

NFP-36GP-555

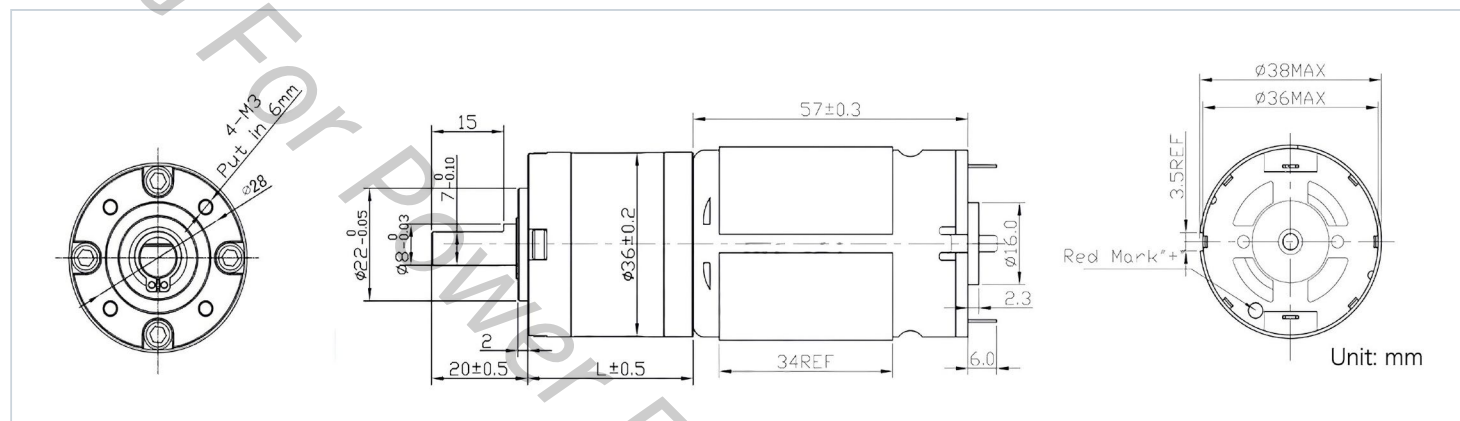
Permanent Magnet DC DC Planetary Gear Motor



1. Planetary gearbox structure.
2. Low noise and low current.
3. Precious metal brush, carbon brush, stepper, brushless or encoder options available by series.
4. Long-life gearbox can be chosen in selected series.
5. Custom specifications available, including gearbox, shaft, ratio, flange and pinion.

Performance Range	Key Features	Typical Applications
Voltage 3-24V DC	High Torque Small Size	Home and office automation
Speed 1-4,000rpm	CW/CCW Running	Banking and Medical Equipment
Torque 1-50kg.cm	Large Speed Range	Robotics and custom motion products

OUTLINE DRAWING



GEARBOX PARAMETERS

Gear Ratio	Gear Module	0.5/0.6/0.7					
	Rated Torque	10.0kg.cm Max					
	Max Momentary Tolerance Torque	35.0kg.cm Max					
	Reduction Ratio	1/3.7 1/5.2	1/14 1/19 1/27	1/51 1/100 1/139	1/189 1/369 1/721	1/264 1/515 1/721	1/977 1/1910 1/2671 1/3736
	Number Of Gear Stages	1	2	3	4	5	
	Gearbox Length L (mm)	26.5mm	34.5mm	42.5mm	50.5mm	58.5mm	

MOTOR TECHNICAL DATA

Model	Ratio	Voltage		No Load		At Rated Load			Stall	
		Operation Range	Nominal	Speed	Current	Speed	Current	Torque	Current	Torque
NFP36-555S-A26-3-7	1:3.7	6.0-15.0V	12.0V	1600r/min	≤400mA	760r/min	≤2.2A	2.0kg.cm	≤9.5A	≥3.5kg.cm
NFP36-555S-A26-50	1:5.2	6.0-15.0V	12.0V	1150r/min	≤400mA	880r/min	≤2.2A	3.0kg.cm	≤9.5A	≥6.0kg.cm
NFP36-555S-A26-14	1:14	6.0-15.0V	12.0V	425r/min	≤400mA	255r/min	≤2.2A	7.0kg.cm	≤9.5A	≥14.0kg.cm
NFP36-555S-A26-19	1:19	6.0-15.0V	12.0V	315r/min	≤400mA	160r/min	≤2.2A	10.0kg.cm	≤9.5A	≥20.0kg.cm
NFP36-555S-A26-27	1:27	6.0-15.0V	12.0V	220r/min	≤400mA	95r/min	≤2.2A	14.0kg.cm	≤9.5A	≥40.0kg.cm
NFP36-555S-A26-51	1:51	6.0-15.0V	12.0V	115r/min	≤400mA	53r/min	≤2.2A	25.0kg.cm	≤9.5A	Cannot exceed 60.0kg.cm
NFP36-555S-A26-100	1:100	6.0-15.0V	12.0V	60r/min	≤400mA	31r/min	≤2.2A	40.0kg.cm	≤9.5A	
NFP36-555S-A26-139	1:139	6.0-15.0V	12.0V	43r/min	≤400mA	50r/min	≤2.2A	40.0kg.cm	≤9.5A	
NFP36-555S-A26-264	1:264	6.0-15.0V	12.0V	22r/min	≤400mA	10r/min	≤2.2A	40.0kg.cm	≤9.5A	
NFP36-555S-A26-515	1:515	6.0-15.0V	12.0V	11r/min	≤400mA	7r/min	≤2.2A	40.0kg.cm	≤9.5A	
NFP36-555S-A45-3-7	1:3.7	10.0-26.0V	24.0V	1350r/min	≤250mA	660r/min	≤1.5A	1.5kg.cm	≤6.5A	≥3.0kg.cm
NFP36-555S-A45-50	1:5.2	10.0-26.0V	24.0V	960r/min	≤250mA	480r/min	≤1.5A	2.0kg.cm	≤6.5A	≥4.5kg.cm
NFP36-555S-A45-14	1:14	10.0-26.0V	24.0V	355r/min	≤250mA	175r/min	≤1.5A	5.0kg.cm	≤6.5A	≥13.0kg.cm
NFP36-555S-A45-19	1:19	10.0-26.0V	24.0V	260r/min	≤250mA	165r/min	≤1.5A	7.0kg.cm	≤6.5A	≥18.0kg.cm
NFP36-555S-A45-27	1:27	10.0-26.0V	24.0V	185r/min	≤250mA	150r/min	≤1.5A	10.0kg.cm	≤6.5A	≥25.0kg.cm
NFP36-555S-A45-51	1:51	10.0-26.0V	24.0V	98r/min	≤250mA	80r/min	≤1.5A	20.0kg.cm	≤6.5A	≥40.0kg.cm
NFP36-555S-A45-100	1:100	10.0-26.0V	24.0V	50r/min	≤250mA	40r/min	≤1.5A	40.0kg.cm	≤6.5A	Cannot exceed 60.0kg.cm
NFP36-555S-A45-139	1:139	10.0-26.0V	24.0V	36r/min	≤250mA	28r/min	≤1.5A	40.0kg.cm	≤6.5A	
NFP36-555S-A45-264	1:264	10.0-26.0V	24.0V	19r/min	≤250mA	15r/min	≤1.5A	40.0kg.cm	≤6.5A	
NFP36-555S-A45-515	1:515	10.0-26.0V	24.0V	9.7r/min	≤250mA	8r/min	≤1.5A	40.0kg.cm	≤6.5A	