驰海电机
CHIHAI MOTOR

ChiHai Motor CHR-GM37-3429ABHL 37mm eccentric Large Torque Metal Tubular DC gear motor with encoder For robot

1 order

US $14.10 ~~US $18.80~~ -25%

Speed(RPM): ratio 90

ratio 6 | ratio 18 | ratio 30 | ratio 50 | ratio 90 | ratio 150 | ratio 270 | ratio 450 | ratio 10

Voltage(V): DC 12V

DC 12V | 6V

Quantity:

– 1 +

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OVERVIEW | CUSTOMER REVIEWS (0) | SPECIFICATIONS

Product Description

Product Type:CHR-GM37-3429ABHL

DC12V 6V Large Torque Metal Tubular eccentric Gearbox Reduction Gear Motor with encoder carbon brush dc mini encoder motor for balancing trolley/Robot

Output shaft length:21mm D 12mm

Motor diameter:∮37mm

Voltage range:DC6-12.0V

Weight:about 200g

Application:Intelligent self-balancing dual-wheel car, intelligent tracking car, intelligent appliances, robot, camera rocker arm, electric paper cutter, etc

Shaft Connector
Precision Gear
Intelligent Car Tire
Others

Top Selling

US $8.40
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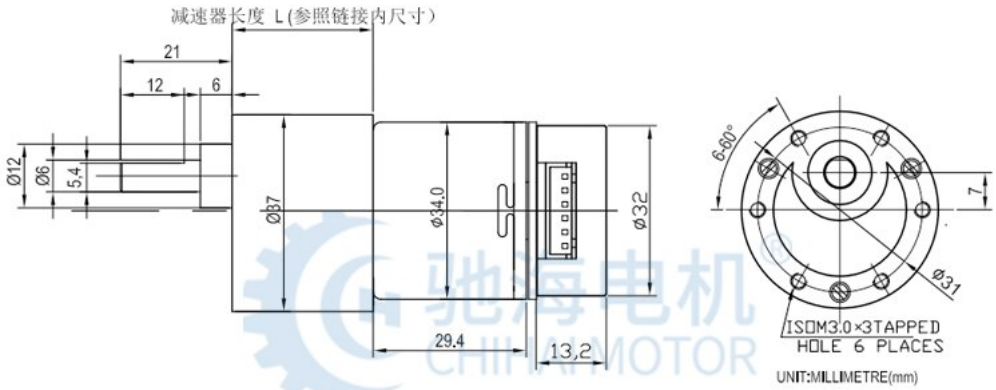
Detailed Images

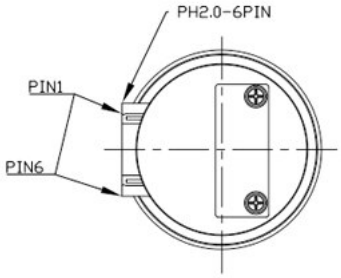
PRODUCT INFORMATION

Brand	CHIHAI MOTOR
Model	CHR-GM37-3429 ABHL Carbon brush dc motor with high torque
Diameter	Φ37mm
Shaft Length	21mm D 12mm
Voltage	DC 6-12V (Other voltages can be customized in batches)
Weight	About 200g
Wiring specification	PH2.0 (Standard wiring)
Encoder specifications	AB dual phase encoder 11 line basic signal voltage 3.3V or 5.0V
Application	Intelligent self-balancing dual-wheel car, intelligent tracking car, intelligent appliances, robot,camera rocker arm,electric paper cutter,etc

