

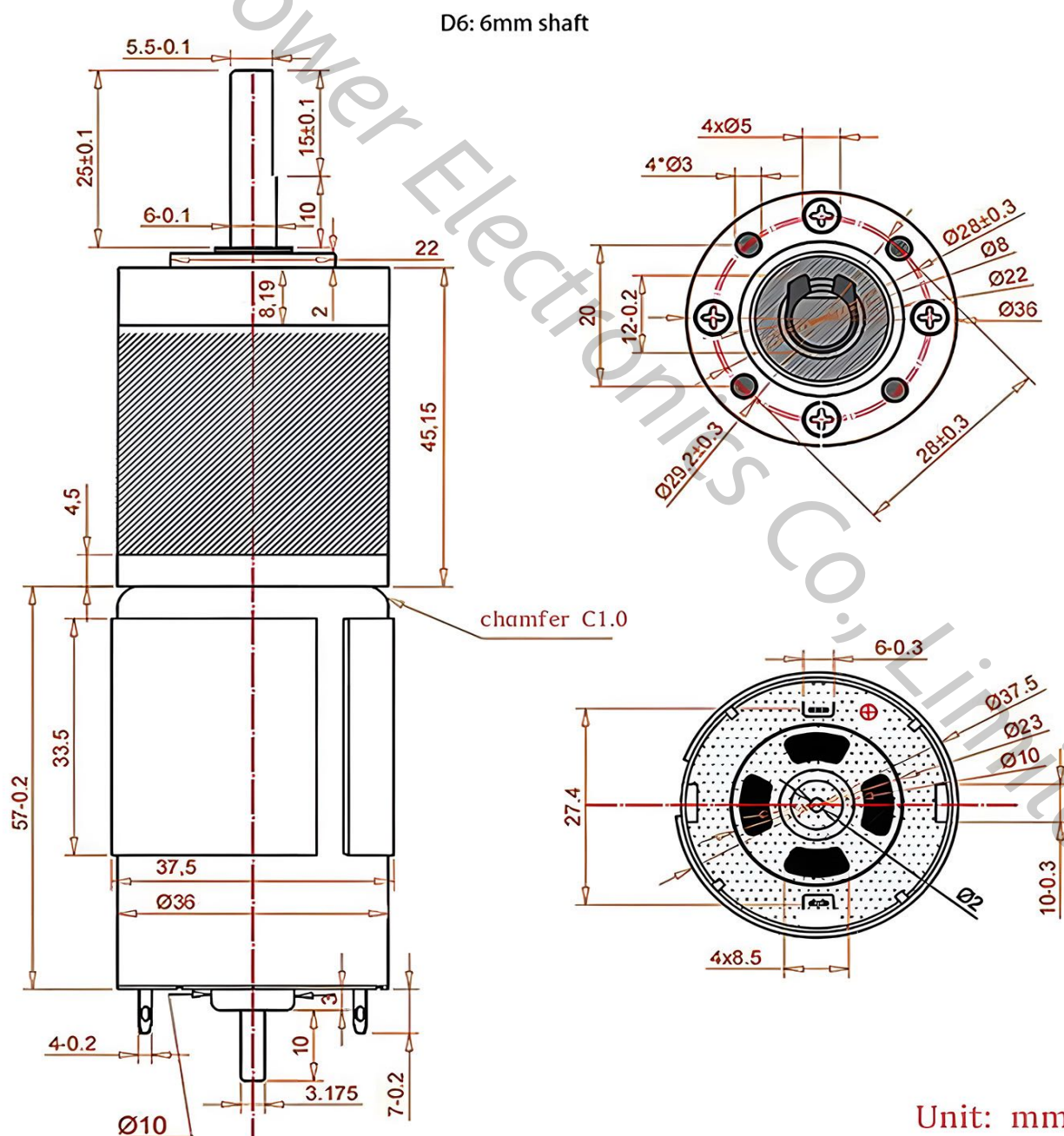
NFP-GA36Y-555

36 mm Planetary Gear Motor

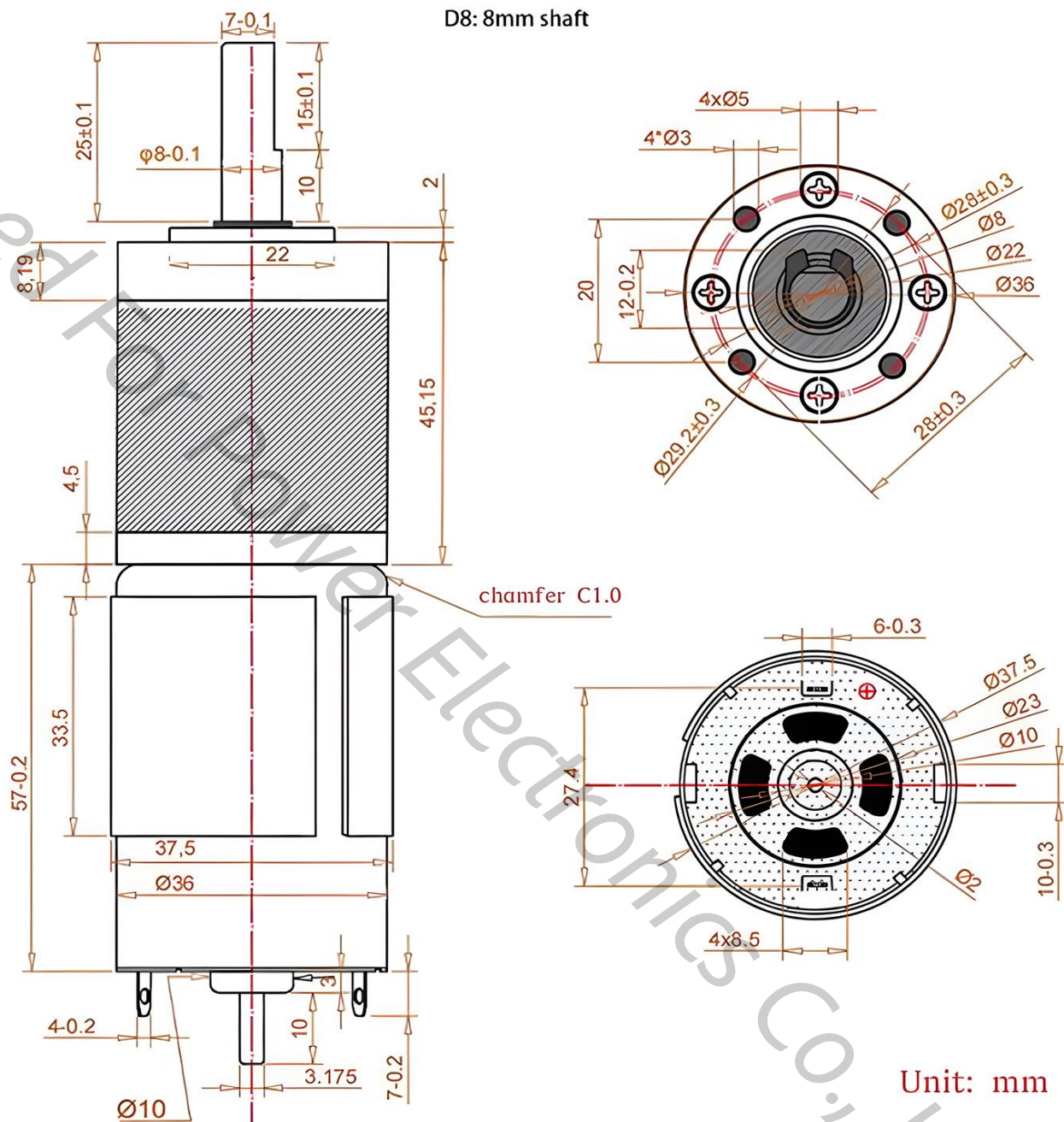
Motor Model	NFP-GA36Y-555-CE
Rotation	CW & CCW
Rated Voltage	12V DC / 24V DC
No-load Speed	11rpm - 2,160rpm
Output Power	12W - 24W
Maximum Torque	100Kg.cm
No-load Current	0.2A - 0.53A
Output Shaft Diameter	6mm / 8mm
Weight	374g - 479g



