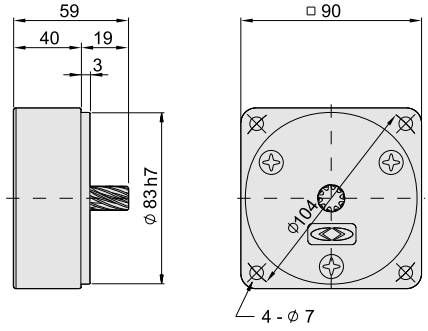
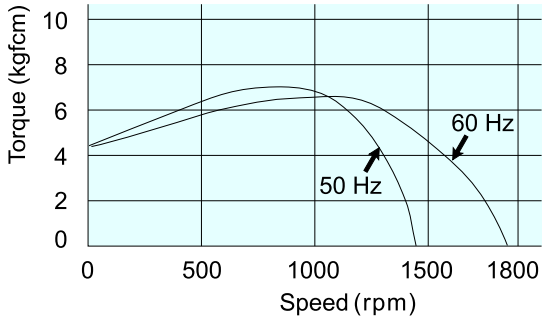
Decimal Gear Head

G-5U10X-K

Speed - Torque Curve

M-5IK60 $\begin{matrix}N\\U\end{matrix}$ -AF



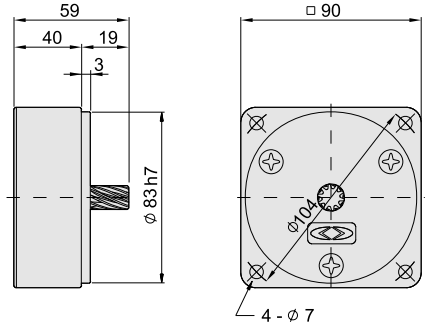


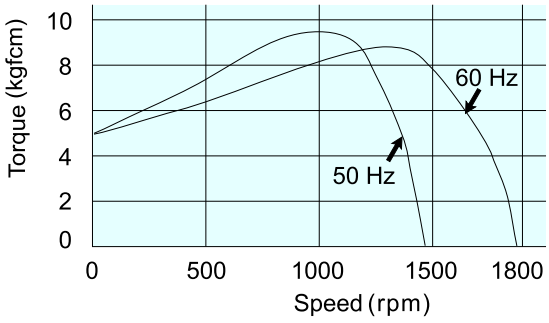
Decimal Gear Head

G-5U10X-K

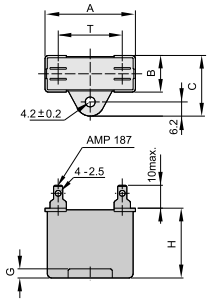
Speed - Torque Curve

M-5IK90U-AF



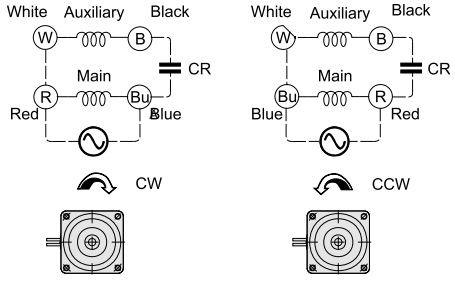


■ Dimensions and Specifications - Capacitor



Capacitor uF(V)	A	B	C	H	G	T	Max.Temp
16(250V)	50	22	32	35	4.5	32	60°C
4(450V)	50	22	32	35	4.5	32	70°C
20(250V)	50	22	32	35	4.5	32	60°C
5(450V)	50	22	32	35	4.5	32	70°C

■ Wiring Diagram



■ Gearhead - Max. Permissible Torque

Dark area: the rotating direction of motor shaft rotates in the same direction as the shaft of gearhead.
Shallow area the rotating direction of motor shaft is opposite to the direction of the shaft of gearhead.

