

BRAKE MOTOR

90W 90mm

Specs / Motor

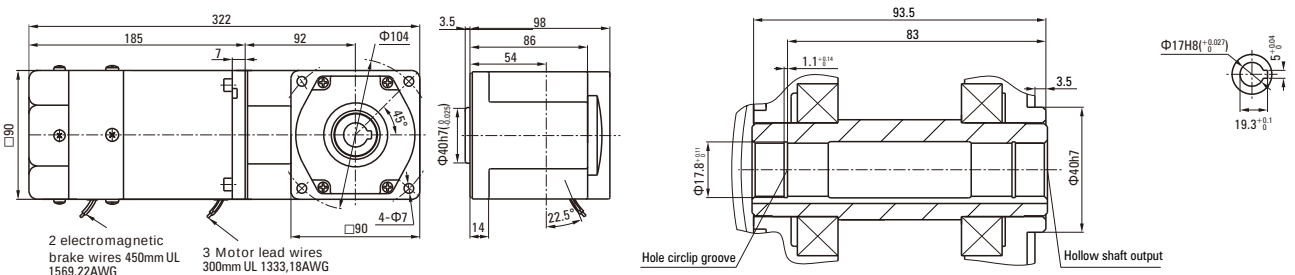
Model • Type Lead Wire Type	Rating	Output power W	Voltage V	Frequency Hz	Current A	Starting Torque mN.m	Rated Torque mN.m	Rated Speed r/min	Capacitor μF
Pinion Shaft									
5RK90GU-AFM	30min	90	1ph 100	50	1.78	600	700	1250	30
				60	2.35		570	1550	
5RK90GU-EFM	30min	90	1ph 110	60	1.72	550	570	1550	25
			1ph 120			600			
5RK90GU-CFM	30min	90	1ph 220	50	0.82	560	700	1250	6.0
			1ph 230		0.81				
5RK90GU-HFM	30min	90	1ph 220	60	0.81	560	570	1550	6.0
			1ph 230		0.80				
5RK90GU-SFM	30min	90	3ph 220	50	0.60	1350	700	1250	-
				60	0.55	1100	570	1550	
5RK90GU-S3FM	30min	90	3ph 380	50	0.35	1350	700	1250	-
				60	0.32	1100	570	1550	

Allowance Torque Unit: Upside (N.m) / Belowside (kgf.cm)

Type Motor/Gearhead	Gear Ratio	Speed r/min	3	3.6	5	6	7.5	9	10	12.5	15	18	20	25	30	36	50	60	75	90	100	120	150	180
			50Hz	50Hz	50Hz	50Hz	50Hz	50Hz	50Hz	50Hz	50Hz	50Hz	50Hz	50Hz	50Hz	50Hz	50Hz	50Hz	50Hz	50Hz	50Hz	50Hz	50Hz	50Hz
5RK90GU-AF□M	5GU□RC	Allowance Torque	50Hz	1.13	1.35	1.88	2.26	3.55	3.76	4.18	5.92	7.10	7.52	8.35	11.8	14.2	15.3	20.0	20.0	20.0	20.0	20.0	20.0	20.0
5RK90GU-EF□M			60Hz	1.1	1.33	1.84	2.21	36.2	36.8	40.9	60.4	72.5	73.7	81.9	121	145	157	200	200	200	200	200	200	200
5RK90GU-CF□M			50Hz	0.94	1.13	1.57	1.88	2.86	3.13	3.48	4.77	5.73	6.27	6.96	9.54	11.5	12.4	17.2	20.0	20.0	20.0	20.0	20.0	20.0
5RK90GU-HF□M			60Hz	9.21	11.1	15.4	18.4	29.2	30.7	34.1	48.7	58.4	61.4	68.2	97.4	117	126	175	200	200	200	200	200	200

Motor Size Chart

5RK90GU-AF□M/5GU□RC	5RK90GU-CF□M/5GU□RC	5RK90GU-SF□M/5GU□RC
5RK90GU-EF□M/5GU□RC	5RK90GU-HF□M/5GU□RC	5RK90GU-S3F□M/5GU□RC



5RK90GU-AF□M/5GU□RT	5RK90GU-CF□M/5GU□RT	5RK90GU-SF□M/5GU□RT
5RK90GU-EF□M/5GU□RT	5RK90GU-HF□M/5GU□RT	5RK90GU-S3F□M/5GU□RT