Outline Drawings



D8: 8mm shaft



Performance Data

NFP-GA36Y-555 planetary gearmotor

12V Performance Data

NFP-GA36Y-555-1280
12V DC | 8,000RPM | 479g

Ratio i : 1	No Load		Rated Load			Stall	
	Speed	Current	Rated Speed	Current	Rated Torque	Torque	Current
3.7	2160 rpm	0.52A	1850 rpm	1.3A	0.74kg.cm	4.75kg.cm	19.3A
5.18	1544 rpm	0.53A	1270 rpm	1.325A	1kg.cm	8kg.cm	19.3A
19	421 rpm	0.45A	370 rpm	1.125A	3.4kg.cm	16.5kg.cm	19.3A
27	296 rpm	0.49A	260 rpm	1.225A	4.9kg.cm	28.5kg.cm	19.3A
50	160 rpm	0.43A	130 rpm	1.075A	8.2kg.cm	50kg.cm	19.3A
71	112 rpm	0.39A	90 rpm	0.975A	11.6kg.cm	70kg.cm	19.3A
100	80 rpm	0.39A	61 rpm	0.975A	16.4kg.cm	93kg.cm	19.3A
139	57 rpm	0.43A	40 rpm	1.075A	22.8kg.cm	107kg.cm	19.3A
189	42 rpm	0.51A	33 rpm	1.275A	27.6kg.cm	128kg.cm	19.3A
262	30 rpm	0.55A	25 rpm	1.375A	38.3kg.cm	160kg.cm	19.3A
369	21 rpm	0.5A	17 rpm	1.275A	53.9kg.cm	180kg.cm	19.3A
427	18 rpm	0.46A	15 rpm	1.15A	62.4kg.cm	200kg.cm	19.3A
516	15 rpm	0.48A	12 rpm	1.2A	75.4kg.cm	225kg.cm	19.3A
596	13 rpm	0.46A	10 rpm	1.15A	87kg.cm	250kg.cm	19.3A
721	11 rpm	0.42A	9 rpm	1.05A	100kg.cm	300kg.cm	19.3A

24V Performance Data

NFP-GA36Y-555-2480
24V DC | 8,000RPM | 479g

Ratio i : 1	No Load		Rated Load			Stall	
	Speed	Current	Rated Speed	Current	Rated Torque	Torque	Current
3.7	2160 rpm	0.2A	1845 rpm	0.7A	0.86kg.cm	4.3kg.cm	13.6A
5.18	1544 rpm	0.25A	1290 rpm	0.75A	1.2kg.cm	7.6kg.cm	13.6A
19	421 rpm	0.21A	378 rpm	0.7A	4kg.cm	18.5kg.cm	13.6A
27	296 rpm	0.25A	266 rpm	0.75A	5.6kg.cm	28.7kg.cm	13.6A
50	160 rpm	0.32A	140 rpm	0.82A	9.4kg.cm	53kg.cm	13.6A
71	112 rpm	0.33A	91 rpm	0.82A	13.4kg.cm	72.5kg.cm	13.6A
100	80 rpm	0.21A	70 rpm	0.7A	18.9kg.cm	90kg.cm	13.6A
139	57 rpm	0.3A	50 rpm	0.75A	26.3kg.cm	102kg.cm	13.6A
189	42 rpm	0.31A	37 rpm	0.75A	31.9kg.cm	150kg.cm	13.6A
262	30 rpm	0.25A	26 rpm	0.75A	44.2kg.cm	175kg.cm	13.6A
369	21 rpm	0.26A	18 rpm	0.75A	62.3kg.cm	200kg.cm	13.6A
427	18 rpm	0.28A	15 rpm	0.75A	72kg.cm	225kg.cm	13.6A
516	15 rpm	0.24A	12 rpm	0.75A	87.2kg.cm	250kg.cm	13.6A
596	13 rpm	0.21A	11 rpm	0.75A	100kg.cm	275kg.cm	13.6A
721	11 rpm	0.29A	8 rpm	0.75A	100kg.cm	300kg.cm	13.6A