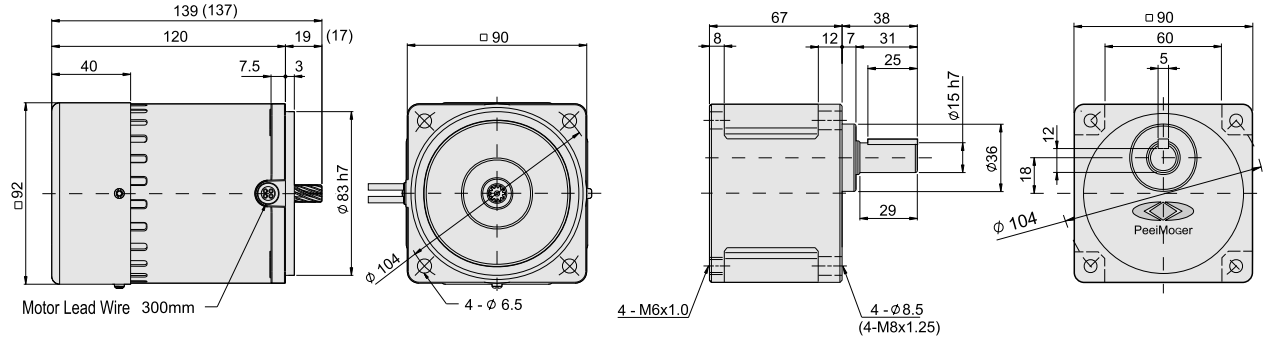
Model	Speed (rpm)	With Decimal Gearhead																						
	Gear Ratio 50Hz / 60Hz	500	300	200	180	150	120	100	90	75	60	50	30	20	15	10	9	7.5	6	5	3	2	1.5	1
		3 / 3.6	5 / 6	7.5 / 9	- / 10	10 / -	12.5 / 15	15 / 18	- / 20	20 / -	25 / 30	30 / 36	50 / 60	75 / 90	100 / 120	150 / 180	- / 200	200 / -	250 / 300	300 / 360	500 / 600	750 / 900	1000 / 1200	1500 / 1800
G-5N□- K L	Max. Allowable Torque (kgfcm)	6.7	11	16	18	23	28	33	36	45	54	65	100	100	100	100	100	100	100	100	100	100	100	100
G-5U□- K		10	16	24	27	32	40	48	54	64	77	93	155	200	200	200	200	200	200	200	200	200	200	200
G-5U□- KH		-	-	-	-	-	-	-	-	-	-	-	155	226	300	300	300	300	-	-	300	300	300	300
G-5U□- K	Max. Allowable Torque (kgfcm)	14	23	35	38	46	58	69	77	92	111	133	216	200	200	200	200	200	200	200	200	200	200	200
G-5U□- KH		-	-	-	-	-	-	-	-	-	-	-	216	300	300	300	300	300	-	-	300	300	300	300

■ Single Phase Induction Motor

Frame **5** Output **60W**

Motor: M-5IK60-$\frac{N}{U}$□□

Gear Head: G-5U□-K

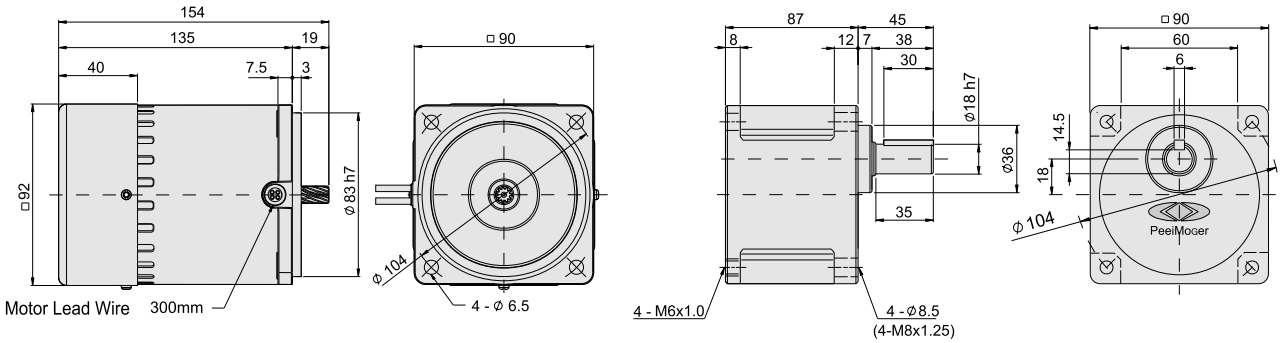


● ( )The dimension of Parenthesis is N model gear shaft and the dimension of applied Gearhead ,as G-5N□-K/L

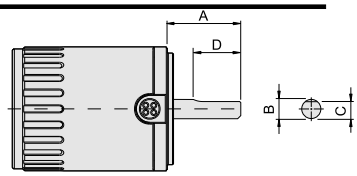
Frame **5** Output **90W**

Motor: M-5IK90U-□□

Gear Head: G-5U□-KH (Developing)

