

Single Phase Induction Motor

Frame

4

Motor

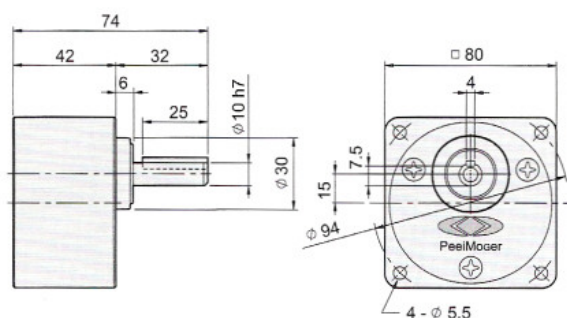
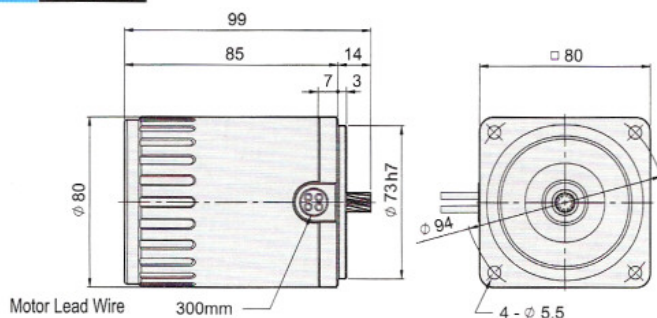
M-4IK25N-□□

Output

25W

Gear Head

G-4N□- $\begin{matrix} K \\ L \end{matrix}$



Frame

5

Motor

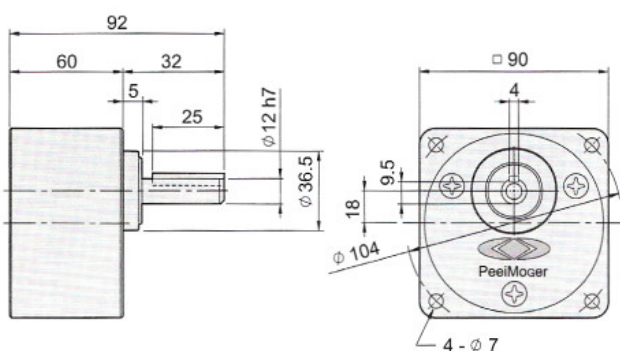
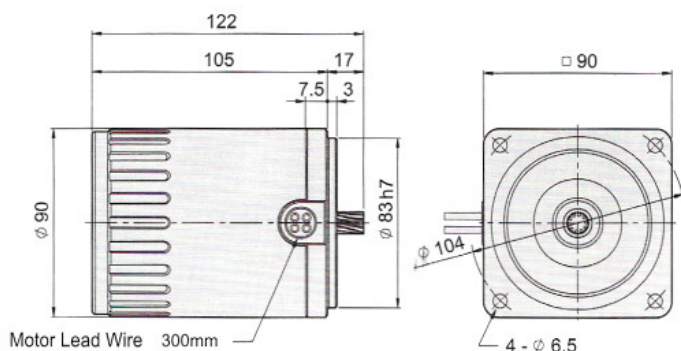
M-5IK40N-□□

Output

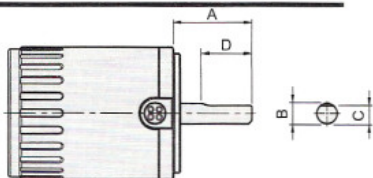
40W

Gear Head

G-5N□- $\begin{matrix} K \\ L \end{matrix}$

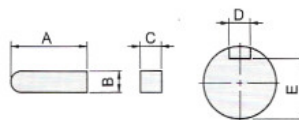


Dimensions - Motor, Round Shaft



Model	A	B	C	D
M-4IK25A-□□	32	φ8 h7	7 ⁰ _{-0.15}	25
M-5IK40A-□□	37	φ10 h7	9 ⁰ _{-0.15}	30

