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25MM SMALL DC GEARMOTOR – 48MM TYPE MODEL NFP- JGA25-370

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48MM TYPE MODEL NFP-JGA25-370





25MM SMALL DC GEARMOTOR – 48MM TYPE MODEL NFP-JGA25-370

\$10.00

370 DC Metal Gearbox Motor Small Volume Price (USD)

QTY BREAK	UNIT PRICE
1+	\$10.00
100+	\$8.00
1,000+	\$3.45

[Contact us](#) for a quotation for production quantities, customizations and integration.

Voltage

12V DC



Speed

280rpm



[Clear](#)

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Description

Additional information

Reviews (2)

DC Electric Motor NFP-25-370 JGA25-370 Datasheet

Motor Model	NFP-JGA25-370
Rated Voltage	6V DC / 12V DC / 24V DC
No-load Speed	12rpm – 1,931rpm
No-load Current	0.05A – 0.15A
Output Shaft Diameter	4mm
Output Shaft Length	10mm
Weight	110g
Output Power	2.7W – 4.8W

Support Forward and Reverse | Multi-Speed Optional | Support Speed Regulation | Long Lifetime | Strong Performance | Support Customization | High Torque

Model: NFP-JGA25-370-0660, 6V DC, 6,000RPM, 2.7W

Ratio	No Load		Rated Load			Stall	
	Speed	Current	Speed	Current	Torque	Current	Torque
4.4: 1	1360 rpm	0.1A	1000 rpm	0.45A	0.1kg.cm	2A	0.35kg.cm

Ratio	No Load		Rated Load				
	9.6: 1	620 rpm	0.1A	450 rpm	0.45A	0.22kg.cm	2A
21.3: 1	280 rpm	0.1A	220 rpm	0.45A	0.5kg.cm	2A	1.7kg.cm
35: 1	170 rpm	0.1A	130 rpm	0.45A	0.82kg.cm	2A	2.8kg.cm
45: 1	130 rpm	0.1A	100 rpm	0.45A	1kg.cm	2A	3.6kg.cm
78: 1	77 rpm	0.1A	60 rpm	0.45A	2kg.cm	2A	6.2kg.cm
103: 1	60 rpm	0.1A	46 rpm	0.45A	2.7kg.cm	2A	8.2kg.cm
171: 1	35 rpm	0.1A	27 rpm	0.45A	4kg.cm	2A	12kg.cm
226: 1	26 rpm	0.1A	20 rpm	0.45A	5kg.cm	2A	15kg.cm
377: 1	16 rpm	0.1A	12 rpm	0.45A	8kg.cm	2A	24kg.cm
500: 1	12 rpm	0.1A	9 rpm	0.45A	9kg.cm	2A	27kg.cm

Model: NFP-JGA25-370-1260, 12V DC, 6,000RPM, 3.6W

Ratio	No Load		Rated Load			Stall	
	Speed	Current	Speed	Current	Torque	Current	Torque
4.4: 1	1360 rpm	0.06A	1000 rpm	0.3A	0.1kg.cm	1.3A	0.4kg.cm
9.6: 1	620 rpm	0.06A	450 rpm	0.3A	0.22kg.cm	1.3A	0.8kg.cm

Ratio	No Load		Rated Load				
	Speed	Current	Speed	Current	Torque	Current	Torque
21.3: 1	280 rpm	0.06A	220 rpm	0.3A	0.5kg.cm	1.3A	1.7kg.cm
35: 1	170 rpm	0.06A	130 rpm	0.3A	0.82kg.cm	1.3A	2.8kg.cm
45: 1	130 rpm	0.06A	100 rpm	0.3A	1kg.cm	1.3A	3.6kg.cm
78: 1	77 rpm	0.06A	60 rpm	0.3A	2kg.cm	1.3A	6.2kg.cm
103: 1	60 rpm	0.06A	46 rpm	0.3A	2.7kg.cm	1.3A	8.2kg.cm
171: 1	35 rpm	0.06A	27 rpm	0.3A	4kg.cm	1.3A	12kg.cm
226: 1	26 rpm	0.06A	20 rpm	0.3A	5kg.cm	1.3A	15kg.cm
377: 1	16 rpm	0.06A	12 rpm	0.3A	8kg.cm	1.3A	24kg.cm
500: 1	12 rpm	0.06A	9 rpm	0.3A	9kg.cm	1.3A	27kg.cm

