

Variable Speed Motor

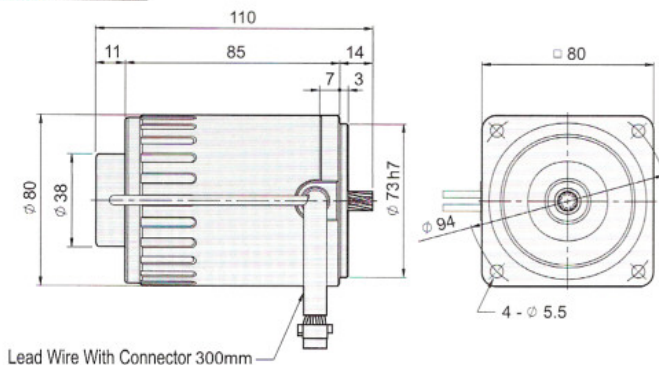
Frame

4

Motor
M-4IK25N-□V

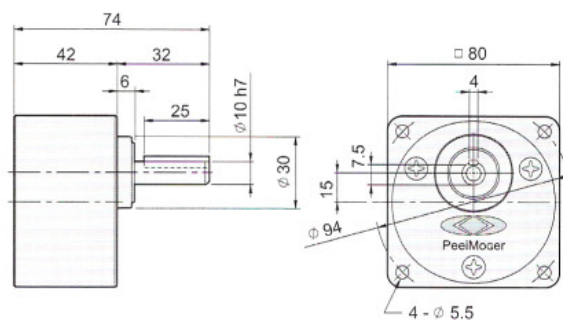
Output

25W



Gear Head

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



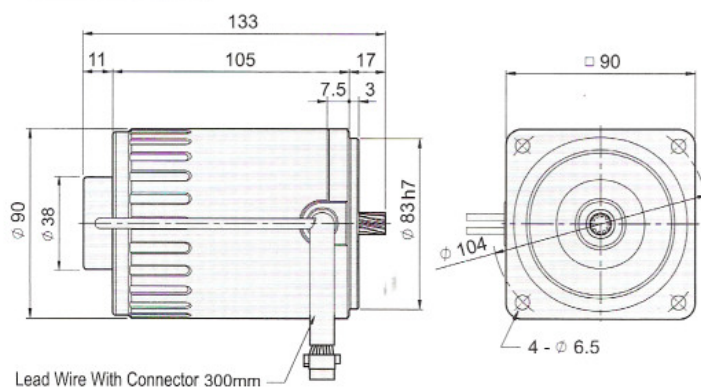
Frame

5

Motor
M-5IK40N-□V

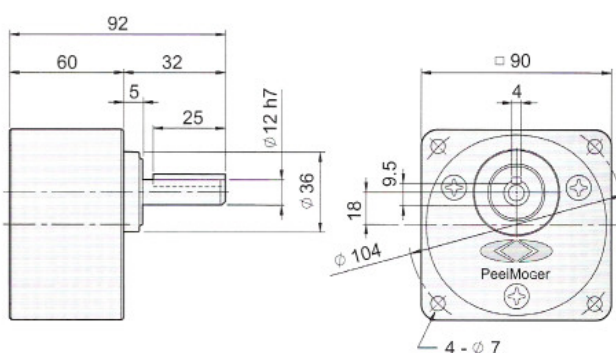
Output

40W

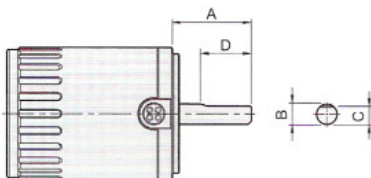


Gear Head

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

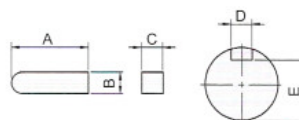


Dimensions - Motor, Round Shaft



Model	A	B	C	D
M-4IK25A-□V	32	$\phi 8$ h7	$7 \begin{smallmatrix} 0 \\ -0.15 \end{smallmatrix}$	25
M-5IK40A-□V	37	$\phi 10$ h7	$9 \begin{smallmatrix} 0 \\ -0.15 \end{smallmatrix}$	30

Dimensions - Key & Keyway



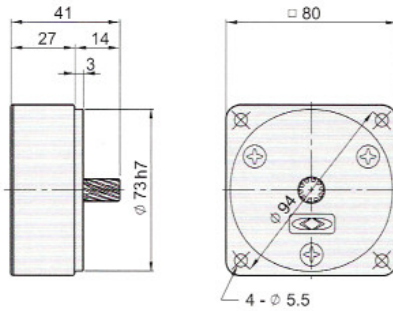
Model	A	B	C	D	E
G-4N□- $\begin{smallmatrix} K \\ L \end{smallmatrix}$	25	$4 \begin{smallmatrix} 0 \\ -0.030 \end{smallmatrix}$	$4 \begin{smallmatrix} 0 \\ -0.030 \end{smallmatrix}$	$4 \begin{smallmatrix} +0.060 \\ +0.010 \end{smallmatrix}$	$7.5 \begin{smallmatrix} 0 \\ -0.15 \end{smallmatrix}$
G-5N□-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

