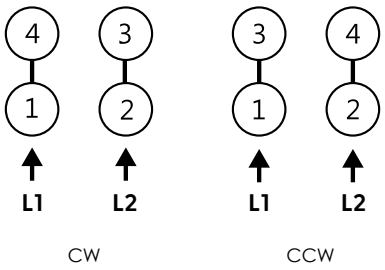
3 PHASE WITH 6 WIRES WITH BRAKE



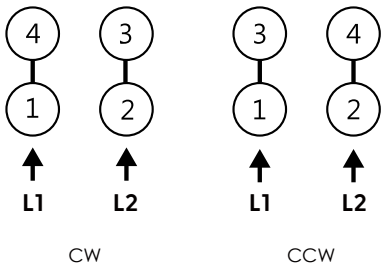
3 PHASE WITH 9 WIRES WITH BRAKE



J SERIES-1 PHASE 110V WITH 4 WIRES

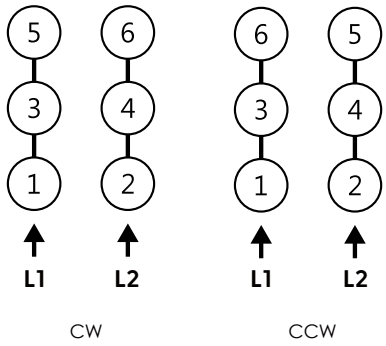


J SERIES-1 PHASE 220V WITH 4 WIRES

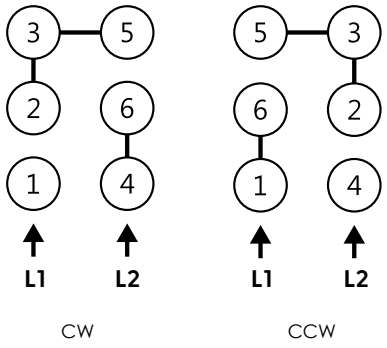


WIRE DRAWING- L SERIES

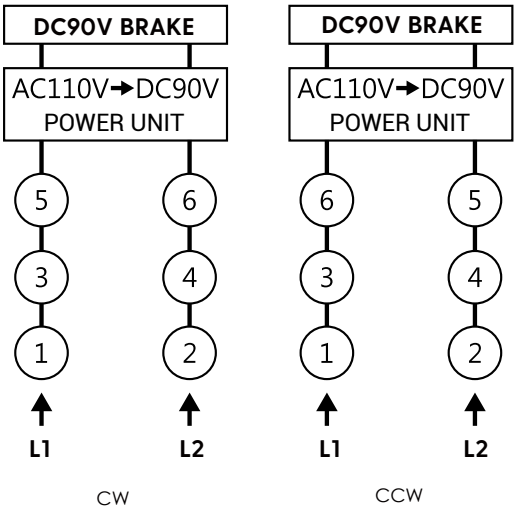
1 PHASE 110V WITH 6 WIRES



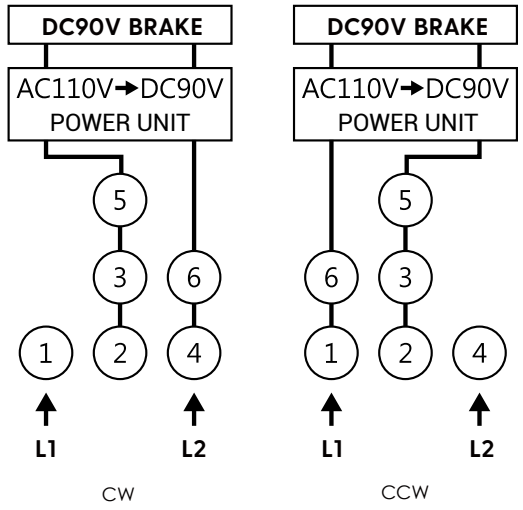
1 PHASE 220V WITH 6 WIRES



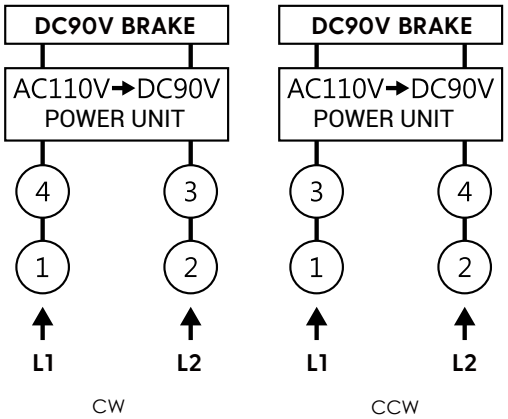
1 PHASE 110V WITH 6 WIRES WITH BRAKE



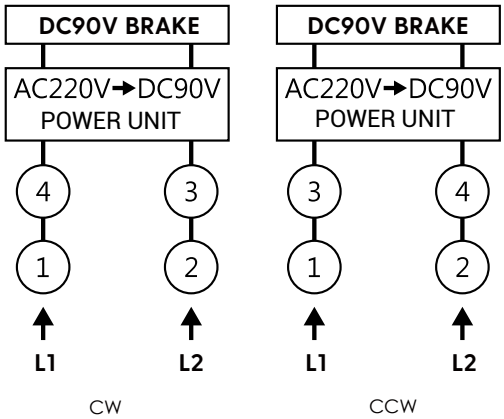
1 PHASE 220V WITH 6 WIRES WITH BRAKE



J SERIES-1 PHASE 110V WITH BRAKE



J SERIES-1 PHASE 220V WITH BRAKE



SPECIFICATION OF MOTOR AND BRAKE

PHASE	OUTPUT (W/HP)	POLE (P)	VOLTAGE (V)	FREQ. (Hz)	MOTOR RATED rpm	MOTOR RATED CURRENT (A)	MOTOR RATED TORQUE (Kg · m)	CLASS	BRAKE TORQUE (Kg · m)	RELEASE TIME AC SWITCH	RELEASE TIME DC SWITCH	ADJUST GAP SPECIFIED VALUE	ADJUST GAP BOUNDARY VALUE	WITH BRAKE BRAKE VOLTAGE	WITH BRAKE INPUT VOLTAGE	WITH BRAKE OPERATION TIMES
Three Phase 3Ø	100W(1/8 HP)	4P	220/380	50 60	1400 1700	0.71 / 0.41 0.62 / 0.36	0.069 0.058	E	0.1	0.1	0.06	0.3	0.7	DC90V	AC200-240V	10 times /min
	200W(1/4 HP)		220/380	50 60	1400 1700	1.16 / 0.67 0.99 / 0.57	0.115 0.137	E	0.2	0.07	0.03	0.3	0.7			
	400W(1/2 HP) Standard Type		220/380	50 60	1350 1670	2.03 / 1.17 1.82 / 1.05	0.28 0.24	E	0.4	0.10	0.03	0.3	0.7			
	400W(1/2 HP) Enhanced Type		220/380	50 60	1400 1700	1.80 / 1.04 1.68 / 0.97	0.27 0.23	E	0.4	0.10	0.03	0.3	0.7			
	750W(1 HP)		220/380	50 60	1400 1700	3.43 / 1.98 3.12 / 1.80	0.52 0.43	E	0.8	0.12	0.05	0.3	1.0			
	1500W(2 HP)		220/380	50 60	1400 1700	6.27 / 3.62 5.78 / 3.34	1.03 0.86	E	1.6	0.14	0.05	0.3	1.0			
	2200W(3 HP)		220/380	50 60	1400 1700	9.50 / 5.48 8.76 / 5.06	1.53 1.26	E	2.5	0.15	0.03	0.3	1.0			
	3700W(5 HP)		220/380	50 60	1400 1700	15 / 8.66 13.8 / 8	2.57 2.12	E	5.0	0.17	0.05	0.3	1.2			
Single Phase 1Ø	100W(1/8 HP)	4P	110/220	50 60	1350 1670	- / 1.14 1.84 / 1.01	0.072 0.058	E	0.1	0.1	0.06	0.3	0.7	DC90V	AC100-110V AC200-240V	10 times /min
	200W(1/4 HP)		110/220	50 60	1350 1670	- / 2 3.11 / 1.68	0.144 0.117	E	0.2	0.07	0.03	0.3	0.7			
	400W(1/2 HP)		110/220	50 60	1380 1680	- / 3.33 6.65 / 3.38	0.282 0.232	E	0.4	0.10	0.03	0.3	0.7			
	750W(1 HP)		110/220	50 60	1380 1680	- / 5.48 10.1 / 5.18	0.529 0.435	E	0.8	0.12	0.15	0.3	1.0			

