

# 小型交流减速电机型号说明方法

## TYPE AND MOTOR MODEL

### ■ 减速电机型号说明 Description Of Motor Model

ZH - 100 - 50 - SZ - B - G1 - LD - Q1

①      ②      ③      ④      ⑤      ⑥      ⑦      ⑧

① 箱体结构基本代号 Basic Structure; ZH(卧式Horizontal), ZV(立式Vertical)

② 输出功率 Output:100W,200W,400W,750W,1100W,1500W,2200W,3000W,3700W

③ 齿轮箱的减速比 Gear Ratio:3,5,10...1800

④ 电机的基本结构 Motor Basic Data:

S:三相电机 3-Phase Motor,220-240/380-415V,50/60Hz

C:单相电机 1-Phase Motor,220V,50/60Hz

E:单相电机 1-Phase Motor,110V,50/60Hz

DV:单相双电压电机 Double Voltage Motor,110V/220V,50/60Hz

Z:缩框型减速电机 Light Type Duty

⑤ 刹车器 Brake Unit

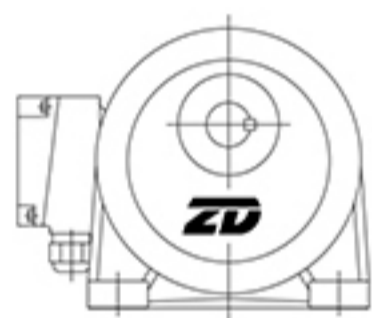
B:DC断电刹车器 Brake Unit (另配交变直快速整流器) With Quick Rectifier From AC To DC

YB:手持放刹车器 Manual Brake Unit

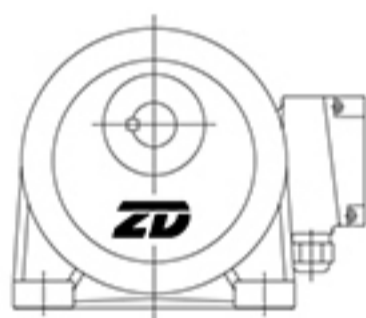
⑥ 出轴端看接线盒方位 (如图示) Terminal Box Direction From Output Shaft

