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HONGQI

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ISO9001:2000

FUAN HONGQI ELECTRICAL CO., LTD





公司简介

福安市红旗电机有限责任公司，位于享有“中国电机电器城”美誉的福建省福安市，是一家集科研、生产、销售为一体的专业电机生产企业。公司拥有13500多平方米的现代化标准厂房，先进的生产设备，完善的生产管理体系，专业的技术人员及高素质的员工队伍。现主要产品有：电动机、发电机、柴油机组、水泵等畅销全国，远销欧美、东南亚、非洲及中东等国际市场，以“一流的质量、一流的信誉和一流的服务”赢得广大客户的信赖。

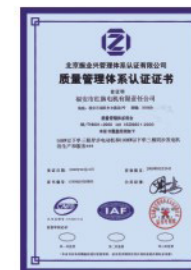
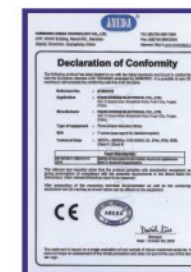
公司始终坚持“以顾客为中心，以质量为生命”的宗旨。产品已获得“国家强制性产品认证”、“出口产品质量许可证”并已通过ISO9001:2000质量管理体系认证。红旗人竭诚欢迎国内外各界朋友携手合作、共创辉煌！

Company Introduction

Fuan Hongqi Electrical Co., Ltd. is a comprehensive enterprise integrating scientific research, production and trade, lies in Fuan city, Fujian province, which is well known as “City of Electric Machinery and Appliances”.

The Company possesses modern standard workshops more than 13500 m², equipped with advanced high technical producing, Perfect production management system, and a staff of experienced and intelligent. The main products of our company are Electric Motors, Generators, Diesel/Gasoline Generator sets, Water pumps and so on. They are well received not only throughout domestic market, but also popular in many foreign countries, such as Europe and Latin America, South East Asia, Africa and Middle East. We take the lead with our top quality; good reputation and best service gain our customers' trust.

The company insists on the aim of "customer is the center and quality is the life". The products got the certificate of CCC, QC and ISO9001:2000 standard Management. Hongqi staff and company will do best to cooperate with every customer to make a happier and prosperous business cooperation.





HONGQI ELECTRICAL





Y

系列三相异步电动机 SERIES THREE-PHASE ASYNCHRONOUS INDUCTION MOTOR

简介

Y系列电动机是全封闭自扇冷式鼠笼型三相异步电动机，是全国统一设计的基本系列，它同时符合JB/T10391-2002和IEC34-1标准的有关规定，具有国际互换的特点。

Y系列电动机具有高效、节能、起动转矩大、噪音低、振动小、可靠性高、使用维护方便等特点。

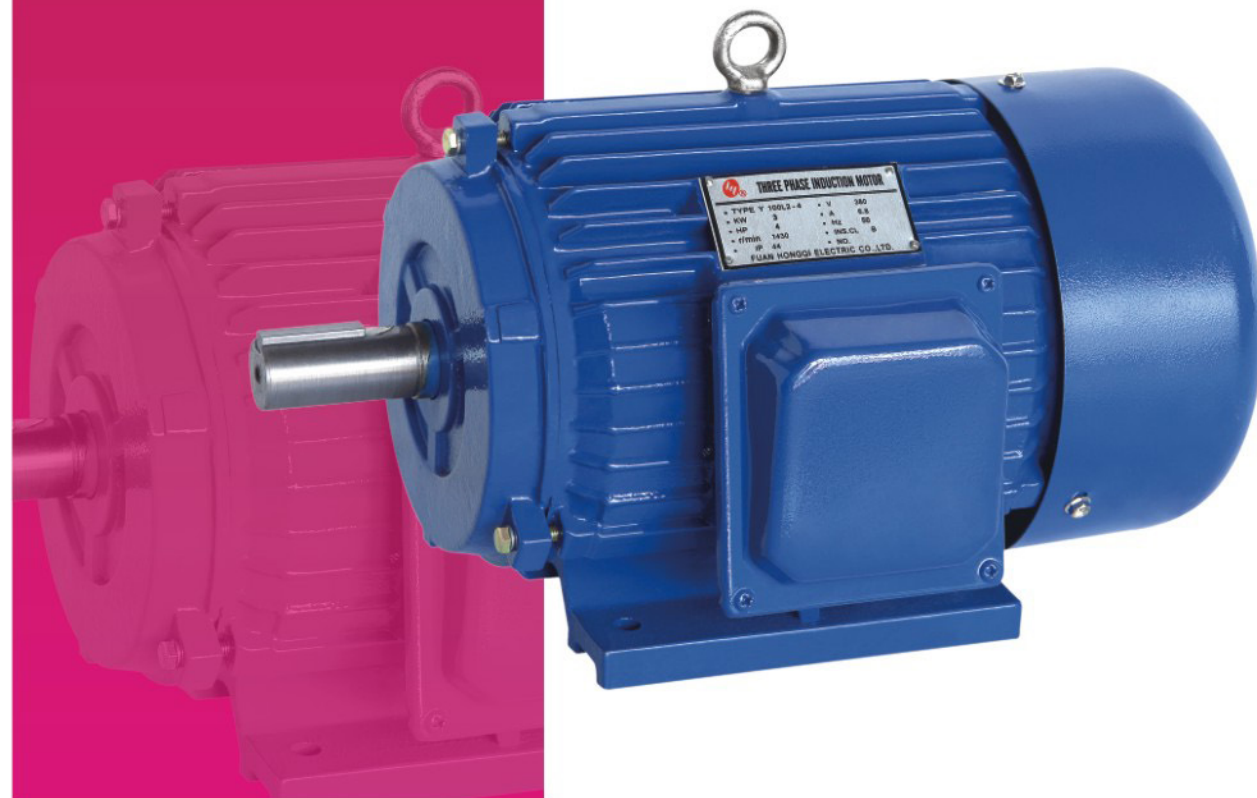
Y系列电动机广泛应用于不含易燃、易爆或腐蚀性气体的一般场合和特殊的机械设备上，如金属切削机床、泵、风机、运输机械、搅拌机、农业机械和食品机械等。

INTRODUCTION

Y series motors are totally enclosed fan cooled (TEFC), three-phase squirrel cage induction motors, it is national uniform design in conformity with the relevant standards of IEC34-1 and JB/T10391-2002, enjoys international interchangeable features.

Y series motors have outstanding performance such as high efficiency, energy saving, high starting torque, low noise, slight vibration, reliable operation and easy maintenance, etc.

Y series motors are widely used in places, where do not exists combustible, explosive or corrosive gas, and without any special requirements, such as machine tools, pumps, fans, transport machinery, mixer, agriculture machinery and food machines, etc.



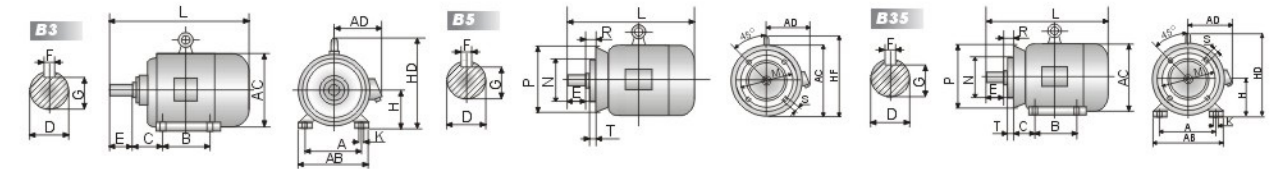
使用条件

- 1、环境温度：-15℃<q<40℃
 - 2、海拔：不超过1000m
 - 3、额定电压：380V、可选220-760V之间任何电压值。
 - 4、额定频率：50Hz、60Hz
 - 5、防护等级：IP44、IP54、IP55
 - 6、绝缘等级：B、F、H
 - 7、冷却方式：IC0141
 - 8、工作方式：S1(连续工作制)
 - 9、接法：3kW及以下Y接法，4kW及以上为△接法。
- 其它：可附带PTC热敏电阻，Y160及以上可带注油嘴结构

OPERATING CONDITIONS

- 1、Ambient temperature: -15℃<q<40℃
- 2、Altitude: not exceed 1000m
- 3、Rated voltage: 380V or any voltage between 220V-760V
- 4、Rated frequency: 50Hz、60Hz
- 5、Protection class: IP44、IP54、IP55
- 6、Insulation class: B、F、H
- 7、Cooling method: IC0141
- 8、Duty: S1(continuous)
- 9、Connection: Star-connection for up to 3kW, delta-connection for 4kW and above.

Remark: Motors can be equipped with PTC, for frame size 160 and above, also can be equipped with re-greasing system.



外形及安装尺寸 OVERALL AND MOUNTING DIMENSION

| 机座号 Frame Size | 极数 Poles | 安装尺寸 Mounting Dimension | | | | | | | | | | | 外形尺寸 Overall Dimension | | | | | | | | |
|-------------------|-------------|----------------------------|-----|-----|----|-----|----|------|-----|----|-----|-----|---------------------------|---|----|-----|-----|-----|-----|------|------|
| | | A | B | C | D | E | F | G | H | K | M | N | P | R | S | T | AB | AC | AD | HD | L |
| Y80 | 2,4 | 125 | 100 | 50 | 19 | 40 | 6 | 15.5 | 80 | 10 | 165 | 130 | 200 | 0 | 12 | 3.5 | 165 | 175 | 150 | 175 | 290 |
| Y90S | 2,4,6 | 140 | 100 | 56 | 24 | 50 | 8 | 20 | 90 | 10 | 165 | 130 | 200 | 0 | 12 | 3.5 | 180 | 195 | 160 | 195 | 315 |
| Y90L | 2,4,6 | 140 | 125 | 56 | 24 | 50 | 8 | 20 | 90 | 10 | 165 | 130 | 200 | 0 | 12 | 3.5 | 180 | 195 | 160 | 195 | 340 |
| Y100L | 2,4,6 | 160 | 140 | 70 | 28 | 60 | 8 | 24 | 100 | 12 | 215 | 180 | 250 | 0 | 15 | 4.0 | 205 | 215 | 180 | 245 | 380 |
| Y112M | 2,4,6 | 190 | 140 | 70 | 28 | 60 | 8 | 24 | 112 | 12 | 215 | 180 | 250 | 0 | 15 | 4.0 | 245 | 240 | 190 | 265 | 400 |
| Y132S | 2,4,6,8 | 216 | 140 | 89 | 38 | 80 | 10 | 33 | 132 | 12 | 265 | 230 | 300 | 0 | 15 | 4.0 | 280 | 275 | 210 | 315 | 475 |
| Y132M | 2,4,6,8 | 216 | 178 | 89 | 38 | 80 | 10 | 33 | 132 | 12 | 265 | 230 | 300 | 0 | 15 | 4.0 | 280 | 275 | 210 | 315 | 515 |
| Y160M | 2,4,6,8 | 254 | 210 | 108 | 42 | 110 | 12 | 37 | 160 | 15 | 300 | 250 | 350 | 0 | 19 | 5.0 | 325 | 325 | 255 | 385 | 600 |
| Y160L | 2,4,6,8 | 254 | 254 | 108 | 42 | 110 | 12 | 37 | 160 | 15 | 300 | 250 | 350 | 0 | 19 | 5.0 | 325 | 325 | 255 | 385 | 645 |
| Y180M | 2,4,6,8 | 279 | 241 | 121 | 48 | 110 | 14 | 42.2 | 180 | 15 | 300 | 250 | 350 | 0 | 19 | 5.0 | 355 | 360 | 285 | 430 | 670 |
| Y180L | 2,4,6,8 | 279 | 279 | 121 | 48 | 110 | 14 | 42.5 | 180 | 15 | 300 | 250 | 350 | 0 | 19 | 5.0 | 355 | 360 | 285 | 430 | 710 |
| Y200L | 2,4,6,8 | 318 | 305 | 133 | 55 | 110 | 16 | 49 | 200 | 19 | 350 | 300 | 400 | 0 | 19 | 5.0 | 395 | 400 | 310 | 475 | 775 |
| Y225S | 4,8 | 356 | 286 | 149 | 60 | 140 | 18 | 53 | 225 | 19 | 400 | 350 | 450 | 0 | 19 | 5.0 | 435 | 470 | 345 | 520 | 820 |
| Y225M | 2 | 356 | 311 | 149 | 55 | 110 | 16 | 49 | 225 | 19 | 400 | 350 | 450 | 0 | 19 | 5.0 | 435 | 470 | 345 | 520 | 815 |
| Y250M | 4,6,8 | 356 | 311 | 149 | 60 | 140 | 18 | 53 | 225 | 19 | 400 | 350 | 450 | 0 | 19 | 5.0 | 435 | 515 | 345 | 520 | 845 |
| Y250M | 2 | 406 | 349 | 168 | 60 | 140 | 18 | 53 | 250 | 24 | 500 | 450 | 550 | 0 | 19 | 5.0 | 490 | 470 | 385 | 575 | 930 |
| Y250M | 4,6,8 | 406 | 349 | 168 | 65 | 140 | 18 | 58 | 250 | 24 | 500 | 450 | 550 | 0 | 19 | 5.0 | 490 | 515 | 385 | 575 | 930 |
| Y280S | 2 | 457 | 368 | 190 | 65 | 140 | 18 | 58 | 280 | 24 | 500 | 450 | 550 | 0 | 19 | 5.0 | 550 | 585 | 410 | 640 | 1000 |
| Y280S | 4,6,8 | 457 | 368 | 190 | 75 | 140 | 20 | 67.5 | 280 | 24 | 500 | 450 | 550 | 0 | 19 | 5.0 | 550 | 585 | 410 | 640 | 1000 |
| Y280M | 2 | 457 | 419 | 190 | 65 | 140 | 18 | 58 | 280 | 24 | 500 | 450 | 550 | 0 | 19 | 5.0 | 550 | 585 | 410 | 640 | 1050 |
| Y280M | 4,6,8 | 457 | 419 | 190 | 75 | 140 | 20 | 67.5 | 280 | 24 | 500 | 450 | 550 | 0 | 19 | 5.0 | 550 | 585 | 410 | 640 | 1050 |
| Y315S | 2 | 508 | 406 | 216 | 65 | 140 | 18 | 58 | 315 | 28 | 600 | 550 | 660 | 0 | 24 | 6.0 | 744 | 645 | 576 | 865 | 1240 |
| Y315S | 4,6,8,10 | 508 | 406 | 216 | 80 | 170 | 22 | 71 | 315 | 28 | 600 | 550 | 660 | 0 | 24 | 6.0 | 744 | 645 | 576 | 865 | 1270 |
| Y315M | 2 | 508 | 457 | 216 | 65 | 140 | 18 | 58 | 315 | 28 | 600 | 550 | 660 | 0 | 24 | 6.0 | 744 | 645 | 576 | 865 | 1310 |
| Y315M | 4,6,8,10 | 508 | 457 | 216 | 80 | 170 | 22 | 71 | 315 | 28 | 600 | 550 | 660 | 0 | 24 | 6.0 | 744 | 645 | 576 | 865 | 1340 |
| Y315L | 2 | 508 | 508 | 216 | 65 | 140 | 18 | 58 | 315 | 28 | 600 | 550 | 660 | 0 | 24 | 6.0 | 744 | 645 | 576 | 865 | 1310 |
| Y315L | 4,6,8,10 | 508 | 508 | 216 | 80 | 170 | 22 | 71 | 315 | 28 | 600 | 550 | 660 | 0 | 24 | 6.0 | 744 | 645 | 576 | 865 | 1340 |
| Y355M | 2 | 610 | 560 | 254 | 75 | 140 | 20 | 67.5 | 355 | 28 | 740 | 680 | 800 | 0 | 24 | 6.0 | 740 | 750 | 680 | 1035 | 1540 |
| Y355M | 4,6,8,10 | 610 | 560 | 254 | 95 | 170 | 25 | 86 | 355 | 28 | 740 | 680 | 800 | 0 | 24 | 6.0 | 740 | 750 | 680 | 1035 | 1570 |
| Y355L | 2 | 610 | 630 | 254 | 75 | 140 | 20 | 67.5 | 355 | 28 | 740 | 680 | 800 | 0 | 24 | 6.0 | 740 | 750 | 680 | 1035 | 1540 |
| Y355L | 4,6,8,10 | 610 | 630 | 254 | 95 | 170 | 25 | 86 | 355 | 28 | 740 | 680 | 800 | 0 | 24 | 6.0 | 740 | 750 | 680 | 1035 | 1570 |



Y 系列三相异步电动机
SERIES THREE-PHASE ASYNCHRONOUS
INDUCTION MOTOR

HONGQI ELECTRICAL
MOTOR



技术数据 TECHNICAL DATA

| 型号 Model | 功率 Output | | 电流 Current (A) | 满载时 Full load | | 75%负载时 75% load | | 50%负载时 50% load | | 堵转转矩 额定转矩 Tstart/Tn | 堵转电流 额定电流 Ist/In | 最大转矩 额定转矩 Tmax/Tn | |
|---|--------------|------|----------------------|------------------------|------------------|-------------------------|------------------|-------------------------|------------------|---------------------------|------------------------|-------------------------|-------------------------|
| | kW | HP | | 转速 Speed (r/min) | 效率 Eff (%) | 功率因素 Power Factor | 效率 Eff (%) | 功率因素 Power Factor | 效率 Eff (%) | | | | 功率因素 Power Factor |
| 同步转速3000转/分 (2极) 380V 50Hz Synchronous Speed 3000 r/min (2 poles) | | | | | | | | | | | | | |
| Y801-2 | 0.75 | 1 | 1.81 | 2830 | 75.0 | 0.84 | 73.8 | 0.79 | 72.0 | 0.68 | 2.2 | 6.5 | 2.3 |
| Y802-2 | 1.1 | 1.5 | 2.52 | 2830 | 77.0 | 0.86 | 76.5 | 0.81 | 74.0 | 0.71 | 2.2 | 7.0 | 2.3 |
| Y90S-2 | 1.5 | 2 | 3.44 | 2840 | 78.0 | 0.85 | 77.5 | 0.80 | 76.0 | 0.71 | 2.2 | 7.0 | 2.3 |
| Y90L-2 | 2.2 | 3 | 4.83 | 2840 | 80.5 | 0.86 | 79.7 | 0.82 | 77.6 | 0.73 | 2.2 | 7.0 | 2.3 |
| Y100L-2 | 3.0 | 4 | 6.39 | 2870 | 82.0 | 0.87 | 81.3 | 0.83 | 79.3 | 0.74 | 2.2 | 7.0 | 2.3 |
| Y112M-2 | 4.0 | 5.5 | 8.17 | 2890 | 85.5 | 0.87 | 84.8 | 0.83 | 82.8 | 0.73 | 2.2 | 7.0 | 2.3 |
| Y132S1-2 | 5.5 | 7.5 | 11.1 | 2900 | 85.5 | 0.88 | 84.9 | 0.86 | 83.0 | 0.79 | 2.0 | 7.0 | 2.3 |
| Y132S2-2 | 7.5 | 10 | 15.0 | 2900 | 86.2 | 0.88 | 85.5 | 0.86 | 84.0 | 0.79 | 2.0 | 7.0 | 2.3 |
| Y160M1-2 | 11 | 15 | 21.8 | 2930 | 87.2 | 0.88 | 86.5 | 0.86 | 85.0 | 0.79 | 2.0 | 7.0 | 2.3 |
| Y160M2-2 | 15 | 20 | 29.4 | 2930 | 88.2 | 0.88 | 87.6 | 0.85 | 86.4 | 0.80 | 2.0 | 7.0 | 2.3 |
| Y160L-2 | 18.5 | 25 | 35.5 | 2930 | 89.0 | 0.89 | 88.5 | 0.86 | 87.2 | 0.81 | 2.0 | 7.0 | 2.2 |
| Y180M-2 | 22 | 30 | 42.2 | 2940 | 89.0 | 0.89 | 88.1 | 0.87 | 87.0 | 0.81 | 2.0 | 7.0 | 2.2 |
| Y200L1-2 | 30 | 40 | 56.9 | 2950 | 90.0 | 0.89 | 88.7 | 0.86 | 87.2 | 0.79 | 2.0 | 7.0 | 2.2 |
| Y200L2-2 | 37 | 50 | 69.8 | 2950 | 90.5 | 0.89 | 89.7 | 0.86 | 88.0 | 0.80 | 2.0 | 7.0 | 2.2 |
| Y225M-2 | 45 | 60 | 83.9 | 2970 | 91.7 | 0.89 | 90.7 | 0.87 | 89.7 | 0.82 | 2.0 | 7.0 | 2.2 |
| Y250M-2 | 55 | 75 | 103 | 2970 | 91.5 | 0.89 | 90.6 | 0.86 | 89.5 | 0.82 | 2.0 | 7.0 | 2.2 |
| Y280S-2 | 75 | 100 | 139 | 2970 | 92.0 | 0.89 | 91.0 | 0.86 | 90.1 | 0.82 | 2.0 | 7.0 | 2.2 |
| Y280M-2 | 90 | 125 | 166 | 2970 | 92.5 | 0.89 | 91.4 | 0.86 | 90.9 | 0.84 | 2.0 | 7.0 | 2.2 |
| Y315S-2 | 110 | 150 | 203 | 2980 | 92.5 | 0.89 | 91.4 | 0.86 | 90.9 | 0.84 | 1.8 | 6.8 | 2.2 |
| Y315M-2 | 132 | 180 | 242 | 2980 | 93.0 | 0.89 | 91.8 | 0.87 | 90.8 | 0.84 | 1.8 | 6.8 | 2.2 |
| Y315L1-2 | 160 | 220 | 292 | 2980 | 93.5 | 0.89 | 91.9 | 0.87 | 91.0 | 0.84 | 1.8 | 6.8 | 2.2 |
| Y315L2-2 | 200 | 270 | 365 | 2980 | 93.5 | 0.89 | 92.3 | 0.87 | 91.2 | 0.84 | 1.8 | 6.8 | 2.2 |
| Y355M-2 | 250 | 340 | 444 | 2980 | 94.5 | 0.90 | 93.3 | 0.88 | 92.5 | 0.85 | 1.6 | 7.0 | 2.2 |
| Y355L-2 | 315 | 430 | 556 | 2980 | 95.0 | 0.90 | 93.9 | 0.88 | 92.8 | 0.85 | 1.6 | 7.1 | 2.2 |
| 同步转速1500转/分 (4极) 380V 50Hz Synchronous Speed 1500 r/min (4 poles) | | | | | | | | | | | | | |
| Y801-4 | 0.55 | 0.75 | 1.51 | 1390 | 73.0 | 0.76 | 71.5 | 0.66 | 70.0 | 0.52 | 2.4 | 6.0 | 2.3 |
| Y802-4 | 0.75 | 1 | 2.01 | 1390 | 74.5 | 0.76 | 73.0 | 0.67 | 71.0 | 0.56 | 2.3 | 6.0 | 2.3 |
| Y90S-4 | 1.1 | 1.5 | 2.75 | 1400 | 78.0 | 0.78 | 77.0 | 0.71 | 74.8 | 0.58 | 2.3 | 6.5 | 2.3 |
| Y90L-4 | 1.5 | 2 | 3.65 | 1400 | 79.0 | 0.79 | 77.5 | 0.72 | 76.0 | 0.61 | 2.3 | 6.5 | 2.3 |
| Y100L1-4 | 2.2 | 3 | 5.03 | 1430 | 81.0 | 0.82 | 80.3 | 0.74 | 78.2 | 0.61 | 2.2 | 7.0 | 2.3 |
| Y100L2-4 | 3.0 | 4 | 6.82 | 1430 | 82.5 | 0.81 | 81.6 | 0.75 | 80.0 | 0.63 | 2.2 | 7.0 | 2.3 |
| Y112M-4 | 4.0 | 5.5 | 8.77 | 1440 | 84.5 | 0.82 | 83.3 | 0.76 | 81.8 | 0.64 | 2.2 | 7.0 | 2.3 |
| Y132S-4 | 5.5 | 7.5 | 11.6 | 1440 | 85.5 | 0.84 | 84.2 | 0.78 | 82.9 | 0.68 | 2.2 | 7.0 | 2.3 |
| Y132M-4 | 7.5 | 10 | 15.4 | 1440 | 87.0 | 0.85 | 86.1 | 0.80 | 84.9 | 0.70 | 2.2 | 7.0 | 2.3 |
| Y160M-4 | 11 | 15 | 22.6 | 1460 | 88.0 | 0.84 | 87.4 | 0.79 | 85.1 | 0.68 | 2.2 | 7.0 | 2.3 |
| Y160L-4 | 15 | 20 | 30.3 | 1460 | 88.5 | 0.85 | 87.8 | 0.80 | 86.1 | 0.69 | 2.2 | 7.0 | 2.3 |
| Y180M-4 | 18.5 | 25 | 35.9 | 1470 | 91.0 | 0.86 | 89.9 | 0.81 | 88.0 | 0.71 | 2.0 | 7.0 | 2.2 |
| Y180L-4 | 22 | 30 | 42.5 | 1470 | 91.5 | 0.86 | 90.7 | 0.81 | 90.1 | 0.72 | 2.0 | 7.0 | 2.2 |
| Y200L-4 | 30 | 40 | 56.8 | 1470 | 92.2 | 0.87 | 91.3 | 0.82 | 90.5 | 0.73 | 2.0 | 7.0 | 2.2 |
| Y225S-4 | 37 | 50 | 70.4 | 1480 | 91.8 | 0.87 | 91.1 | 0.84 | 90.5 | 0.78 | 1.9 | 7.0 | 2.2 |
| Y225M-4 | 45 | 60 | 84.2 | 1480 | 92.3 | 0.88 | 91.6 | 0.85 | 90.6 | 0.79 | 1.9 | 7.0 | 2.2 |
| Y250M-4 | 55 | 75 | 103 | 1480 | 92.6 | 0.88 | 91.5 | 0.84 | 90.9 | 0.76 | 2.0 | 7.0 | 2.2 |
| Y280S-4 | 75 | 100 | 140 | 1480 | 92.7 | 0.88 | 91.7 | 0.84 | 91.0 | 0.77 | 1.9 | 7.0 | 2.2 |
| Y280M-4 | 90 | 125 | 164 | 1480 | 93.5 | 0.89 | 92.4 | 0.85 | 91.6 | 0.81 | 1.9 | 7.0 | 2.2 |
| Y315S-4 | 110 | 150 | 201 | 1480 | 93.5 | 0.89 | 92.5 | 0.86 | 91.6 | 0.82 | 1.8 | 6.8 | 2.2 |
| Y315M-4 | 132 | 180 | 240 | 1490 | 94.0 | 0.89 | 92.8 | 0.86 | 92.0 | 0.82 | 1.8 | 6.8 | 2.2 |
| Y315L1-4 | 160 | 220 | 289 | 1490 | 94.5 | 0.89 | 93.2 | 0.86 | 92.9 | 0.82 | 1.8 | 6.8 | 2.2 |
| Y315L2-4 | 200 | 270 | 361 | 1490 | 94.5 | 0.89 | 93.2 | 0.86 | 92.9 | 0.82 | 1.8 | 6.8 | 2.2 |
| Y355M-4 | 250 | 340 | 459 | 1485 | 94.7 | 0.87 | 93.6 | 0.87 | 93.0 | 0.83 | 1.6 | 6.8 | 2.2 |
| Y355L-4 | 315 | 430 | 576 | 1485 | 95.2 | 0.87 | 94.1 | 0.87 | 93.8 | 0.83 | 1.6 | 6.9 | 2.2 |