OUTPUT SPECIFICATION OF GEAR MOTOR

RATIO	100W (1/8HP) TORQUE Ø	50Hz Kg · m	60Hz Kg · m	O.H.L Kg	200W (1/4HP) TORQUE Ø	50Hz Kg · m	60Hz Kg · m	O.H.L Kg	400W (1/2HP) TORQUE Ø	50Hz Kg · m	60Hz Kg · m	O.H.L Kg	750W (1HP) TORQUE Ø	50Hz Kg · m	60Hz Kg · m	O.H.L Kg	1500W (2HP) TORQUE Ø	50Hz Kg · m	60Hz Kg · m	O.H.L Kg	2200W (3HP) TORQUE Ø	50Hz Kg · m	60Hz Kg · m	O.H.L Kg	3700W (5HP) TORQUE Ø	50Hz Kg · m	60Hz Kg · m	O.H.L Kg
3		0.2	0.17	30		0.38	0.31	30		0.71	0.6	54		1.29	1.11	62		2.60	2.21	135		3.8	3.19	155		6	5.5	180
5		0.32	0.27	60	18	0.61	0.5	60	22	1.15	1	90		2.25	1.85	130		4.81	3.5	180		6.55	5.48	220	40	11	10	225
10		0.62	0.51	90		1.2	1	90		2.5	2.1	120		4.6	3.9	180		8.8	7.1	250		13.2	10.7	320		22	20	550
12.5		0.77	0.66	100		1.54	1.24	100		3.1	2.5	130	28	5.7	4.9	190		11	8.9	290		16.5	13.3	340				
15	18	0.93	0.77	100		1.85	1.5	100		3.7	2.9	140		6.9	5.8	220	32	13.2	10.7	290	40	19.8	16	360		32.6	29.8	750
20		1.2	1	120		2.47	1.99	120		4.94	4	150		9.3	7.7	240		17.6	14.2	330		26.5	21.4	410		43.6	36	830
25		1.5	1.3	130		3	2.49	130		6.17	4.9	170		11.6	9.6	250		22.1	17.8	390		33.1	26.7	480		53.9	49.5	1050
30		1.8	1.4	140		3.6	2.98	180		7.4	5.87	260		13.85	11.55	410		26.4	21.3	520		39.65	32	710	50	64.7	58.8	1000
40		2.4	2	150	22	4.94	3.99	190	28	9.88	7.98	290		17.9	14.9	430		35.3	28.5	600		53	42.8	740		86.3	78.5	1200
50		3	2.5	160		6.17	4.98	200		12.3	9.97	320		22.4	18.7	470		44.2	35.7	720		66.3	53.3	880		107	97	1350
60		3.6	3	220		7.4	5.98	220		14.8	11.9	350		26.9	22.4	560		53	42.8	720		79.5	64.2	1000		127	115	1400
70		4.3	3.6	220		7.9	6.9	220		16.5	13.6	350	32	31.7	26.5	560	40	62.6	52.1	720		92.6	77.3	1000				
75		4.6	3.7	220		9.2	7.5	220		18.5	14.9	350		35.1	28.3	560		66.3	53.5	720	50	99.4	80.3	1000				
80		4.9	4.1	220		9.4	7.9	220		18.4	15.5	350		35.4	29.8	560		70.9	59.5	720		105.1	87.7	1000				
90		5.4	4.4	250		11	8.9	250		22.1	17.8	350		42	33.95	600		79.4	64.1	720		113	94.5	1000				
100	22	6	5	250		12.3	9.9	250		24.7	19.9	350		46.8	37.8	600		88.4	71.4	720		126	105	1000				
120		7.2	6	250		14.8	11.9	340		29.6	23.9	600		58.4	47.3	720		106	85.6	1000								
150		9.1	7.4	250	28	18.4	14.8	350	32	36.9	29.8	600		70.1	56.6	720	50	132.5	107	1000								
180		11	9	250		22.2	17.9	350		44.4	35.9	600	40	84.2	68	720		132.6	107.1	1000								
200		11.9	10	250		24.7	19.9	350		49.4	39.9	600		93.6	75.6	720												