G1:左方向Left G2:右方向Right G3:上方向Top G4:下方向Down

ZH 型  
ZH Type



G1:左方向Left



G2:右方向Right

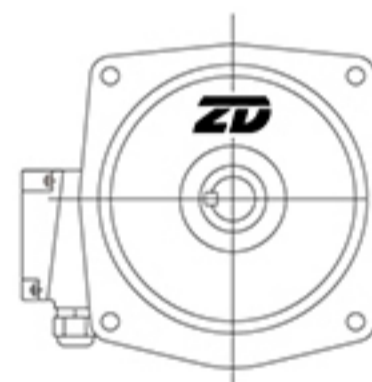


G3:上方向Top

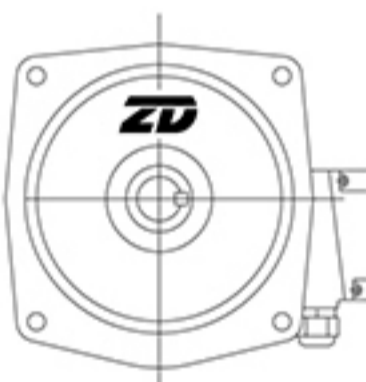


G4:下方向Down

ZV 型  
ZV Type



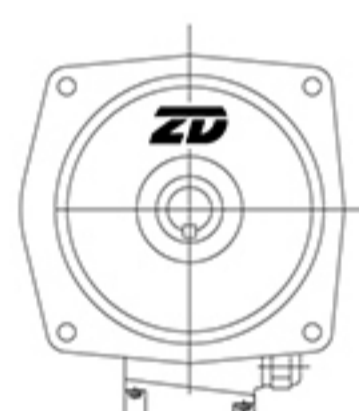
G1:左方向Left



G2:右方向Right



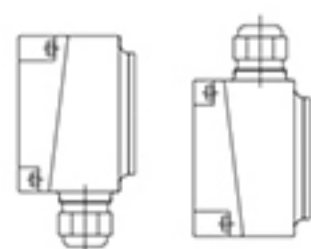
G3:上方向Top



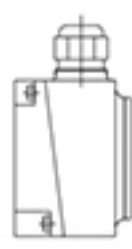
G4:下方向Down

⑦ 出轴端看引出线方位 (如图示) Lead Direction From Output Shaft

T:向上Top D:向下Down F:向前Forward B:向后Back L:向左Left R:向右Right



LD



LT



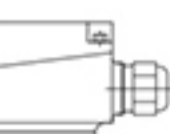
RD



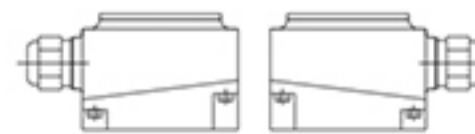
RT



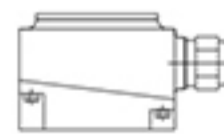
TL



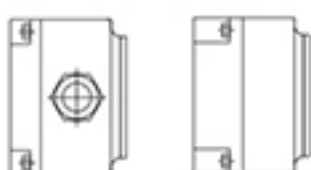
TR



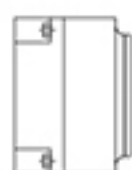
DL



DR



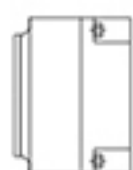
LF



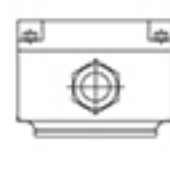
LB



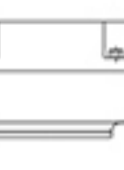
RF



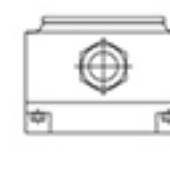
RB



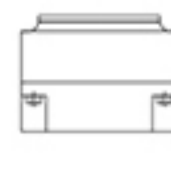
TF



TB



DF



DB

# 小型交流减速电机型号说明方法

## TYPE AND MOTOR MODEL

⑧ 出厂标准安装形式：Standard installation method

本公司出厂所有减速器适用如图安装形式

All of our company's reducer can be applied to the following kinds of installation method

图中Q1、Q4、Q7、Q8中注油孔方向为标准型

In the diagram, Q1, Q4, Q7, Q8 are our standard types of oil hole direction

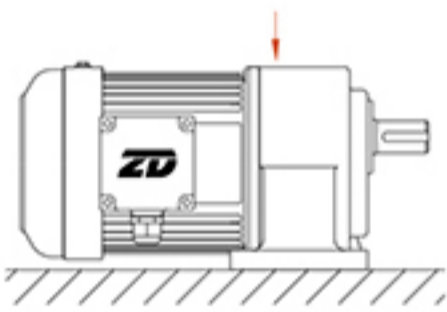
注油孔在特殊位置的，请特别告知，本公司将修改出气孔位置

Pls inform us if the location of oil hole is special, we will modify it

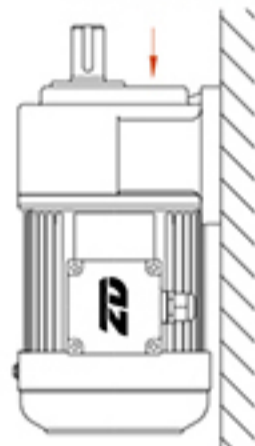
实际使用时，建议将注油孔中的堵油销拔出，以平衡减速箱内的压力

Pls pull out the pin of the oil plug to reduce the pressure in the gearbox during running