技术数据 TECHNICAL DATA

| 型号 Model | 功率 Output | | 电流 Current (A) | 满载时 Full load | | 75%负载时 75% load | | 50%负载时 50% load | | 堵转转矩 额定转矩 Tstart/Tn | 堵转电流 额定电流 Ist/In | 最大转矩 额定转矩 Tmax/Tn | |
|---|--------------|-----|----------------------|------------------------|------------------|-------------------------|------------------|-------------------------|------------------|---------------------------|------------------------|-------------------------|-------------------------|
| | kW | HP | | 转速 Speed (r/min) | 效率 Eff (%) | 功率因素 Power Factor | 效率 Eff (%) | 功率因素 Power Factor | 效率 Eff (%) | | | | 功率因素 Power Factor |
| 同步转速1000转/分 (6极) 380V 50Hz Synchronous Speed 1000 r/min (6 poles) | | | | | | | | | | | | | |
| Y90S-6 | 0.75 | 1 | 2.25 | 910 | 72.5 | 0.70 | 70.5 | 0.61 | 66.9 | 0.47 | 2.0 | 5.5 | 2.2 |
| Y90L-6 | 1.1 | 1.5 | 3.16 | 910 | 73.5 | 0.72 | 72.0 | 0.61 | 67.7 | 0.47 | 2.0 | 5.5 | 2.2 |
| Y100L-6 | 1.5 | 2 | 3.97 | 940 | 77.5 | 0.74 | 76.3 | 0.66 | 73.5 | 0.53 | 2.0 | 6.0 | 2.2 |
| Y112M-6 | 2.2 | 3 | 5.61 | 940 | 80.5 | 0.74 | 79.2 | 0.66 | 77.3 | 0.53 | 2.0 | 6.0 | 2.2 |
| Y132S-6 | 3.0 | 4 | 7.23 | 960 | 83.0 | 0.76 | 82.0 | 0.69 | 79.2 | 0.57 | 2.0 | 6.5 | 2.2 |
| Y132M1-6 | 4.0 | 5.5 | 9.40 | 960 | 84.0 | 0.77 | 83.1 | 0.70 | 79.9 | 0.58 | 2.0 | 6.5 | 2.2 |
| Y132M2-6 | 5.5 | 7.5 | 12.6 | 960 | 85.3 | 0.78 | 84.4 | 0.72 | 82.1 | 0.61 | 2.0 | 6.5 | 2.2 |
| Y160M-6 | 7.5 | 10 | 17.0 | 970 | 86.0 | 0.78 | 85.2 | 0.72 | 83.6 | 0.63 | 2.0 | 6.5 | 2.0 |
| Y160L-6 | 11 | 15 | 24.6 | 970 | 87.0 | 0.78 | 86.6 | 0.72 | 85.4 | 0.62 | 2.0 | 6.5 | 2.0 |
| Y180L-6 | 15 | 20 | 31.4 | 970 | 89.5 | 0.81 | 88.5 | 0.75 | 86.8 | 0.63 | 1.8 | 6.5 | 2.0 |
| Y200L1-6 | 18.5 | 25 | 37.7 | 970 | 89.8 | 0.83 | 88.7 | 0.77 | 87.5 | 0.69 | 1.8 | 6.5 | 2.0 |
| Y200L2-6 | 22 | 30 | 44.6 | 970 | 90.2 | 0.83 | 89.3 | 0.75 | 87.7 | 0.65 | 1.8 | 6.5 | 2.0 |
| Y225M-6 | 30 | 40 | 59.5 | 980 | 90.2 | 0.85 | 89.6 | 0.80 | 88.6 | 0.71 | 1.7 | 6.5 | 2.0 |
| Y250M-6 | 37 | 50 | 72 | 980 | 90.8 | 0.86 | 90.4 | 0.81 | 89.3 | 0.73 | 1.8 | 6.5 | 2.0 |
| Y280S-6 | 45 | 60 | 85.4 | 980 | 92.0 | 0.87 | 91.2 | 0.82 | 89.7 | 0.75 | 1.8 | 6.5 | 2.0 |
| Y280M-6 | 55 | 75 | 104 | 980 | 92.0 | 0.87 | 91.5 | 0.81 | 90.2 | 0.74 | 1.8 | 6.5 | 2.0 |
| Y315S-6 | 75 | 100 | 141 | 990 | 92.8 | 0.87 | 92.3 | 0.82 | 90.8 | 0.74 | 1.6 | 6.5 | 2.0 |
| Y315M-6 | 90 | 125 | 169 | 990 | 93.2 | 0.87 | 92.8 | 0.83 | 91.2 | 0.76 | 1.6 | 6.5 | 2.0 |
| Y315L1-6 | 110 | 150 | 206 | 990 | 93.5 | 0.87 | 92.9 | 0.83 | 91.8 | 0.76 | 1.6 | 6.5 | 2.0 |
| Y315L2-6 | 132 | 180 | 246 | 990 | 93.8 | 0.87 | 93.1 | 0.83 | 92.0 | 0.76 | 1.6 | 6.5 | 2.0 |
| Y355M1-6 | 160 | 220 | 300 | 990 | 94.1 | 0.86 | 93.4 | 0.84 | 92.6 | 0.77 | 1.9 | 6.7 | 2.0 |
| Y355M2-6 | 200 | 270 | 374 | 990 | 94.3 | 0.86 | 93.6 | 0.84 | 92.8 | 0.77 | 1.9 | 6.7 | 2.0 |
| Y355L-6 | 250 | 340 | 465 | 990 | 94.7 | 0.86 | 94.0 | 0.84 | 93.0 | 0.77 | 1.9 | 6.7 | 2.0 |
| 同步转速750转/分 (8极) 380V 50Hz Synchronous Speed 750 r/min (8 poles) | | | | | | | | | | | | | |
| Y132S-8 | 2.2 | 3 | 5.85 | 710 | 80.5 | 0.71 | 79.7 | 0.62 | 77.8 | 0.49 | 2.0 | 5.5 | 2.0 |
| Y132M-8 | 3.0 | 4 | 7.72 | 710 | 82.0 | 0.72 | 81.2 | 0.64 | 78.5 | 0.51 | 2.0 | 5.5 | 2.0 |
| Y160M1-8 | 4.0 | 5.5 | 9.91 | 720 | 84.0 | 0.73 | 83.6 | 0.64 | 81.9 | 0.53 | 2.0 | 6.0 | 2.0 |
| Y160M2-8 | 5.5 | 7.5 | 13.3 | 720 | 85.0 | 0.74 | 84.4 | 0.66 | 82.3 | 0.54 | 2.0 | 6.0 | 2.0 |
| Y160L-8 | 7.5 | 10 | 17.7 | 720 | 86.0 | 0.75 | 85.1 | 0.68 | 83.2 | 0.57 | 2.0 | 5.5 | 2.0 |
| Y180L-8 | 11 | 15 | 24.8 | 730 | 87.5 | 0.77 | 86.9 | 0.70 | 85.1 | 0.57 | 1.7 | 6.0 | 2.0 |
| Y200L-8 | 15 | 20 | 34.1 | 730 | 88.0 | 0.76 | 87.3 | 0.71 | 86.4 | 0.61 | 1.8 | 6.0 | 2.0 |
| Y225S-8 | 18.5 | 25 | 41.3 | 730 | 89.5 | 0.76 | 88.5 | 0.70 | 87.3 | 0.61 | 1.7 | 6.0 | 2.0 |
| Y225M-8 | 22 | 30 | 47.6 | 730 | 90.0 | 0.78 | 88.8 | 0.71 | 87.7 | 0.62 | 1.8 | 6.0 | 2.0 |
| Y250M-8 | 30 | 40 | 63.0 | 740 | 90.5 | 0.80 | 90.0 | 0.72 | 88.6 | 0.62 | 1.8 | 6.0 | 2.0 |
| Y280S-8 | 37 | 50 | 78.2 | 740 | 91.0 | 0.79 | 90.2 | 0.72 | 89.0 | 0.62 | 1.8 | 6.0 | 2.0 |
| Y280M-8 | 45 | 60 | 93.2 | 740 | 91.7 | 0.80 | 91.1 | 0.74 | 89.8 | 0.64 | 1.8 | 6.0 | 2.0 |
| Y315S-8 | 55 | 75 | 114 | 740 | 92.0 | 0.80 | 91.5 | 0.74 | 90.1 | 0.64 | 1.6 | 6.5 | 2.0 |
| Y315M-8 | 75 | 100 | 152 | 740 | 92.5 | 0.81 | 92.0 | 0.76 | 90.9 | 0.68 | 1.6 | 6.5 | 2.0 |
| Y315L1-8 | 90 | 125 | 179 | 740 | 93.0 | 0.82 | 92.6 | 0.77 | 91.7 | 0.69 | 1.6 | 6.5 | 2.0 |
| Y315L2-8 | 110 | 150 | 218 | 740 | 93.3 | 0.82 | 92.8 | 0.78 | 91.8 | 0.70 | | | |



Y2

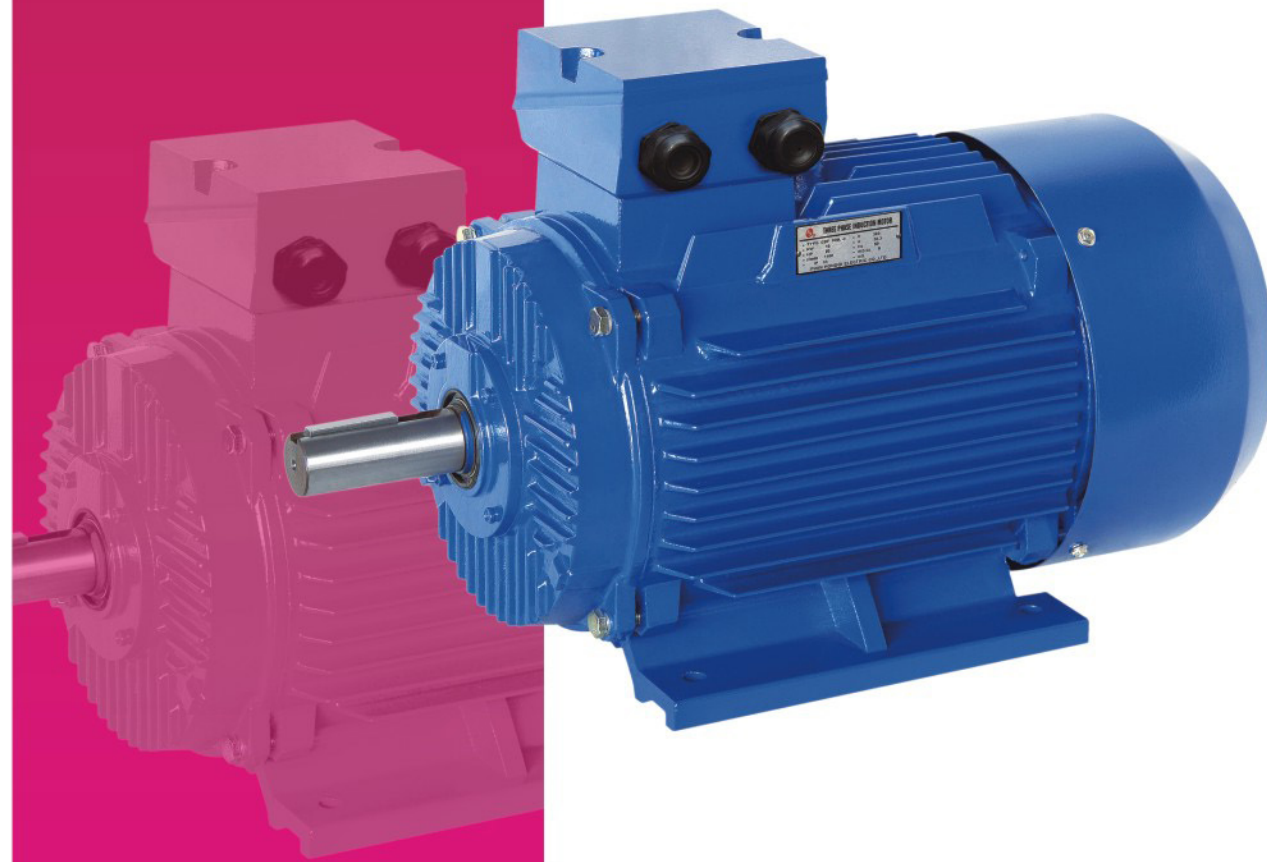
系列三相异步电动机 SERIES THREE-PHASE ASYNCHRONOUS INDUCTION MOTOR

简介

Y2系列三相异步电动机是由全国统一设计，产品达到90年代国际先进水平，它全面符合JB/T8680.1-1998和IEC34-1标准的有关规定，是Y系列电机的更新换代产品，具有结构新颖、造型美观、低振动、低噪声等特点。

INTRODUCTION

Adopting the national uniform design, Y2 series three-phase induction motors, are conformity with IEC34-1 and JB/T8680.1-1998 standards, also up to the international advanced level of 90's, as substitute of Y series induction motors, It possess sophisticated features such as new construction, good appearance, slight vibration, low noise etc.



使用条件

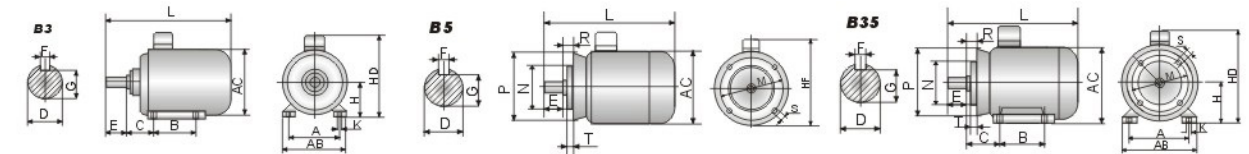
- 1、环境温度：-15℃<q<40℃
- 2、海拔：不超过1000m
- 3、额定电压：380V、可选220-760V之间任何电压值。
- 4、额定频率：50Hz、60Hz
- 5、防护等级：IP54、IP55
- 6、绝缘等级：F级、H级
- 7、冷却方式：IC0141
- 8、工作方式：连续S1
- 9、接法：3kW及以下Y接法，4kW及以上为△接法。

其它：可任意选择左、右、顶部出线方式和开口槽、闭口槽结构，可附带PTC热敏电阻，160及以上可带注油嘴结构。

OPERATING CONDITIONS

- 1、Ambient temperature: -15℃<q<40℃
- 2、Altitude: not exceed 1000m
- 3、Rated voltage: 380V or any voltage between 220V-760V
- 4、Rated frequency: 50Hz、60Hz
- 5、Protection class: IP54、IP55
- 6、Insulation class: F、H
- 7、Cooling method: ICO141
- 8、Duty: S1(continuous)
- 9、Connection: Star-connection for up to 3kW, delta-connection for 4kW and above

Remark: Motors can be equipped with PTC, for frame size 160 and above, also can be equipped with re-greasing system. Terminal box on top, right side or left side are available. Key-way can be closed type or opened type. Side or left side are available. Key-way could be close type or open type.



轴承规格 BEARING SIZE

| 机座号 Frame size | 极数 Poles | Y2系列轴承 Y2 Series Bearing | | CDF系列轴承 CDF Series Bearing | | SDF系列轴承 SDF Series Bearing | |
|-------------------|-------------|--------------------------|-----------------------|----------------------------|-----------------------|----------------------------|-----------------------|
| | | 轴伸端 Drive End | 非轴伸端 Non-Drive End | 轴伸端 Drive End | 非轴伸端 Non-Drive End | 轴伸端 Drive End | 非轴伸端 Non-Drive End |
| 63 | 2~4 | 6201 | 6201 | 6201 | 6201 | 6201 | 6201 |
| 71 | 2~6 | 6202 | 6202 | 6202 | 6202 | 6202 | 6202 |
| 80 | 2~8 | 6204 | 6204 | 6204 | 6204 | 6204 | 6204 |
| 90 | 2~8 | 6205 | 6205 | 6205 | 6205 | 6205 | 6205 |
| 100 | 2~8 | 6206 | 6206 | 6206 | 6206 | 6206 | 6206 |
| 112 | 2~8 | 6206 | 6206 | 6206 | 6206 | 6206 | 6206 |
| 132 | 2~8 | 6208 | 6208 | 6208 | 6208 | 6208 | 6208 |
| 160 | 2~8 | 6309 | 6309 | 6309 | 6309 | 6309 | 6309 |
| 180 | 2~8 | 6311 | 6311 | 6311 | 6311 | 6311 | 6311 |
| 200 | 2~8 | 6312 | 6312 | 6312 | 6312 | 6312 | 6312 |
| 225 | 2~8 | 6313 | 6313 | 6313 | 6313 | 6313 | 6313 |
| 250 | 2~8 | 6314 | 6314 | 6314 | 6314 | 6314 | 6314 |
| 280 | 2 | 6314 | 6314 | 6314 | 6314 | 6314 | 6314 |
| | 4~8 | 6317 | 6317 | 6317 | 6317 | 6317 | 6317 |
| 315 | 2 | 6317 | 6317 | 6317 | 6317 | 6317 | 6317 |
| | 4~10 | 6319 | 6319 | 6319 | 6319 | 6319 | 6319 |
| 355 | 2 | 6319 | 6319 | 6319 | 6319 | 6319 | 6319 |
| | 4~10 | Nu322 | 6322 | Nu322 | 6322 | Nu322 | 6322 |