NOTES: O.H.L : Overhung Load

NORMAL RATIO & ACTUAL RATIO SHEET

STANDARD GEAR MOTOR

Code 18	1/8 HP	Norml	3	5	7.5	10	12.5	15	18	20	21.4	25	30	36	40	50	60	75	80	90	100	120	150	180	200
		Actual	3.3	5	7.5	10.8	12.7	15	17.7	20	21.4	25	29.5	36.7	40.5	50.4	60.2	73.3	--	91.7	107.6	122.2	150	165	198
	1/4 HP	Norml	3	5	7.5	10	12.5	15	18	20	21.4	25	30	36	40	50	60	75	80	90	--	--	--	--	--
		Actual	3.3	5	7.5	10.8	12.7	15	17.7	20	21.4	25	29.5	36.7	40.5	50.4	60.2	73.3	--	91.7	--	--	--	--	--
Code 22	1/8 HP	Norml	60	70	80	90	100	120	140	150	160	180	200	240	--	--	--	--	--	--	--	--	--	--	--
		Actual	63.1	68.9	75.6	92.7	103.1	120.7	131.3	143.4	157.3	192.8	215.9	239.9	--	--	--	--	--	--	--	--	--	--	--
	1/4 HP	Norml	12.5	15	18	20	25	30	40	50	60	70	80	90	100	120	140	150	160	180	200	--	--	--	--
		Actual	12.6	15.7	18.3	19.9	23.9	29.3	39.9	49.6	63.1	68.9	75.6	92.7	103.8	120.7	131.3	143.4	157.3	192.8	215.9	--	--	--	--
	1/2 HP	Norml	3	5	7.5	10	12.5	15	18	20	25	30	35	40	50	60	75	90	--	--	--	--	--	--	--
		Actual	3	5.1	7.4	10.9	12.9	15.4	--	21	26.9	31.7	--	40.7	48.9	66.6	74.9	85.1	--	--	--	--	--	--	--
	1 HP	Norml	3	5	7.5	10	12.5	15	20	25	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		Actual	3.1	5.1	7.4	10.9	12.9	15.4	21	26.9	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Code 28	1/4 HP	Norml	100	120	140	160	165	180	200	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		Actual	97.8	117.3	143.4	160	163.6	179.9	204.3	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	1/2 HP	Norml	12.5	15	18	20	25	30	40	50	60	70	80	90	100	120	140	160	165	180	200	--	--	--	--
		Actual	12.	15.6	18.8	22.9	25.6	32.6	38.4	49.3	59.1	72.3	80.6	90.7	97.8	117.3	143.4	160	163.6	179.9	204.3	--	--	--	--
	1 HP	Norml	3	5	7.5	10	12.5	15	18	20	25	30	40	50	60	75	90	100	120	--	--	--	--	--	--
		Actual	3	5	7.7	9.7	12.5	15	18.3	20.5	26.1	30	39.4	47.3	57.8	73.3	85.1	100	127.7	--	--	--	--	--	--
	2 HP	Norml	3	5	7.5	10	12.5	15	18	20	25	30	--	--	--	--	--	--	--	--	--	--	--	--	--
		Actual	3	5	7.7	9.7	12.5	15	18.3	20.5	26.1	30	--	--	--	--	--	--	--	--	--	--	--	--	--
Code 32	1/2 HP	Norml	100	120	140	150	180	200	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		Actual	109.8	129.6	137.4	155.6	171.8	194.4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	1 HP	Norml	30	40	50	60	70	80	90	100	120	125	150	180	200	--	--	--	--	--	--	--	--	--	--
		Actual	28	41	153	58.1	67.8	80	96	106	120	129.6	155.6	171.8	194.4	--	--	--	--	--	--	--	--	--	--
	2 HP	Norml	3	5	7.5	10	12.5	15	18	20	25	30	40	50	60	70	80	90	100	--	--	--	--	--	--
		Actual	3.2	5	7.9	10.4	12.1	14.3	17.2	19	25.1	28.2	41.6	48.6	57.3	68.9	76	86	107.5	--	--	--	--	--	--
Code 40	1 HP	Norml	125	140	150	180	200	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		Actual	117.2	135	150	181	201	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	2 HP	Norml	25	30	40	50	60	70	80	90	100	110	120	150	170	--	--	--	--	--	--	--	--	--	--
		Actual	25	28.8	39.1	50	57.5	67.1	78.1	87.9	97.7	112.5	125	150.9	167.6	--	--	--	--	--	--	--	--	--	--
	3 HP	Norml	3	5	10	15	20	25	30	40	45	50	60	Ø	80	90	100			--	--	--	--	--	--
		Actual	3.3	5.4	9.6	14.4	19.5	25	28.8	39.1	44.9	50	57.5	67.1	78.1	87.9	97.7			--	--	--	--	--	--
	5 HP	Norml	3	5	10	15	20	25	30	40	50	60	--	--	--	--	--	--	--	--	--	--	--	--	--
		Actual	3.3	5.4	9.6	14.4	19.5	25	28.8	39.1	50	57.5	--	--	--	--	--	--	--	--	--	--	--	--	--

