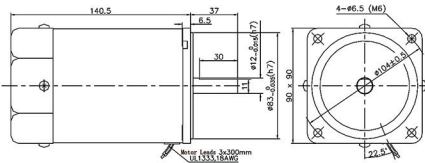
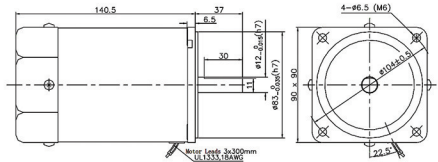


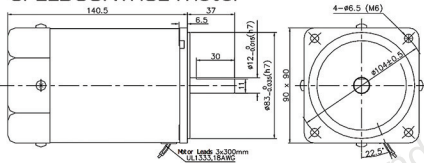
## AC motor



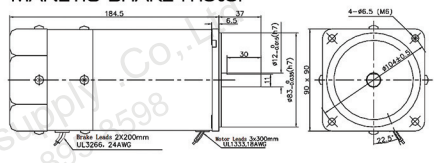
## REVERSIBLE motor



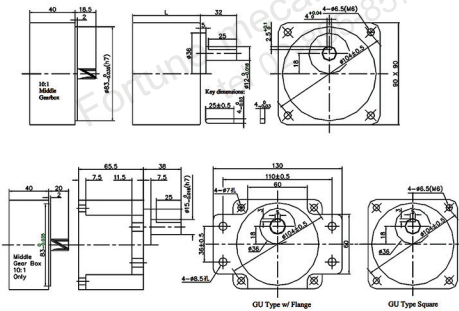
## SPEEDCONTROL motor



## MANETIC BRAKE motor



## GEAR HEAD

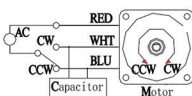


Item	Ratio	Weight	
		L mm	Kg / lb
Gearhead (5GNxxK)	3 - 18	42	0.73 / 1.61
	20 - 50	60	1.03 / 2.27
	60 - 200	60	1.13 / 2.49
10:1 middle gearbox	40	0.6	1.32
Motor	169	2.4	5.28

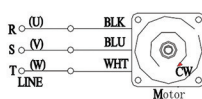
Item	Ratio	Weight		
		L mm	Kg / lb	
Gearhead (5GUxxK)	3 - 9	65.5	1.21	2.66
	10 - 18		1.30	2.86
	20 - 75		1.40	3.08
	90 - 200		1.45	3.19
10:1 middle gearbox	40	0.6	1.32	
Motor	184	3.4	7.48	

## ● Connection Diagrams:

● Lead Wire Single Phase

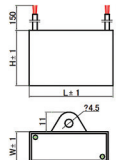


● Lead Wire Three Phase



## ● Capacitor:

Value	Dimensions		
	uF	V	L H W
3.5 - 4.0	250	37	18 28
1.8 - 2.5	450	57	32 46
20 - 30	250		
10 - 15	450		



## ● Induction motor specifications-continuous Rating (leads wire type)

Model		Output Power	Voltage	Freq.	Current	Starting Torque	Rated Torque	Rated Speed	Capacitor
Pinion Shaft	Round Shaft	W	Vac	Hz	Amp	mN.m	mN.m	r/min	μF/V
5IK90GN-CF	5IK90A-CF	90	1ph220	50	0.72	450	700	1250	5/450
			1ph230		0.7			1450	
5IK90GU-AF	5IK90A-AF	90	1ph100	50	1.55	450	700	1250	25/250
				60	1.85		570	1550	
5IK90GU-CF	5IK90A-CF	90	1ph220	50	0.72	450	700	1250	5/450
			1ph230		0.7			1450	
5IK90GU-YF	5IK90A-YF	90	3ph220	50	0.6	1350	700	1250	-
				60	0.55	1100	570	1550	

- These motors have built in thermal protectors: If a motor overheats the thermal protector opens and the motor stops. When the motor temperature drops to the rated level, the thermal protector closes and the motor restarts.

## ● Reversible motor specifications-30 minute Rating (leads wire type)

Model		Output Power	Voltage	Freq.	Current	Starting Torque	Rated Torque	Rated Speed	Capacitor
Pinion Shaft	Round Shaft	W	Vac	Hz	Amp	mN.m	mN.m	r/min	μF/V
5RK90GN-CF	5RK90A-CF	90	1ph220	50	0.82	560	700	1250	6
			1ph230		0.81			1450	
5RK90GU-AF	5RK90A-AF	90	1ph100	50	1.78	600	700	1250	30
				60	2.35		570	1550	
5RK90GU-CF	5RK90A-CF	90	1ph220	50	0.82	560	700	1250	6
			1ph230		0.81			1450	

- These motors have built in thermal protectors: If a motor overheats the thermal protector opens and the motor stops. When the motor temperature drops to the rated level, the thermal protector closes and the motor restarts.

## ● Speed Control motor specifications-continuous Rating (leads wire type)

Model		Output Power	Voltage	Freq.	Speed Range	Allowable Torque		Starting Torque	Current	Capacitor
Pinion Shaft	Round Shaft	W	Vac	Hz	r/min	1200rpm	90rpm	mN.m	Amp	μF/V
5IK90RG-CF	5IK90RA-CF	90	1ph220	50	90~1400	710	230	410	1.2	5/450
5IK90RGU-AF	5IK90RA-AF	90	1ph100	50	90~1400	710	230	405	2.75	25/250
				60	90~1700	490	260	35	0.28	
5IK90RGU-CF	5IK90RA-CF	90	1ph220	50	90~1400	710	230	410	1.2	5/450

- These motors have built in thermal protectors: If a motor overheats the thermal protector opens and the motor stops. When the motor temperature drops to the rated level, the thermal protector closes and the motor restarts.

## ● Brake motor specifications (leads wire type)

Model		Duty	Output Power	Voltage	Freq.	Current	Starting torque	Rated torque	Rated speed	CAP
(Lead wire type)			W	V	Hz	A	mN.m	mN.m	r/min	μF/VAC
5IK90GN-CM	5IK90A-CM	Cont.	90	1ph220	50	0.82	560	700	1250	6
				1ph230		0.81				
5IK90GU-CM	5IK90A-CM	Cont.	90	1ph220	50	0.82	560	700	1250	6
				1ph230		0.81				
5IK90GN(U)-YM	5IK90A-YM	Cont.	90	3ph220	50	0.6	1350	700	1200	-
					60	0.55	1100	570	1550	