技术数据 TECHNICAL DATA

| 型号 Model | 功率 Output | | 电流 Current (A) | 满载时 Full load | | 75%负载时 75% load | | 50%负载时 50% load | | 堵转转矩 额定转矩 Tstart/Tn | 堵转电流 额定电流 Ist/In | 最大转矩 额定转矩 Tmax/Tn | |
|---|--------------|------|----------------------|------------------------|------------------|-------------------------|------------------|-------------------------|------------------|---------------------------|------------------------|-------------------------|-------------------------|
| | kW | HP | | 转速 Speed (r/min) | 效率 Eff (%) | 功率因素 Power Factor | 效率 Eff (%) | 功率因素 Power Factor | 效率 Eff (%) | | | | 功率因素 Power Factor |
| 同步转速3000转/分 (2极) 380V 50Hz Synchronous Speed 3000 r/min (2 Poles) | | | | | | | | | | | | | |
| Y2-631-2 | 0.18 | 0.25 | 0.53 | 2720 | 65.0 | 0.80 | 63.1 | 0.75 | 60.0 | 0.69 | 2.2 | 5.5 | 2.2 |
| Y2-632-2 | 0.25 | 0.34 | 0.69 | 2720 | 68.0 | 0.81 | 65.1 | 0.76 | 62.0 | 0.70 | 2.2 | 5.5 | 2.2 |
| Y2-711-2 | 0.37 | 0.50 | 0.99 | 2740 | 70.0 | 0.81 | 69.0 | 0.76 | 66.0 | 0.71 | 2.2 | 6.1 | 2.2 |
| Y2-712-2 | 0.55 | 0.75 | 1.40 | 2740 | 73.0 | 0.82 | 71.2 | 0.70 | 70.0 | 0.72 | 2.2 | 6.1 | 2.3 |
| Y2-801-2 | 0.75 | 1 | 1.83 | 2830 | 75.0 | 0.83 | 73.0 | 0.77 | 71.0 | 0.74 | 2.2 | 6.1 | 2.3 |
| Y2-802-2 | 1.1 | 1.5 | 2.58 | 2830 | 77.0 | 0.84 | 75.1 | 0.78 | 73.0 | 0.73 | 2.2 | 7.0 | 2.3 |
| Y2-90S-2 | 1.5 | 2 | 3.43 | 2840 | 79.0 | 0.84 | 77.0 | 0.78 | 74.9 | 0.76 | 2.2 | 7.0 | 2.3 |
| Y2-90L-2 | 2.2 | 3 | 4.85 | 2840 | 81.0 | 0.85 | 80.0 | 0.79 | 79.9 | 0.76 | 2.2 | 7.0 | 2.3 |
| Y2-100L-2 | 3.0 | 4 | 6.31 | 2870 | 83.0 | 0.87 | 82.0 | 0.80 | 81.1 | 0.77 | 2.2 | 7.5 | 2.3 |
| Y2-112M-2 | 4.0 | 5.5 | 8.10 | 2890 | 85.0 | 0.88 | 83.9 | 0.83 | 82.0 | 0.80 | 2.2 | 7.5 | 2.3 |
| Y2-132S1-2 | 5.5 | 7.5 | 11.0 | 2900 | 86.0 | 0.88 | 84.2 | 0.83 | 83.8 | 0.80 | 2.2 | 7.5 | 2.3 |
| Y2-132S2-2 | 7.5 | 10 | 14.9 | 2900 | 87.0 | 0.88 | 85.8 | 0.84 | 84.9 | 0.78 | 2.2 | 7.5 | 2.3 |
| Y2-160M1-2 | 11 | 15 | 21.3 | 2930 | 88.0 | 0.89 | 86.6 | 0.84 | 85.1 | 0.79 | 2.2 | 7.5 | 2.3 |
| Y2-160M2-2 | 15 | 20 | 28.8 | 2930 | 89.0 | 0.89 | 87.9 | 0.84 | 86.4 | 0.80 | 2.2 | 7.5 | 2.3 |
| Y2-160L-2 | 18.5 | 25 | 34.7 | 2930 | 90.0 | 0.90 | 89.8 | 0.86 | 86.8 | 0.80 | 2.2 | 7.5 | 2.3 |
| Y2-180M-2 | 22 | 30 | 41.0 | 2940 | 90.0 | 0.90 | 88.9 | 0.86 | 86.8 | 0.82 | 2.0 | 7.5 | 2.3 |
| Y2-200L1-2 | 30 | 40 | 55.5 | 2950 | 91.2 | 0.90 | 89.4 | 0.85 | 88.5 | 0.81 | 2.0 | 7.5 | 2.3 |
| Y2-200L2-2 | 37 | 50 | 67.9 | 2950 | 92.0 | 0.90 | 91.0 | 0.86 | 90.4 | 0.82 | 2.0 | 7.5 | 2.3 |
| Y2-225M-2 | 45 | 60 | 82.3 | 2970 | 92.3 | 0.90 | 90.5 | 0.85 | 89.7 | 0.82 | 2.0 | 7.5 | 2.3 |
| Y2-250M-2 | 55 | 75 | 101 | 2970 | 92.5 | 0.90 | 91.3 | 0.85 | 91.0 | 0.82 | 2.0 | 7.5 | 2.3 |
| Y2-280S-2 | 75 | 100 | 134 | 2970 | 93.0 | 0.90 | 91.9 | 0.86 | 91.5 | 0.81 | 2.0 | 7.5 | 2.3 |
| Y2-280M-2 | 90 | 125 | 160 | 2970 | 93.8 | 0.91 | 92.6 | 0.87 | 92.2 | 0.83 | 2.0 | 7.5 | 2.3 |
| Y2-315S-2 | 110 | 150 | 195 | 2980 | 94.0 | 0.91 | 93.1 | 0.87 | 93.0 | 0.83 | 1.8 | 7.1 | 2.2 |
| Y2-315M-2 | 132 | 180 | 233 | 2980 | 94.5 | 0.91 | 93.2 | 0.87 | 93.1 | 0.84 | 1.8 | 7.1 | 2.2 |
| Y2-315L1-2 | 160 | 220 | 279 | 2980 | 94.6 | 0.92 | 93.1 | 0.88 | 93.3 | 0.85 | 1.8 | 7.1 | 2.2 |
| Y2-315L2-2 | 200 | 270 | 348 | 2980 | 94.8 | 0.92 | 94.0 | 0.88 | 93.8 | 0.85 | 1.8 | 7.1 | 2.2 |
| Y2-355M-2 | 250 | 340 | 433 | 2980 | 95.3 | 0.92 | 94.8 | 0.88 | 94.0 | 0.85 | 1.6 | 7.1 | 2.2 |
| Y2-355L-2 | 315 | 430 | 544 | 2980 | 95.6 | 0.92 | 95.0 | 0.88 | 94.0 | 0.85 | 1.6 | 7.1 | 2.2 |
| 同步转速1500转/分 (4极) 380V 50Hz Synchronous Speed 1500 r/min (4 Poles) | | | | | | | | | | | | | |
| Y2-631-4 | 0.12 | 0.16 | 0.42 | 1310 | 57.0 | 0.72 | 56.1 | 0.69 | 51.9 | 0.55 | 2.1 | 5.2 | 2.2 |
| Y2-632-4 | 0.18 | 0.25 | 0.62 | 1310 | 60.0 | 0.73 | 58.5 | 0.70 | 56.7 | 0.59 | 2.1 | 5.2 | 2.2 |
| Y2-711-4 | 0.25 | 0.34 | 0.79 | 1330 | 65.0 | 0.74 | 62.4 | 0.73 | 59.3 | 0.59 | 2.1 | 5.2 | 2.2 |
| Y2-712-4 | 0.37 | 0.50 | 1.12 | 1330 | 67.0 | 0.75 | 65.3 | 0.74 | 62.1 | 0.63 | 2.1 | 5.2 | 2.2 |
| Y2-801-4 | 0.55 | 0.75 | 1.57 | 1390 | 71.0 | 0.75 | 69.2 | 0.74 | 68.6 | 0.64 | 2.4 | 5.2 | 2.3 |
| Y2-802-4 | 0.75 | 1 | 2.03 | 1390 | 73.0 | 0.76 | 71.7 | 0.75 | 70.0 | 0.67 | 2.3 | 6.0 | 2.3 |
| Y2-90S-4 | 1.1 | 1.5 | 2.89 | 1400 | 75.0 | 0.77 | 73.1 | 0.75 | 72.0 | 0.67 | 2.3 | 6.0 | 2.3 |
| Y2-90L-4 | 1.5 | 2 | 3.70 | 1400 | 78.0 | 0.79 | 76.1 | 0.76 | 74.1 | 0.69 | 2.3 | 6.0 | 2.3 |
| Y2-100L1-4 | 2.2 | 3 | 5.16 | 1430 | 80.0 | 0.81 | 78.0 | 0.79 | 75.5 | 0.69 | 2.3 | 7.0 | 2.3 |
| Y2-100L2-4 | 3.0 | 4 | 6.78 | 1430 | 82.0 | 0.82 | 79.9 | 0.78 | 78.5 | 0.70 | 2.3 | 7.0 | 2.3 |
| Y2-112M-4 | 4.0 | 5.5 | 8.80 | 1440 | 84.0 | 0.82 | 82.9 | 0.79 | 81.1 | 0.70 | 2.3 | 7.0 | 2.3 |
| Y2-132S-4 | 5.5 | 7.5 | 11.7 | 1440 | 85.0 | 0.83 | 83.8 | 0.81 | 82.2 | 0.73 | 2.3 | 7.0 | 2.3 |
| Y2-132M-4 | 7.5 | 10 | 15.6 | 1440 | 87.0 | 0.84 | 85.6 | 0.82 | 83.6 | 0.74 | 2.3 | 7.0 | 2.3 |
| Y2-160M-4 | 11 | 15 | 22.3 | 1460 | 88.0 | 0.84 | 86.8 | 0.83 | 85.9 | 0.75 | 2.2 | 7.0 | 2.3 |
| Y2-160L-4 | 15 | 20 | 30.1 | 1460 | 89.0 | 0.85 | 88.9 | 0.83 | 88.5 | 0.75 | 2.2 | 7.5 | 2.3 |
| Y2-180M-4 | 18.5 | 25 | 36.5 | 1470 | 90.5 | 0.86 | 90.0 | 0.82 | 89.5 | 0.77 | 2.2 | 7.5 | 2.3 |
| Y2-180L-4 | 22 | 30 | 43.2 | 1470 | 91.0 | 0.86 | 90.2 | 0.84 | 89.9 | 0.76 | 2.2 | 7.5 | 2.3 |
| Y2-200L-4 | 30 | 40 | 57.6 | 1470 | 92.0 | 0.86 | 91.5 | 0.84 | 90.8 | 0.77 | 2.2 | 7.2 | 2.3 |
| Y2-225S-4 | 37 | 50 | 69.9 | 1480 | 92.5 | 0.87 | 91.9 | 0.87 | 90.3 | 0.80 | 2.2 | 7.2 | 2.3 |
| Y2-225M-4 | 45 | 60 | 84.7 | 1480 | 92.8 | 0.87 | 92.4 | 0.87 | 90.9 | 0.80 | 2.2 | 7.2 | 2.3 |
| Y2-250M-4 | 55 | 75 | 103 | 1480 | 93.0 | 0.87 | 92.7 | 0.89 | 91.2 | 0.81 | 2.2 | 7.2 | 2.3 |
| Y2-280S-4 | 75 | 100 | 140 | 1480 | 93.8 | 0.87 | 92.4 | 0.86 | 91.6 | 0.80 | 2.2 | 7.2 | 2.3 |
| Y2-280M-4 | 90 | 125 | 167 | 1490 | 94.2 | 0.87 | 93.0 | 0.86 | 92.8 | 0.78 | 2.2 | 7.2 | 2.3 |
| Y2-315S-4 | 110 | 150 | 201 | 1490 | 94.5 | 0.88 | 93.3 | 0.87 | 92.8 | 0.81 | 2.1 | 6.9 | 2.2 |
| Y2-315M-4 | 132 | 180 | 240 | 1490 | 94.8 | 0.88 | 93.8 | 0.87 | 93.0 | 0.81 | 2.1 | 6.9 | 2.2 |
| Y2-315L1-4 | 160 | 220 | 287 | 1490 | 94.9 | 0.89 | 93.9 | 0.88 | 93.1 | 0.81 | 2.1 | 6.9 | 2.2 |
| Y2-315L2-4 | 200 | 270 | 359 | 1490 | 95.0 | 0.89 | 94.1 | 0.88 | 93.8 | 0.82 | 2.1 | 6.9 | 2.2 |
| Y2-355M-4 | 250 | 340 | 443 | 1485 | 95.3 | 0.90 | 94.3 | 0.88 | 94.0 | 0.83 | 2.1 | 6.9 | 2.2 |
| Y2-355L-4 | 315 | 420 | 556 | 1485 | 95.6 | 0.90 | 94.5 | 0.89 | 94.0 | 0.84 | 2.1 | 6.9 | 2.2 |

技术数据 TECHNICAL DATA

| 型号 Model | 功率 Output | | 电流 Current (A) | 满载时 Full load | | 75%负载时 75% load | | 50%负载时 50% load | | 堵转转矩 额定转矩 Tstart/Tn | 堵转电流 额定电流 Ist/In | 最大转矩 额定转矩 Tmax/Tn | |
|---|--------------|------|----------------------|------------------------|------------------|-------------------------|------------------|-------------------------|------------------|---------------------------|------------------------|-------------------------|-------------------------|
| | kW | HP | | 转速 Speed (r/min) | 效率 Eff (%) | 功率因素 Power Factor | 效率 Eff (%) | 功率因素 Power Factor | 效率 Eff (%) | | | | 功率因素 Power Factor |
| 同步转速1000转/分 (6极) 380V 50Hz Synchronous Speed 1000 r/min (6 Poles) | | | | | | | | | | | | | |
| Y2-711-6 | 0.18 | 0.25 | 0.74 | 850 | 56.0 | 0.66 | 53.1 | 0.66 | 51.0 | 0.65 | 1.9 | 4.0 | 2.0 |
| Y2-712-6 | 0.25 | 0.34 | 0.95 | 850 | 59.0 | 0.68 | 56.0 | 0.68 | 53.8 | 0.62 | 1.9 | 4.0 | 2.0 |
| Y2-801-6 | 0.37 | 0.50 | 1.30 | 890 | 62.0 | 0.70 | 60.5 | 0.69 | 57.0 | 0.50 | 1.9 | 4.7 | 2.0 |
| Y2-802-6 | 0.55 | 0.75 | 1.79 | 890 | 65.0 | 0.72 | 63.3 | 0.71 | 60.1 | 0.53 | 1.9 | 4.7 | 2.1 |
| Y2-90S-6 | 0.75 | 1 | 2.29 | 910 | 69.0 | 0.72 | 67.3 | 0.72 | 66.3 | 0.54 | 2.0 | 5.5 | 2.1 |
| Y2-90L-6 | 1.1 | 1.5 | 3.18 | 910 | 72.0 | 0.73 | 70.2 | 0.72 | 68.0 | 0.55 | 2.0 | 5.5 | 2.1 |
| Y2-100L-6 | 1.5 | 2 | 3.94 | 940 | 76.0 | 0.75 | 74.0 | 0.75 | 71.0 | 0.54 | 2.0 | 5.5 | 2.1 |
| Y2-112M-6 | 2.2 | 3 | 5.60 | 940 | 79.0 | 0.76 | 77.1 | 0.77 | 75.1 | 0.60 | 2.0 | 6.5 | 2.1 |
| Y2-132S-6 | 3.0 | 4 | 7.40 | 960 | 81.0 | 0.76 | 78.9 | 0.77 | 76.1 | 0.60 | 2.1 | 6.5 | 2.1 |
| Y2-132M1-6 | 4.0 | 5.5 | 9.80 | 960 | 82.0 | 0.76 | 80.0 | 0.76 | 77.5 | 0.60 | 2.1 | 6.5 | 2.1 |
| Y2-132M2-6 | 5.5 | 7.5 | 12.9 | 960 | 84.0 | 0.77 | 82.1 | 0.77 | 80.1 | 0.60 | 2.1 | 6.5 | 2.1 |
| Y2-160M-6 | 7.5 | 10 | 17.0 | 970 | 86.0 | 0.77 | 83.4 | 0.77 | 82.4 | 0.60 | 2.0 | 6.5 | 2.1 |
| Y2-160L-6 | 11 | 15 | 24.2 | 970 | 87.5 | 0.78 | 86.6 | 0.78 | 84.8 | 0.61 | 2.0 | 6.5 | 2.1 |
| Y2-180L-6 | 15 | 20 | 31.6 | 970 | 89.0 | 0.81 | 88.1 | 0.82 | 86.3 | 0.63 | 2.0 | 7.0 | 2.1 |
| Y2-200L1-6 | 18.5 | 25 | 38.6 | 970 | 90.0 | 0.81 | 89.1 | 0.82 | 87.4 | 0.65 | 2.1 | 7.0 | 2.1 |
| Y2-200L2-6 | 22 | 30 | 44.7 | 970 | 90.0 | 0.83 | 89.8 | 0.83 | 88.5 | 0.68 | 2.1 | 7.0 | 2.1 |
| Y2-225M-6 | 30 | 40 | 59.3 | 980 | 91.5 | 0.84 | 89.2 | 0.84 | 88.8 | 0.69 | 2.0 | 7.0 | 2.1 |
| Y2-250M-6 | 37 | 50 | 71.0 | 980 | 92.0 | 0.86 | 90.5 | 0.86 | 89.1 | 0.75 | 2.1 | 7.0 | 2.1 |
| Y2-280S-6 | 45 | 60 | 86.0 | 980 | 92.5 | 0.86 | 90.8 | 0.86 | 90.1 | 0.79 | 2.1 | 7.0 | 2.0 |
| Y2-280M-6 | 55 | 75 | 105 | 980 | 92.8 | 0.86 | 90.5 | 0.86 | 90.1 | 0.80 | 2.1 | 7.0 | 2.0 |
| Y2-315S-6 | 75 | 100 | 141 | 990 | 93.5 | 0.86 | 92.5 | 0.86 | 91.8 | 0.76 | 2.0 | 7.0 | 2.0 |
| Y2-315M-6 | 90 | 125 | 169 | 990 | 93.8 | 0.86 | 92.6 | 0.86 | 91.9 | 0.76 | 2.0 | 7.0 | 2.0 |
| Y2-315L1-6 | 110 | 150 | 206 | 990 | 94.0 | 0.86 | 93.0 | 0.86 | 92.1 | 0.77 | 2.0 | 6.7 | 2.0 |
| Y2-315L2-6 | 132 | 180 | 244 | 990 | 94.2 | 0.87 | 93.3 | 0.87 | 92.8 | 0.78 | 2.0 | 6.7 | 2.0 |
| Y2-355M1-6 | 160 | 220 | 292 | 990 | 94.5 | 0.88 | 93.6 | 0.88 | 93.0 | 0.79 | 1.9 | 6.7 | 2.0 |
| Y2-355M2-6 | 200 | 270 | 365 | 990 | 94.7 | 0.88 | 93.8 | 0.88 | 93.1 | 0.80 | 1.9 | 6.7 | 2.0 |
| Y2-355L-6 | 250 | 340 | 455 | 990 | 94.9 | 0.88 | 94.0 | 0.88 | 93.5 | 0.81 | 1.9 | 6.7 | 2.0 |
| 同步转速750转/分 (8极) 380V 50Hz Synchronous Speed 750 r/min (8 Poles) | | | | | | | | | | | | | |
| Y2-801-8 | 0.18 | 0.25 | 0.88 | 630 | 51.0 | 0.61 | 46.4 | 0.52 | 42.1 | 0.45 | 1.8 | 4.0 | 1.9 |
| Y2-802-8 | 0.25 | 0.34 | 1.15 | 640 | 54.0 | 0.61 | 48.5 | 0.54 | 43.2 | 0.45 | 1.8 | 4.0 | 1.9 |
| Y2-90S-8 | 0.37 | 0.50 | 1.49 | 660 | 62.0 | 0.61 | 57.1 | 0.57 | 53.3 | 0.43 | 1.8 | 4.0 | |

YC

系列大马力单相电容启动异步电动机 SERIES HEAVY-DUTY SINGLE-PHASE CAPACITOR START INDUCTION MOTOR

简介

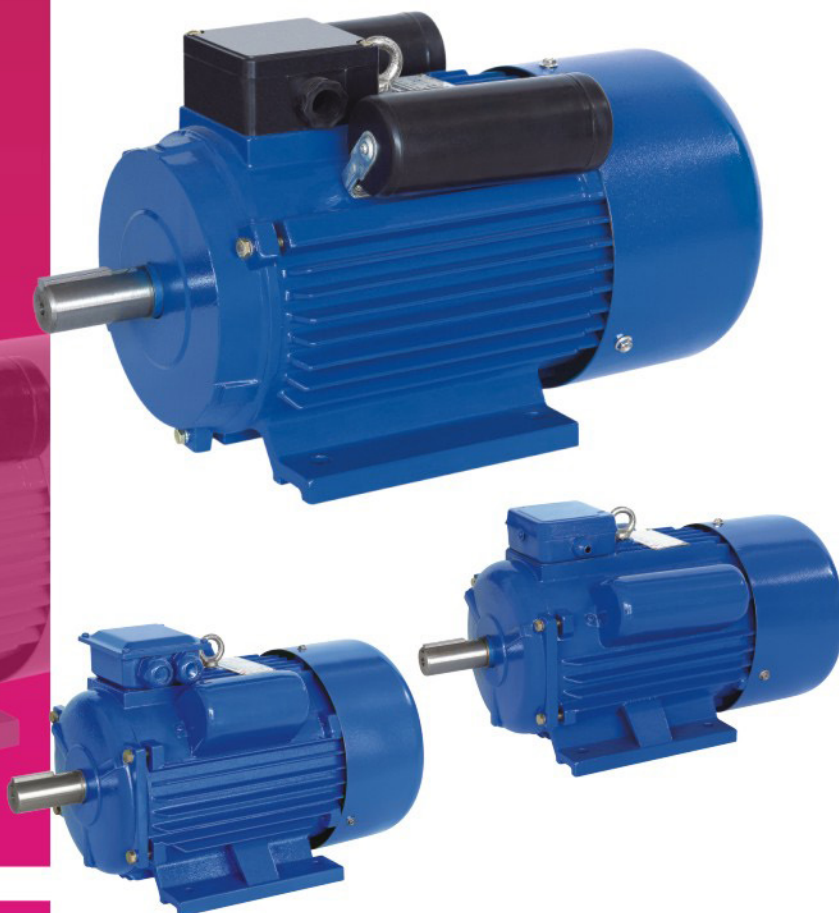
YC 系列大马力单相电动机适用于驱动小型车床、水泵，对只有单相电源的家庭、作坊尤为适用。该系列电动机采用先进技术设计，使用优质材料制造，具有外形美观、性能先进、维护方便、运行可靠的特点，符合IEC标准的有关规定。

YC系列电动机为全封闭扇冷式，输出功率3HP及以下采用电容启动，在额定电压下50HZ时启动动力矩大于3倍，60HZ时大于2.75倍，输出功率4HP及以上采用电容启动、运转，集中了启动转矩大、运转平稳、温升低、噪声小、过载能力强等优点。

INTRODUCTION

YC series heavy-duty single-phase motors are suitable for small size machine tools and water pumps, especially suitable for family workshops where only single-phase power be supplied. This series motors are designed with the latest technology, manufactured with the quality materials, have following features: good performance, safe and reliable operation, nice appearance, convenient maintenance, meet the IEC standards.

YC series motors are of IP44 totally enclosed fan-cooled (TEFC) type, capacitor starting for rated output up to 3HP, on rated voltage and 50Hz, the starting torque is three times more than the rated torque while 60Hz is 2.75 times more. Capacitors start and run type for Motors 4HP and above, it have following features: high starting torque, smooth running, low temperature rise, low noise and greater overload performance.