HIGH RATIO GEAR MOTOR

Code 22	1/8 HP	Norml	250	300	350	450	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1800
		Actual	289.8	339.7	402.9	475.2	537.1	610.7	720.3	814.3	864.4	977.1	1043.8	1178.7	1325.4	1423.3	1498.3	1600.4	1872.9
Code 28	1/8 HP	Norml	250	300	350	450	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1800
		Actual	281.7	330.2	391.7	462	522.2	591.4	697.5	788.5	946.2	1023	1100	182.7	1297.4	1344.4	1466.7	1566.7	1833.3
	1/4 HP	Norml	250	300	350	450	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1800
		Actual	281.7	330.2	391.7	462	522.2	591.4	697.5	788.5	946.2	1023	1100	182.7	1297.4	1344.4	1466.7	1566.7	1833.3
Code 32	1/4 HP	Norml	250	300	350	450	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1800
		Actual	239.2	315.9	370.1	460	500	651.8	760.2	830.1	897.4	994.6	1050.8	1142.8	1261	1369.4	1514.3	1643.3	1814.4
	1/2 HP	Norml	250	300	350	450	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1800
		Actual	272.3	322.5	387	453.3	527.7	749.3	813.8	876.1	884.6	1021.8	1118.4	1206.2	1304.3	1447.5	1539.8	1598.3	1847.8
Code 40	1/2 HP	Norml	250	300	350	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1800
		Actual	241.5	304.3	349.9	349.9	483	608.6	699.8	781.3	895.2	998.8	1078.1	1220.7	1317.7	1464.8	1536.5	1631.9	1831.1
	1 HP	Norml	250	300	350	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1800
		Actual	243.4	312.5	359.4	359.4	511.4	588.1	716.1	799	916.7	1005.7	1098.6	1176.1	1305.6	1371.4	1500	1598	1797.8

SIDE CHANNEL RING BLOWER

INDICATION OF BLOWER

RB 40 – 5 2 0

MODEL	SIZE	OUTPUT CODE	VOLTAGE	OTHERS
RB : Side Channel Ring Blower	20	4	1 : 1Ø100-120/200-240V 50/60Hz,	0 : Standard Type /CE
	30	5	1Ø108-120/216-240V 50/60Hz, UL/CSA	U : UL / CSA Type
	40	6	9 : 1Ø108-127/208-254V 50/60Hz	
	50	7	2 : 3Ø200-240/380-440V 50/60Hz	
	60		3 : 3Ø208-240/416-480V 50/60Hz, UL/CSA	
	80		B : 3Ø200-240/345-416V 50Hz, 3Ø208-275/380-480V 60Hz	

BLOWER WITH 60Hz

MODEL	OUTPUT (Kw)	VOLTAGE (V)	PHASE	RATED CURRENT (Amps)	ULTIMATE PRESSURE (mbar)	MAX. AIRFLOW (m3/h)	NOISE LEVEL dB(A)*
RB20-510	0.28	100-120 / 200-240	1Ø	3.4-3 / 1.73-1.6	+85	66	65
RB20-520	0.28	200-240 / 380-440	3Ø	1-0.93 / 0.55-0.53	+85	66	65
RB30-510	0.42	100-120 / 200-240	1Ø	5.5-4.7 / 2.8-2.36	+110	96	68
RB30-520	0.42	200-240 / 380-440	3Ø	1.92-1.93 / 1.08-1.18	+130	96	68
RB40-510	0.9	100-120 / 200-240	1Ø	16.4-12.8 / 8.2-6.5	+160	180	72
RB40-610	1.3	100-120 / 200-240	1Ø	17.7-13.9 / 8.7-7	+180	180	72
RB40-420	0.93	200-240 / 380-440	3Ø	4.1-3.64 / 2.1-2.44	+135	180	72
RB40-520	1.15	200-240 / 380-440	3Ø	5-4.45 / 2.63-2.53	+180	180	72
RB40-620	1.5	200-240 / 380-440	3Ø	6.2-5.3 / 3.3-3.1	+230	180	72
RB50-510	1.75	100-120 / 200-240	1Ø	22.3-17.3 / 10.7-8.3	+130	252	73
RB50-520	1.75	200-240 / 380-440	3Ø	8.2-7.3 / 4.38-4.27	+200	252	73
RB50-620	2.55	200-240 / 380-440	3Ø	10-8.8 / 5.3-4.84	+250	252	73
RB60-520	2.55	200-240 / 380-440	3Ø	11.7-10.3 / 6.4-6	+220	372	78
RB60-620	3.45	200-240 / 380-440	3Ø	15.7-13.4 / 8-7.4	+270	372	78
RB60-720	4.6	200-240 / 380-440	3Ø	18.7-15.4 / 9.5-8.6	+330	372	78
RB80-4B0	4.6	208-275 / 380-480	3Ø	22.8-17.8 / 12.4-10	+230	600	79
RB80-5B0	6.3	208-275 / 380-480	3Ø	26.1-21.8 / 14.1-12.4	+280	600	79
RB80-6B0	8.6	208-275 / 380-480	3Ø	36.4-32.6 / 20.5-18.8	+450	600	79