Model: NFP-JGA25-370-2460, 24V DC, 6,000RPM, 3.6W

Ratio	No Load		Rated Load			Stall	
	Speed	Current	Speed	Current	Torque	Current	Torque
4.4: 1	1360 rpm	0.04A	1000 rpm	0.15A	0.1kg.cm	0.8A	0.35kg.cm
9.6: 1	620 rpm	0.04A	450 rpm	0.15A	0.22kg.cm	0.8A	0.75kg.cm
21.3: 1	280 rpm	0.04A	220 rpm	0.15A	0.5kg.cm	0.8A	1.7kg.cm
35: 1	170 rpm	0.04A	130 rpm	0.15A	0.82kg.cm	0.8A	2.8kg.cm

Ratio	No Load		Rated Load				
	Speed	Current	Speed	Current	Torque	Current	Torque
45: 1	130 rpm	0.04A	100 rpm	0.15A	1kg.cm	0.8A	3.6kg.cm
78: 1	77 rpm	0.04A	60 rpm	0.15A	2kg.cm	0.8A	6.2kg.cm
103: 1	60 rpm	0.04A	46 rpm	0.15A	2.7kg.cm	0.8A	8.2kg.cm
171: 1	35 rpm	0.04A	27 rpm	0.15A	4kg.cm	0.8A	12kg.cm
226: 1	26 rpm	0.04A	20 rpm	0.15A	5kg.cm	0.8A	15kg.cm
377: 1	16 rpm	0.04A	12 rpm	0.15A	8kg.cm	0.8A	24kg.cm
500: 1	12 rpm	0.04A	9 rpm	0.15A	9kg.cm	0.8A	27kg.cm

Model: NFP-JGA25-370-0685, 6V DC, 8,500RPM, 3.6W

Ratio	No Load		Rated Load			Stall	
	Speed	Current	Speed	Current	Torque	Current	Torque
4.4: 1	1931 rpm	0.15A	1370 rpm	0.6A	0.16kg.cm	2.6A	0.5kg.cm
9.6: 1	915 rpm	0.15A	640 rpm	0.6A	0.35kg.cm	2.6A	1kg.cm
21.3: 1	399 rpm	0.15A	280 rpm	0.6A	0.6kg.cm	2.6A	2.4kg.cm
35: 1	242 rpm	0.15A	175 rpm	0.6A	1kg.cm	2.6A	3.9kg.cm

Ratio	No Load		Rated Load				
	Speed	Current	Speed	Current	Torque	Current	Torque
45: 1	188 rpm	0.15A	130 rpm	0.6A	1.3kg.cm	2.6A	5kg.cm
78: 1	108 rpm	0.15A	76 rpm	0.6A	2kg.cm	2.6A	8.6kg.cm
103: 1	82 rpm	0.15A	62 rpm	0.6A	2kg.cm	2.6A	11.4kg.cm
171: 1	50 rpm	0.15A	35 rpm	0.6A	4kg.cm	2.6A	18.8kg.cm
226: 1	37 rpm	0.15A	26 rpm	0.6A	5kg.cm	2.6A	20kg.cm
377: 1	22 rpm	0.15A	16 rpm	0.6A	8kg.cm	2.6A	32kg.cm
500: 1	17 rpm	0.15A	12 rpm	0.6A	9kg.cm	2.6A	36kg.cm

Model: NFP-JGA25-370-1285, 12V DC, 8,500RPM, 4.8W

Ratio	No Load		Rated Load			Stall	
	Speed	Current	Speed	Current	Torque	Current	Torque
4.4: 1	1931 rpm	0.1A	1370 rpm	0.4A	0.16kg.cm	2.6A	0.5kg.cm
9.6: 1	915 rpm	0.1A	640 rpm	0.4A	0.35kg.cm	2.6A	1kg.cm
21.3: 1	399 rpm	0.1A	280 rpm	0.4A	0.6kg.cm	2.6A	2.4kg.cm
35: 1	242 rpm	0.1A	175 rpm	0.4A	1kg.cm	2.6A	3.9kg.cm

Ratio	No Load		Rated Load				
	Speed	Current	Speed	Current	Torque	Current	Torque
45: 1	188 rpm	0.1A	130 rpm	0.4A	1.3kg.cm	2.6A	5kg.cm
78: 1	108 rpm	0.1A	76 rpm	0.4A	2kg.cm	2.6A	8.6kg.cm
103: 1	82 rpm	0.1A	62 rpm	0.4A	2.7kg.cm	2.6A	11.4kg.cm
171: 1	50 rpm	0.1A	35 rpm	0.4A	4kg.cm	2.6A	18.8kg.cm
226: 1	37 rpm	0.1A	26 rpm	0.4A	5kg.cm	2.6A	20kg.cm
377: 1	22 rpm	0.1A	16 rpm	0.4A	8kg.cm	2.6A	32kg.cm
500: 1	17 rpm	0.1A	12 rpm	0.4A	9kg.cm	2.6A	36kg.cm