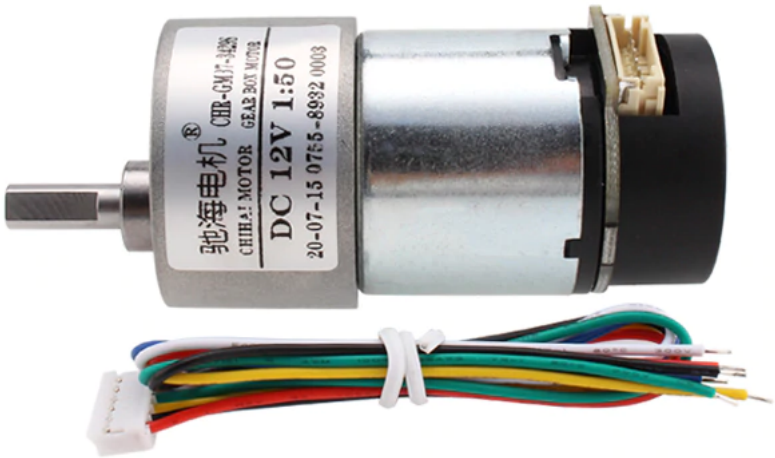
Size



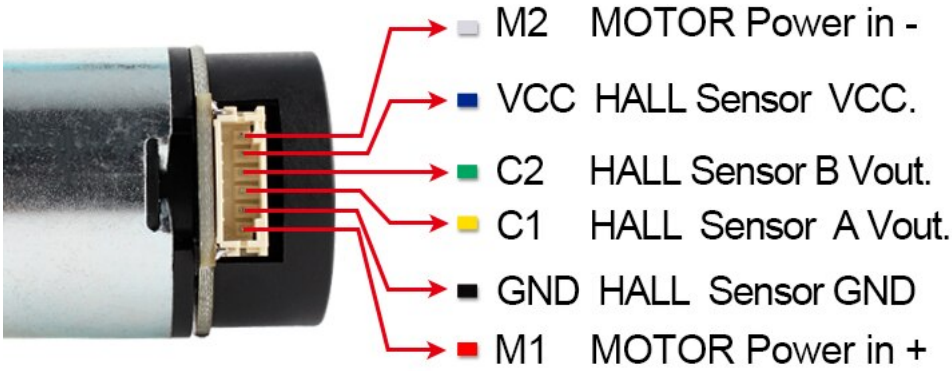
GEAR BOX L	RATIO
19.0 mm	6.3 / 10
21.5 mm	18.8 / 30
24.0 mm	50 / 67 / 90
26.5 mm	150 / 210 / 260
29.0 mm	150 / 630 / 810



PIN1- M2	MOTOR POWER IN - (White wire)
PIN2- VCC	HALL SENSOR VCC.(Blue wire)
PIN3- C2	C2 HALL SENSOR B Vout(Green wire)
PIN4- C1	C1 HALL SENSOR A Vout(Yellow wire)
PIN5- GND	HALL SENSOR GND.(Black wire)
PIN6- M1	MOTOR POWER IN + (Red wire)