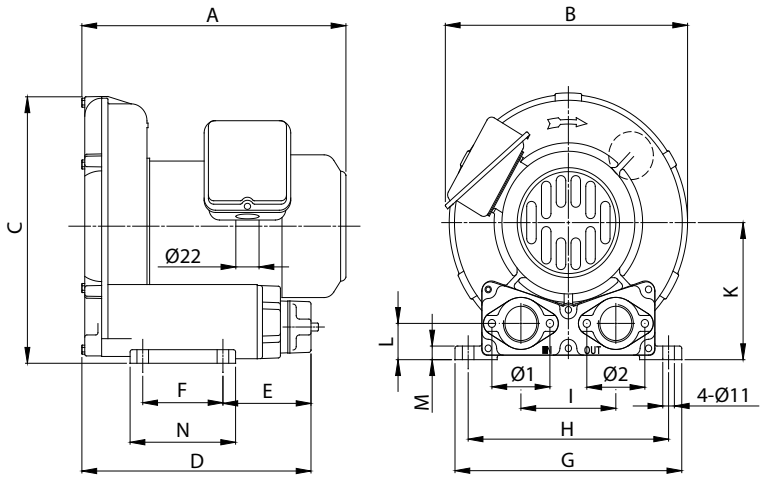
VACUUM WITH 60Hz

MODEL	OUTPUT (Kw)	VOLTAGE (V)	PHASE	RATED CURRENT (Amps)	ULTIMATE PRESSURE (mbar)	MAX. AIRFLOW (m3/h)	NOISE LEVEL dB(A)*
RB20-510	0.28	100-120 / 200-240	1Ø	3.23-2.97 / 1.68-1.58	-75	66	65
RB20-520	0.28	200-240 / 380-440	3Ø	1-0.9 / 0.53-0.52	-75	66	65
RB30-510	0.42	100-120 / 200-240	1Ø	5.1-4.34 / 2.58-2.21	-100	96	68
RB30-520	0.42	200-240 / 380-440	3Ø	1.83-1.95 / 1.06-1.17	-105	96	68
RB40-510	0.9	100-120 / 200-240	1Ø	15.81-12.35 / 7.69-6.28	-165	180	72
RB40-610	1.3	100-120 / 200-240	1Ø	17.41-13.6 / 8.42-6.84	-180	180	72
RB40-420	0.93	200-240 / 380-440	3Ø	3.97-3.53 / 2.08-2.11	-135	180	72
RB40-520	1.15	200-240 / 380-440	3Ø	4.75-4.31 / 2.61-2.55	-180	180	72
RB40-620	1.5	200-240 / 380-440	3Ø	5.66-5 / 3-2.91	-210	180	72
RB50-510	1.75	100-120 / 200-240	1Ø	22.4-17.4 / 10.3-8.3	-150	252	73
RB50-520	1.75	200-240 / 380-440	3Ø	7.4-6.77 / 4-3.99	-200	252	73
RB50-620	2.55	200-240 / 380-440	3Ø	8.55-7.7 / 4.6-4.45	-240	252	73
RB60-520	2.55	200-240 / 380-440	3Ø	11.6-9.9 / 6-5.6	-220	372	78
RB60-620	3.45	200-240 / 380-440	3Ø	13.7-12 / 7.1-6.7	-270	372	78
RB60-720	4.6	200-240 / 380-440	3Ø	15.9-13.3 / 8.2-7.6	-320	372	78
RB80-4B0	4.6	208-275 / 380-480	3Ø	22.8-17.6 / 12.5-10.1	-250	600	79
RB80-5B0	6.3	208-275 / 380-480	3Ø	25.5-21.7 / 13.7-12.3	-315	600	79
RB80-6B0	8.6	208-275 / 380-480	3Ø	25.3-26 / 14.6-14.3	-350	600	79

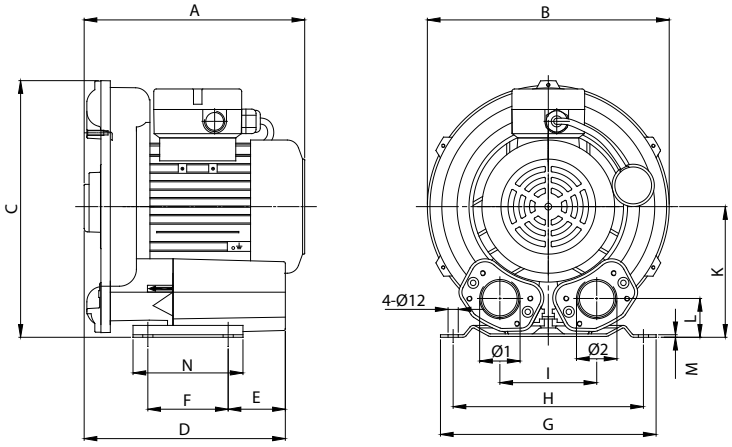
* Blower/ Vacuum open/ 4 points & 1 meter distance tes.

SPECIFICATION OF BLOWER

RB20-.../RB30-...



RB40-...

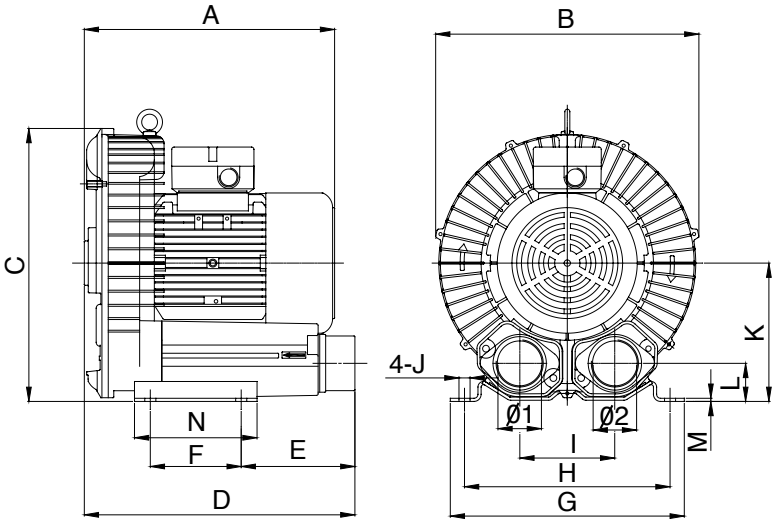


DIMENSION (mm)