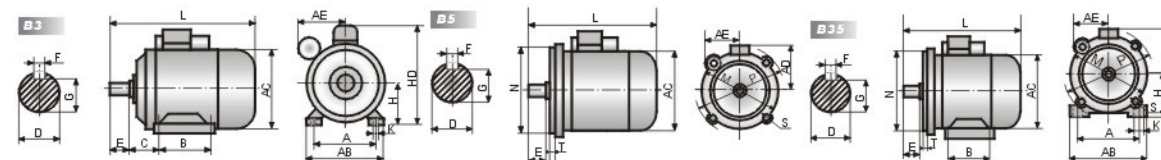


使用条件

- 1、环境温度：-15℃<q<40℃
- 2、海拔：不超过1000m
- 3、额定电压：110V、115V、120V、220V、230V、240V
- 4、额定频率：50Hz或60Hz
- 5、防护等级：IP44、Ip54
- 6、绝缘等级：B级、F级、H级
- 7、冷却方式：IC0141
- 8、工作方式：S1（连续工作制）

OPERATING CONDITIONS

- 1、Ambient temperature: -15℃<q<40℃
- 2、Altitude: not exceed 1000m
- 3、Rated voltage: 110V,115V,120V,220V,230V,240V
- 4、Rated frequency: 50Hz or 60Hz
- 5、Protection class: IP44, Ip54
- 6、Insulation class: B, F, H
- 7、Cooling method: IC0141
- 8、Duty: S1(continuous)



外形及安装尺寸 OVERALL AND MOUNTING DIMENSION

| 机座号 Frame Size | 安装尺寸 Mounting Dimension (mm) | | | | | | | | | | | | | | | 外形尺寸 Overall Dimension (mm) | | | | |
|-------------------|---------------------------------|-----|----|----|----|----|------|-----|----|-----|-----|-----|---|----|-----|--------------------------------|-----|-----|-----|-----|
| | A | B | C | D | E | F | G | H | K | M | N | P | R | S | T | AB | AC | AD | HD | L |
| 71 | 112 | 90 | 45 | 14 | 30 | 5 | 11 | 71 | 7 | 130 | 110 | 160 | 0 | 10 | 3.5 | 145 | 145 | 140 | 180 | 255 |
| 80 | 125 | 100 | 50 | 19 | 40 | 6 | 15.5 | 80 | 10 | 165 | 130 | 200 | 0 | 12 | 3.5 | 160 | 165 | 150 | 200 | 295 |
| 90S | 140 | 100 | 56 | 24 | 50 | 8 | 20 | 90 | 10 | 165 | 130 | 200 | 0 | 12 | 3.5 | 180 | 185 | 160 | 240 | 370 |
| 90L | 140 | 125 | 56 | 24 | 50 | 8 | 20 | 90 | 10 | 165 | 130 | 200 | 0 | 12 | 3.5 | 180 | 185 | 160 | 240 | 400 |
| 100L | 160 | 140 | 63 | 28 | 60 | 8 | 24 | 100 | 12 | 215 | 180 | 250 | 0 | 15 | 4.0 | 205 | 220 | 180 | 260 | 430 |
| 112M | 190 | 140 | 70 | 28 | 60 | 8 | 24 | 112 | 12 | 215 | 180 | 250 | 0 | 15 | 4.0 | 245 | 250 | 190 | 300 | 455 |
| 132S | 216 | 140 | 89 | 38 | 80 | 10 | 33 | 132 | 12 | 265 | 230 | 300 | 0 | 15 | 4.0 | 280 | 290 | 210 | 350 | 525 |
| 132M | 216 | 178 | 89 | 38 | 80 | 10 | 33 | 132 | 12 | 265 | 230 | 300 | 0 | 15 | 4.0 | 280 | 290 | 210 | 350 | 553 |

技术数据 TECHNICAL DATA(220V 50Hz)

| 型号 Model | 功率 Output | | 电流 Current (A) | 功率因素 Power factor | 效率 Eff (%) | 转速 Speed (r/min) | 堵转转矩 | | 堵转电流 | | 最大转矩 额定转矩 Tmax/Tn |
|-------------|--------------|-----|----------------------|-------------------------|------------------|------------------------|-------------------|----------------|------|--|-------------------------|
| | kW | HP | | | | | 额定转矩 Tstart/Tn | 额定电流 Ist/In | | | |
| YC711-2 | 0.18 | 1/4 | 1.9 | 0.70 | 63.0 | 2800 | 3.0 | 6.5 | 2.0 | | |
| YC712-2 | 0.25 | 1/3 | 2.4 | 0.72 | 65.0 | 2800 | 3.0 | 6.5 | 2.0 | | |
| YC80A-2 | 0.37 | 1/2 | 3.5 | 0.74 | 66.0 | 2840 | 3.0 | 6.5 | 2.0 | | |
| YC80B-2 | 0.55 | 3/4 | 5.04 | 0.74 | 67.0 | 2850 | 3.0 | 6.5 | 2.0 | | |
| YC80C-2 | 0.75 | 1 | 6.68 | 0.75 | 68.0 | 2850 | 3.0 | 6.5 | 2.0 | | |
| YC90S-2 | 1.1 | 1.5 | 8.93 | 0.80 | 70.0 | 2850 | 2.8 | 7.0 | 2.0 | | |
| YC90L-2 | 1.5 | 2 | 11.4 | 0.82 | 73.0 | 2870 | 2.8 | 7.0 | 2.0 | | |
| YC100L-2 | 2.2 | 3 | 16.5 | 0.82 | 74.0 | 2900 | 2.5 | 7.0 | 2.0 | | |
| YC112M1-2 | 3 | 4 | 21.4 | 0.84 | 76.0 | 2900 | 2.2 | 7.0 | 2.0 | | |
| YC112M2-2 | 3.7 | 5 | 24.8 | 0.86 | 79.0 | 2900 | 2.2 | 7.0 | 2.0 | | |
| YC711-4 | 0.12 | 1/6 | 1.9 | 0.58 | 48.0 | 1400 | 3.0 | 6.0 | 2.0 | | |
| YC712-4 | 0.18 | 1/4 | 2.7 | 0.60 | 50.0 | 1400 | 3.0 | 6.0 | 2.0 | | |
| YC80A-4 | 0.25 | 1/3 | 3.52 | 0.62 | 52.0 | 1400 | 3.0 | 6.0 | 2.0 | | |
| YC80B-4 | 0.37 | 1/2 | 4.69 | 0.64 | 56.0 | 1400 | 3.0 | 6.0 | 2.0 | | |
| YC80C-4 | 0.55 | 3/4 | 6.0 | 0.65 | 60.0 | 1400 | 3.0 | 6.0 | 2.0 | | |
| YC90S-4 | 0.75 | 1 | 7.5 | 0.72 | 63.0 | 1400 | 2.8 | 6.5 | 2.0 | | |
| YC90L-4 | 1.1 | 1.5 | 10.4 | 0.72 | 67.0 | 1420 | 2.8 | 6.5 | 2.0 | | |
| YC100L-4 | 1.5 | 2 | 13.0 | 0.73 | 72.0 | 1440 | 2.8 | 6.5 | 2.0 | | |
| YC112M-4 | 2.2 | 3 | 18.5 | 0.74 | 73.0 | 1450 | 2.5 | 6.5 | 2.0 | | |
| YC132S1-4 | 3 | 4 | 22.4 | 0.80 | 76.0 | 1450 | 2.2 | 6.5 | 2.0 | | |
| YC132S2-4 | 3.7 | 5 | 26.0 | 0.82 | 79.0 | 1450 | 2.2 | 6.5 | 2.0 | | |



YCL

简介

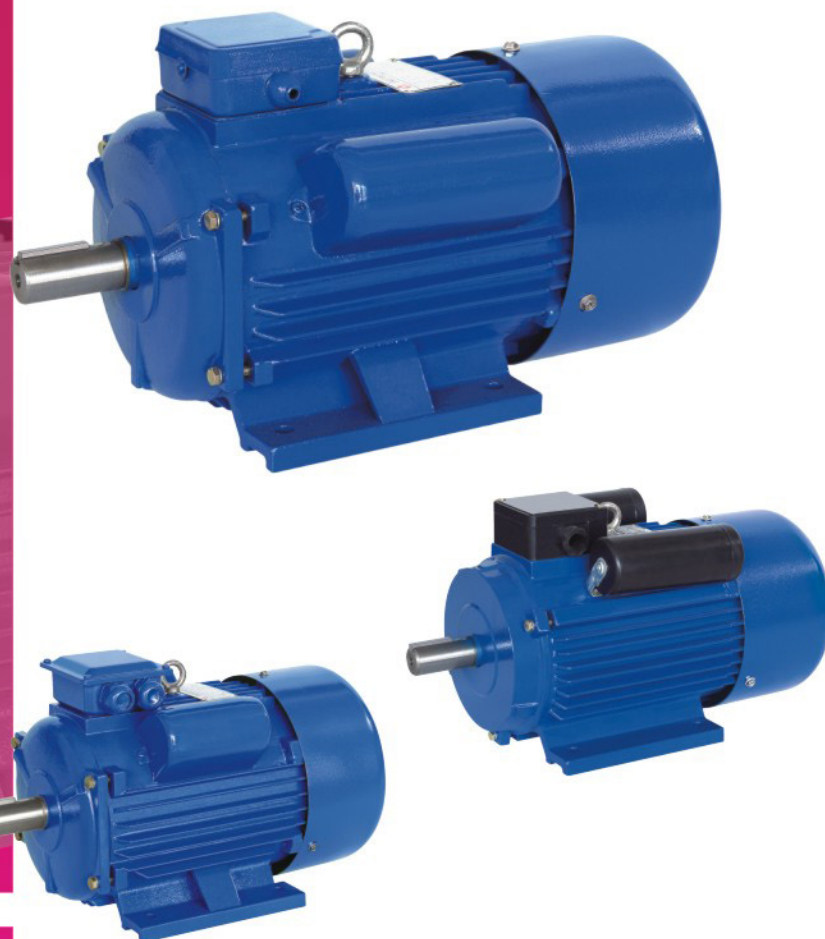
YCL 工业系列大马力单相电容启动运转异步电动机、适用于驱动小型车床水泵对只有单相电源的家庭作坊尤为适用。该系列电动机采用先进技术设计、使用优质材料制造具有外形美观、性能先进、维护方便、运行可靠、温声低、噪声小，启动电流小，启动转矩大等特点，符合IEC标准有关规定。

INTRODUCTION

YCL series heavy-duty capacitor start and run, single phase induction motors are suitable for driving small-size turning machine, especially suitable for household and workshop where only need single-phase power be supplied. This series motors are designed with advanced technique and made of quality materials. It also have following features: low noise, low temperature rise, small starting current, high starting torque, reliable operation, easy maintenance and nice appearance, they also meet the relative standards of IEC.

YCL series motors are similar to YC series in appearance. Comparing with the same output of YC series motors, YCL series temperature rise be reduced 8.74k on average, efficiency be increased 4.21%, power factor be increased 0.16.

系列大马力单相电容启动运转异步电动机
SERIES HEAVY-DUTY SINGLE-PHASE CAPACITOR START AND RUN INDUCTION MOTOR

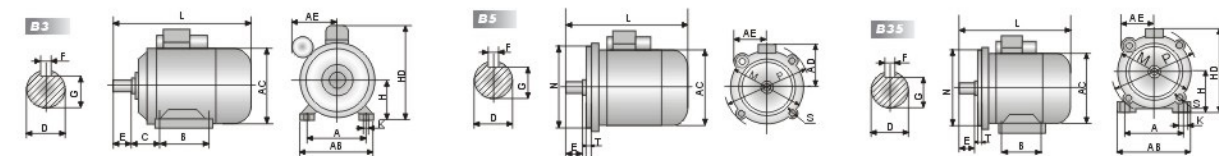


使用条件

- 1、环境温度：-15℃<q<40℃
- 2、海拔：不超过1000m
- 3、额定电压：110V、115V、120V、220V、230V、240V
- 4、额定频率：50Hz或60Hz
- 5、防护等级：IP44, Ip54
- 6、绝缘等级：B级、F级、H级
- 7、冷却方式：IC0141
- 8、工作方式：S1（连续工作制）

OPERATING CONDITIONS

- 1、Ambient temperature: -15℃<q<40℃
- 2、Altitude: not exceed 1000m
- 3、Rated voltage: 110V,115V,120V,220V,230V,240V
- 4、Rated frequency: 50Hz or 60Hz
- 5、Protection class: IP44, Ip54
- 6、Insulation class: B, F, H
- 7、Cooling method: IC0141
- 8、Duty: S1(continuous)



外形及安装尺寸 OVERALL AND MOUNTING DIMENSION

| 机座号 Frame Size | 安装尺寸 Mounting Dimension (mm) | | | | | | | | | | | | | | 外形尺寸 Overall Dimension (mm) | | | | | |
|-------------------|---------------------------------|-----|----|----|----|----|------|-----|----|-----|-----|-----|---|----|--------------------------------|-----|-----|-----|-----|-----|
| | A | B | C | D | E | F | G | H | K | M | N | P | R | S | T | AB | AC | AD | HD | L |
| 71 | 112 | 90 | 45 | 14 | 30 | 5 | 11 | 71 | 7 | 130 | 110 | 160 | 0 | 10 | 3.5 | 145 | 145 | 140 | 180 | 255 |
| 80 | 125 | 100 | 50 | 19 | 40 | 6 | 15.5 | 80 | 10 | 165 | 130 | 200 | 0 | 12 | 3.5 | 160 | 165 | 150 | 200 | 295 |
| 90S | 140 | 100 | 56 | 24 | 50 | 8 | 20 | 90 | 10 | 165 | 130 | 200 | 0 | 12 | 3.5 | 180 | 185 | 160 | 240 | 370 |
| 90L | 140 | 125 | 56 | 24 | 50 | 8 | 20 | 90 | 10 | 165 | 130 | 200 | 0 | 12 | 3.5 | 180 | 185 | 160 | 240 | 400 |
| 100L | 160 | 140 | 63 | 28 | 60 | 8 | 24 | 100 | 12 | 215 | 180 | 250 | 0 | 15 | 4.0 | 205 | 220 | 180 | 260 | 430 |
| 112M | 190 | 140 | 70 | 28 | 60 | 8 | 24 | 112 | 12 | 215 | 180 | 250 | 0 | 15 | 4.0 | 245 | 250 | 190 | 300 | 455 |
| 132S | 216 | 140 | 89 | 38 | 80 | 10 | 33 | 132 | 12 | 265 | 230 | 300 | 0 | 15 | 4.0 | 280 | 290 | 210 | 350 | 525 |
| 132M | 216 | 178 | 89 | 38 | 80 | 10 | 33 | 132 | 12 | 265 | 230 | 300 | 0 | 15 | 4.0 | 280 | 290 | 210 | 350 | 553 |

技术数据 TECHNICAL DATA(220V 50Hz)

| 型号 Model | 功率 Output | | 电流 Current (A) | 功率因素 Power factor | 效率 Eff (%) | 转速 Speed (r/min) | 堵转转矩 额定转矩 Tstart/Tn | 堵转电流 额定电流 Ist/In | 最大转矩 额定转矩 Tmax/Tn |
|-------------|--------------|-----|----------------------|-------------------------|------------------|------------------------|---------------------------|------------------------|-------------------------|
| | kW | HP | | | | | | | |
| YCL90S-2 | 1.1 | 1.5 | 7.2 | 0.95 | 73.2 | 2880 | 2.8 | 6.0 | 1.8 |
| YCL90L-2 | 1.5 | 2 | 8.9 | 0.97 | 76.0 | 2900 | 2.8 | 7.0 | 1.8 |
| YCL100L-2 | 2.2 | 3 | 13.2 | 0.96 | 78.8 | 2900 | 3.0 | 6.5 | 1.8 |
| YCL90S-4 | 0.75 | 1 | 5.0 | 0.93 | 73.3 | 1450 | 2.8 | 6.5 | 1.8 |
| YCL90L-4 | 1.1 | 1.5 | 7.8 | 0.90 | 75.0 | 1450 | 2.5 | 6.0 | 1.8 |
| YCL100L-4 | 1.5 | 2 | 9.3 | 0.92 | 79.4 | 1450 | 2.8 | 7.0 | 1.8 |
| YCL112M-4 | 2.2 | 3 | 13.6 | 0.90 | 81.6 | 1450 | 2.3 | 6.5 | 1.8 |
| YCL132S1-4 | 3.0 | 4 | 18.2 | 0.90 | 83.2 | 1450 | 2.1 | 6.5 | 1.8 |
| YCL132S2-4 | 3.7 | 5 | 22.0 | 0.90 | 84.9 | 1450 | 2.1 | 6.5 | 1.8 |
| YCL132M1-4 | 5.5 | 7.5 | 32.5 | 0.90 | 85.0 | 1460 | 2.0 | 6.5 | 1.8 |
| YCL132M2-4 | 7.5 | 10 | 40.0 | 0.90 | 85.5 | 1460 | 2.0 | 6.5 | 1.8 |

YL

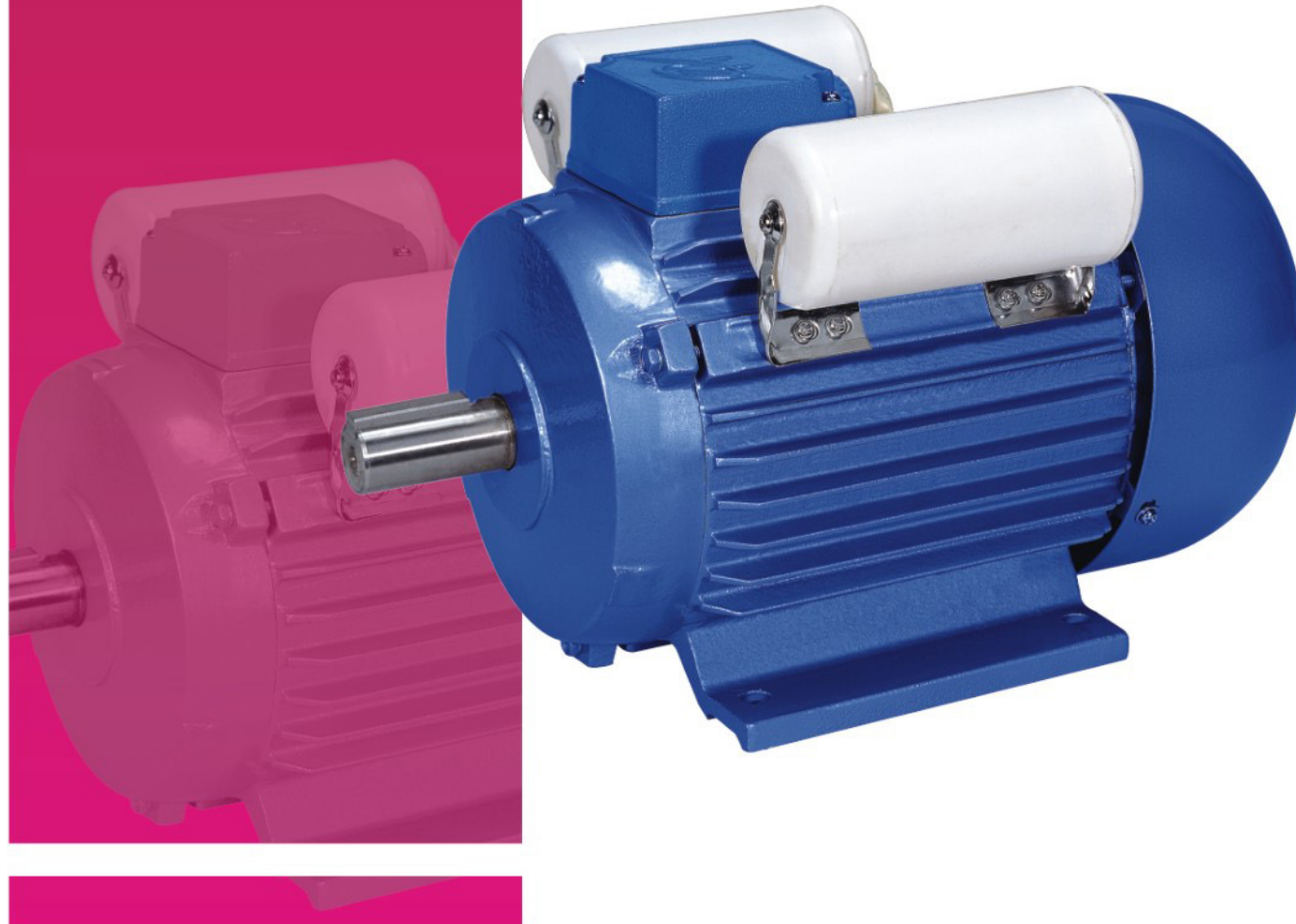
系列单相双值电容异步电动机 SINGLE-PHASE TWO-VALUE CAPACITOR INDUCTION MOTOR

简介

YL 系列单相双值电容异步电动机按照国家标准设计、制造，具有启动和运行性能好、噪音低、体积小、重量轻、维护方便等特点。广泛应用于空气压缩机、水泵、风机、制冷、医疗器械及小型机械等。对只有单相电源的场所尤为适用。

INTRODUCTION

YL series single phase two value capacitor induction motor is designed and manufactured in accordance with state standards, with outstanding performance of starting and operation, low noise, compact dimensions, light weight, easy maintenance, etc. These motors are widely used in air compressors, pumps, fans, refrigerators, medical instruments as well as small machines, etc. especially for occasion where only single-phase power supply is available.

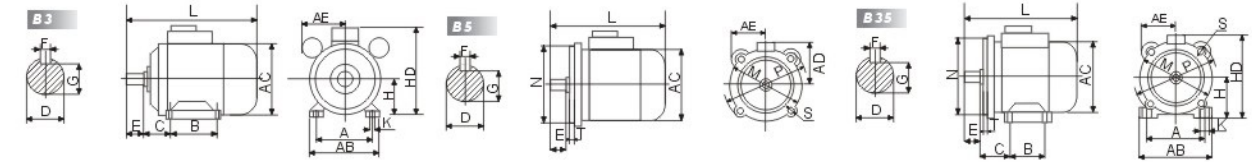


使用条件

- 1、环境温度：-15℃<q<40℃
- 2、海拔：不超过1000m
- 3、额定电压：110V、115V、120V、220V、230V、240V
- 4、额定频率：50Hz、60Hz
- 5、防护等级：IP44、IP54、
- 6、绝缘等级：B、F
- 7、冷却方式：Ic0141
- 8、工作方式：S1(连续工作制)
- 9、接法：3kW及以下Y接法，4kW及以上为△接法。

OPERATING CONDITIONS

- 1、Ambient temperature: -15℃<q<40℃
- 2、Altitude: not exceed 1000m
- 3、Rated voltage: 110V, 115V, 120V, 220V, 230V, 240V
- 4、Rated frequency: 50Hz, 60Hz
- 5、Protection class: IP44, IP54,
- 6、Insulation class: B, F
- 7、Cooling method: Ic0141
- 8、Duty: S1(continuous)
- 9、Connection: Star-connection for up to 3kW, delta-connection for 4kW and above.



外形及安装尺寸 OVERALL AND MOUNTING DIMENSION

| 机座号 Frame Size | 安装尺寸 Mounting Dimension (mm) | | | | | | | | | | | | | | | 外形尺寸 Overall Dimension | | | | | |
|-------------------|------------------------------|-----|----|----|----|----|------|-----|----|-----|-----|-----|---|----|-----|---------------------------|-----|-----|-----|-----|-----|
| | A | B | C | D | E | F | G | H | K | M | N | P | R | S | T | AB | AC | AE | AD | HD | L |
| 71 | 112 | 90 | 45 | 14 | 30 | 5 | 11 | 71 | 7 | 130 | 110 | 160 | 0 | 10 | 3.5 | 145 | 145 | 100 | 140 | 180 | 255 |
| 80 | 125 | 100 | 50 | 19 | 40 | 6 | 15.5 | 80 | 10 | 165 | 130 | 200 | 0 | 12 | 3.5 | 160 | 165 | 110 | 150 | 200 | 295 |
| 90S | 140 | 100 | 56 | 24 | 50 | 8 | 20 | 90 | 10 | 165 | 130 | 200 | 0 | 12 | 3.5 | 180 | 185 | 120 | 160 | 240 | 370 |
| 90L | 140 | 125 | 56 | 24 | 50 | 8 | 20 | 90 | 10 | 165 | 130 | 200 | 0 | 12 | 3.5 | 180 | 185 | 120 | 160 | 240 | 400 |
| 100L | 160 | 140 | 63 | 28 | 60 | 8 | 24 | 100 | 12 | 215 | 180 | 250 | 0 | 15 | 4.0 | 205 | 220 | 130 | 180 | 260 | 430 |
| 112M | 190 | 140 | 70 | 28 | 60 | 8 | 24 | 112 | 12 | 215 | 180 | 250 | 0 | 15 | 4.0 | 245 | 250 | 140 | 190 | 300 | 455 |
| 132S | 216 | 140 | 89 | 38 | 80 | 10 | 33 | 132 | 12 | 265 | 230 | 300 | 0 | 15 | 4.0 | 280 | 290 | 160 | 210 | 350 | 525 |

技术数据 TECHNICAL DATA(220V 50Hz)

| 型号 Model | 功率 Output | | 电流 Current (A) | 功率因素 Power factor | 效率 Eff (%) | 转速 Speed (r/min) | 堵转转矩 | | 堵转电流 | | 最大转矩 Tmax/Tn |
|-------------|--------------|-----|----------------------|-------------------------|------------------|------------------------|----------------|------|----------------|------|-----------------|
| | kW | HP | | | | | 额定转距 Tst/Tn | 堵转转矩 | 额定电流 Ist/In | 堵转电流 | |
| YL7112 | 0.37 | 1/2 | 2.73 | 0.92 | 67 | 2750 | 1.8 | 16 | 1.8 | 1.8 | 1.8 |
| YL7122 | 0.55 | 3/4 | 3.88 | 0.92 | 70 | 2750 | 1.8 | 21 | 1.8 | 1.8 | 1.8 |
| YL8012 | 0.75 | 1 | 5.15 | 0.95 | 75 | 2800 | 1.8 | 29 | 1.8 | 1.8 | 1.8 |
| YL8022 | 1.1 | 1.5 | 7.02 | 0.95 | 76 | 2820 | 1.8 | 40 | 1.8 | 1.8 | 1.8 |
| YL90S2 | 1.5 | 2 | 9.44 | 0.95 | 76 | 2820 | 1.8 | 55 | 1.8 | 1.8 | 1.8 |
| YL90L2 | 2.2 | 3 | 13.7 | 0.95 | 77 | 2830 | 1.8 | 80 | 1.8 | 1.8 | 1.8 |
| YL100L2 | 3.0 | 4 | 18.4 | 0.95 | 78 | 2850 | 1.8 | 110 | 1.8 | 1.8 | 1.8 |
| YL112M2 | 3.7 | 5 | 22.2 | 0.95 | 80 | 2850 | 1.7 | 160 | 1.8 | 1.8 | 1.8 |
| YL7114 | 0.25 | 1/3 | 2.0 | 0.92 | 62 | 1360 | 1.8 | 12 | 1.8 | 1.8 | 1.8 |
| YL7124 | 0.37 | 1/2 | 2.8 | 0.92 | 65 | 1380 | 1.8 | 16 | 1.8 | 1.8 | 1.8 |
| YL8014 | 0.55 | 3/4 | 3.88 | 0.92 | 70 | 1400 | 1.8 | 21 | 1.6 | 1.6 | 1.6 |
| YL8024 | 0.75 | 1 | 5.1 | 0.92 | 73 | 1400 | 1.8 | 29 | 1.6 | 1.6 | 1.6 |
| YL90S4 | 1.1 | 1.5 | 7.0 | 0.95 | 75 | 1400 | 1.8 | 40 | 1.6 | 1.6 | 1.6 |
| YL90L4 | 1.5 | 2 | 9.44 | 0.95 | 76 | 1410 | 1.8 | 55 | 1.6 | 1.6 | 1.6 |
| YL100L14 | 2.2 | 3 | 13.7 | 0.95 | 77 | 1420 | 1.8 | 80 | 1.8 | 1.8 | 1.8 |
| YL100L24 | 3.0 | 4 | 18.4 | 0.95 | 78 | 1430 | 1.8 | 110 | 1.8 | 1.8 | 1.8 |
| YL112M14 | 3.0 | 4 | 18.4 | 0.95 | 78 | 1430 | 1.8 | 110 | 1.8 | 1.8 | 1.8 |
| YL112M24 | 3.7 | 5 | 22.2 | 0.95 | 80 | 1450 | 1.8 | 138 | 1.8 | 1.8 | 1.8 |
| YL132S14 | 3.0 | 4 | 18.4 | 0.95 | 78 | 1450 | 1.8 | 110 | 1.8 | 1.8 | 1.8 |
| YL132S24 | 3.7 | 5 | 22.2 | 0.95 | 80 | 1450 | 1.8 | 138 | 1.8 | 1.8 | 1.8 |
| YL132M4 | 5.5 | 7.5 | 32.49 | 0.95 | 81 | 1450 | 1.7 | 227 | 1.8 | 1.8 | 1.8 |



YCT

简介

YCT系列电磁调速异步电动机是一种交流恒转矩调速电机，是通过可控硅进行控制而达到均匀无级调速。

YCT系列电磁调速异步电动机是由三相异步电动机，电磁转差离合器，测速发电机，电气控制装置组成的，广泛的适用于恒转矩无级调速的各种机器设备上，例如：纺织、电影制片、化工、印染、化学纤维、冶金、造纸、水泥、橡胶、电线、制糖、塑料、发电厂等。更适用于变转矩的离心式水泵和风机负载上，用转速调节来代替阀门的开闭以控制流量或压力，从而达到节能的目的。这种电机具有以下特点：

- 1、交流无级调速、具有速度负反馈的自动调节系统，速度变化率低于3%。
- 2、结构简单，使用维护方便，价格低廉。
- 3、无失控区，调速围广，最大可达10: 1。
- 4、控制功率小，便于自控、群控、遥控。
- 5、起动性能好，起动力矩大，起动平滑。

INTRODUCTION

YCT series electromagnetism speed regulating induction motor is A.C constant torque speed regulating electric machine which is controlled by silicon controlled rectifier to get stepless speed regulating.

