

Technical drawing of the 123105.5 bearing unit. The side view shows a shaft with a diameter of $\varnothing 65h7$ and a length of 123 [105.5]. The shaft has a key with a width of 25 and a height of 5. The bearing housing has an outer diameter of $\varnothing 70$ and a width of 46. The front view shows a circular housing with a diameter of $\varnothing 82$ and a square flange with a side length of 70 x 70. The flange has four mounting holes with a diameter of 4- $\varnothing 6$.

调速电机 Speed Adjustable Motor 15W



电机型号 Model of Motor		出力 Output	电压 Voltage	频率 Frequency	极数 Poles	额定时间 Duty	调速范围 旋转速度 RPM	允许力矩 Allowable Torque				起动转矩 Starting Torque		电容容量 / 耐压 Capacitor/Ve
光电机 Motor	带齿轴电机 Motor with gear shaft	W	V	Hz	P			1200r/min 时		90r/min 时		N.m	kgf.cm	
								N.m	kgf.cm	N.m	kgf.cm			
3K15RA-A	3K15RGN-A	15	1ph110	50	4	连续 CONT	90~1350	0.12	1.20	0.04	0.35	0.06	0.55	5.0/250
3K15RA-C	3K15RGN-C	15	1ph220	50	4	连续 CONT	90~1350	0.12	1.20	0.04	0.35	0.06	0.55	1.2/450
3RK15RA-A	3RK15RGN-A	15	1ph110	50	4	30Min	90~1350	0.13	1.30	0.04	0.40	0.07	0.65	6.0/250
3RK15RA-C	3RK15RGN-C	15	1ph220	50	4	30Min	90~1350	0.13	1.30	0.04	0.40	0.07	0.65	1.5/450

Technical drawings showing the detailed dimensions of the gearbox output shaft and key:

- Shaft Dimensions:**
 - Top view: Square flange with outer dimensions 70×70 mm. Four mounting holes with diameter $\phi 8.2$ are located at the corners. A central hole has a diameter of $\phi 25$. The distance from the center to the hole center is 15 mm.
 - Side view: Shows the shaft diameter $\phi 65H7$. The flange thickness is 2.5 mm. The total length of the shaft assembly is $L + 33$ mm, with a 33 mm section for the keyway.
- Key Dimensions:**
 - Key width: 25 mm.
 - Key height: $10H7$ mm.
 - Key length: 33 mm.
 - Keyway depth: 4 mm.

	速比 Reduction Ratio	尺寸 L(mm)	质量(kg)
齿轮箱 Gearbox	3GN3K-GN18K	32	0.38
	3GN20K-GN50K	42	0.47
	3GN60K-GN200K		0.52
电机 Motor			1.20

频率 Frequency	减速比 Reduction Ratio		3	3.6	5	6	7.5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150
50Hz	输出轴转速 Output Shaft Speed	r/min	500	417	300	250	200	166	150	120	100	83	75	60	50	41	37	30	25	20	16	15	12	10
	允许力矩 Allowable Torque	N.m	0.31	0.38	0.53	0.64	0.79	0.95	1.06	1.32	1.59	1.90	1.90	2.37	2.85	3.42	3.81	4.28	4.90	4.90	4.90	4.90	4.90	4.90
		kgf.cm	3.2	3.9	5.4	6.5	8.1	9.7	10.8	13.5	16.2	19.4	19.4	24.2	29.1	34.9	38.8	43.6	50.0	50.0	50.0	50.0	50.0	50.0
	60Hz	输出轴转速 Output Shaft Speed	r/min	600	500	360	300	240	200	180	144	120	100	90	72	60	50	45	36	30	24	20	18	15
允许力矩 Allowable Torque		N.m	0.29	0.35	0.50	0.60	0.75	0.89	0.99	1.25	1.49	1.79	1.79	2.24	2.68	3.22	3.58	4.02	4.90	4.90	4.90	4.90	4.90	4.90
		kgf.cm	3.0	3.6	5.1	6.1	7.6	9.1	10.1	12.7	15.2	18.2	18.2	22.8	27.3	32.8	36.5	41.0	50.0	50.0	50.0	50.0	50.0	50.0

电容量 μF capacity μF 允许偏差 $\pm 5\%$ Allowable Deviation $\pm 5\%$	耐压 Voltage	长 L ± 1	宽 W ± 1	高 H ± 1	类型 Type
	V	mm	mm	mm	
1.2	450	37	14	28	引线式 Down-lead
1.5	450	37	14	28	
2.0	250	47	22	34	
5.0	250	47	26	38	

频率 Frequency	减速比 Reduction Ratio		180	200
50Hz	输出轴转速 Output Shaft Speed	r/min	8	7.5
	允许力矩 Allowable Torque	N.m	4.90	4.90
		kgf.cm	50.0	50.0
60Hz	输出轴转速 Output Shaft Speed	r/min	10	9
	允许力矩 Allowable Torque	N.m	4.90	4.90
		kgf.cm	50.0	50.0

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