Performance Data

NFP-GA36Y-555 planetary gearmotor

12V Performance Data

NFP-GA36Y-555-1260
12V DC | 6,000RPM | 479g

Ratio i : 1	No Load		Rated Load			Stall	
	Speed	Current	Rated Speed	Current	Rated Torque	Torque	Current
3.7	1621 rpm	0.52A	1296 rpm	1.3A	0.74kg.cm	4.75kg.cm	19.3A
5.18	1158 rpm	0.53A	926 rpm	1.325A	1kg.cm	8kg.cm	19.3A
19	315 rpm	0.45A	252 rpm	1.125A	3.4kg.cm	165kg.cm	19.3A
27	222 rpm	0.49A	177 rpm	1.225A	4.9kg.cm	28.5kg.cm	19.3A
50	120 rpm	0.43A	96 rpm	1.075A	8.2kg.cm	50kg.cm	19.3A
71	84 rpm	0.39A	67 rpm	0.975A	11.6kg.cm	70kg.cm	19.3A
100	60 rpm	0.39A	48 rpm	0.975A	16.4kg.cm	93kg.cm	19.3A
139	43 rpm	0.43A	34 rpm	1.075A	22.8kg.cm	107kg.cm	19.3A
189	31 rpm	0.51A	24 rpm	1.275A	27.6kg.cm	128kg.cm	19.3A
262	22 rpm	0.55A	17 rpm	1.375A	38.3kg.cm	160kg.cm	19.3A
369	16 rpm	0.5A	12 rpm	1.275A	53.9kg.cm	180kg.cm	19.3A
427	14 rpm	0.46A	11 rpm	1.15A	62.4kg.cm	200kg.cm	19.3A
516	11 rpm	0.48A	9 rpm	1.2A	75.4kg.cm	225kg.cm	19.3A
596	10 rpm	0.46A	8 rpm	1.15A	87kg.cm	250kg.cm	19.3A
721	8 rpm	0.42A	6 rpm	1.05A	100kg.cm	300kg.cm	19.3A

24V Performance Data

NFP-GA36Y-555-2460
24V DC | 6,000RPM | 479g

Ratio i : 1	No Load		Rated Load			Stall	
	Speed	Current	Rated Speed	Current	Rated Torque	Torque	Current
3.7	1621 rpm	0.2A	1296 rpm	0.7A	0.86kg.cm	4.3kg.cm	13.6A
5.18	1158 rpm	0.25A	926 rpm	0.75A	1.2kg.cm	7.6kg.cm	13.6A
19	315 rpm	0.21A	252 rpm	0.7A	4kg.cm	18.5kg.cm	13.6A
27	222 rpm	0.25A	177 rpm	0.75A	5.6kg.cm	28.7kg.cm	13.6A
50	120 rpm	0.32A	96 rpm	0.82A	9.4kg.cm	53kg.cm	13.6A
71	84 rpm	0.33A	67 rpm	0.82A	13.4kg.cm	72.5kg.cm	13.6A
100	60 rpm	0.21A	48 rpm	0.7A	18.9kg.cm	90kg.cm	13.6A
139	43 rpm	0.3A	34 rpm	0.75A	26.3kg.cm	102kg.cm	13.6A
189	31 rpm	0.31A	24 rpm	0.75A	319kg.cm	150kg.cm	13.6A
262	22 rpm	0.25A	17 rpm	0.75A	44.2kg.cm	175kg.cm	13.6A
369	16 rpm	0.26A	12 rpm	0.75A	62.3kg.cm	200kg.cm	13.6A
427	14 rpm	0.28A	11 rpm	0.75A	72kg.cm	225kg.cm	13.6A
516	11 rpm	0.24A	9 rpm	0.75A	87.2kg.cm	250kg.cm	13.6A
596	10 rpm	0.21A	8 rpm	0.75A	100kg.cm	275kg.cm	13.6A
721	8 rpm	0.29A	6 rpm	0.75A	100kg.cm	300kg.cm	13.6A