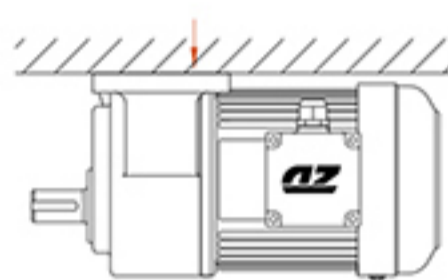
Q1 出气孔方向  
Air Hold Direction



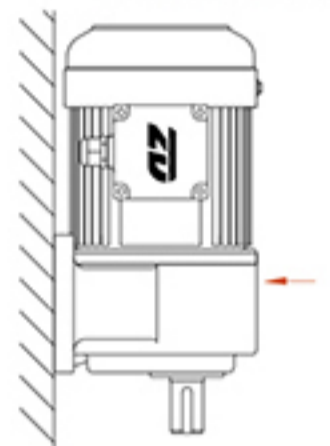
Q2 出气孔方向  
Air Hold Direction



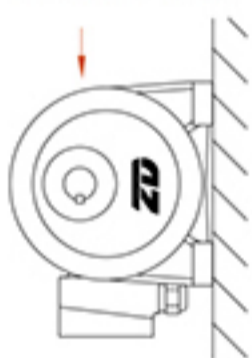
Q3 出气孔方向  
Air Hold Direction



Q4 出气孔方向  
Air Hold Direction



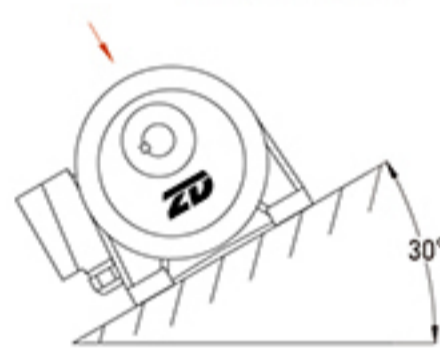
Q5 出气孔方向  
Air Hold Direction



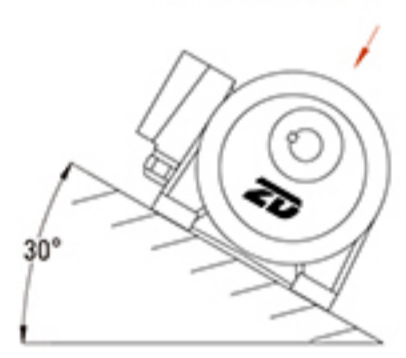
Q6 出气孔方向  
Air Hold Direction



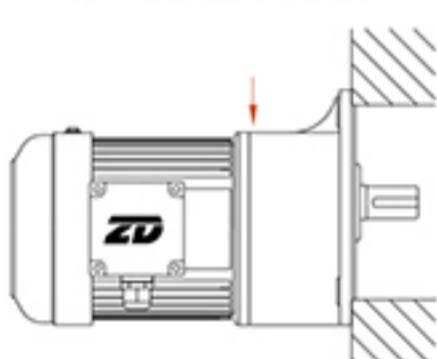
Q7 出气孔方向  
Air Hold Direction



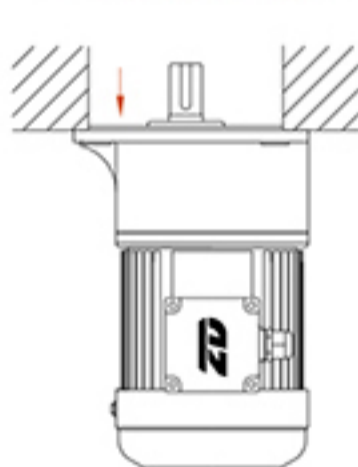
Q8 出气孔方向  
Air Hold Direction



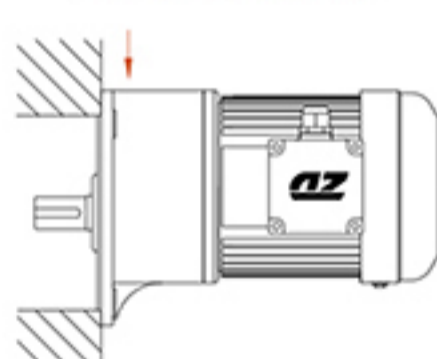
Q1 出气孔方向  
Air Hold Direction



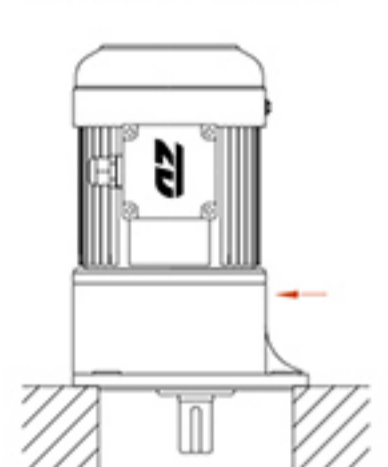
Q2 出气孔方向  
Air Hold Direction



Q3 出气孔方向  
Air Hold Direction



Q4 出气孔方向  
Air Hold Direction



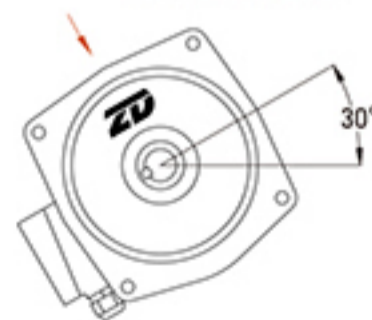
Q5 出气孔方向  
Air Hold Direction



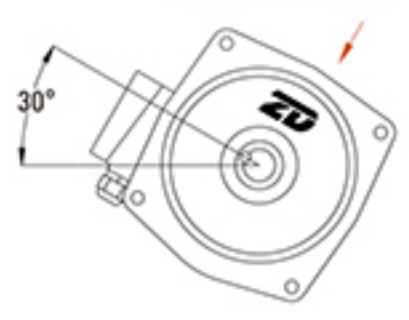
Q6 出气孔方向  
Air Hold Direction



Q7 出气孔方向  
Air Hold Direction



Q8 出气孔方向  
Air Hold Direction



备注：

订购变频电机时，请说明变频范围，减速电机的使用环境工作方式等。

带刹车减速电机总长度需增加10mm。

For motors supplied by transducer please tell us detailed working modes and working ambient.

The total length of brake motors will be 10mm longer than standard motors.

## 电机基本规范 Motor Specification

项目/Item	三相电机3-Phase Motor	单相电机1-Phase Motor
防护等级 Protection	铝合金壳接线盒为IP54,铁壳接线盒为IP20 IP54 With Alum Alloy Terminal Box, And Other Is IP20	