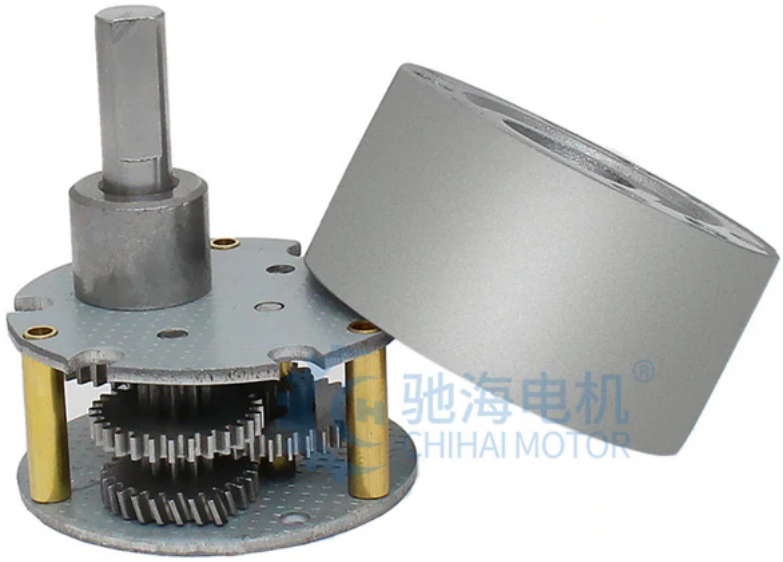
Holzer Encoder Data



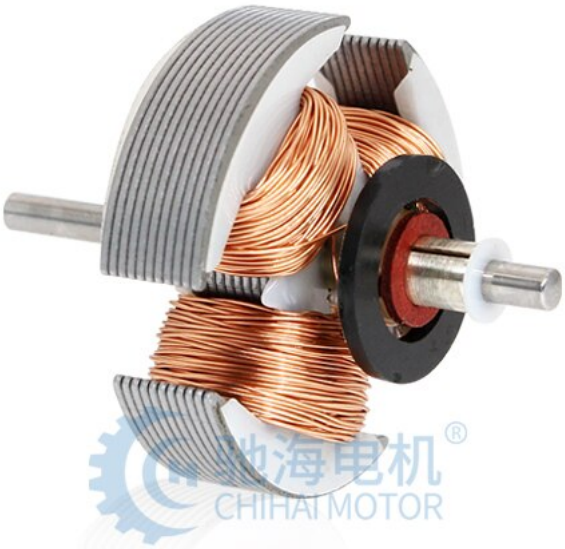
Encoders Conflg	
Type:	AB dual phase incremental encoder
Pulse outputs of rotation:	Basic pulse 11PPR x gear reduction ratio
Holzer power supply voltage:	DC 3.3V/DC 5.0V
Basic function:	With the pull-up shaping resistor,the single-chip microcomputer can be used
Encoder Interface type:	PH2.0 (Standard wiring)
Output signal type:	Square wave AB phase
Response frequency	100kHz
Basic pulse number:	11 PPR
poles of magnetic ring:	22 poles(11 pairs of poles)

Detail

All Metal Gear



Pure Copper Winding



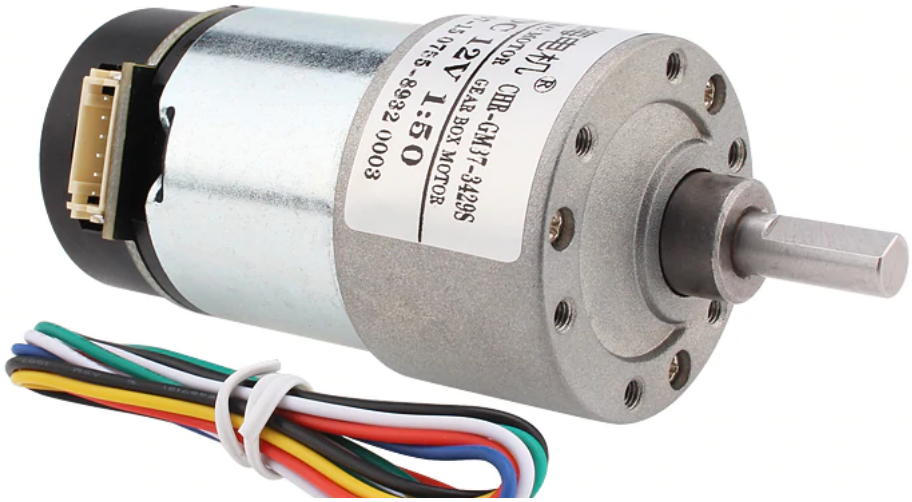
With Encoder Protection Cover

Product Paramenters

MOTOR Specifications

Model:CHR-GM37-3429S ABHL Carbon brush dc motor with high torque									
Voltage: DC 12.0V max power 11W									
Reduction ratio	1: 6.3	1: 10	1:18.8	1: 30	1: 50	1: 90	1: 150	1: 270	1: 450
No-load current(mA)	≤300	≤300	≤300	≤300	≤300	≤300	≤300	≤300	≤300
No-load speed(rpm)	**1550**	**1000**	**530**	**330**	**200**	**110**	**65**	**36**	**22**
Rated torque(Kg.cm)	1.0	1.6	3.0	4.8	8.0	14.0	24.0	30.0	30.0
Rated torque(N.m)	0.1	0.16	0.3	0.48	0.8	1.4	2.4	3	3
Rated speed(rpm)	950	600	320	200	120	65	40	27	16
Rated current(A)	≤2.3	≤2.3	≤2.3	≤2.3	≤2.3	≤2.3	≤2.1	≤1.9	≤1.7
Stall torque(kg.cm)	≥2.5	≥4.0	≥7.5	≥12	≥20	Can't exceed 30.0kg.cm(3.0N.m)			
Stall current(A)	≤7.0	≤7.0	≤7.0	≤7.0	≤7.0	≤7.0	≤7.0	≤7.0	≤7.0
HALL Signal(11×RATIO)	69	110	207	330	550	990	1650	2970	4950
Reducer length L(mm)	19.0	19.0	21.5	21.5	24.0	24.0	26.5	26.5	29.0
Voltage: DC 6.0V max power 2.6W									
Reduction ratio	1: 6.3	1: 10	1:18.8	1: 30	1: 50	1: 90	1: 150	1: 270	1: 450
No-load current (mA)	≤200	≤200	≤200	≤200	≤200	≤200	≤200	≤200	≤200
No-load speed(rpm)	**775**	**500**	**265**	**165**	**100**	**55**	**32**	**18**	**11**
Rated torque(Kg.cm)	0.5	0.8	1.5	2.4	4.0	7.0	12.0	21.0	30.0
Rated torque(N.m)	0.05	0.08	0.15	0.24	0.4	0.7	1.2	2.1	3.0
Rated speed(rpm)	470	300	160	100	60	32	20	11	6.5
Rated current(A)	≤1.4	≤1.4	≤1.4	≤1.4	≤1.4	≤1.4	≤1.4	≤1.4	≤1.4
Stall torque(kg.cm)	≥1.2	≥2.0	≥3.7	≥6.0	≥10	≥18	Can't exceed 30.0kg.cm(3.0N.m)		
Stall current(A)	≤3.5	≤3.5	≤3.5	≤3.5	≤3.5	≤3.5	≤3.5	≤3.5	≤3.5