YCT series motors are consisted of 3-phase induction motor, electromagnetism slip clutch, tachometer generator and electrical controlling unit. These motors can be used for all kinds-of the machine equipment, as spinning and weaving, film production, chemical industry, sprinting and dyeing, metallurgy, rubber, electric wire and so on. They are also suitable for centrifugal pump and blower fan load.

1. A.C stepless speed regulating, it has automatic regulating system, speed rated of variation is lower 3%.
2. Simple structure, easy in operation and maintenance, floor price.
3. Free of uncontrollid point and wide range of speed regulating.
4. Low power in controlling, easy selfcontrol, telecontrol.
5. Good performance and moment large in starting.

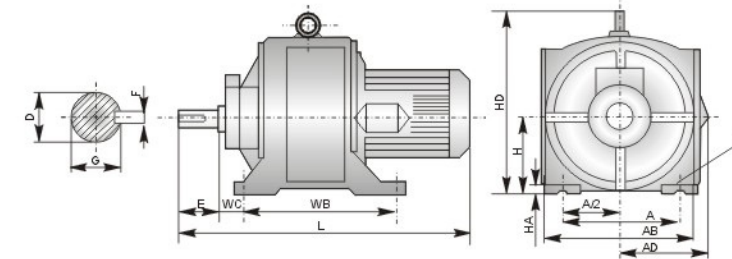


使用条件

- 1、海拔不超过1000米，环境温度不高于40℃。
- 2、在无爆炸，且无足以腐蚀金属和破坏绝缘的气体。

OPERATING CONDITIONS

- 1、Sea-level altitude is not exceeding 1000m, ambient temperature is not over 40℃.
- 2、Without explosion, etching metal and destory gas of insulation.



外形及安装尺寸 OVERALL AND MOUNTING DIMENSION

| 机座号 Frame NO. | 安装尺寸 Mounting Dimension | | | | | | | | | | 外形尺寸 Overall Dimension | | | | | |
|------------------|-------------------------|------------|----------|---------|----------------------|----------|----------|----------|---------|---------|------------------------|-----|-----|------|----|-----|
| | A | A/2 | WB | WC | D | E | F | G | H | K | AB | AD | HD | L | HA | AA |
| YCT112-4A | 190±0.7 | 95±0.5 | 210±0.7 | 40±1.5 | 19+0.009 19-0.004 | 40±0.31 | 6 | 15.5+0 | 122 | 12+0.43 | 273 | 150 | 275 | 515 | 16 | 40 |
| YCT112-4B | | | | | | | 8 | 20 | 132 | 12+0.43 | | | | 540 | | |
| YCT132-4A | 216±0.7 | 108±0.5 | 241±0.7 | 40±1.5 | 24+0.009 24-0.004 | 50±0.31 | 8 | 20 | 132 | 12+0.43 | 305 | 158 | 330 | 565 | 20 | 55 |
| YCT132-4B | | | | | | | 8-0.036 | 20-0.2 | 132-0.5 | 12 | | | | 615 | | |
| YCT160-4A | 254±1.05 | 127±0.75 | 267±1.05 | 45±1.5 | 28+0.009 28-0.004 | 60±0.37 | 8 | 24 | 160 | 15+0.43 | 340 | 185 | 375 | 660 | 20 | 65 |
| YCT160-4B | | | | | | | 8-0.036 | 24-0.2 | 160-0.5 | 15 | | | | 660 | | |
| YCT180-4A | 279±1.05 | 139.5±0.75 | 305±1.05 | 45±1.5 | 28+0.009 28-0.004 | 60±0.37 | 8 | 24 | 180 | 15+0.43 | 375 | 188 | 430 | 670 | 30 | 70 |
| YCT180-4B | | | | | | | 8-0.036 | 24-0.2 | 180-0.5 | 15 | | | | 670 | | |
| YCT200-4A | 318±1.05 | 159±0.75 | 356±1.05 | 50±1.5 | 38+0.018 38-0.002 | 80±0.37 | 10 | 33 | 200 | 19+0.43 | 420 | 230 | 480 | 800 | 30 | 80 |
| YCT200-4B | | | | | | | 10-0.036 | 33-0.2 | 200-0.5 | 19 | | | | 840 | | |
| YCT225-4A | 356±1.05 | 178±0.75 | 406±1.05 | 56±1.5 | 42+0.018 42-0.002 | 110±0.43 | 12 | 37 | 225 | 19-0.52 | 485 | 255 | 530 | 955 | 30 | 94 |
| YCT225-4B | | | | | | | 12-0.43 | 37-0.2 | 225-0.5 | 19 | | | | 1000 | | |
| YCT250-4A | 406±1.40 | 203±1.0 | 457±1.40 | 63±2.0 | 48+0.018 48-0.002 | 110±0.43 | 14 | 42.5 | 250 | 24+0.52 | 540 | 285 | 570 | 1130 | 35 | 105 |
| YCT250-4B | | | | | | | 14-0.43 | 42.5-0.2 | 250-0.5 | 24 | | | | 1170 | | |
| YCT280-4A | 457±1.40 | 228.5±1.0 | 508±1.40 | 70±2.0 | 55+0.030 55-0.011 | 110±0.43 | 16 | 49 | 280 | 24+0.52 | 580 | 320 | 655 | 1260 | 40 | 100 |
| YCT280-4B | | | | | | | 16-0.43 | 49-0.2 | 280-1.0 | 24 | | | | 1260 | | |
| YCT315-4A | 508±1.40 | 254±1.0 | 560±1.40 | 89±2.0 | 60+0.030 60-0.011 | 140±0.5 | 18 | 53 | 315 | 28+0.52 | 650 | 345 | 720 | 1400 | 45 | 130 |
| YCT315-4B | | | | | | | 18-0.43 | 53-0.2 | 315-1.0 | 28-0 | | | | 1425 | | |
| YCT355-4A | 610±1.40 | 305±1.0 | 630±1.40 | 108±2.0 | 65+0.030 65-0.011 | 140±0.5 | 18 | 58 | 355 | 28+0.52 | 755 | 385 | 860 | 1500 | 55 | 130 |
| YCT355-4B | | | | | | | 18-0.43 | 58-0.2 | 355-1.0 | 28 | | | | 1500 | | |
| YCT400-4A | 686±1.75 | 343±1.25 | 710±1.75 | 121±3.0 | 75+0.030 75-0.011 | 140±0.5 | 20 | 67.5 | 400 | 35+0.62 | 850 | 430 | 965 | 1630 | 65 | 140 |
| YCT400-4B | | | | | | | 20-0.52 | 67.5-0.2 | 400-1.0 | 35 | | | | 1680 | | |

技术数据 TECHNICAL DATA(220V 50Hz)

| 型号 Type | 拖动电机功率 Drag Motor Output (kW) | 额定转矩 Rated Torque (N.m) | 调速范围 Speed Range (r/min) | 转速变化率 Speed rate of variation (%) |
|------------|----------------------------------|----------------------------|-----------------------------|--------------------------------------|
| YCT112-4A | 0.55 | 3.6 | 1250-125 | <2.5 |
| YCT112-4B | 0.75 | 4.9 | 1250-125 | <2.5 |
| YCT132-4A | 1.1 | 7.1 | 1250-125 | <2.5 |
| YCT132-4B | 1.5 | 9.7 | 1250-125 | <2.5 |
| YCT160-4A | 2.2 | 14.1 | 1250-125 | <2.5 |
| YCT160-4B | 3.0 | 19.2 | 1250-125 | <2.5 |

| 型号 Type | 拖动电机功率 Drag Motor Output (kW) | 额定转矩 Rated Torque (N.m) | 调速范围 Speed Range (r/min) | 转速变化率 Speed rate of variation (%) |
|------------|----------------------------------|----------------------------|-----------------------------|--------------------------------------|
| YCT180-4A | 4.0 | 25.2 | 1250-125 | <2.5 |
| YCT200-4A | 5.5 | 35.1 | 1250-125 | <2.5 |
| YCT200-4B | 7.5 | 47.7 | 1250-125 | <2.5 |
| YCT225-4A | 11 | 69.1 | 1250-125 | <2.5 |
| YCT225-4B | 15 | 94.3 | 1250-125 | <2.5 |
| YCT250-4A | 18.5 | 116 | 1320-132 | <2.5 |

注：1、电磁转差离合器最大激磁电压为90伏，激磁绕组为B级绝缘。
2、额定电压，额定频率时的转速变化公式：
Note: a Maximum exciting voltage is 90V, exciting winding insulating class is B.
B. Rated voltage, formula of speed rate of variation:

$$\text{转速变化率}(\%) = \frac{10\% \text{额定负载时转速} - \text{额定负载时转速}}{10\% \text{额定负载时最高额定转速}} \times 100\%$$

$$\text{Speed rate of variation}(\%) = \frac{10\% \text{rated load speed} - \text{rated load speed}}{\text{rated load maximum rated speed}} \times 100\%$$

JY

系列单相电容启动异步电动机 SERIES SINGLE-PHASE VALUE CAPACITOR INDUCTION MOTOR

简介

JY 系列单相电容启动异步电动机，适用于要求启动转矩大，而对启动电流又有一定限制的情况，可广泛应用于空气压缩机、电冰箱、医疗器械及各种需要满载启动小型机械。

本系列电动机为全封闭自扇冷式，有09、1、2三个机座号。根据需要可制成铸铝或铸铁两种机壳。

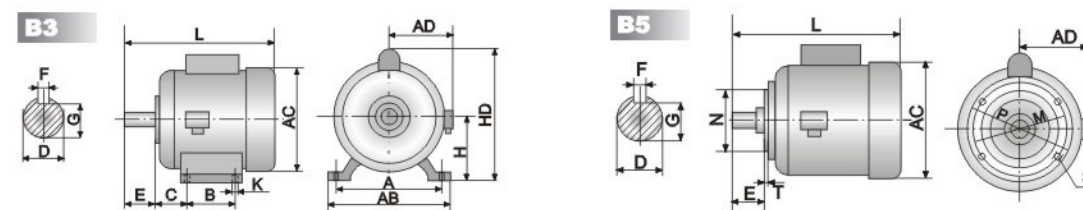
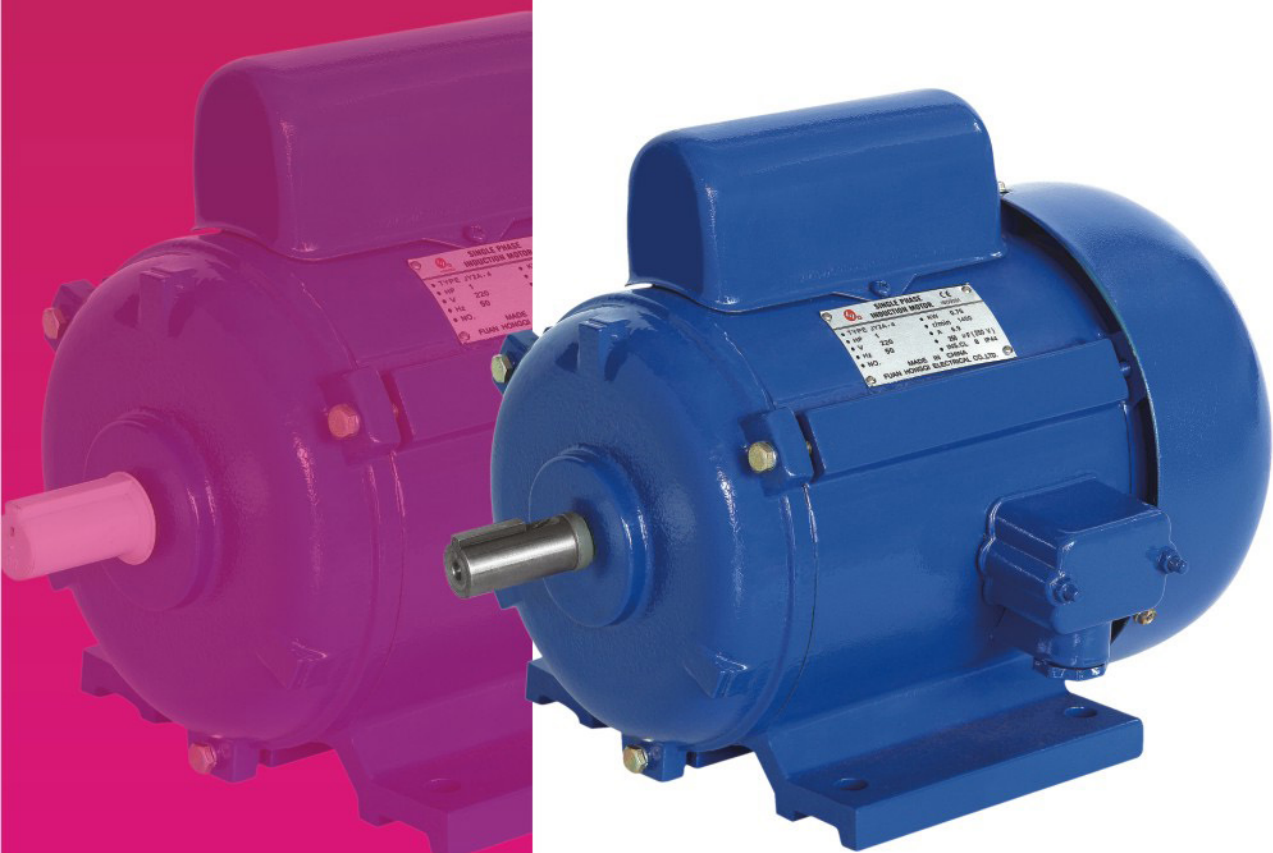
- 1、防护等级：IP44
- 2、绝缘等级：B
- 3、冷却方式：IC0141
- 4、额定频率：50Hz

INTRODUCTION

JY series single-phase capacitor start induction motor is suitable for any where a larger starting torque and the starting current to be limited are required, and is used as driving motor of air compressors, refrigerators, medical apparatus and other small machines in which full-load starting is demanded.

These series motors are of totally enclosed fan-cooled and having three frame sizes 09, 1 and 2. The frame are made of cast iron or cast aluminium according to the requests.

- 1、Protection type: Ip44
- 2、Insulation class: B
- 3、Cooling type: Ic0141
- 4、Rated frequency: 50Hz



外形及安装尺寸 OVERALL AND MOUNTING DIMENSION

| 机座号 Frame Size | 安装尺寸 Mounting Dimension (mm) | | | | | | | | | | | | | | | 外形尺寸 Overall Dimension | | | | |
|-------------------|------------------------------|-----|----|----|----|---|------|-----|----|-----|----|-----|---|----|---|---------------------------|-----|-----|-----|-----|
| | A | B | C | D | E | F | G | H | K | M | N | P | R | S | T | AB | AC | AD | HD | L |
| 2 | 160 | 112 | 63 | 19 | 40 | 6 | 15.5 | 100 | 12 | 115 | 95 | 140 | 0 | M8 | 3 | 190 | 190 | 128 | 246 | 330 |
| 1 | 140 | 100 | 56 | 16 | 40 | 5 | 13 | 90 | 10 | 100 | 80 | 120 | 0 | M8 | 3 | 176 | 176 | 121 | 220 | 286 |
| 0.9 | 125 | 100 | 50 | 14 | 30 | 4 | 11.5 | 80 | 10 | 85 | 70 | 105 | 0 | M8 | 3 | 156 | 156 | 108 | 190 | 258 |

技术数据 TECHNICAL DATA(220V 50Hz)

| 机座号 Frame Size | 型号 Type | 功率 Output | | 转速 Speed (r/min) | 功率因数 Power factor | 效率 Eff (%) | 最大转矩 额定转矩 Tmax/Tn | 堵转转矩 额定转矩 Tst/Tn |
|-------------------|---------|-----------|-----|---------------------|----------------------|---------------|-------------------------|------------------------|
| | | KW | HP | | | | | |
| 2 | JY2A-2 | 1.1 | 1.5 | 2850 | 0.77 | 71 | 1.8-2 | 2-3.5 |
| | JY2A-4 | 0.75 | 1 | 1400 | 0.68 | 69 | | |
| | JY2B-2 | 0.75 | 1 | 2850 | 0.75 | 70 | | |
| | JY2B-4 | 0.55 | 3/4 | 1400 | 0.68 | 67 | | |
| 1 | JY1A-2 | 0.55 | 3/4 | 2800 | 0.72 | 66 | 1.8-2 | 2-3.5 |
| | JY1B-2 | 0.37 | 1/2 | 2800 | 0.72 | 66 | | |
| | JY1A-4 | 0.37 | 1/2 | 1400 | 0.62 | 64 | | |
| | JY1B-4 | 0.25 | 1/3 | 1400 | 0.62 | 60 | | |
| 0.9 | JY09A-2 | 0.25 | 1/3 | 2800 | 0.72 | 63 | 1.8-2 | 2-3.5 |
| | JY09B-2 | 0.18 | 1/4 | 2800 | 0.72 | 60 | | |
| | JY09A-4 | 0.18 | 1/4 | 1400 | 0.62 | 56 | | |

注：本系列电动机按220V/110V，50Hz设计，根据用户需要可按230V，50Hz,220V/110V,60Hz设计。
Note: The motor is designed according to power supplies 220V/110V,50Hz,Special design may be accommodated with the customers, particular requirements as 230V,50Hz or 220V/110V,60Hz, etc.



YZB

简介

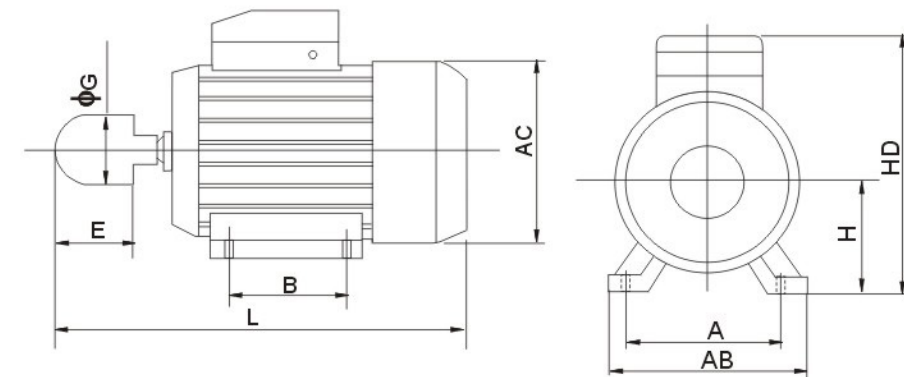
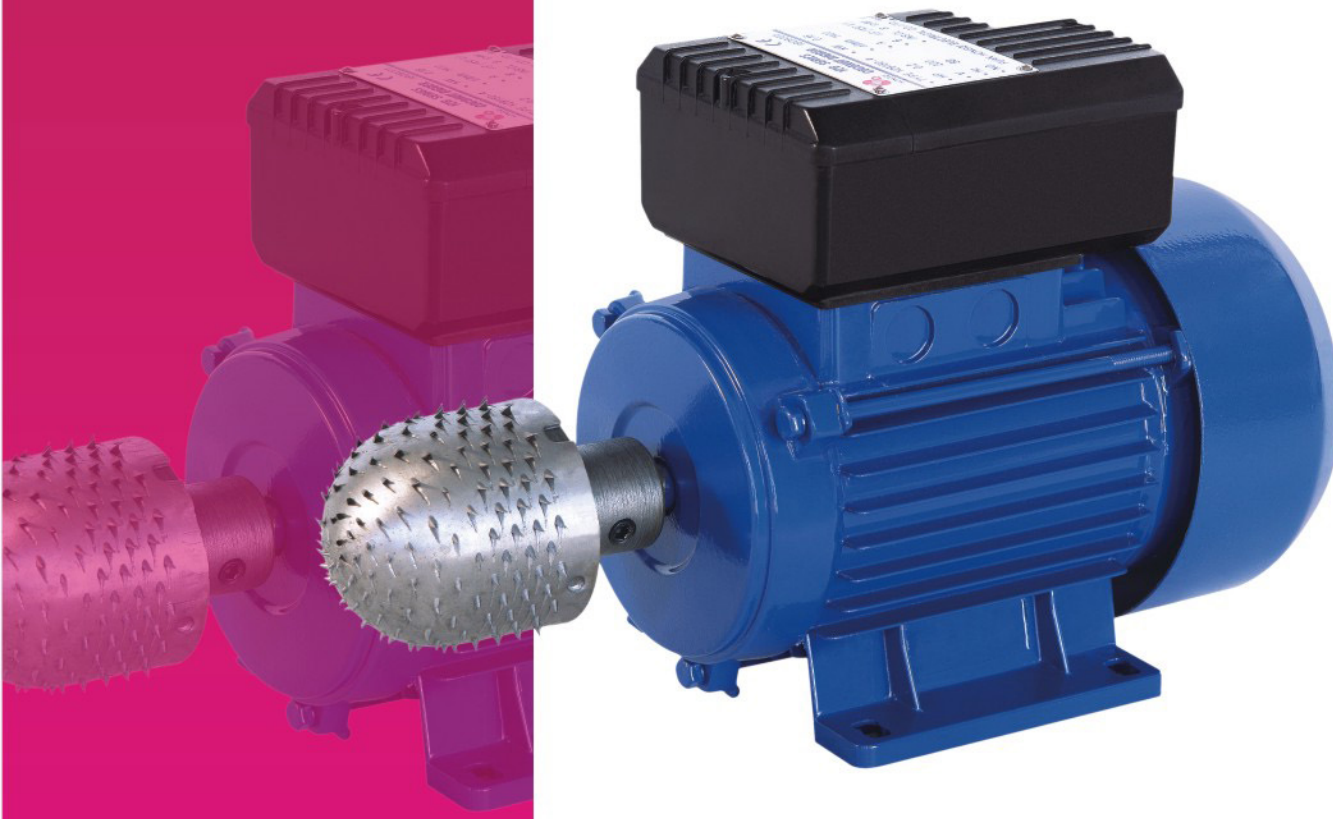
YZB椰子刨是一种刨钻椰子的专用设备，该机由单相电容运转变频电动机及专用刨头组成，电机机壳及前、后端盖系铝合金压铸而成，整机结构简单、紧凑、外形美观大方，具有运行性能好、噪音低、体积小、重量轻，使用维护方便等特点，广泛适用于刨钻椰子取汁的工厂、作坊。

INTRODUCTION

The YZB series coconut digger, which is specially designed for digging coconut, has two main parts: a special digger and a single-phase capacitor-run asynchronous motor whose frame and two end covers are made of die-casting aluminum alloy, YZB series have good performance, nice appearance and, can be maintained very conveniently, while with low noise, compact construction at the same time with light weight.

