

## K Series

# 90 W



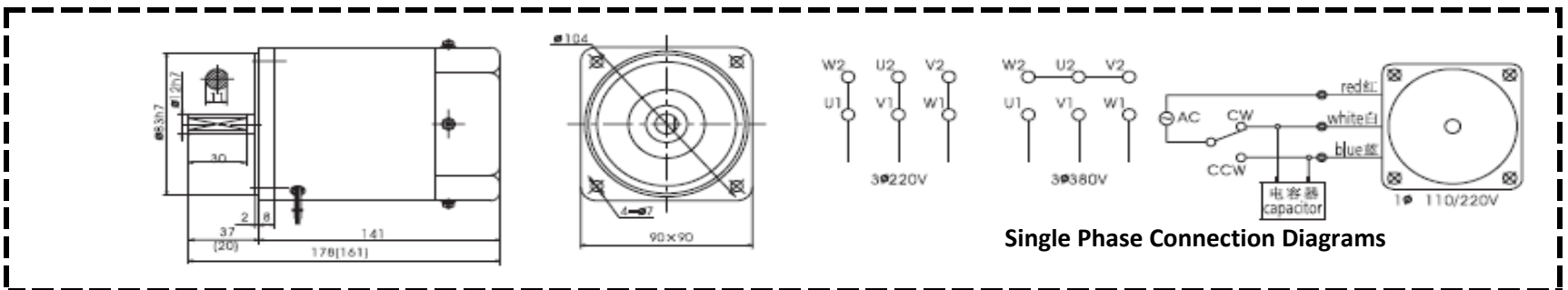
### Motor Specification

Motor	Model	Output W	Volt V	Freq Hz	Pole P	Duty	Rated				Start Torque		Capacitor
							Speed r/min	Current A	Torque N.m	kgf.cm	N.m	kgf.cm	μf/VAC
AI90-1590S4-F	GI5K90GU-AF	90	1ph110	50	4	CONT	1350	1.40	0.64	6.40	0.50	5.00	20.0/250
AI90-3590S4-F	GI5K90GU-CF	90	1ph220	50	4	CONT	1350	0.70	0.64	6.40	0.48	4.80	5.0/450
AI90-3590T2-F	GI5K90GU-SF	90	3ph220	50	4	CONT	1300	0.66	0.66	6.60	2.40	24.00	/
AI90-10590T4-F	GI5K90GU-S <sub>3</sub> F	90	3ph380	50	4	CONT	1300	0.38	0.66	6.60	2.40	24.00	/
AI90-3590S2		90	1ph220	50	4	CONT	2800	0.79	0.30	3.00	0.34	3.40	6.0/450

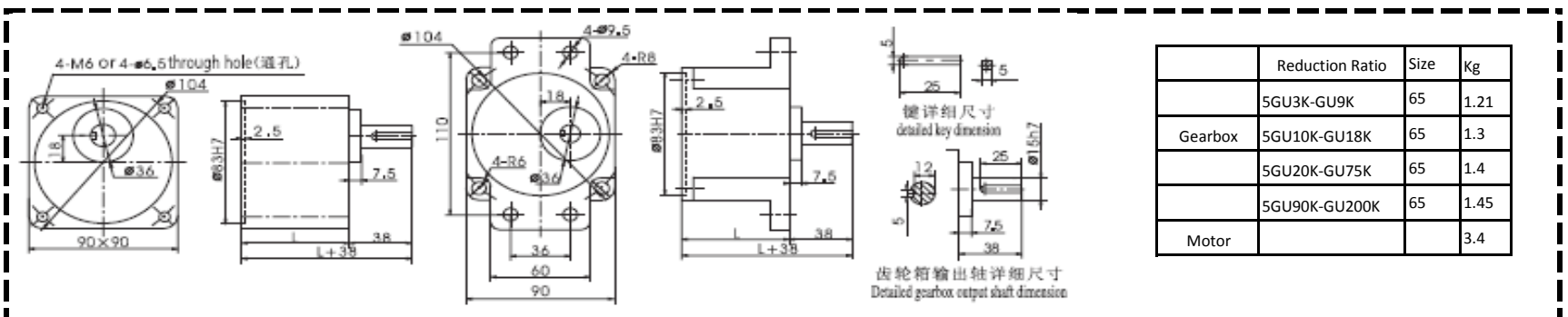
### Gearbox

Frequency	Reduction Ratio	Speed r/min	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
			50HZ	Allowable Torque	N.m	1.55	1.86	2.58	3.1	3.87	4.64	4.65	5.81	6.98	8.37	8.4	10.5	12.6	15.1	16.8	19.6	19.6	19.6	19.6	19.6	19.6
60HZ	Speed	r/min	600	500	360	300	240	200	180	144	120	100	90	72	60	50	45	36	30	24	20	18	15	12	10	9
	Allowable Torque	N.m	1.35	1.62	2.25	2.7	3.37	4.04	4.05	5.06	6.07	7.29	7.32	9.15	11	13.2	14.6	18.3	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6

### Motor Dimension



### Gearhead Dimension



### Compacitor