Dimensions - Key & Keyway



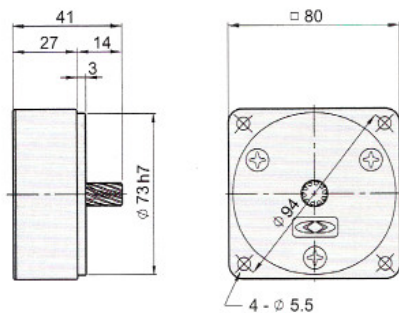
Model	A	B	C	D	E
G-4N□- $\begin{matrix} K \\ L \end{matrix}$	25	4 ⁰ _{-0.030}	4 ⁰ _{-0.030}	4 ^{+0.060} _{+0.010}	7.5 ⁰ _{-0.15}
G-5N□- $\begin{matrix} K \\ L \end{matrix}$	25	4 ⁰ _{-0.030}	4 ⁰ _{-0.030}	4 ^{+0.060} _{+0.010}	9.5 ⁰ _{-0.15}

Specifications - Motor

Model	Poles	Output (W)	Voltage (V)	Frequency (Hz)	Duty	Rated Load			Starting Current (A)	Starting Torque (kgfcm)	Capacitor uF(V)	Applied Gearhead Type		
						Current (A)	Speed (r.p.m)	Torque (kgfcm)				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)	G-5N□-L	G-5N□-K	G-5N10X-K
				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)	G-5N□-L	G-5N□-K	G-5N10X-K
				60		0.31	1590	2.5	0.75	2.4				

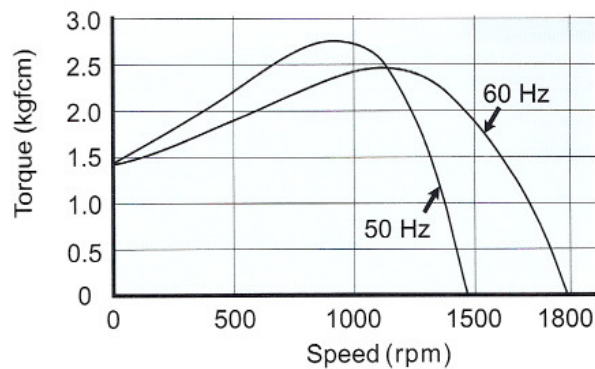
Decimal Gear Head

G-4N10X-K



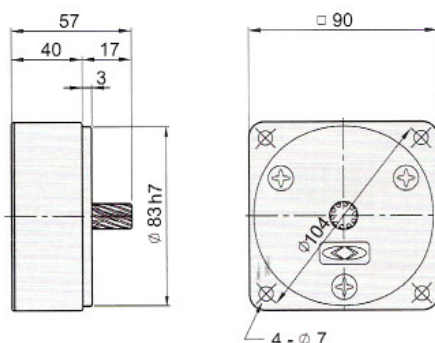
Speed - Torque Curve

M-4IK25N-A



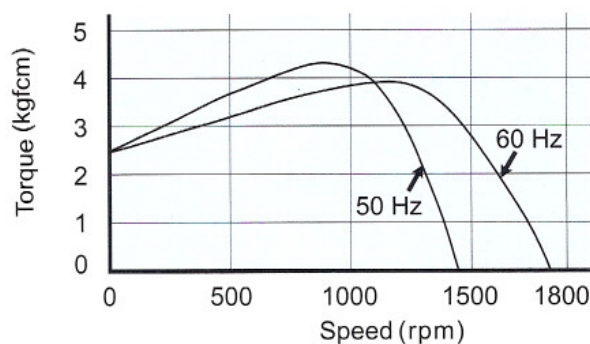
Decimal Gear Head

G-5N10X-K

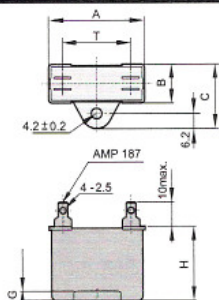


Speed - Torque Curve

M-5IK40N-A

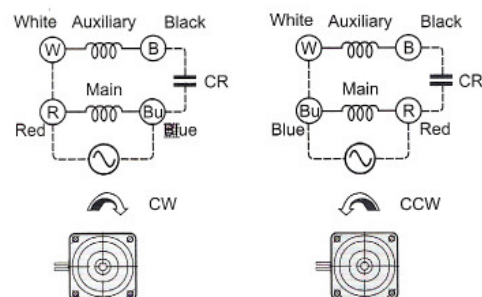


■ Dimensions and Specifications - Capacitor



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) 50Hz Gear Ratio 60Hz	With Decimal Gearhead																	
		500	300	200	180	150	120	100	90	75	60	50	30	20	15	10	9	7.5	6
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
		3	5	7.5	10	12.5	15	18	20	25	30	36	60	75	100	150	200	250	300
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
		3	5	7.5	10	12.5	15	18	20	25	30	36	60	75	100	150	200	250	300