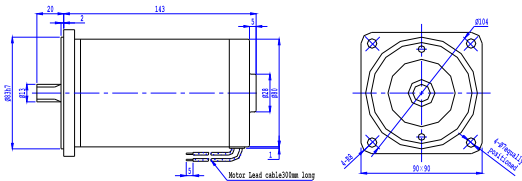


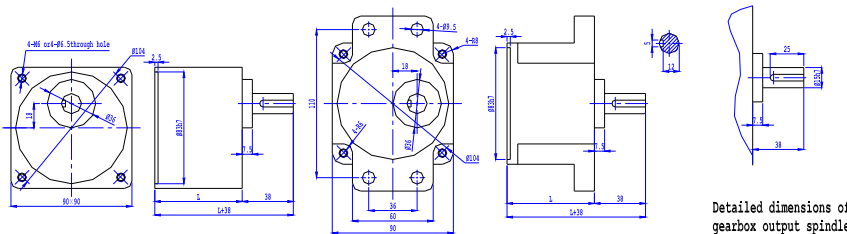
Motor Overall Dimension :



Motor Performance Parameters

Model	Voltage (V)	Power (W)	No-load Parameters		load Parameters			Brush Life (H)	Motor Weight (kg)	Remarks
			Speed (RPM)	Current (A)	Speed (RPM)	Torque (kgf.cm)	Current (A)			
Z5D60-12 □	12	60	3000	2.0	2600	2.3	9.0	2000	2.2	
Z5D60-24 □	24	60	3100	1.0	2800	2.1	3.5	2000	2.2	
Z5D60-90 □	90	60	3100	0.3	2900	2.0	1.0	2000	2.2	
Z5D90-12 □	12	90	3100	2.0	2600	3.4	12.0	2000	2.2	
Z5D90-24 □	24	90	3300	1.0	2800	3.2	5.0	2000	2.2	
Z5D90-90 □	90	90	3000	0.3	2800	3.2	1.4	2000	2.2	
Z5D120-12 □	12	120	3100	2.0	2500	4.7	15.0	2000	2.2	
Z5D120-24 □	24	120	3200	1.2	2600	4.5	7.0	2000	2.2	
Z5D120-90 □	90	120	3000	0.3	2600	4.5	2.0	2000	2.2	

Overall Dimension of Gearbox



Gearbox	Gear Ratio	Length L(mm)	G.W. (Kgs)
	1:3 ~ 1:9		65
1:10 ~ 1:18	1.30		
1:20 ~ 1:75	1.40		
1:90 ~ 1:200	1.45		

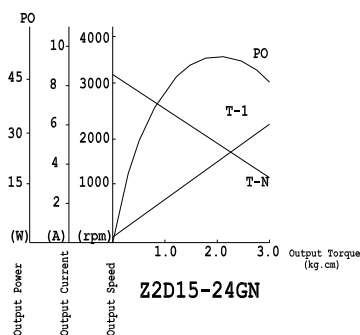
Detailed dimensions of gearbox output spindle

Allowable Torque on Gearbox

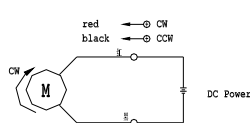
Model of Gearbox: 5GU □ K

Model	Gear Ratio	Output Speed RPM	Permitted Torque																						
			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
Z2D06-24□			0.64	0.76	1.05	1.27	1.58	1.90	1.90	2.38	2.85	3.42	3.44	4.30	5.16	6.19	6.88	8.60	10.31	12.89	13.83	15.37	18.44	19.60	19.60
Z2D10-24□			6.53	7.75	10.76	12.92	16.12	19.37	19.40	24.25	29.10	34.92	35.08	43.85	52.62	63.15	70.16	87.70	105.24	131.56	141.12	156.80	188.17	200.0	200.0



Characteristic Curve of Motor



Bare Motor Output Shaft Dimension



Wiring Diagram of Motor

Motor	Gear Shaft	Flat Type
Z2D15-□ GN		Z2D15-□ A
Output Shaft Type and Dimension		

Induction Motor