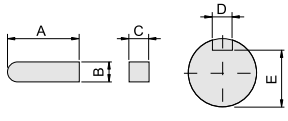


■ Dimensions - Motor, Round Shaft



Model	A	B	C	D
M-5IK60A-□□	37	ø12 h7	11 $^{0}_{-0.15}$	30
M-5IK90A-□□	37	ø12 h7	11 $^{0}_{-0.15}$	30

■ Dimensions - Key & Keyway



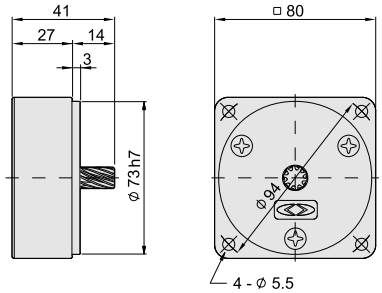
Model	A	B	C	D	E
G-5U□- K	25	5 $^{0}_{-0.030}$	5 $^{0}_{-0.030}$	5 $^{+0.050}_{+0}$	12 $^{0}_{-0.15}$
G-5U□- KH	30	6 $^{0}_{-0.030}$	6 $^{0}_{-0.030}$	6 $^{+0.050}_{+0}$	14.5 $^{0}_{-0.15}$

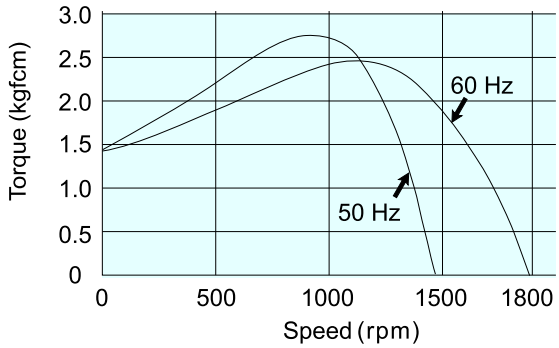
■ Specifications - Motor

Model	Poles	Output (W)	Voltage (V)	Frequency (Hz)	Duty	Rated Load Current (A)	Rated Load Speed (r p m)	Rated Load Torque (kgfcm)	Starting Current (A)	Starting Torque (kgfcm)	Capacitor uF(V)	Applied Gearhead Type: Metal Bearing	Ball Bearing	Decimal Gearhead
M-5IK60$\frac{N}{U}$-AF	4	60	110	50	CONT.	1.04	1250	4.3	2.2	4.5	16(250V)	G-5N□-L -	G-5N□-K G-5U□-K G-5U□-KH	G-5N10X-K G-5U10X-K G-5U10X-K
				60		1.06	1550	3.8	2.2	4.5				
M-5IK60$\frac{N}{U}$-AF	4	60	220	50	CONT.	0.55	1250	4.9	1.1	4.5	4(450V)			
				60		0.54	1550	4.2	1.1	4.5				
M-5IK90U-AF	4	90	110	50	CONT.	1.60	1325	6.5	3.4	4.8	20(250V)	-	G-5U□-K G-5U□-KH	G-5U10X-K G-5U10X-K
				60		1.70	1625	5.3	3.1	4.8				
M-5IK90U-CF	4	90	220	50	CONT.	0.80	1325	6.5	1.7	4.8	5(450V)			
				60		0.85	1625	5.3	1.6	4.8				

