

K Series

90 W



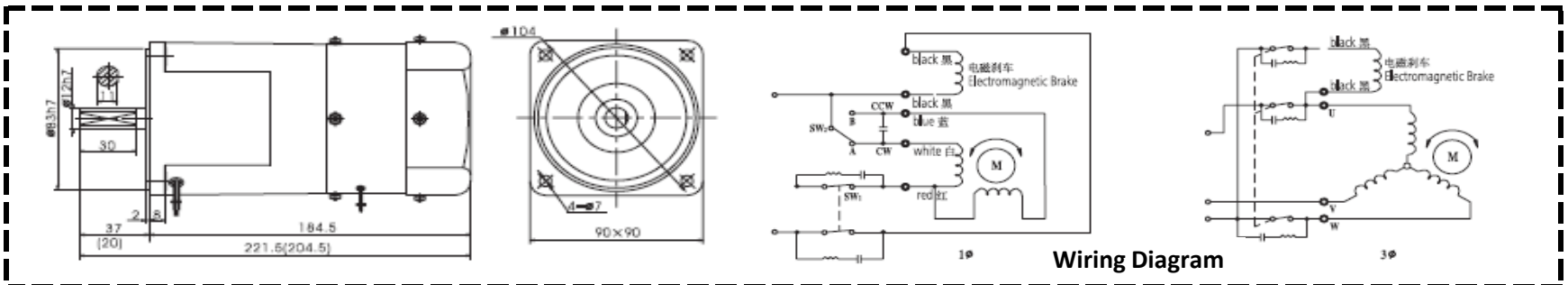
Motor Specification

Model		Output W	Volt V	Freq Hz	Pole P	Duty	Rated				Start Torque		Capacitor µf/VAC
Motor	Motor With Gear shaft						Speed r/min	Current A	Torque N.m	kgf.cm	N.m	kgf.cm	
AR90-1590S4-MF	GR5K90GU-AMF	90	1ph110	50	4	30Min	1350	1.55	0.64	6.40	0.48	4.80	25.0/250
AR90-3590S4-MF	GR5K90GU-CMF	90	1ph220	50	4	30Min	1350	0.70	0.64	6.40	0.48	4.80	6.0/450
AR90-3590T4-MF	GR5K90GU-SMF	90	3ph220	50	4	30Min	1350	0.66	0.66	6.60	2.30	23.00	/
AR90-10590T4-MF	GR5K90GU-S ₃ MF	90	3ph380	50	4	30Min	1350	0.38	0.66	6.60	2.30	23.00	/

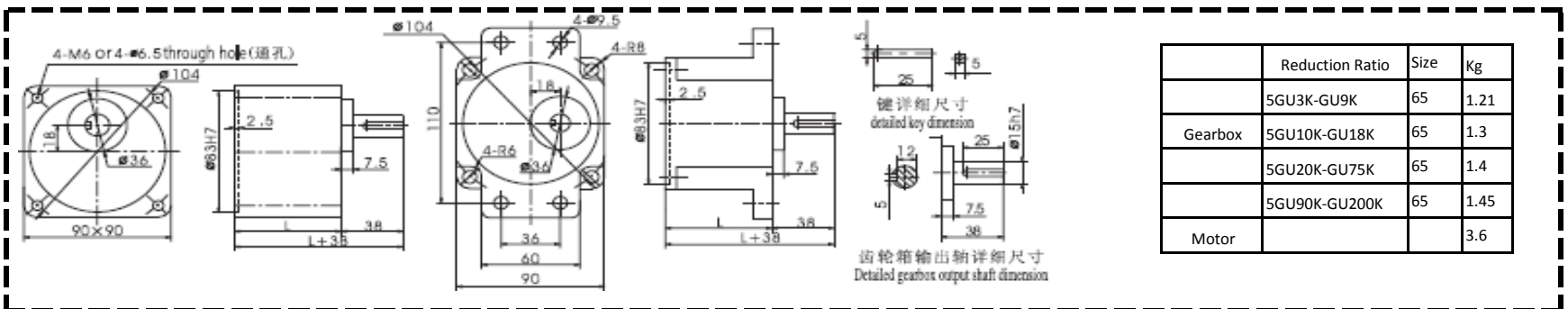
Gearbox

Frequency	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	180	200
			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	8
50HZ	Allowable Torque	N.m	1.03	1.24	1.72	2.6	2.58	3.1	3.1	3.88	4.65	5.38	5.6	7.01	8.41	10.1	11.2	14	16.8	19.6	19.6	19.6	19.6	19.6	19.6	19.6
		kgf.cm	10.5	12.7	17.6	21	26.3	31.6	31.6	39.6	47.4	54.9	57.1	71.6	85.8	103	114	143	171	200	200	200	200	200	200	200
60HZ	Allowable Torque	N.m	0.9	1.08	1.5	1.8	2.23	2.7	2.7	3.38	4.05	4.88	4.88	6.1	7.33	8.79	9.76	12.2	14.6	18.3	19.6	19.6	19.6	19.6	19.6	19.6
		kgf.cm	9.18	11	15.3	18.4	23	27.6	27.6	34.5	41.3	49.5	49.5	62.2	74.7	90	99.8	124	149	187	200	200	200	200	200	200

Motor Dimension



Gearhead Dimension



Compacitor