Product Display



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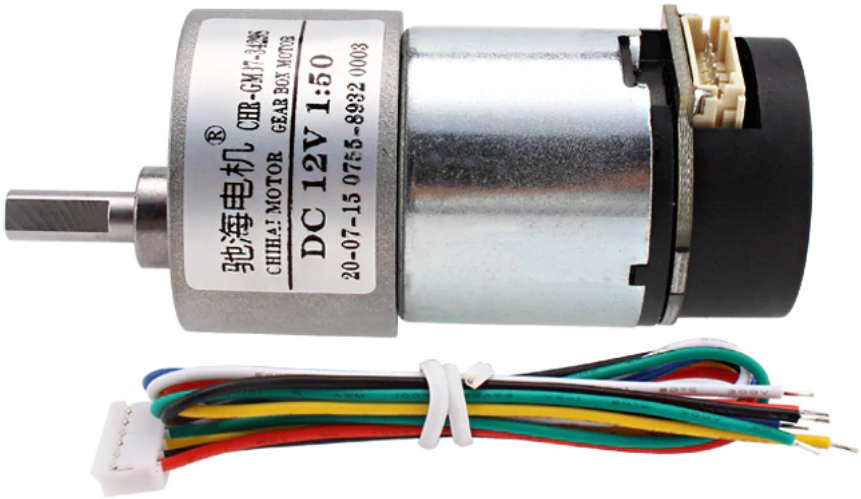

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Application

Certifications

第 20322703 号

商 标 注 册 证

驰海电机
CHIHAI MOTOR

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注 册 人 深圳市驰海电机有限公司

注册人地址 广东省深圳市坪山新区江岭社区江边路93号3楼

注册日期 2017年08月07日 有效期至 2027年08月06日

局 长 刘俊辰 发证机关 中华人民共和国国家工商行政管理总局 商标局

ATL

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Web: http://www.atllab.org
Floor 5,Genesis Zhongye Building,No.22, Puzai Road,Pingdi Street,Longgang District, Shenzhen,Guangdong,China (518000)

EC-Certification of Conformity

EMC Directive 2014,30,EU

Registration No.:	ATL20190301114
Applicant:	Shenzhen Chihai Motor Co.,Ltd
Applicant Address:	No. 18 Qingcaolin Second Industrial Zone, Pingshan New District, Shenzhen, CHINA
Manufacturer:	Shenzhen Chihai Motor Co.,Ltd
Manufacturer Address:	No. 18 Qingcaolin Second Industrial Zone, Pingshan New District, Shenzhen, CHINA
Product Designation:	GEAR BOX MOTOR
Brand Name:	CHIHAI MOTOR
Model , Series Models:	CHR-GM25,CHF-GM12,CHR-GM16,CHW-GW4632,CHW-GW4058,CHF-GM3865, CHR-GM20;CHR-GM37,CHP-36GP,CHE-48GE

Requirement	Applied Standards	Document Evidence	Result
EMC Directive	EN 61000-6-1:2017 EN 61000-6-3:2007/A1:2011/AC:2012.	Test Report: ATL20190301114E01	Conform

CE EMC tested

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