Decimal Gear Head

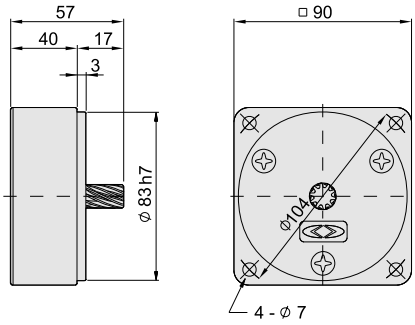
G-4N10X-K

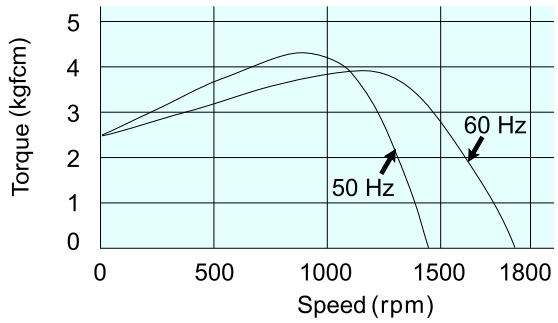




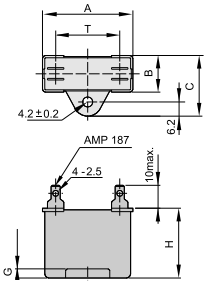
Decimal Gear Head

G-5N10X-K



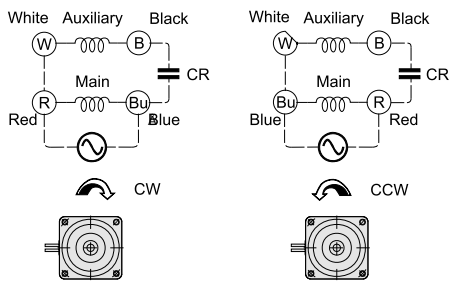


■ Dimensions and Specifications - Capacitor



Capacitor uF(V)	A	B	C	H	G	T	Max.Temp
6(250V)	38	20	30	29	5	22	60°C
1.5(450V)	38	20	30	29	5	22	70°C
8(250V)	38	20	30	29	5	22	60°C
2(450V)	38	20	30	29	5	22	70°C

■ Wiring Diagram



■ Gearhead - Max. Permissible Torque

Dark area: the rotating direction of motor shaft rotates in the same direction as the shaft of gearhead.
Shallow area the rotating direction of motor shaft is opposite to the direction of the shaft of gearhead.

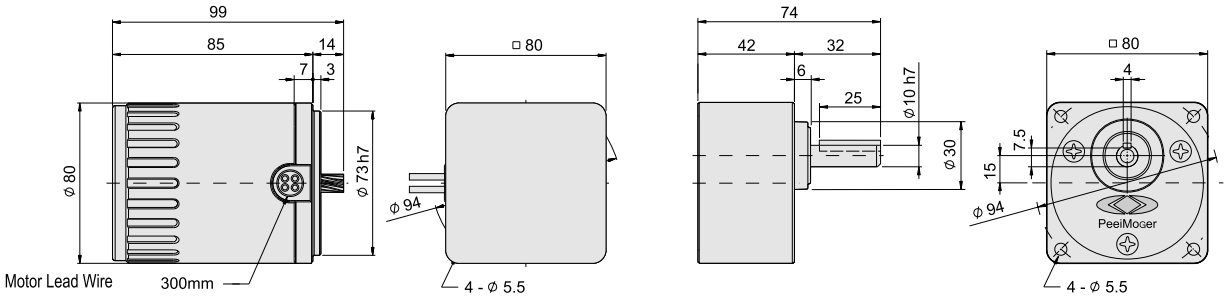
Model	Speed (rpm)	500	300	200	180	150	120	100	90	75	60	50	30	20	15	10	With Decimal Gearhead 9	7.5	6	5	3	2	1.5	1
	Gear Ratio 50Hz	3	5	7.5	-	10	12.5	15	-	20	25	30	50	75	100	150	-	200	250	300	500	750	1000	1500
	Gear Ratio 60Hz	3.6	6	9	10	-	15	18	20	-	30	36	60	90	120	180	200	-	300	360	600	900	1200	1800
G-4N□-K L	Max. Allowable Torque (kgfcm)	4.0	6.7	10	11	13	16	20	21	26	32	39	65	80	80	80	80	80	80	80	80	80	80	80
G-5N□-K L	Max. Allowable Torque (kgfcm)	6.7	11	16	18	23	28	33	36	45	54	65	100	100	100	100	100	100	100	100	100	100	100	100