Model: NFP-JGA25-370-2485, 24V DC, 8,500RPM, 4.8W

Ratio	No Load		Rated Load			Stall	
	Speed	Current	Speed	Current	Torque	Current	Torque
4.4: 1	1931 rpm	0.05A	1370 rpm	0.2A	0.16kg.cm	1.2A	0.5kg.cm
9.6: 1	915 rpm	0.05A	640 rpm	0.2A	0.35kg.cm	1.2A	1kg.cm
21.3: 1	399 rpm	0.05A	280 rpm	0.2A	0.6kg.cm	1.2A	2.4kg.cm
35: 1	242 rpm	0.05A	175 rpm	0.2A	1kg.cm	1.2A	3.9kg.cm

Ratio	No Load		Rated Load				
	rpm	Current (A)	rpm	Current (A)	Torque (kg.cm)	Current (A)	Torque (kg.cm)
45: 1	188 rpm	0.05A	130 rpm	0.2A	1.3kg.cm	1.2A	5kg.cm
78: 1	108 rpm	0.05A	76 rpm	0.2A	2kg.cm	1.2A	8.6kg.cm
103: 1	82 rpm	0.05A	62 rpm	0.2A	2.7kg.cm	1.2A	11.4kg.cm
171: 1	50 rpm	0.05A	35 rpm	0.2A	4kg.cm	1.2A	18.8kg.cm
226: 1	37 rpm	0.05A	26 rpm	0.2A	5kg.cm	1.2A	20kg.cm
377: 1	22 rpm	0.05A	16 rpm	0.2A	8kg.cm	1.2A	32kg.cm
500: 1	17 rpm	0.05A	12 rpm	0.2A	9kg.cm	1.2A	36kg.cm

Over 377 ratio the motor is forbidden to be locked.

Note: all reduced no-load speeds have a tolerance of $\pm 15\%$.

Standard Operation Conditions

- **Pure Copper Coil** - High Temperature Resistance, Strong Power, Long Lifetime
- **Gear** - Metal Processing, Powder Metallurgy
- **Motor Shell** - Aluminum Alloy Shell, Sturdy And Wear-Resistant
- **Bearing** - The Bearing Fixes The Output Shaft And Is Not Easy To Shift
- **Embossing** - Fixed Gear, Reliable And Firm
- **Output Shaft** - Customizable Shaft Type

High-Precision Rotor-Pure Copper Coil, Stable Output, Made of High-Quality Materials of One-Time Forming Rotor, High Conductivity, Long Wear Life, High Temperature Resistance, Stable Speed, Effective Dust

Isolation, Wear Resistance, Long Life, No F

Environment.

Metal Gears Are Stable And Efficient. High-Quality Metal Materials Are Used. It Has Good Impact Resistance, Durability, Low Noise, Prolongs The Service Life of The Gearbox, Has A Higher Torque, It Is Not Easy To Get Hot.

Ball Bearing, Internal Grease Cooling Fan, Higher Efficiency, Stable Operation, Adjustable Speed, Forward And Reverse, Support Customization. Imported Bearings, High-Quality Carbon Brushes, Higher Speed, Not Easy To Burn, High Load Resistance, Not Easy To Fade And Rust. Low Noise And High Efficiency.

RK370CA Motor 12V DC Gear Motor Outline Drawing

What Is The Speed Range

- The Lower The Governor, The Slower The Speed And The Smaller The Torque
- The Greater The Speed Ratio, The Slower The Speed And The Greater The Torque
- The Smaller The Speed Ratio, The Faster The Speed, The Lower The Torque

JGA25-370 Mass Production

Applications:

Office Automation, Home Automation, Production Automation, Medical Equipment, Security Equipment, Consumer Electronics, Model Aircraft, Automotive Electronics. Bank ATM Machines, Automatic Money Counters, Banknote Sorting Machines, Vending Machines, Photocopiers, Video Recorders, Smart Cars, Mahjong Tables, Safes, Printers

Keywords:

24v dc gear motor, micro metal gear motor, dc gear motor, micro metal gearmotor with encoder, jga25 370 datasheet, 25ga 370 datasheet, jga25 370 encoder datasheet