These series motors are widely used in workshops and factories where processing or juicing coconut.

系列铝壳椰子刨 SERIES ALUMINUM HOUSING COCONUT DIGGER



外形及安装尺寸 **OVERALL AND MOUNTING DIMENSION**

| 型号 Model | 安装尺寸 Mounting Dimension (mm) | | | | | 外形尺寸 Overall Dimension | | | |
|-------------|---------------------------------|----|----|----|----|---------------------------|-----|-----|-----|
| | A | B | E | G | H | AB | AC | HD | L |
| 63 | 100 | 80 | 62 | 58 | 63 | 130 | 120 | 152 | 280 |
| 71 | 112 | 90 | 62 | 59 | 71 | 138 | 135 | 182 | 300 |

技术数据 **TECHNICAL DATA(220V 50Hz)**

| 型号 Model | 功率 Output | 电压 (V) | 频率 (Hz) | 转速 Speed(r/min) | 绝缘等级 Insulation | 防护等级 Protection |
|-------------|--------------|-----------|------------|--------------------|--------------------|--------------------|
| YZB370-2 | 370 | 220 | 50 | 2800 | B | Ip44 |
| YZB550-2 | 550 | 220 | 50 | 2800 | B | Ip44 |
| YZB150-4 | 150 | 220 | 50 | 1400 | B | IP44 |
| YZB180-4 | 180 | 220 | 50 | 1400 | B | Ip44 |

YJP

系列抛光机 SERIES POLISHER

简介

YJP 系列单相、三相异步抛光机是利用电机转子轴端直接伸出，驱动抛轮，对各类零件作磨削、抛光，及作为各类珠宝生产的切割、磨光。可大量减少皮带磨损需经常更换的费用。可提高效率20%以上。具有使用方便、结构合理、性能优良、体积小、重量轻、耗电省的特点。

使用条件

本机可使用在海拔不超过1000米，周围空气相对湿度不大于95%，周围最高环境温度不超过+40的区域。抛光机不耐化学腐蚀，并不得暴露在户外使用。

INTRODUCTION

YJP series single phase two value capacitor induction motor is designed and manufactured in accordance with state standards, with outstanding performance of starting and operation, low noise, compact dimensions, light weight, easy maintenance, etc.

These motors are widely used in air compressors, pumps, fans, refrigerators, medical instruments as well as small machines, etc. especially for occasion where only single-phase power supply is available.

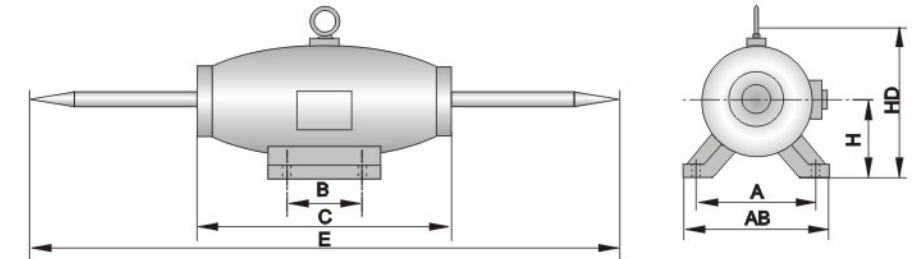
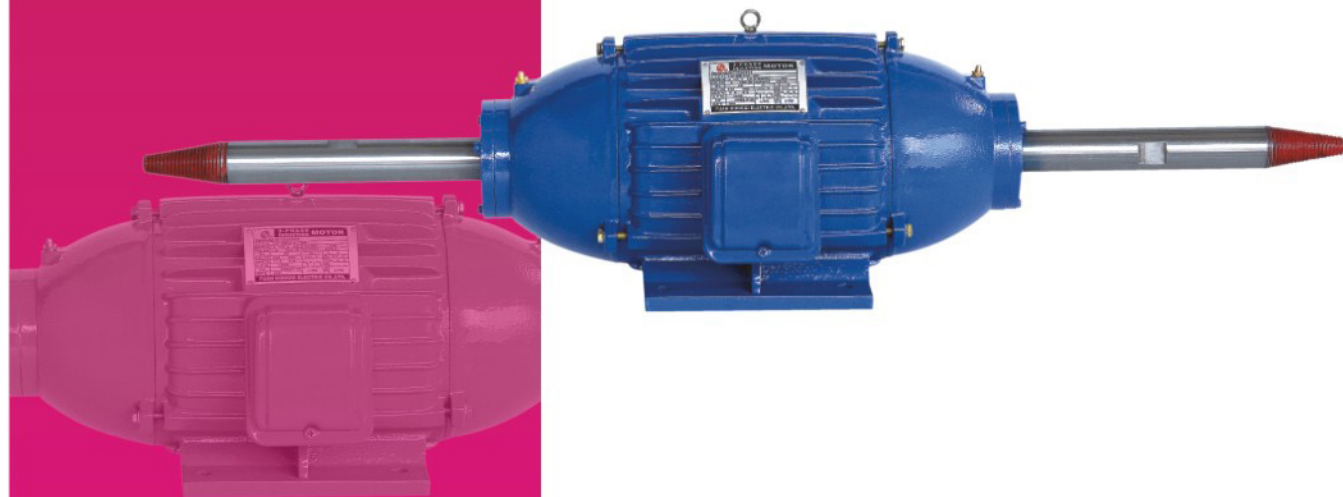
OPERATING CONDITIONS

Altitude: not exceed 1000m

Relative air temperature: >95%

Ambient temperature: >40°C.

The polisher do not bear the chemistry decays. And cannot revelation uses in the open air.



外形及安装尺寸 OVERALL AND MOUNTING DIMENSION

| 机座号 Frame No. | A | B | C | E | H | AB | HD |
|------------------|-----|-----|-----|------|-----|-----|-----|
| YJP80 | 125 | 100 | 319 | 700 | 80 | 160 | 170 |
| YJP90 | 140 | 125 | 368 | 830 | 90 | 180 | 190 |
| YJP100 | 160 | 140 | 417 | 930 | 100 | 205 | 245 |
| YJP112 | 190 | 140 | 440 | 980 | 112 | 245 | 265 |
| YJP132S | 216 | 140 | 502 | 1170 | 132 | 280 | 315 |
| YJP132M | 216 | 178 | 525 | 1170 | 132 | 280 | 315 |

技术数据 TECHNICAL DATA(220V 50Hz)

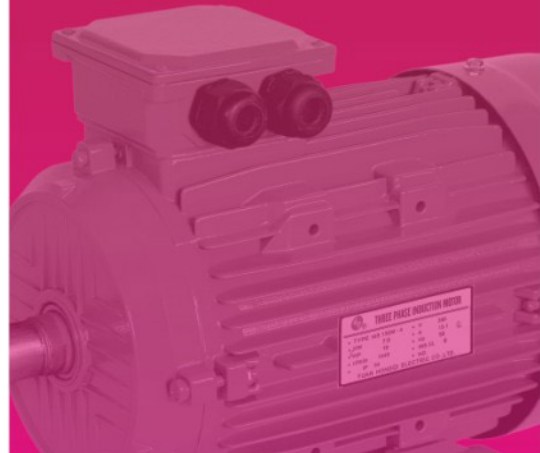
| 型号 Type | 额定功率 Power | | 额定电流 Current (A) | 额定电压 Voltage (V) | 转速 Speed (r/min) |
|------------|---------------|------|------------------------|------------------------|------------------------|
| | kW | HP | | | |
| YJP801-2 | 0.55 | 0.75 | 1.4 | 380 | 2830 |
| YJP802-2 | 0.75 | 1.00 | 1.8 | 380 | 2830 |
| YJP90S-2 | 1.10 | 1.50 | 2.5 | 380 | 2840 |
| YJP90L-2 | 1.50 | 2.00 | 3.4 | 380 | 2840 |
| YJP100L-2 | 2.20 | 3.00 | 4.7 | 380 | 2840 |
| YJP112S-2 | 3.00 | 4.00 | 6.4 | 380 | 2870 |
| YJP112M-2 | 4.00 | 5.50 | 8.2 | 380 | 2870 |
| YJP132S-2 | 5.50 | 7.50 | 11 | 380 | 2890 |
| YJP132M-2 | 7.50 | 10.0 | 15 | 380 | 2890 |
| YJP80-4 | 0.55 | 0.75 | 1.5 | 380 | 1390 |
| YJP90S-4 | 0.75 | 1.00 | 2.0 | 380 | 1400 |
| YJP90L-4 | 1.10 | 1.50 | 2.8 | 380 | 1400 |
| YJP100L1-4 | 1.50 | 2.00 | 3.7 | 380 | 1430 |
| YJP100L2-4 | 2.20 | 3.00 | 5.0 | 380 | 1430 |
| YJP112M-4 | 3.00 | 4.00 | 6.8 | 380 | 1440 |
| YJP132S1-4 | 4.00 | 5.50 | 8.8 | 380 | 1450 |
| YJP132S2-4 | 5.50 | 7.50 | 12 | 380 | 1450 |



MS

■ 系列三相铝壳异步电动机

SERIES THREE-PHASE ASYNCHRONOUS MOTOR WITH ALUMINIUM HOUSING

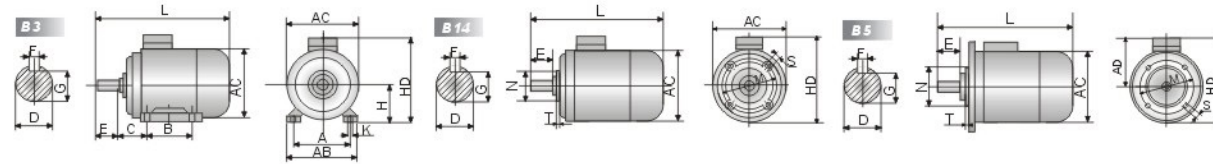


简介

MS系列铝壳三相异步电动机，是采用优质材料进行最新式整体设计，符合IEC34-1标准的要求，效率可达欧洲EFF2，并可按要求达到EFF1标准。具有性能好、噪声低、振动小、运行安全可靠、外形新颖、体积小、重量轻等优点。

INTRODUCTION

MS series three-phase asynchronous motors with Aluminum housing, Which adopting the newest design and high quality material, It is conformity with the IEC34-1 standards. The efficiency of the motors meets EFF2, and EFF1 if request. They have good features: low noise, slight vibration, reliable, good appearance, small volume, light weight etc.



外形及安装尺寸 OVERALL AND MOUNTING DIMENSION

| 机座号 Frame Size | 安装尺寸 Installation Size (mm) | | | | | | | | B14 安装尺寸 Installation Size For B14 | | | | | B5 安装尺寸 Installation Size For B5 | | | | | 外形尺寸 Overall Dimension (mm) | | | | | |
|-------------------|--------------------------------|-----|-----|----|-----|----|------|-----|---------------------------------------|-----|-----|-----|-----|-------------------------------------|-----|-----|-----|-----|--------------------------------|-----|-----|-----|-----|-----|
| | A | B | C | D | E | F | G | H | K | M | N | P | S | T | M | N | P | S | T | AB | AC | AD | HD | L |
| 56 | 90 | 71 | 36 | 9 | 20 | 3 | 7.2 | 56 | 6 | 65 | 50 | 80 | M5 | 2 | 100 | 80 | 120 | 8.5 | 3 | 112 | 108 | 93 | 149 | 192 |
| 63 | 100 | 80 | 40 | 11 | 23 | 4 | 8.5 | 63 | 7 | 75 | 60 | 90 | M5 | 2.5 | 115 | 95 | 140 | 10 | 3 | 120 | 120 | 97 | 160 | 211 |
| 71 | 112 | 90 | 45 | 14 | 30 | 5 | 11 | 71 | 7 | 85 | 70 | 105 | M6 | 2.5 | 130 | 110 | 160 | 10 | 3.5 | 135 | 140 | 104 | 175 | 240 |
| 80 | 125 | 100 | 50 | 19 | 40 | 6 | 15.5 | 80 | 10 | 100 | 80 | 120 | M6 | 3 | 165 | 130 | 200 | 12 | 3.5 | 155 | 160 | 113 | 193 | 284 |
| 90S | 140 | 100 | 56 | 24 | 50 | 8 | 20 | 90 | 10 | 115 | 95 | 140 | M8 | 3 | 165 | 130 | 200 | 12 | 3.5 | 175 | 175 | 123 | 213 | 316 |
| 90L | 140 | 125 | 56 | 24 | 50 | 8 | 20 | 90 | 10 | 115 | 95 | 140 | M8 | 3 | 165 | 130 | 200 | 12 | 3.5 | 175 | 175 | 123 | 213 | 341 |
| 100L | 160 | 140 | 63 | 28 | 60 | 8 | 24 | 100 | 12 | 130 | 110 | 160 | M8 | 3.5 | 215 | 180 | 250 | 15 | 4 | 200 | 195 | 157 | 257 | 377 |
| 112M | 190 | 140 | 70 | 28 | 60 | 8 | 24 | 112 | 12 | 130 | 110 | 160 | M8 | 3.5 | 215 | 180 | 250 | 15 | 4 | 226 | 220 | 163 | 275 | 392 |
| 132S | 216 | 140 | 89 | 38 | 80 | 10 | 33 | 132 | 12 | 165 | 130 | 200 | M10 | 3.5 | 265 | 230 | 300 | 15 | 4 | 265 | 265 | 183 | 315 | 463 |
| 132M | 216 | 178 | 89 | 38 | 80 | 10 | 33 | 132 | 12 | 165 | 130 | 200 | M10 | 3.5 | 265 | 230 | 300 | 15 | 4 | 265 | 265 | 183 | 315 | 501 |
| 160M | 254 | 210 | 108 | 42 | 110 | 12 | 37 | 160 | 15 | 215 | 180 | 250 | M12 | 4 | 300 | 250 | 350 | 19 | 5 | 310 | 320 | 223 | 383 | 606 |
| 160L | 254 | 254 | 108 | 42 | 110 | 12 | 37 | 160 | 15 | 215 | 180 | 250 | M12 | 4 | 300 | 250 | 350 | 19 | 5 | 310 | 320 | 223 | 383 | 650 |

技术数据 TECHNICAL DATA(220V 50Hz)

| 型号 Model | 功率 Output | | 电流 Current (A) | 满载时 Full load | | | | 75% 负载时 75% load | | | | 50% 负载时 50% load | | 堵转转矩 Tstart/Tn | 堵转电流 Ist/In | 最大转矩 Tmax/Tn |
|---|--------------|------|-------------------|---------------------|---------------|----------------------|---------------|----------------------|---------------|----------------------|-------------------|------------------|-----------------|-------------------|----------------|-----------------|
| | KW | HP | | 转速 Speed (r/min) | 效率 Eff (%) | 功率因素 Power Factor | 效率 Eff (%) | 功率因素 Power Factor | 效率 Eff (%) | 功率因素 Power Factor | 额定转矩 Tstart/Tn | 额定电流 Ist/In | 额定转矩 Tmax/Tn | | | |
| 同步转速3000转/分 (2极) 380V 50Hz Synchronous Speed 3000 r/min (2 Poles) | | | | | | | | | | | | | | | | |
| MS561-2 | 0.09 | 0.12 | 0.30 | 2700 | 58.0 | 0.78 | 56.2 | 0.77 | 54.0 | 0.74 | 2.2 | 5.5 | 2.2 | | | |
| MS562-2 | 0.12 | 0.16 | 0.38 | 2700 | 60.0 | 0.79 | 58.5 | 0.78 | 56.0 | 0.75 | 2.2 | 5.5 | 2.2 | | | |
| MS631-2 | 0.18 | 0.25 | 0.53 | 2720 | 63.0 | 0.80 | 62.0 | 0.80 | 60.5 | 0.76 | 2.2 | 5.5 | 2.2 | | | |
| MS632-2 | 0.25 | 0.34 | 0.69 | 2720 | 65.0 | 0.81 | 64.0 | 0.80 | 62.5 | 0.77 | 2.2 | 5.5 | 2.2 | | | |
| MS711-2 | 0.37 | 0.50 | 0.99 | 2740 | 66.0 | 0.81 | 65.0 | 0.80 | 63.5 | 0.78 | 2.2 | 6.1 | 2.2 | | | |
| MS712-2 | 0.55 | 0.75 | 1.40 | 2740 | 71.0 | 0.82 | 70.0 | 0.82 | 68.5 | 0.79 | 2.2 | 6.1 | 2.3 | | | |
| MS801-2 | 0.75 | 1 | 1.83 | 2830 | 73.0 | 0.83 | 72.0 | 0.83 | 70.5 | 0.80 | 2.2 | 6.1 | 2.3 | | | |
| MS802-2 | 1.1 | 1.5 | 2.58 | 2830 | 76.2 | 0.84 | 75.1 | 0.83 | 73.0 | 0.80 | 2.2 | 7.0 | 2.3 | | | |
| MS90S-2 | 1.5 | 2 | 3.43 | 2840 | 78.5 | 0.84 | 77.0 | 0.85 | 70.0 | 0.81 | 2.2 | 7.0 | 2.3 | | | |
| MS90L-2 | 2.2 | 3 | 4.85 | 2840 | 81.0 | 0.85 | 80.0 | 0.85 | 78.0 | 0.84 | 2.2 | 7.0 | 2.3 | | | |
| MS100L-2 | 3.0 | 4 | 6.31 | 2870 | 82.6 | 0.87 | 81.0 | 0.86 | 79.3 | 0.86 | 2.2 | 7.5 | 2.3 | | | |
| MS112M-2 | 4.0 | 5.5 | 8.10 | 2890 | 84.2 | 0.88 | 83.5 | 0.87 | 81.0 | 0.84 | 2.2 | 7.5 | 2.3 | | | |
| MS132S1-2 | 5.5 | 7.5 | 11.0 | 2900 | 85.7 | 0.88 | 84.3 | 0.89 | 83.0 | 0.84 | 2.2 | 7.5 | 2.3 | | | |
| MS132S2-2 | 7.5 | 10 | 14.9 | 2900 | 87.0 | 0.88 | 85.9 | 0.87 | 83.7 | 0.84 | 2.2 | 7.5 | 2.3 | | | |
| MS160M1-2 | 11 | 15 | 21.3 | 2930 | 88.4 | 0.89 | 86.8 | 0.89 | 84.1 | 0.84 | 2.2 | 7.5 | 2.3 | | | |
| MS160M2-2 | 15 | 20 | 28.8 | 2930 | 89.4 | 0.89 | 88.0 | 0.89 | 86.4 | 0.85 | 2.2 | 7.5 | 2.3 | | | |
| MS160L-2 | 18.5 | 25 | 34.7 | 2930 | 90.0 | 0.90 | 89.0 | 0.88 | 86.8 | 0.86 | 2.2 | 7.5 | 2.3 | | | |
| 同步转速1500转/分 (4极) 380V 50Hz Synchronous Speed 1500 r/min (4 Poles) | | | | | | | | | | | | | | | | |
| MS561-4 | 0.06 | 0.08 | 0.26 | 1300 | 53.0 | 0.70 | 51.8 | 0.65 | 50.0 | 0.53 | 2.1 | 5.2 | 2.2 | | | |
| MS562-4 | 0.09 | 0.12 | 0.35 | 1300 | 55.0 | 0.71 | 53.8 | 0.67 | 52.0 | 0.55 | 2.1 | 5.2 | 2.2 | | | |
| MS631-4 | 0.12 | 0.16 | 0.42 | 1310 | 57.0 | 0.72 | 56.1 | 0.69 | 53.9 | 0.57 | 2.1 | 5.2 | 2.2 | | | |
| MS632-4 | 0.18 | 0.25 | 0.62 | 1310 | 60.0 | 0.73 | 58.5 | 0.70 | 56.7 | 0.59 | 2.1 | 5.2 | 2.2 | | | |
| MS711-4 | 0.25 | 0.34 | 0.79 | 1330 | 65.0 | 0.74 | 62.4 | 0.73 | 59.3 | 0.59 | 2.1 | 5.2 | 2.2 | | | |
| MS712-4 | 0.37 | 0.50 | 1.12 | 1330 | 67.0 | 0.75 | 65.3 | 0.74 | 60.8 | 0.63 | 2.1 | 5.2 | 2.2 | | | |
| MS801-4 | 0.55 | 0.75 | 1.57 | 1390 | 71.0 | 0.75 | 69.2 | 0.74 | 67.2 | 0.64 | 2.4 | 5.2 | 2.3 | | | |
| MS802-4 | 0.75 | 1.0 | 2.03 | 1390 | 73.0 | 0.76 | 71.7 | 0.75 | 69.8 | 0.67 | 2.3 | 6.0 | 2.3 | | | |
| MS90S-4 | 1.1 | 1.5 | 2.89 | 1400 | 76.2 | 0.77 | 73.1 | 0.75 | 70.8 | 0.67 | 2.3 | 6.0 | 2.3 | | | |
| MS90L-4 | 1.5 | 2 | 3.70 | 1400 | 78.5 | 0.79 | 76.1 | 0.76 | 73.7 | 0.69 | 2.3 | 6.0 | 2.3 | | | |
| MS100L1-4 | 2.2 | 3 | 5.16 | 1430 | 81.0 | 0.81 | 78.0 | 0.79 | 75.5 | 0.69 | 2.3 | 7.0 | 2.3 | | | |
| MS100L2-4 | 3.0 | 4 | 6.78 | 1430 | 82.6 | 0.82 | 79.9 | 0.78 | 77.5 | 0.70 | 2.3 | 7.0 | 2.3 | | | |
| MS112M-4 | 4.0 | 5.5 | 8.80 | 1440 | 84.2 | 0.82 | 81.9 | 0.79 | 79.6 | 0.70 | 2.3 | 7.0 | 2.3 | | | |
| MS132S-4 | 5.5 | 7.5 | 11.7 | 1440 | 85.7 | 0.83 | 82.8 | 0.81 | 80.4 | 0.73 | 2.3 | 7.0 | 2.3 | | | |
| MS132M-4 | 7.5 | 10 | 15.6 | 1440 | 87.0 | 0.84 | 84.8 | 0.82 | 82.6 | 0.74 | 2.3 | 7.0 | 2.3 | | | |
| MS160M-4 | 11 | 15 | 22.3 | 1460 | 88.4 | 0.84 | 85.8 | 0.83 | 83.8 | 0.75 | 2.2 | 7.0 | 2.3 | | | |
| MS160L-4 | 15 | 20 | 30.1 | 1460 | 89.4 | 0.85 | 90.0 | 0.83 | 88.5 | 0.75 | 2.2 | 7.5 | 2.3 | | | |
| 同步转速1000转/分 (6极) 380V 50Hz Synchronous Speed 1000 r/min (6 Poles) | | | | | | | | | | | | | | | | |
| MS711-6 | 0.18 | 0.25 | 0.74 | 850 | 56.0 | 0.66 | 54.6 | 0.66 | 53.0 | 0.65 | 1.9 | 4.0 | 2.0 | | | |
| MS712-6 | 0.25 | 0.34 | 0.95 | 850 | 59.0 | 0.68 | 57.5 | 0.68 | 56.1 | 0.62 | 1.9 | 4.0 | 2.0 | | | |
| MS801-6 | 0.37 | 0.50 | 1.30 | 890 | 62.0 | 0.70 | 60.5 | 0.69 | 59.1 | 0.64 | 1.9 | 4.7 | 2.0 | | | |
| MS802-6 | 0.55 | 0.75 | 1.79 | 890 | 65.0 | 0.72 | 63.3 | 0.71 | 60.1 | 0.64 | 1.9 | 4.7 | 2.1 | | | |
| MS90S-6 | 0.75 | 1 | 2.29 | 910 | 69.0 | 0.72 | 67.3 | 0.72 | 66.3 | 0.65 | 2.0 | 5.5 | 2.1 | | | |
| MS90L-6 | 1.1 | 1.5 | 3.18 | 910 | 72.0 | 0.73 | 70.2 | 0.72 | 68.0 | 0.66 | 2.0 | 5.5 | 2.1 | | | |
| MS100L-6 | 1.5 | 2 | 3.94 | 940 | 76.0 | 0.75 | 74.0 | 0.75 | 71.0 | 0.68 | 2.0 | 5.5 | 2.1 | | | |
| MS112M-6 | 2.2 | 3 | 5.60 | 940 | 79.0 | 0.76 | 77.1 | 0.77 | 75.1 | 0.69 | 2.0 | 6.5 | 2.1 | | | |
| MS132S-6 | 3.0 | 4 | 7.40 | 960 | 81.0 | 0.76 | 78.9 | 0.77 | 76.1 | 0.69 | 2.1 | 6.5 | 2.1 | | | |
| MS132M-6 | 4.0 | 5.5 | 9.80 | 960 | 82.0 | 0.76 | 80.0 | 0.76 | 77.5 | 0.70 | 2.1 | 6.5 | 2.1 | | | |
| MS160M-6 | 5.5 | 7.5 | 12.9 | 960 | 84.0 | 0.77 | 82.1 | 0.77 | 79.4 | 0.70 | 2.1 | 6.5 | 2.1 | | | |
| MS160L-6 | 7.5 | 10 | 17.0 | 970 | 86.0 | 0.77 | 83.4 | 0.77 | 82.4 | 0.70 | 2.0 | 6.5 | 2.1 | | | |
| MS160L-6 | 11 | 15 | 24.2 | 970 | 87.5 | 0.78 | 86.6 | 0.78 | 84.8 | 0.72 | 2.0 | 6.5 | 2.1 | | | |
| 同步转速750转/分 (8极) 380V 50Hz Synchronous Speed 750 r/min (8 Poles) | | | | | | | | | | | | | | | | |
| MS801-8 | 0.18 | 0.25 | 0.88 | 630 | 51.0 | 0.61 | 47.9 | 0.52 | 44.6 | 0.54 | 1.8 | 4.0 | 1.9 | | | |
| MS802-8 | 0.25 | 0.34 | 1.15 | 640 | 54.0 | 0.61 | 48.9 | 0.54 | 45.3 | 0.55 | 1.8 | 4.0 | 1.9 | | | |
| MS90S-8 | 0.37 | 0.50 | 1.49 | 660 | 62.0 | 0.61 | 55.6 | 0.57 | 50.7 | 0.56 | 1.8 | 4.0 | 1.9 | | | |
| MS90L-8 | 0.55 | 0.75 | 2.18 | 660 | 63.0 | 0.61 | 55.9 | 0.58 | 50.9 | 0.59 | 1.8 | 4.0 | 2.0 | | | |
| MS100L1-8 | 0.75 | 1 | 2.53 | 690 | 71.0 | 0.67 | 60.9 | 0.65 | 59.7 | 0.56 | 1.8 | 4.0 | 2.0 | | | |
| MS100L2-8 | 1.1 | 1.5 | 3.32 | 690 | 73.0 | 0.69 | 72.0 | 0.61 | 59.8 | 0.57 | 1.8 | 5.0 | 2.0 | | | |
| MS112M-8 | 1.5 | 2 | 4.50 | 680 | 75.0 | 0.69 | 74.2 | 0.64 | 59.8 | 0.58 | 1.8 | 5.0 | 2.0 | | | |
| MS132S-8 | 2.2 | 3 | 6.00 | 710 | 78.0 | 0.71 | 77.2 | 0.61 | 60.1 | 0.58 | 1.8 | 6.0 | 2.0 | | | |
| MS132M-8 | 3.0 | 4 | 7.90 | 710 | 79.0 | 0.73 | 78.2 | 0.62 | 60.0 | 0.59 | 1.8 | 6.0 | 2.0 | | | |
| MS160M1-8 | 4.0 | 5.5 | 10.3 | 720 | 81.0 | 0.73 | 80.2 | 0.63 | 61.0 | 0.58 | 1.9 | 6.0 | 2.0 | | | |
| MS160M2-8 | 5.5 | 7.5 | 13.6 | 720 | 83.0 | 0.74 | 81.2 | 0.61 | 62.0 | 0.59 | 2.0 | 6.0 | 2.0 | | | |
| MS160L-8 | 7.5 | 10 | 17.8 | 720 | 85.5 | 0.75 | 84.5 | 0.63 | 65.9 | 0.59 | 2.0 | 6.0 | 2.0 | | | |