外壳材质 Frame Material	100W~3700W机壳为铝合金, 1#, 2#, 3#, 4#齿轮箱为铝合金, 5#, 6#齿轮箱为铸铁 Alum Alloy For 100W~2200W Frame, Alum Alloy For 1#, 2#, 3#, 4#Gear Case, 5#, 6# Cast Iron For Others	
工作方式 Duty	连续运转/Continuous running	
绝缘等级 INS.Class	B级(F级)可选/Optional	
适用环境 Environment	温度/Temp:-10°C~+40°C 湿度/Humidity:≤90%	
使用电压 Voltage	220-240/380-415V,50/60Hz	110V/50/60Hz,220V/50/60Hz
极数 Pole	4P(6P)	4P
海拔 Height	≤1000m	
起动方式 Starting	全压起动Direct Start	0.1-0.2KW单电容起动Capacitor 0.4-1.5KW双电容起动Double Capacitors
依据标准 Standard	GB755/IEC-60034	

## 单相电机配套电容值, 电容运转形式 Capacitor For 1-phase Motor, C-running Type

输出功率 Output Power	运转电容 Running Capacitor	起动电容 Starting Capacitor	运转电容+起动电容(离心开关) Running + Starting Capacitor(Centrifugal Switch)
100W,1/8 hp	8μF/450V	/	/
200W,1/4 hp	12μF/450V	/	/
400W,1/2 hp	/	/	15μF/450V+75μF/250V
750W,1 hp	/	/	25μF/450V+150μF/250V
1500W,2 hp	/	/	40μF/450V+200μF/250V

## 刹车性能说明 Function For Brake Unit

输出功率 Output Power	允许最高转速 Permit Max Rpm	刹车制动力 Torque(kg.m)	刹车间隙 Clearance(mm)	重量 Weight(kg)
1/8HP4P-1/4HP4P(100W-200W)	4000	0.15-0.40	0.4-1.2	2.0
1/2HP4P-1HP4P(400W-750W)	3600	0.25-0.7	0.5-1.3	4.3
1.5HP4P-2HP4P(1100W-1500W)	3600	0.92-2.0	0.5-1.4	6.3
3HP4P-5HP4P(2200W-3700W)	3600	1.80-3.5	0.5-1.5	7.0

## 输出轴允许最大轴径 Available Max Output Shaft Diameter

齿轮箱型号 Gear Box	标准出轴直径 Standard Output Shaft Dia	最大允许直径 Max Available Shaft Dia	输出端轴承 Output End Bearing
1#	Φ18	Φ20	6004
2#	Φ22	Φ25	6205
3#	Φ28	Φ30	6206
4#	Φ32	Φ35	6207
5#	Φ40	Φ45	6209
6#	Φ50	Φ55	6211