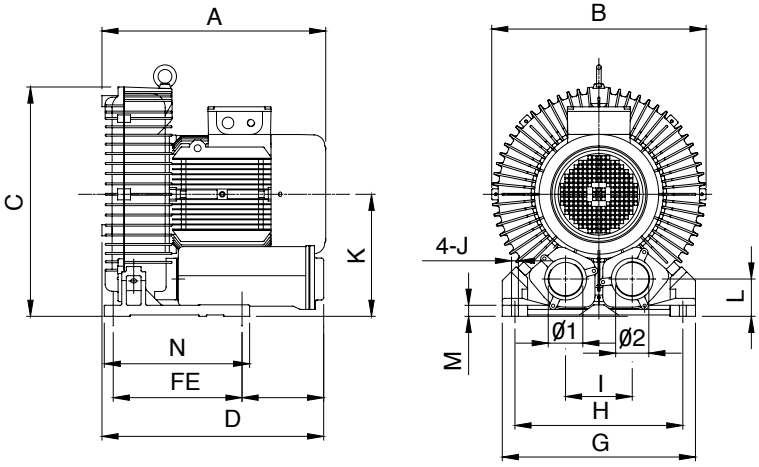
MODEL	A	B	C	D	E	F	G	H	I	K	L	M	N	Ø1	Ø2
RB20-5...	225	236	238	218	87	76	212	190	90	120	34	12	100	G1"	G1"
RB30-5...	256	255	257	262	117	83	230	205	100	130	38	12	110	G1 1/4"	G1 1/4"
RB40-4...	261	286	303	238	68	95	255	225	115	154	46	3	130	G1 1/2"	G1 1/2"
RB40-5...	261	286	303	238	68	95	255	225	115	154	46	3	130	G1 1/2"	G1 1/2"
RB40-6...	281	286	303	238	68	95	255	225	115	154	46	3	130	G1 1/2"	G1 1/2"

SPECIFICATION OF BLOWER

RB50-.../RB60-...

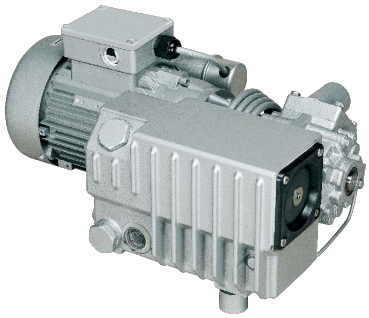


RB80-...



DIMENSION (mm)

MODEL	A	B	C	D	E	F	G	H	I	J	K	L	M	N	Ø1	Ø2
RB50-...	317	333	345	342	142	115	296	260	120	14	175	48	4	155	G2"	G2"
RB60-...	364	382	383	380	130	140	325	290	125	15	197	53	4.5	180	G2"	G2"
RB80-...	487	466	498	482	178	280	420	365	145	15	265	91	24	316	G2 1/2"	G2 1/2"
RB80-...-Z	482	466	474	468	183	170	394	356	152	15	241	66	6	217	G2 1/2"	G2 1/2"



ROTARY VANE VACUUM PUMP

INDICATION OF VACUUM PUMP

CP 10 5 – 1 0

MODEL	OUTPUT	ULTIMATE PRESSURE	VOLTAGE	OTHER
CP: Rotary Vane Vacuum Pump	08: 1/2HP (0.35 / 0.45Kw) 10: 1HP (0.76 / 0.93Kw) 20: 2HP (1.10 / 1.50Kw) 30: 3HP (1.50 / 2.20Kw) 40: 4HP (3.00 / 3.45Kw)	4: 20 mbar (Continuous Type*1) 5: 2 mbar (For CP10) 6: 0.5 mbar (CP20 Above)	1: 1Ø 100-120 / 200-240V, 50/60Hz 5: 1Ø 200-240V, 50/60Hz 2: 3Ø 200-240 / 380-440V, 50/60Hz	0: CE/ Standard Type

VACUUM WITH 50Hz

MODEL	OUTPUT (Kw)	VOLTAGE (V)	PHASE	RATED CURRENT (Amps)	ULTIMATE PRESSURE*2 (mbar)	MAX. PUMP SPEED (m3/h)	NOISE LEVEL*3 dB(A)	TYPE
CP08 - 573	0.35	220-240V	1Ø	2.4	2	8	59	Normal
CP08 - 5M3	0.35	110V	1Ø	5.5	2	8	60	Normal
CP08 - 5I3	0.35	100V	1Ø	4.4	2	8	60	Normal
CP10 - 410	0.76	100-120 / 200-240V	1Ø	7.5-12.2/4-6.8	20	20	72	Continuous
CP10 - 510	0.76	100-120 / 200-240V	1Ø	7.5-12.2/4-6.8	2	20	72	Normal
CP10 - 450	0.76	200-240V	1Ø	4-6.8	20	20	72	Continuous
CP10 - 550	0.76	200-240V	1Ø	4-6.8	2	20	72	Normal
CP10 - 420	0.76	200-240 / 380-440V	3Ø	2.5-2.9/1.5-1.9	20	20	72	Continuous
CP10 - 520	0.76	200-240 / 380-440V	3Ø	2.5-2.9/1.5-1.9	2	20	72	Normal
CP20 - 420	1.1	200-240 / 380-440V	3Ø	5.4-6.4/3.4-4.2	20	40	70	Continuous
CP20 - 620	1.1	200-240 / 380-440V	3Ø	5.4-6.4/3.4-4.2	0.5	40	70	Normal
CP30 - 420	1.5	200-240 / 380-440V	3Ø	6.1-7.6/3.8-5.5	20	63	74	Continuous
CP30 - 620	1.5	200-240 / 380-440V	3Ø	6.1-7.6/3.8-5.5	0.5	63	74	Normal
CP40 - 420	3	200-240 / 380-440V	3Ø	6.5-8/4.5-5.2	20	100	74	Continuous
CP40 - 620	3	200-240 / 380-440V	3Ø	6.5-8/4.5-5.2	0.5	100	74	Normal