MC

系列单相铝壳异步电动机 SERIES SINGLE-PHASE ASYNCHRONOUS MOTOR WITH ALUMINIUM HOUSING

简介

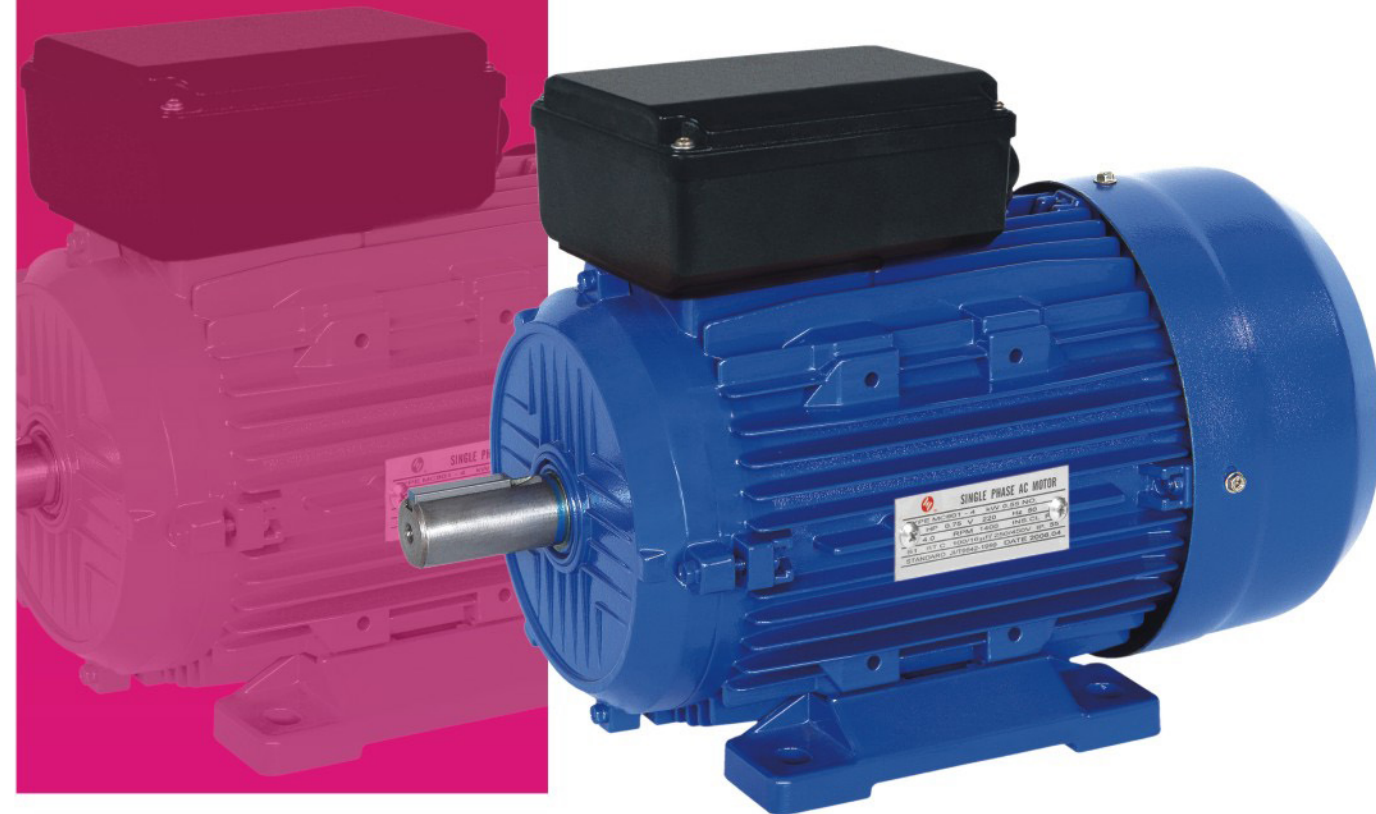
MC 系列单相异步铝壳电容启动电动机采用了国际上最新设计由高质量材料按IEC相关标准研制而成, 具有性能良好, 操作可靠、安全, 外表美观, 维修方便, 噪声小, 微振动, 重量轻, 结构简单等一系列优点。

MC 系列电动机适用于空压机, 水泵, 制冷器, 医疗仪器, 设备和其它需满载起动的机器。

INTRODUCTION

MC Series Aluminum housing single-phase capacitor start asynchronous motors, with the international latest design, are made of quality materials and meet the relative standards of IEC. MC series motors have following features: good performance, safe and reliable operation, nice appearance, convenient maintenance, low noise, slight vibration, light weight and simple construction.

This series motors can be used on air compressor, pumps, refrigeration, medical apparatus and instruments, and other machines that need full-load starting.

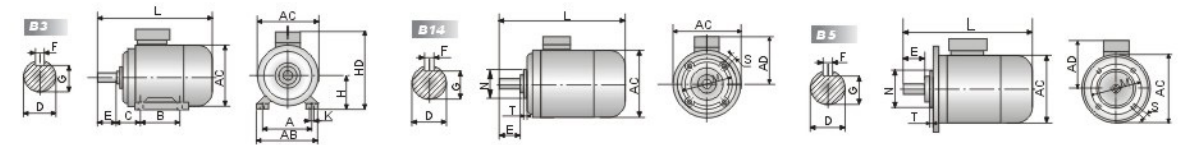


使用条件

- 1、环境温度: $-15^{\circ}\text{C} < q < 40^{\circ}\text{C}$
- 2、海拔: 不超过1000m
- 3、额定电压: 110V、115V、120V、220V、230V、240V
- 4、额定频率: 50Hz或60Hz
- 5、防护等级: IP55
- 6、绝缘等级: F级、H级
- 7、冷却方式: IC0141
- 8、工作方式: S1 (连续工作制)
- 9、轴伸: 闭口槽
- 10、轴承: SKF或NSK、NTN等。

OPERATING CONDITIONS

- 1、Ambient temperature: $-15^{\circ}\text{C} < q < 40^{\circ}\text{C}$
- 2、Altitude: not exceed 1000m
- 3、Rated voltage: 110V, 115V, 120V, 220V, 230V, 240V
- 4、Rated frequency: 50Hz or 60Hz
- 5、Protection class: IP55
- 6、Insulation class: F, H
- 7、Cooling method: IC0141
- 8、Duty: S1 (continuous)
- 9、Shaft: Close keyway
- 10、Bearing: SKF, NSK or NTN



外形及安装尺寸 OVERALL AND MOUNTING DIMENSION

| 机座号 Frame Size | 安装尺寸 Installation Size | | | | | | | | 安装尺寸 Installation Size For B5 | | | | | 安装尺寸 Installation Size For B14 | | | | | 外形尺寸 Overall Dimension | | | | | |
|----------------------|------------------------|-----|----|----|----|---|------|-----|-------------------------------------|-----|-----|-----|-----|--------------------------------------|-----|-----|-----|----|---------------------------|-----|-----|-----|-----|-----|
| | A | B | C | D | E | F | G | H | K | M | N | P | S | T | M | N | P | S | T | AB | AC | AD | HD | L |
| 56 | 90 | 71 | 36 | 9 | 20 | 3 | 7.2 | 56 | 6 | 100 | 80 | 120 | 8.5 | 3 | 65 | 50 | 80 | M5 | 2 | 112 | 108 | 93 | 149 | 192 |
| 63 | 100 | 80 | 40 | 11 | 23 | 4 | 8.5 | 63 | 7 | 115 | 95 | 140 | 10 | 3 | 75 | 60 | 90 | M5 | 2.5 | 120 | 120 | 97 | 160 | 211 |
| 71 | 112 | 90 | 45 | 14 | 30 | 5 | 11 | 71 | 7 | 130 | 110 | 160 | 10 | 3.5 | 85 | 70 | 105 | M6 | 2.5 | 135 | 135 | 107 | 178 | 246 |
| 80 | 125 | 100 | 50 | 19 | 40 | 6 | 15.5 | 80 | 10 | 165 | 130 | 200 | 12 | 3.5 | 100 | 80 | 120 | M6 | 3 | 155 | 155 | 141 | 221 | 284 |
| 90S | 140 | 100 | 56 | 24 | 50 | 8 | 20 | 90 | 10 | 165 | 130 | 200 | 12 | 3.5 | 115 | 95 | 140 | M8 | 3 | 175 | 175 | 160 | 250 | 314 |
| 90L | 140 | 125 | 56 | 24 | 50 | 8 | 20 | 90 | 10 | 165 | 130 | 200 | 12 | 3.5 | 115 | 95 | 140 | M8 | 3 | 175 | 175 | 160 | 250 | 339 |
| 100L | 160 | 140 | 63 | 28 | 60 | 8 | 24 | 100 | 12 | 215 | 180 | 250 | 15 | 4 | 130 | 110 | 160 | M8 | 3.5 | 200 | 195 | 160 | 260 | 412 |
| 112M | 190 | 140 | 70 | 28 | 60 | 8 | 24 | 112 | 12 | 215 | 180 | 250 | 15 | 4 | 130 | 110 | 160 | M8 | 3.5 | 226 | 220 | 166 | 278 | 421 |

技术数据 TECHNICAL DATA(220V 50Hz)

| 型号 Model | 功率 Output | | 电流 Current (A) | 功率因素 Power Factor | 效率 Eff (%) | 转速 Speed (r/min) | 堵转转矩 额定转矩 Tstart/Tn | 堵转电流 额定电流 Ist/In | 最大转矩 额定转矩 Tmax/Tn |
|-------------|--------------|------|----------------------|-------------------------|------------------|------------------------|---------------------------|------------------------|-------------------------|
| | kW | HP | | | | | | | |
| MC711-2 | 0.18 | 0.24 | 1.89 | 0.72 | 60 | 2750 | 3.0 | 6.5 | 1.8 |
| MC712-2 | 0.25 | 0.33 | 2.40 | 0.74 | 64 | 2770 | 3.0 | 6.5 | 1.8 |
| MC801-2 | 0.37 | 0.5 | 3.36 | 0.77 | 65 | 2800 | 2.8 | 6.5 | 1.8 |
| MC802-2 | 0.55 | 0.75 | 4.65 | 0.79 | 68 | 2810 | 2.8 | 6.5 | 1.8 |
| MC90S-2 | 0.75 | 1 | 6.09 | 0.80 | 70 | 2820 | 2.5 | 6.5 | 1.8 |
| MC90L-2 | 1.1 | 1.5 | 8.68 | 0.80 | 72 | 2820 | 2.5 | 6.5 | 1.8 |
| MC100L1-2 | 1.5 | 2 | 11.4 | 0.81 | 74 | 2830 | 2.5 | 7.0 | 1.8 |
| MC100L2-2 | 2.2 | 3 | 16.5 | 0.81 | 75 | 2830 | 2.2 | 7.0 | 1.8 |
| MC112M-2 | 3 | 4 | 21.9 | 0.82 | 76 | 2840 | 2.2 | 7.0 | 1.8 |
| MC711-4 | 0.12 | 0.16 | 1.88 | 0.58 | 50 | 1350 | 3.0 | 6.0 | 1.8 |
| MC712-4 | 0.18 | 0.24 | 2.49 | 0.62 | 53 | 1370 | 3.0 | 6.0 | 1.8 |
| MC801-4 | 0.25 | 0.33 | 3.11 | 0.63 | 58 | 1400 | 2.8 | 6.0 | 1.8 |
| MC802-4 | 0.37 | 0.5 | 4.24 | 0.64 | 62 | 1410 | 2.8 | 6.0 | 1.8 |
| MC90S-4 | 0.55 | 0.75 | 5.49 | 0.69 | 66 | 1420 | 2.5 | 6.0 | 1.8 |
| MC90L-4 | 0.75 | 1 | 6.87 | 0.73 | 68 | 1420 | 2.5 | 6.0 | 1.8 |
| MC100L1-4 | 1.1 | 1.5 | 9.52 | 0.74 | 71 | 1430 | 2.5 | 6.5 | 1.8 |
| MC100L2-4 | 1.5 | 2 | 12.5 | 0.75 | 73 | 1430 | 2.5 | 6.5 | 1.8 |
| MC112M-4 | 2.2 | 3 | 17.8 | 0.76 | 74 | 1440 | 2.2 | 6.5 | 1.8 |

MY

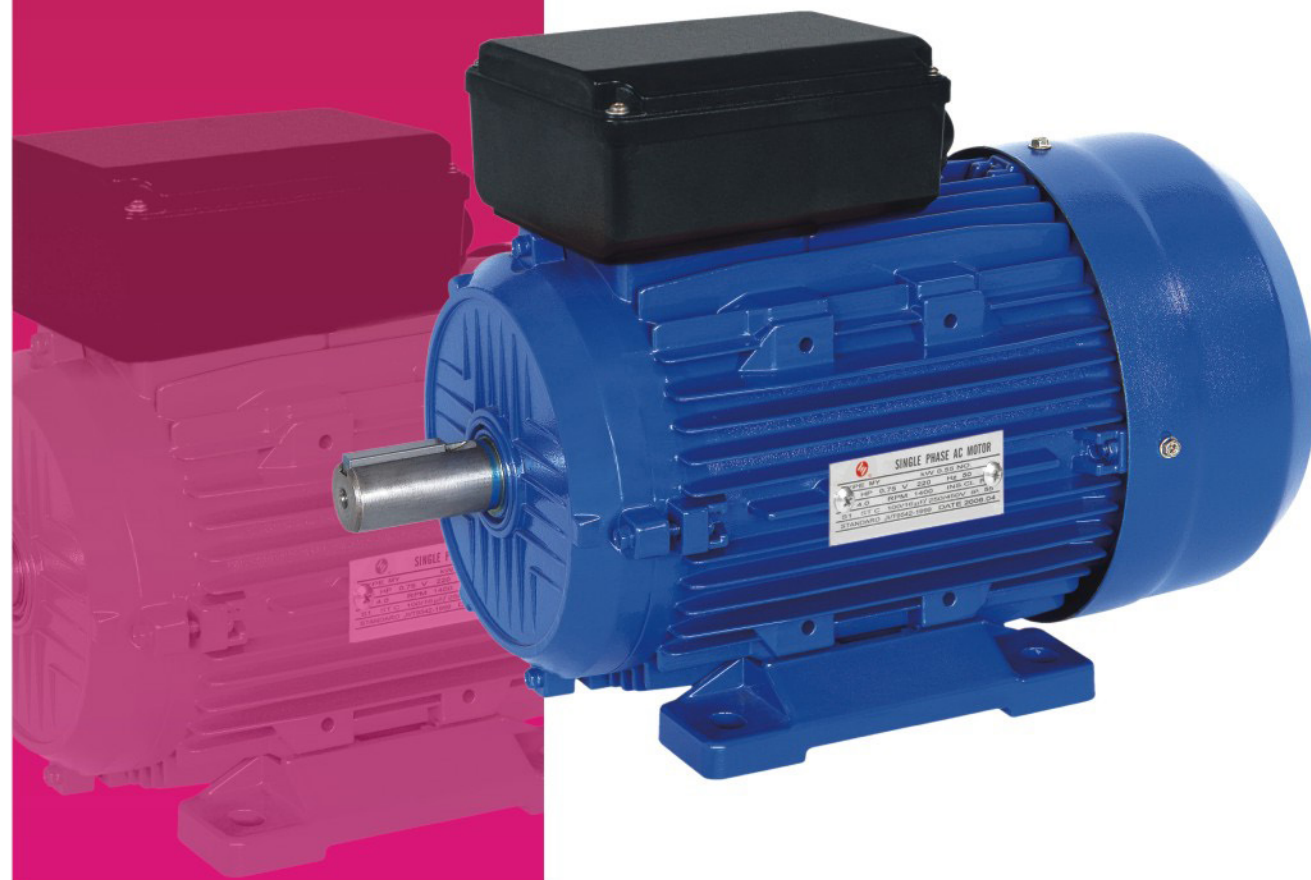
系列单相铝壳异步电动机 SERIES SINGLE-PHASE ASYNCHRONOUS MOTOR WITH ALUMINIUM HOUSING

简介

MY 系列铝壳电容运转电动机，采用了国际上最新设计由高质量材料按IEC相关标准研制而成，具有性能良好，操作可靠、安全，外表美观，维修方便，噪声小，微振动，重量轻，结构简单等一系列优点。此系列电动机可用于家庭设备，水泵，风扇及自记仪表等。

INTRODUCTION

MY Series Aluminum housing single-phase capacitor-run asynchronous motors, with the international latest design, are made of quality materials and meet the relative standards of IEC. MY series motors have following features: good performance, safe and reliable operation, nice appearance, convenient maintenance low noise, slight vibration, light weight and simple construction. This series motors can be used on household appliance, pumps, fans and recording meters, etc.