■ Single Phase Induction Motor

Frame **4** Output **25W**

Motor: M-4IK25N-□□

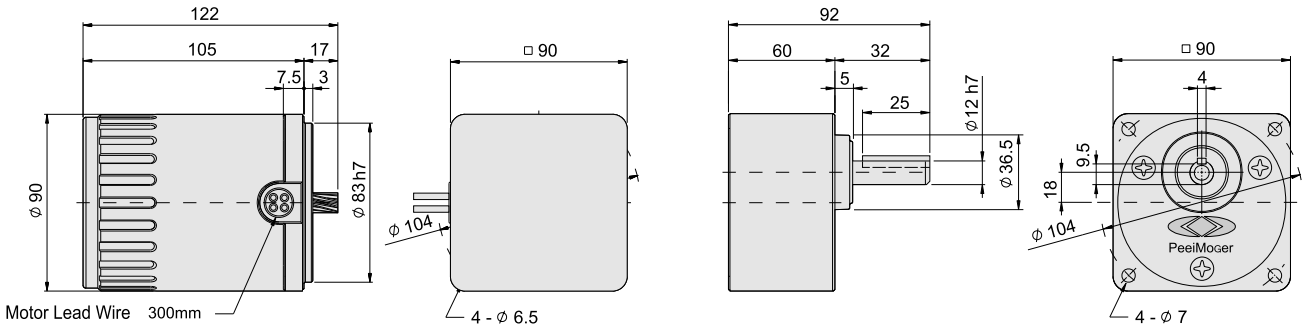
Gear Head: G-4N□-K/L



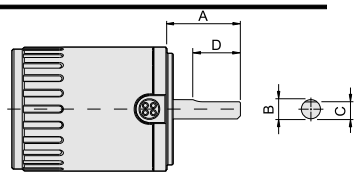
Frame **5** Output **40W**

Motor: M-5IK40N-□□

Gear Head: G-5N□-K/L

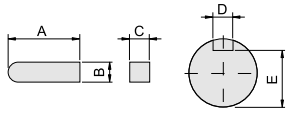


■ Dimensions - Motor, Round Shaft



Model	A	B	C	D
M-4IK25A-□□	32	ø8 h7	7 $^{0}_{-0.15}$	25
M-5IK40A-□□	37	ø10 h7	9 $^{0}_{-0.15}$	30

■ Dimensions - Key & Keyway



Model	A	B	C	D	E
G-4N□-K/L	25	4 $^{0}_{-0.030}$	4 $^{0}_{-0.030}$	4 $^{+0.060}_{+0.010}$	7.5 $^{0}_{-0.15}$
G-5N□-K/L	25	4 $^{0}_{-0.030}$	4 $^{0}_{-0.030}$	4 $^{+0.060}_{+0.010}$	9.5 $^{0}_{-0.15}$

■ Specifications - Motor

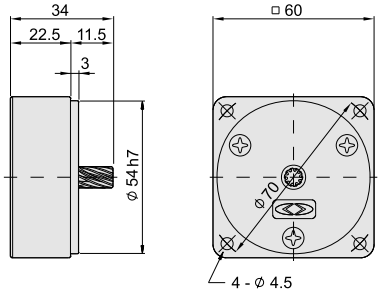
Model	Poles	Output (W)	Voltage (V)	Frequency (Hz)	Duty	Rated Load Current (A)	Rated Load Speed (r p m)	Rated Load Torque (kgfcm)	Starting Current (A)	Starting Torque (kgfcm)	Capacitor uF(V)	Applied Gearhead Type: Metal Bearing	Ball Bearing	Decimal Gearhead
M-4IK25N-A	4	25	110	50	CONT.	0.57	1250	1.8	1.20	1.4	6(250V)	G-4N□-L	G-4N□-K	G-4N10X-K
				60		0.49	1500	1.8	0.91	1.4				
M-4IK25N-C	4	25	220	50	CONT.	0.28	1250	1.8	0.60	1.4	1.5(450V)			
				60		0.24	1625	1.5	0.55	1.4				
M-5IK40N-A	4	40	110	50	CONT.	0.93	1250	3.3	1.60	2.4	8(250V)	G-5N□-L	G-5N□-K	G-5N10X-K
				60		0.74	1575	2.7	1.50	2.4				
M-5IK40N-C	4	40	220	50	CONT.	0.32	1270	3.1	0.80	2.4	2(450V)			
				60		0.31	1590	2.5	0.75	2.4				