VACUUM WITH 60Hz

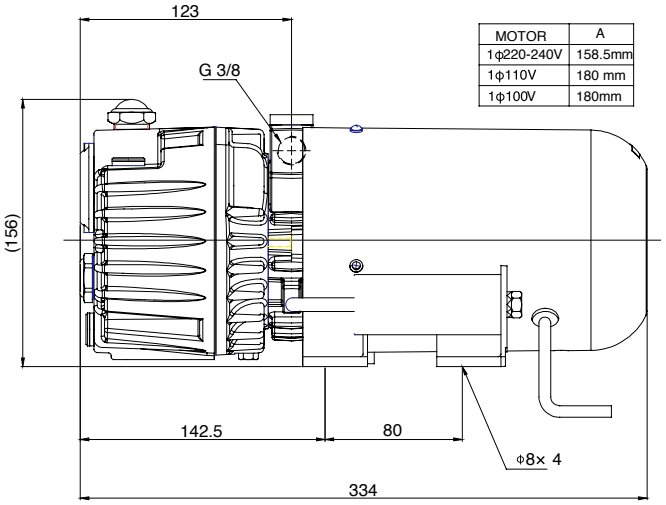
MODEL	OUTPUT (Kw)	VOLTAGE (V)	PHASE	RATED CURRENT (Amps)	ULTIMATE PRESSURE*2 (mbar)	MAX. PUMP SPEED (m3/h)	NOISE LEVEL*3 dB(A)	TYPE
CP08 - 573	0.45	220-240V	1Ø	2.5	2	9.6	63	Normal
CP08 - 5M3	0.45	110V	1Ø	6.2	2	9.6	64	Normal
CP08 - 5I3	0.45	100V	1Ø	6.8	2	9.6	64	Normal
CP10 - 410	0.92	100-120 / 200-240V	1Ø	9.8-9.0 / 5.3-4.8	20	24	72	Continuous
CP10 - 510	0.92	100-120 / 200-240V	1Ø	9.8-9.0 / 5.3-4.8	2	24	72	Normal
CP10 - 450	0.92	200-240V	1Ø	4.6-4	20	24	72	Continuous
CP10 - 550	0.92	200-240V	1Ø	4.6-4	2	24	72	Normal
CP10 - 420	0.92	200-240 / 380-440V	3Ø	2.7-2.5 / 1.6-1.5	20	24	72	Continuous
CP10 - 520	0.92	200-240 / 380-440V	3Ø	2.7-2.5 / 1.6-1.5	2	24	72	Normal
CP20 - 420	1.5	200-240 / 380-440V	3Ø	5.2-5.5 / 3.0-3.2	20	48	74	Continuous
CP20 - 620	1.5	200-240 / 380-440V	3Ø	5.2-5.5 / 3.0-3.2	0.5	48	74	Normal
CP30 - 420	2.2	200-240 / 380-440V	3Ø	5.4-6.3 / 3.1-3.9	20	76	76	Continuous
CP30 - 620	2.2	200-240 / 380-440V	3Ø	5.4-6.3 / 3.1-3.9	0.5	76	76	Normal
CP40 - 420	3.5	200-240 / 380-440V	3Ø	6.6-6.8 / 3.8-4.2	20	120	76	Continuous
CP40 - 620	3.5	200-240 / 380-440V	3Ø	6.6-6.8 / 3.8-4.2	0.5	120	76	Normal

* 1: Continuous type can abstract the air successively under normal air pressure environment.
2: Inlet flange pressure.
3: db(A) value gets from 4 points & 1 meter distance test.

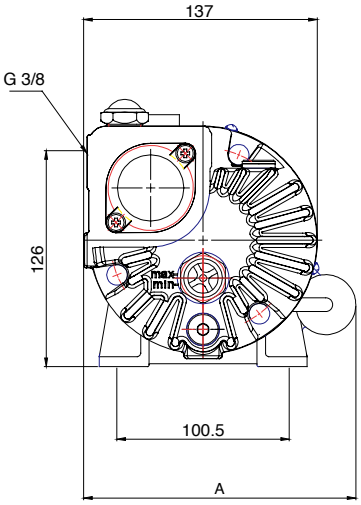
- Environment temperature 5℃ -40℃ .
- Prohibited to apply for drawing high-acid substance or high-corrosive gas.