Specifications - Motor

Model	Poles	Output (W)	Voltage (V)	Frequency (Hz)	Duty	Speed Range (r p m)	Rated Torque		Starting Current (A)	Starting Torque (kgfcm)	Capacitor uF(V)	Speed Controller	Applied Gearhead Type					
							1200	90					Metal Bearing	Ball Bearing	Decimal Gearhead			
M-4IK25N-AV	4	25	110	50	CONT.	90~1400	1.4	0.45	1.0	1.3	8(250V)	US-4I25A-A	G-4N□-L	G-4N□-K	G-4N10X-K			
				60		90~1700	1.4	0.45	1.0	1.3								
M-4IK25N-CV	4	25	220	50	CONT.	90~1400	1.4	0.45	0.5	1.3	2(450V)	US-4I25A-C						
				60		90~1700	1.4	0.45	0.5	1.3								
M-5IK40N-AV	4	40	110	50	CONT.	90~1400	3.1	0.6	1.6	2.3	12(250V)	US-5I40A-A	G-5N□-L	G-5N□-K	G-5N10X-K			
				60		90~1700	2.5	0.6	1.5	2.3								
M-5IK40N-CV	4	40	220	50	CONT.	90~1400	3.1	0.6	0.8	2.3	3(450V)	US-5I40A-C						
				60		90~1700	2.5	0.6	0.8	2.3								

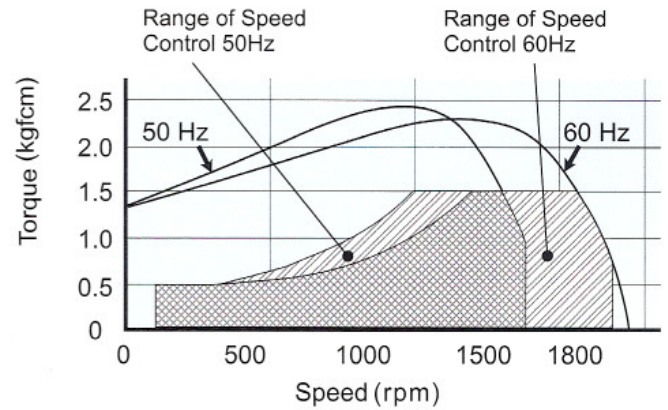
Decimal Gear Head

G-4N10X-K



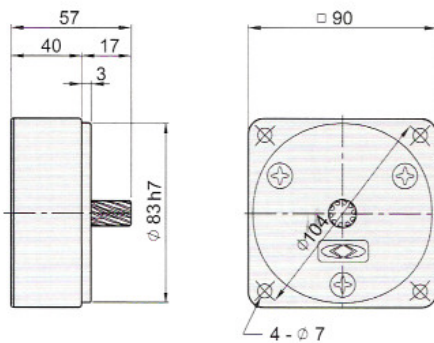
Speed-Torque Curve

M-4IK25N-AV



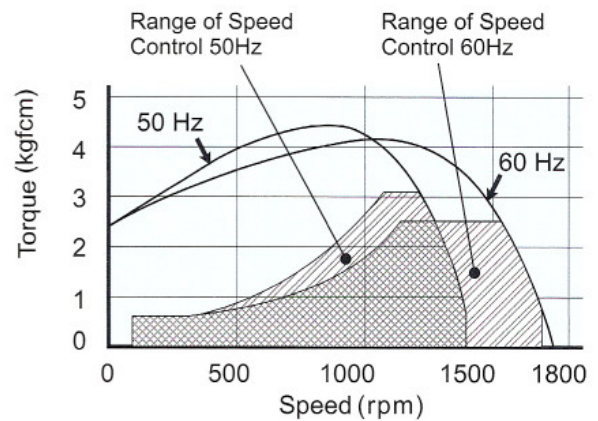
Decimal Gear Head

G-5N10X-K

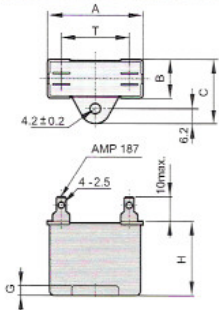


Speed - Torque Curve

M-5IK40N-AV



■ Dimensions and Specifications - Capacitor



Capacitor (μF/V)	A	B	C	H	G	T	Max. Temp
8(250V)	38	20	30	29	5	22	60°C
2(450V)	38	20	30	29	5	22	70°C
12(250V)	38	20	30	29	5	22	60°C
3(450V)	38	20	30	29	5	22	70°C

■ 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																	
		500	300	200	180	150	120	100	90	75	60	50	30	20	15	10	9	7.5	6
	Gear Ratio	3	5	7.5	10	12.5	15	18	20	25	30	36	60	75	100	150	200	250	300
	50Hz	3.6	6	9	10	15	18	20	25	30	36	60	75	100	120	180	200	300	360
	60Hz	3.6	6	9	10	15	18	20	25	30	36	60	75	100	120	180	200	300	360
G-4N□-K	Max.Allowable Torque (kgfcm)	4.0	6.7	10	11	13	16	20	21	26	32	39	65	80	80	80	80	80	80
		4.0	6.7	10	11	13	16	20	21	26	32	39	65	80	80	80	80	80	80
G-5N□-K	Max.Allowable Torque (kgfcm)	6.7	11	16	18	23	28	33	36	45	54	65	100	100	100	100	100	100	100
		6.7	11	16	18	23	28	33	36	45	54	65	100	100	100	100	100	100	100