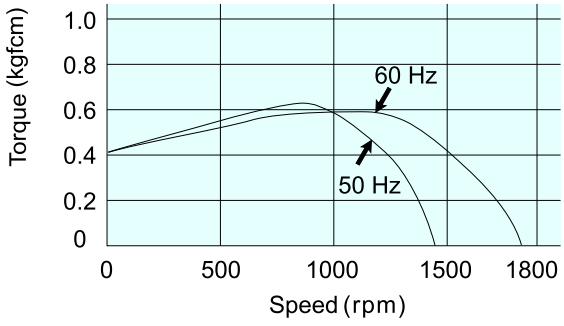
Decimal Gear Head

G-2N10X-K

Speed - Torque Curve

M-2IK6N-A



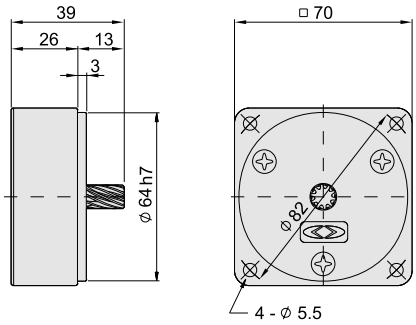


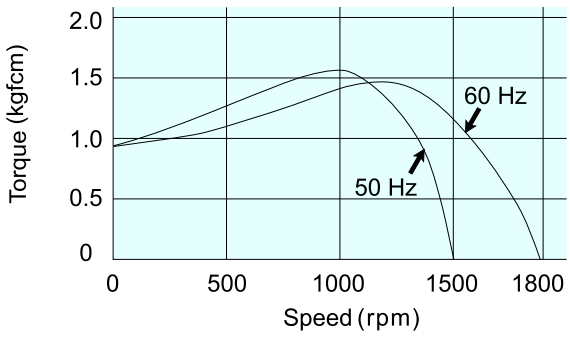
Decimal Gear Head

G-3N10X-K

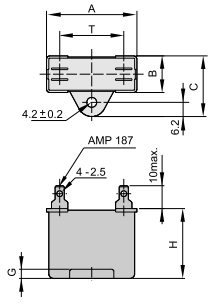
Speed - Torque Curve

M-3IK15N-A



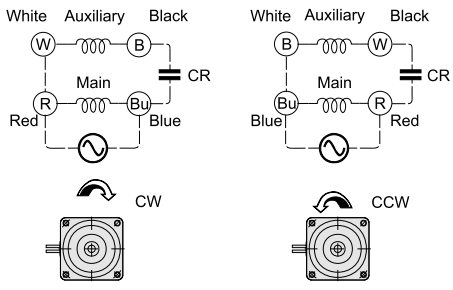


■ Dimensions and Specifications - Capacitor



Capacitor uF(V)	A	B	C	H	G	T	Max.Temp
2.5(250V)	32	13	23	21	4	17	60°C
0.8(450V)	37	12.5	22.5	22	5	22	70°C
4(250V)	32	13	23	21	4	17	60°C
1(450V)	37	12.5	22.5	22	5	22	70°C

■ Wiring Diagram



■ Gearhead - Max. Permissible Torque

Dark area: the rotating direction of motor shaft rotates in the same direction as the shaft of gearhead.
Shallow area the rotating direction of motor shaft is opposite to the direction of the shaft of gearhead.

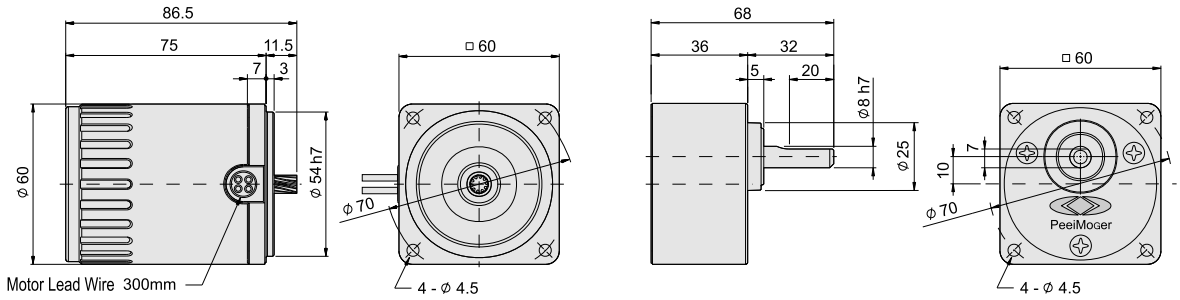
Model	Speed (rpm)	With Decimal Gearhead																						
	Gear Ratio 50Hz / 60Hz	500	300	200	180	150	120	100	90	75	60	50	30	20	15	10	9	7.5	6	5	3	2	1.5	1
		3 / 3.6	5 / 6	7.5 / 9	- / 10	10 / -	12.5 / 15	15 / 18	- / 20	20 / -	25 / 30	30 / 36	50 / 60	75 / 90	100 / 120	150 / 180	- / 200	200 / -	250 / 300	300 / 360	500 / 600	750 / 900	1000 / 1200	1500 / 1800
G-2N□-K / L	Max. Allowable Torque (kgfcm)	1.0	1.6	2.5	2.7	3.4	4.1	5.0	5.4	6.7	8.1	9.7	16	23	25	25	25	25	25	25	25	25	25	25
G-3N□-K / L	Max. Allowable Torque (kgfcm)	2.4	4.0	6.0	6.7	8.2	10	12	13	16	19	23	39	50	50	50	50	50	50	50	50	50	50	50