VACUUM PUMP DRAWINGS

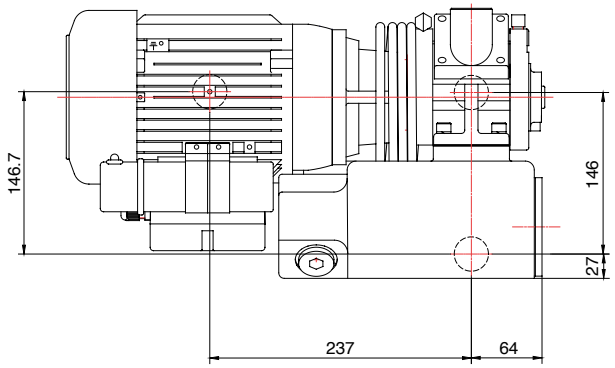
CP08

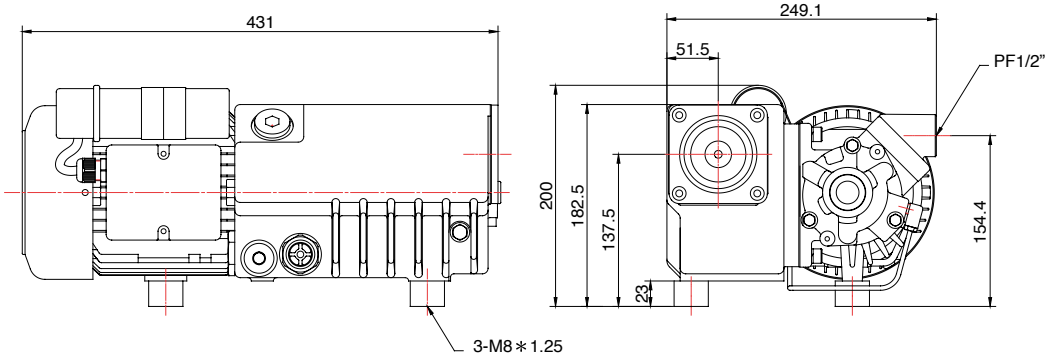


MOTOR	A
1φ220-240V	158.5mm
1φ110V	180 mm
1φ100V	180mm

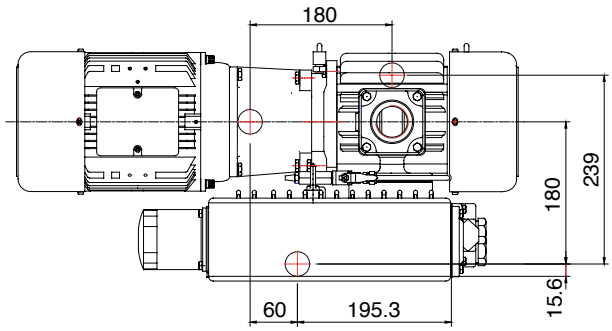


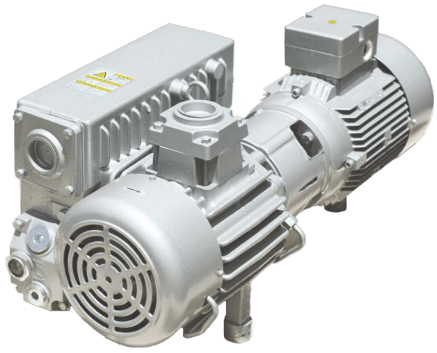
CP10

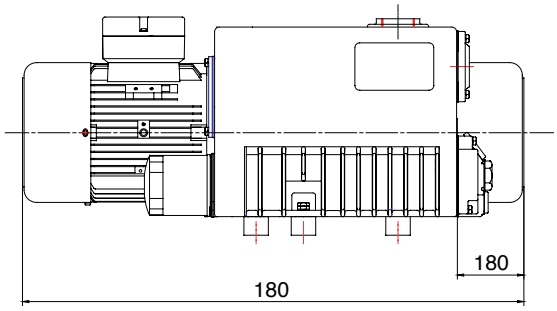


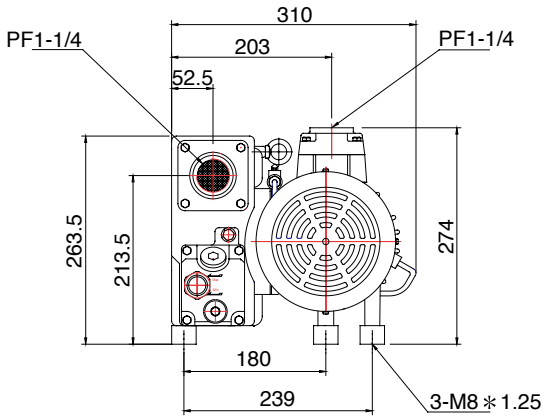


CP20

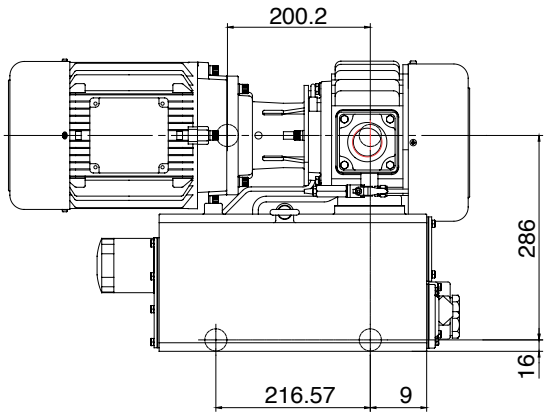

180
180
239
60
195.3
15.6

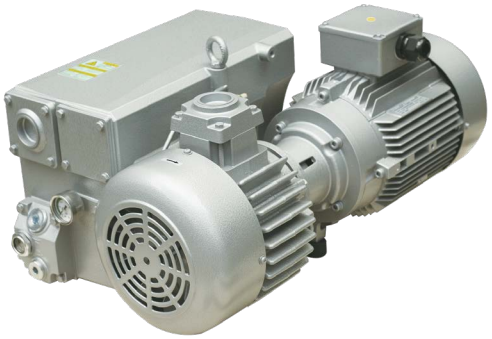


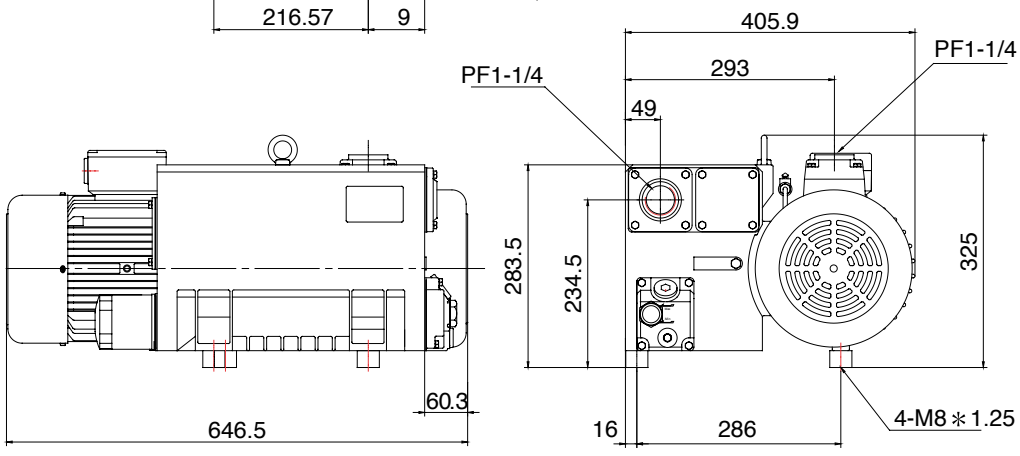

180
180


310
PF1-1/4
203
PF1-1/4
52.5
263.5
213.5
274
180
239
3-M8＊1.25

CP30


200.2
286
16
216.57
9




405.9
PF1-1/4
293
PF1-1/4
49
283.5
234.5
325
60.3
646.5
16
286
4-M8＊1.25

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