

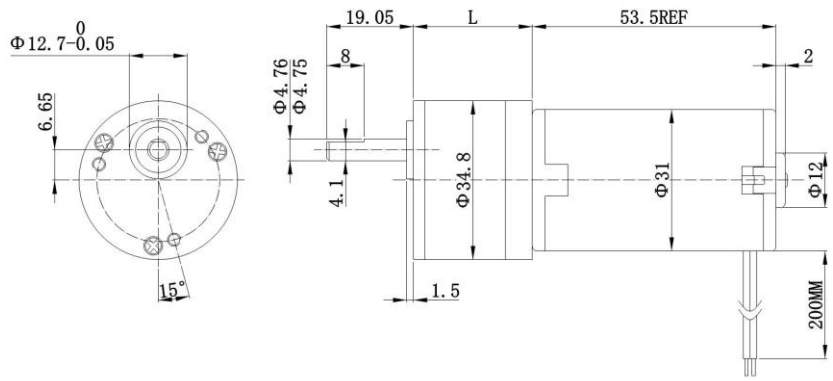
# 35GA/31ZYT53 24V Series

**● Gearbox Specifications**

Gear Ratio		Stage	Eff.	Maximum Load	Length
1:X		#	%	N.m	"L"mm
	6.3	2	81	0.706	23.6
9.9	19.5	3	73	0.706	23.6
30.9	60.5	4	66	0.706	26.1
95.9	187.7	5	57	0.706	28.6
297.5	581.8	6	53	0.706	31.1
922.3	1083.6	7	48	0.706	33.6



**● Dimensions**



Label printers, auto shutter, welding machines, water meter IC card, grill, oven, cleaning machine, garbage disposers, household appliances, slot machines, money detector, automatic actuator, coffee machine, towel disposal, lighting, coin refund devices, peristaltic pump.

**● Motor Specifications**

Model	Rated	No-load		Rated				Stall		Motor Length mm
	Voltage	Current	Speed	Current	Speed	Torque	Power	Current	Torque	
	VDC	mA	r/min	mA	r/min	g.cm	W	mA	g.cm	
31ZYT53-2430	24	60mA	3000	200	4500	90	2.0	800	360	53.5
31ZYT53-2445	24	90mA	4500	350	3300	130	4.3	1300	520	53.5
31ZYT53-2460	24	130mA	6000	650	2200	180	8.0	2600	720	53.5

**● Gearmotor Specifications (Use gear ratio to replace xxx when order)**

**35GAXXXK/31ZYT53-2430**

$X(\text{in-lb}) = 0.867313 * Y(\text{kg.cm})$

Reduction Ratio	6.3	9.9	19.5	30.9	60.5	95.9	187.7	297.5	581.8	922.3	1083.6
No-load speed(RPM)	476	303	154	97	50	31	16	10	5.2	3.3	2.8
Rated speed(RPM)	349	222	113	71	36	23	12	7.4	3.8	2.4	2.0
Rated torque(N.m)	0.045	0.063	0.13	0.18	0.35	0.48	0.71	0.71	0.71	0.71	0.71

**35GAXXXK/31ZYT53-2445**

$X(\text{in-lb}) = 0.867313 * Y(\text{kg.cm})$

Reduction Ratio	6.3	9.9	19.5	30.9	60.5	95.9	187.7	297.5	581.8	922.3	1083.6
No-load speed(RPM)	714	455	231	146	74	47	24	15	7.7	4.9	4.2
Rated speed(RPM)	524	333	169	107	55	34	18	11	5.7	3.6	3.0
Rated torque(N.m)	0.065	0.092	0.18	0.26	0.51	0.70	0.71	0.71	0.71	0.71	0.71

**35GAXXXK/31ZYT53-2460**

$X(\text{in-lb}) = 0.867313 * Y(\text{kg.cm})$

Reduction Ratio	6.3	9.9	19.5	30.9	60.5	95.9	187.7	297.5	581.8	922.3	1083.6
No-load speed(RPM)	952	606	308	194	99	63	32	20	10	6.5	5.5
Rated speed(RPM)	714	455	231	146	74	47	24	15	7.7	4.9	4.2
Rated torque(N.m)	0.09	0.13	0.25	0.36	0.71	0.71	0.71	0.71	0.71	0.71	0.71