■ Single Phase Induction Motor

Frame **2** Output **6W**

Motor
M-2IK6N-□□

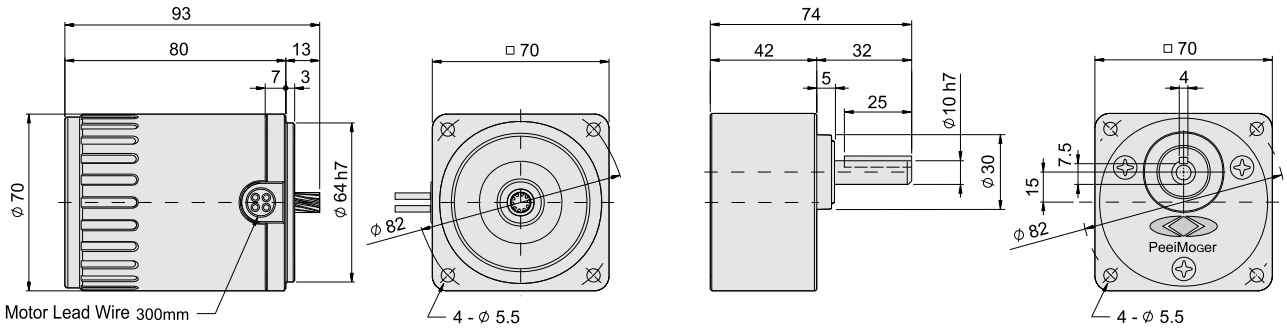
Gear Head
G-2N□-K/L



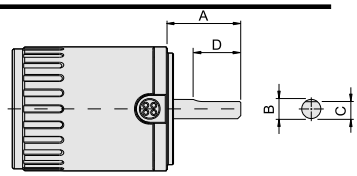
Frame **3** Output **15W**

Motor
M-3IK15N-□□

Gear Head
G-3N□-K/L

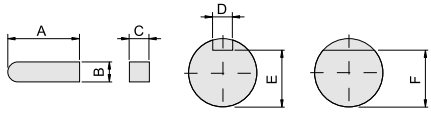


■ Dimensions - Motor, Round Shaft



Model	A	B	C	D
M-2IK6A-□□	24	ϕ6 h7	5.5 $^{0}_{-0.15}$	20
M-3IK15A-□□	32	ϕ6 h7	5.5 $^{0}_{-0.15}$	25

■ Dimensions - Key & Keyway



Model	A	B	C	D	E	F
G-2N□-K/L	—	—	—	—	—	7 $^{0}_{-0.15}$
G-3N□-K/L	25	4 $^{0}_{-0.030}$	4 $^{0}_{-0.030}$	4 $^{+0.060}_{+0.010}$	7.5 $^{0}_{-0.15}$	—

■ Specifications - Motor

Model	Poles	Output (W)	Voltage (V)	Frequency (Hz)	Duty	Rated Load Current (A)	Rated Load Speed (r p m)	Rated Load Torque (kgfcm)	Starting Current (A)	Starting Torque (kgfcm)	Capacitor uF(V)	Applied Gearhead Type: Metal Bearing	Ball Bearing	Decimal Gearhead
M-2IK6N-A	4	6	110	50	CONT.	0.27	1200	0.61	0.42	0.41	2.5(250V)	G-2N□-L	G-2N□-K	G-2N10X-K
				60		0.25	1550	0.52	0.41	0.41				
M-2IK6N-C	4	6	220	50	CONT.	0.14	1200	0.49	0.21	0.41	0.8(450V)			
				60		0.13	1550	0.43	0.21	0.41				
M-3IK15N-A	4	15	110	50	CONT.	0.36	1300	1.10	0.63	0.90	4(250V)	G-3N□-L	G-3N□-K	G-3N10X-K
				60		0.34	1600	0.90	0.59	0.90				
M-3IK15N-C	4	15	220	50	CONT.	0.18	1300	1.10	0.31	0.90	1(450V)			
				60		0.17	1600	0.90	0.30	0.90				