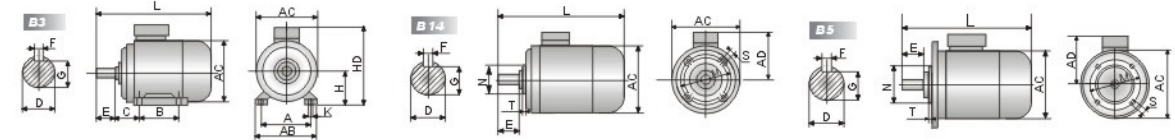


使用条件

- 1、环境温度：-15℃<q<40℃
- 2、海拔：不超过1000m
- 3、额定电压：110V、115V、120V、220V、230V、240V
- 4、额定频率：50Hz或60Hz
- 5、防护等级：IP55
- 6、绝缘等级：F级、H级
- 7、冷却方式：IC0141
- 8、工作方式：S1（连续工作制）
- 9、轴伸：闭口槽
- 10、轴承：SKF或NSK、NTN等。

OPERATING CONDITIONS

- 1、Ambient temperature: -15℃<q<40℃
- 2、Altitude: not exceed 1000m
- 3、Rated voltage: 110V, 115V, 120V, 220V, 230V, 240V
- 4、Rated frequency: 50Hz or 60Hz
- 5、Protection class: IP55
- 6、Insulation class: F, H
- 7、Cooling method: IC0141
- 8、Duty: S1(continuous)
- 9、Shaft: Close keyway
- 10、Bearing: SKF, NSK or NTN



外形及安装尺寸 OVERALL AND MOUNTING DIMENSION

| 机座号 Frame Size | 安装尺寸 Installation Size | | | | | | | 安装尺寸 Installation Size For B5 | | | | | 安装尺寸 Installation Size For B14 | | | | | 外形尺寸 Overall Dimension | | | | | | |
|----------------------|------------------------|-----|----|----|----|---|------|-------------------------------|----|-----|-----|-----|--------------------------------|-----|-----|-----|-----|------------------------|-----|-----|-----|-----|-----|-----|
| | A | B | C | D | E | F | G | H | K | M | N | P | S | T | M | N | P | S | T | AB | AC | AD | HD | L |
| 56 | 90 | 71 | 36 | 9 | 20 | 3 | 7.2 | 56 | 6 | 100 | 80 | 120 | 8.5 | 3 | 65 | 50 | 80 | M5 | 2 | 112 | 108 | 93 | 149 | 192 |
| 63 | 100 | 80 | 40 | 11 | 23 | 4 | 8.5 | 63 | 7 | 115 | 95 | 140 | 10 | 3 | 75 | 60 | 90 | M5 | 2.5 | 120 | 120 | 97 | 160 | 211 |
| 71 | 112 | 90 | 45 | 14 | 30 | 5 | 11 | 71 | 7 | 130 | 110 | 160 | 10 | 3.5 | 85 | 70 | 105 | M6 | 2.5 | 135 | 135 | 107 | 178 | 246 |
| 80 | 125 | 100 | 50 | 19 | 40 | 6 | 15.5 | 80 | 10 | 165 | 130 | 200 | 12 | 3.5 | 100 | 80 | 120 | M6 | 3 | 155 | 155 | 141 | 221 | 284 |
| 90S | 140 | 100 | 56 | 24 | 50 | 8 | 20 | 90 | 10 | 165 | 130 | 200 | 12 | 3.5 | 115 | 95 | 140 | M8 | 3 | 175 | 175 | 160 | 250 | 314 |
| 90L | 140 | 125 | 56 | 24 | 50 | 8 | 20 | 90 | 10 | 165 | 130 | 200 | 12 | 3.5 | 115 | 95 | 140 | M8 | 3 | 175 | 175 | 160 | 250 | 339 |
| 100L | 160 | 140 | 63 | 28 | 60 | 8 | 24 | 100 | 12 | 215 | 180 | 250 | 15 | 4 | 130 | 110 | 160 | M8 | 3.5 | 200 | 195 | 160 | 260 | 412 |
| 112M | 190 | 140 | 70 | 28 | 60 | 8 | 24 | 112 | 12 | 215 | 180 | 250 | 15 | 4 | 130 | 110 | 160 | M8 | 3.5 | 226 | 220 | 166 | 278 | 421 |

技术数据 TECHNICAL DATA(220V 50Hz)

| 型号 Model | 功率 Output | | 电流 Current (A) | 功率因素 Power Factor | 效率 Eff (%) | 转速 Speed (r/min) | 堵转转矩 额定转矩 Tstart/Tn | 堵转电流 额定电流 Ist/In | 最大转矩 额定转矩 Tmax/Tn |
|-------------|--------------|------|----------------------|-------------------------|------------------|------------------------|---------------------------|------------------------|-------------------------|
| | KW | HP | | | | | | | |
| MY561-2 | 0.09 | 0.12 | 0.77 | 0.92 | 58 | 2730 | 0.55 | 4.5 | 1.7 |
| MY562-2 | 0.12 | 0.16 | 0.96 | 0.92 | 62 | 2730 | 0.55 | 4.5 | 1.7 |
| MY631-2 | 0.18 | 0.24 | 1.35 | 0.92 | 66 | 2740 | 0.50 | 4.5 | 1.7 |
| MY632-2 | 0.25 | 0.33 | 1.84 | 0.92 | 67 | 2740 | 0.50 | 4.5 | 1.7 |
| MY711-2 | 0.37 | 0.5 | 2.65 | 0.92 | 69 | 2750 | 0.45 | 4.5 | 1.7 |
| MY712-2 | 0.55 | 0.75 | 3.83 | 0.92 | 71 | 2760 | 0.45 | 4.5 | 1.7 |
| MY801-2 | 0.75 | 1 | 5.08 | 0.92 | 73 | 2780 | 0.40 | 4.5 | 1.7 |
| MY802-2 | 1.1 | 1.5 | 7.02 | 0.95 | 75 | 2790 | 0.40 | 4.5 | 1.7 |
| MY90S-2 | 1.5 | 2 | 9.44 | 0.95 | 76 | 2800 | 0.35 | 5.0 | 1.7 |
| MY90L-2 | 2.2 | 3 | 13.7 | 0.95 | 77 | 2800 | 0.35 | 5.0 | 1.7 |
| MY561-4 | 0.06 | 0.08 | 0.57 | 0.90 | 53 | 1330 | 0.55 | 4.5 | 1.7 |
| MY562-4 | 0.09 | 0.12 | 0.81 | 0.90 | 56 | 1340 | 0.55 | 4.5 | 1.7 |
| MY631-4 | 0.12 | 0.16 | 1.01 | 0.90 | 60 | 1350 | 0.50 | 4.5 | 1.7 |
| MY632-4 | 0.18 | 0.24 | 1.47 | 0.90 | 62 | 1360 | 0.50 | 4.5 | 1.7 |
| MY711-4 | 0.25 | 0.33 | 1.93 | 0.92 | 64 | 1370 | 0.45 | 4.5 | 1.7 |
| MY712-4 | 0.37 | 0.5 | 2.77 | 0.92 | 66 | 1370 | 0.45 | 4.5 | 1.7 |
| MY801-4 | 0.55 | 0.75 | 4.00 | 0.92 | 68 | 1380 | 0.40 | 4.5 | 1.7 |
| MY802-4 | 0.75 | 1 | 5.29 | 0.92 | 70 | 1380 | 0.40 | 4.5 | 1.7 |
| MY90S-4 | 1.1 | 1.5 | 7.21 | 0.95 | 73 | 1390 | 0.35 | 5.0 | 1.7 |
| MY90L-4 | 1.5 | 2 | 9.57 | 0.95 | 75 | 1400 | 0.35 | 5.0 | 1.7 |

ML

系列单相铝壳异步电动机 SERIES SINGLE-PHASE ASYNCHRONOUS MOTOR WITH ALUMINIUM HOUSING



简介

ML 系列单相双值电容铝壳电动机采用了国际上最新设计由高质量材料按IEC相关标准研制而成，具有性能良好，操作可靠、安全，外表美观，维修方便，噪声小，微振动，重量轻，结构简单等一系列优点。

ML 系列电动机适用于空压机、水泵、制冷器、医疗仪器、设备和其它小型机器。

使用条件

- 1、环境温度：-15℃<q<40℃
- 2、海拔：不超过1000m
- 3、额定电压：110V、115V、120V、220V、230V、240V
- 4、额定频率：50Hz或60Hz
- 5、防护等级：IP55
- 6、绝缘等级：F级、H级
- 7、冷却方式：IC0141
- 8、工作方式：S1（连续工作制）
- 9、轴伸：闭口槽
- 10、轴承：SKF或NSK、NTN等。

INTRODUCTION

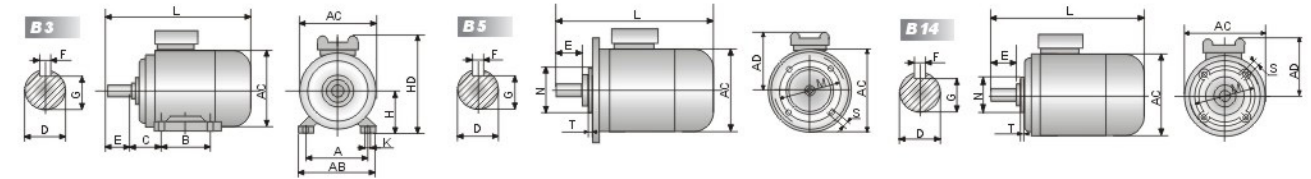
ML series aluminium housing single-phase two value capacitor asynchronous motors, with the national latest design, are made of quality materials and meet the relative standards of IEC. ML series motors have following features: good performance, safe and reliable operation, nice appearance, convenient maintenance, low noise, slight vibration, light weight and simple construction.

This series motors can be used on air compressor, pumps, refrigeration, medical apparatus and instruments, and many other small size machines.

OPERATING CONDITIONS

- 1、Ambient temperature: -15℃<q<40℃
- 2、Altitude: not exceed 1000m
- 3、Rated voltage: 110V, 115V, 120V, 220V, 230V, 240V
- 4、Rated frequency: 50Hz or 60Hz
- 5、Protection class: IP55
- 6、Insulation class: F, H
- 7、Cooling method: IC0141
- 8、Duty: S1(continuous)
- 9、Shaft: Close keyway
- 10、Bearing: SKF, NSK or NTN

外形及安装尺寸 OVERALL AND MOUNTING DIMENSION



| 机座号 Frame Size | 安装尺寸 Installation Size (mm) | | | | | | | | B5安装尺寸 Installation Size For B5 | | | | | B14安装尺寸 Installation Size For B14 | | | | | 外形尺寸 Overall Dimension (mm) | | | | | |
|----------------------|-----------------------------|-----|----|----|----|---|------|-----|------------------------------------|-----|-----|-----|----|--------------------------------------|-----|-----|-----|----|--------------------------------|-----|-----|-----|-----|-----|
| | A | B | C | D | E | F | G | H | K | M | N | P | S | T | M | N | P | S | T | AB | AC | AD | HD | L |
| 71 | 112 | 90 | 45 | 14 | 30 | 5 | 11 | 71 | 7 | 130 | 110 | 160 | 10 | 3.5 | 85 | 70 | 105 | M6 | 2.5 | 135 | 140 | 107 | 178 | 246 |
| 80 | 125 | 100 | 50 | 19 | 40 | 6 | 15.5 | 80 | 10 | 165 | 130 | 200 | 12 | 3.5 | 100 | 80 | 120 | M6 | 3 | 155 | 160 | 141 | 221 | 299 |
| 90S | 140 | 100 | 56 | 24 | 50 | 8 | 20 | 90 | 10 | 165 | 130 | 200 | 12 | 3.5 | 115 | 95 | 140 | M8 | 3 | 175 | 175 | 160 | 250 | 328 |
| 90L | 140 | 125 | 56 | 24 | 50 | 8 | 20 | 90 | 10 | 165 | 130 | 200 | 12 | 3.5 | 115 | 95 | 140 | M8 | 3 | 175 | 175 | 160 | 250 | 358 |
| 100L | 160 | 140 | 63 | 28 | 60 | 8 | 24 | 100 | 12 | 215 | 180 | 250 | 15 | 4 | 130 | 110 | 160 | M8 | 3.5 | 200 | 195 | 160 | 260 | 412 |
| 112M | 190 | 140 | 70 | 28 | 60 | 8 | 24 | 112 | 12 | 215 | 180 | 250 | 15 | 4 | 130 | 110 | 160 | M8 | 3.5 | 226 | 220 | 166 | 278 | 421 |

技术数据 TECHNICAL DATA(220V 50Hz)

| 型号 Model | 功率 Output | | 电流 Current (A) | 功率因数 Power Factor | 效率 Eff (%) | 转速 Speed (r/min) | 堵转转矩 额定转矩 Tstart/Tn | 堵转电流 额定电流 Ist/In | 最大转矩 额定转矩 Tmax/Tn |
|-------------|--------------|------|----------------------|-------------------------|------------------|------------------------|---------------------------|------------------------|-------------------------|
| | kW | HP | | | | | | | |
| ML711-2 | 0.37 | 0.5 | 2.60 | 0.95 | 68 | 2760 | 2.2 | 6.5 | 1.7 |
| ML712-2 | 0.55 | 0.75 | 3.71 | 0.95 | 71 | 2760 | 2.2 | 6.5 | 1.7 |
| ML801-2 | 0.75 | 1 | 4.92 | 0.95 | 73 | 2780 | 2.2 | 6.5 | 1.7 |
| ML802-2 | 1.1 | 1.5 | 7.02 | 0.95 | 75 | 2780 | 2.2 | 6.5 | 1.7 |
| ML90S-2 | 1.5 | 2 | 9.32 | 0.95 | 77 | 2800 | 2.2 | 6.5 | 1.7 |
| ML90L-2 | 2.2 | 3 | 13.5 | 0.95 | 78 | 2800 | 2.2 | 6.5 | 1.7 |
| ML100L-2 | 3 | 4 | 18.2 | 0.95 | 79 | 2820 | 2.0 | 7.0 | 1.7 |
| ML112M-2 | 3.7 | 5 | 22.1 | 0.95 | 80 | 2820 | 2.0 | 7.0 | 1.7 |
| ML711-4 | 0.25 | 0.33 | 1.90 | 0.95 | 63 | 1360 | 2.2 | 6.5 | 1.7 |
| ML712-4 | 0.37 | 0.5 | 2.64 | 0.95 | 67 | 1360 | 2.2 | 6.5 | 1.7 |
| ML801-4 | 0.55 | 0.75 | 3.76 | 0.95 | 70 | 1380 | 2.2 | 6.5 | 1.7 |
| ML802-4 | 0.75 | 1 | 4.98 | 0.95 | 72 | 1380 | 2.2 | 6.5 | 1.7 |
| ML90S-4 | 1.1 | 1.5 | 7.11 | 0.95 | 74 | 1400 | 2.2 | 6.5 | 1.7 |
| ML90L-4 | 1.5 | 2 | 9.44 | 0.95 | 76 | 1400 | 2.2 | 6.5 | 1.7 |
| ML100L1-4 | 2.2 | 3 | 13.7 | 0.95 | 77 | 1410 | 2.0 | 7.0 | 1.7 |
| ML100L2-4 | 3 | 4 | 18.4 | 0.95 | 78 | 1420 | 2.0 | 7.0 | 1.7 |
| ML112M-4 | 3.7 | 5 | 22.4 | 0.95 | 79 | 1420 | 2.0 | 7.0 | 1.7 |

ST

■ 系列单相交流同步发电机 SERIES SINGLE-PHASE A.C SYNCHRONOUS GENERATOR

简介

ST单相交流同步发电机主要是作为小型船舶的照明及城镇、乡村家庭日用电器的电源。

发电机为防滴式，凸极旋转磁场自激恒压型式。内部采用优质电磁材料和电工材料，定子绝缘E（或B）级，转子绝缘B级。发电机外形优雅大方，结构坚固耐用，维护方便。安装尺寸采用国际电工协会IEC标准。如采用B型端盖，也可适应澳大利亚和欧美等地区配套要求。

发电机采用谐波励磁恒压和自动电压控制励磁恒压两种励磁系统，具有最佳的动态特性，使用方便可靠，经久耐用。

使用条件

在下列环境条件下，发电机能够额定运行：

1. 海拔不超过1000米。
2. 环境温度-15°C~40°C
3. 相对湿度不超过90%。

INTRODUCTION

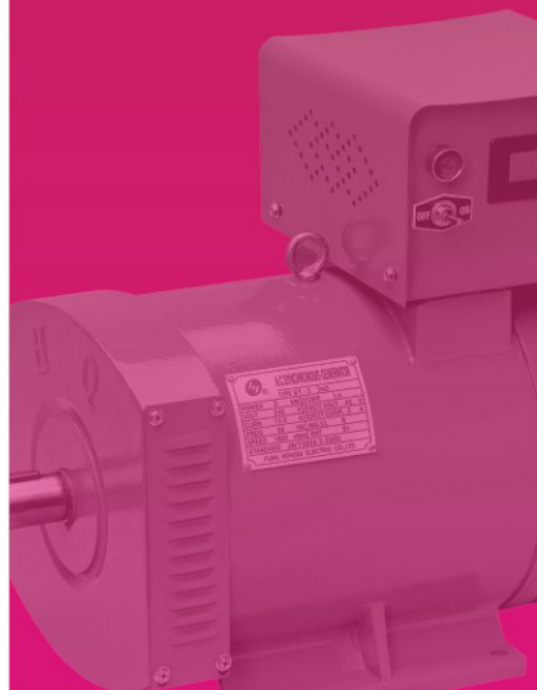
STseries generators are mainly designed to serve as power generating unit of small capacity which supply electricity for lighting purpose in ships as well as for household electric devices used in towns or villages. The construction of the generators is of drip-proof, salient pole rotating field self-excitation and constant voltage type. The alternator inside is used with high quality electric magnetic and electrical materials. Stator insulation is of Class E (or B). rotor insulation is of Class B. These generators are excellent in appearance, they are consolidate in construction and easy to maintain. Dimensions are adopted IEC standard, they are suitable for Australia, Europe, America and other countries if the end covers are model B.

The alternators are of harmonic wave self-excitation constant voltage system and automatic voltage control excitation constant voltage system, both of them have excellent dynamic characteristic performance, convenient and reliable in operation.

OPERATING CONDITIONS

Under the following environment, the generator could run continuously:

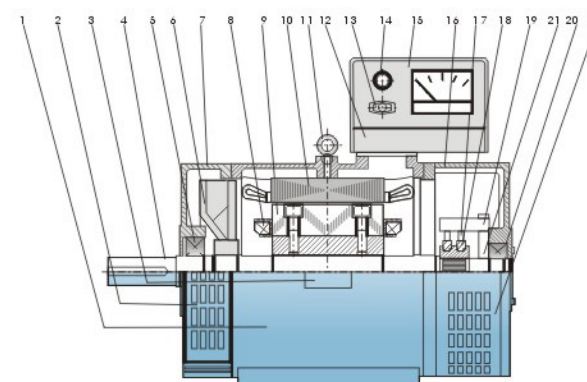
1. Altitude: not exceed 1000m.
2. Ambient temperature: -15°C~40°C
3. Relative air humidity: not exceed 90%.



HONGQI ELECTRICAL GENERATOR

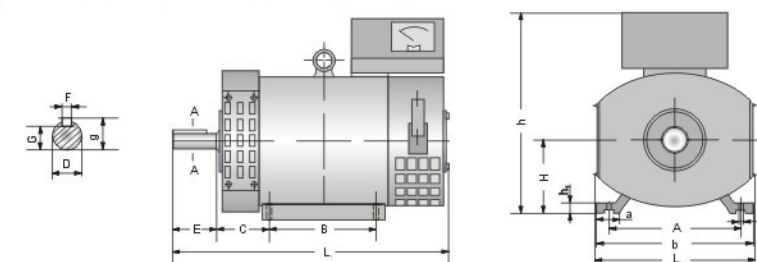


材料列表 MATERIAL LIST



| 项目 Item | 描述 Description | 项目 Item | 描述 Description |
|------------|----------------------------|------------|-------------------------|
| 1 | 机座 Frame | 12 | 开关箱 Switch box |
| 2 | 前窗盖板 DE Covering plate | 13 | 开关 Switch |
| 3 | 铭牌 Name plate | 14 | 指示灯 Indicator |
| 4 | 转轴 Shaft | 15 | 电压表 Voltmeter |
| 5 | 前轴承 DE bearing | 16 | 后端盖 NDE endshield |
| 6 | 风扇 Fan | 17 | 碳刷 Carbon brush |
| 7 | 前端盖 DE endshield | 18 | 滑环 Commutator |
| 8 | 磁极线圈 Magnetic pole winding | 19 | 碳刷杆 Brush holder |
| 9 | 磁极 Magnetic pole | 20 | 后轴承 NDE bearing |
| 10 | 定子 Stator | 21 | 轴承盖 Bearing cover |
| 11 | 吊环 Eyebolt | 22 | 后窗盖板 NDE Covering plate |

外形及安装尺寸 OVERALL AND MOUNTING DIMENSION



| 型号 Type | 功率 Output (kW) | 安装尺寸 Mounting Dimension (mm) | | | | | | | | | | 外形尺寸 Overall Dimension | | | | | |
|------------|----------------------|------------------------------|-----|-----|-----|----|-----|----|------|------|----|---------------------------|-----|----|-----|-----|-----|
| | | H | A | B | C | D | E | F | G | g | K | a | b | h1 | h | L1 | L2 |
| ST-1 | 1.0 | 132 | 216 | 178 | 89 | 32 | 80 | 10 | 27 | 34.8 | 12 | 34 | 250 | 18 | 384 | 480 | 270 |
| ST-2 | 2.0 | 132 | 216 | 178 | 89 | 32 | 80 | 10 | 27 | 34.8 | 12 | 34 | 250 | 18 | 385 | 480 | 270 |
| ST-3 | 3.0 | 132 | 216 | 178 | 89 | 32 | 80 | 10 | 27 | 34.8 | 12 | 34 | 250 | 18 | 384 | 480 | 270 |
| ST-5 | 5.0 | 160 | 254 | 254 | 108 | 38 | 80 | 10 | 33 | 40.8 | 15 | 50 | 310 | 25 | 440 | 580 | 325 |
| ST-7.5 | 7.5 | 160 | 254 | 254 | 108 | 38 | 80 | 10 | 33 | 40.8 | 15 | 50 | 310 | 25 | 440 | 580 | 325 |
| ST-10 | 10 | 180 | 279 | 203 | 121 | 42 | 110 | 12 | 37 | 44.8 | 15 | 60 | 339 | 25 | 480 | 610 | 365 |
| ST-12 | 12 | 180 | 279 | 203 | 121 | 42 | 110 | 12 | 37 | 44.8 | 15 | 60 | 339 | 25 | 480 | 610 | 365 |
| ST-15 | 15 | 200 | 318 | 228 | 133 | 48 | 110 | 14 | 42.5 | 51.2 | 19 | 60 | 378 | 30 | 540 | 660 | 400 |
| ST-20 | 20 | 200 | 318 | 228 | 133 | 48 | 110 | 14 | 42.5 | 51.2 | 19 | 60 | 378 | 30 | 540 | 660 | 400 |
| ST-24 | 24 | 200 | 318 | 228 | 133 | 48 | 110 | 14 | 42.5 | 51.2 | 19 | 60 | 378 | 30 | 540 | 660 | 400 |

技术数据 TECHNICAL DATA

| 型号 Type | 功率 Output (kW) | 电流 Current(A) | | 电压 Voltage(V) | | 功率因数 Power factor (cosφ) | 极数 Pole number | 转速 Speed (r.p.m) | 频率 Freq. (Hz) |
|------------|----------------------|------------------------|--------------------------|------------------------|--------------------------|-----------------------------------|----------------------|------------------------|---------------------|
| | | 串联Series Connection | 并联Parallel Connection | 串联Series Connection | 并联Parallel Connection | | | | |
| ST-1 | 1.0 | 4.35 8.7 | | | | 1.0 | 4 | 1500/1800 | 50/60 |
| ST-2 | 2.0 | 8.7 17.4 | | | | | | | |
| ST-3 | 3.0 | 13 26 | | | | | | | |
| ST-5 | 5.0 | 21.8 43.5 | | | | | | | |
| ST-7.5 | 7.5 | 32.6 65.2 | | 230 115 | | | | | |
| ST-10 | 10 | 43.5 87 | | | | | | | |
| ST-12 | 12 | 52.2 104 | | | | | | | |
| ST-15 | 15 | 65.3 130 | | | | | | | |
| ST-20 | 20 | 87 174 | | | | | | | |
| ST-24 | 24 | 104 208 | | | | | | | |

STC

■ 系列三相交流同步发电机 SERIES THREE-PHASE A.C. SYNCHRONOUS GENERATORS

简介

STC 发电机适用于乡村、城镇、工地、山区及牧区等的照明及动力的三相交流电源，也可作为应急用的备用电源。

发电机为防滴转场式，采用带有中性点的星形接法，额定线电压为400伏，相电压为230伏，频率50赫，功率因数0.8（滞后）。根据需要，也可提供60赫及其它电压值的发电机。

发电机与原动机可直接联结或用三角皮带联接，正反转额定连续运行。当原动机转速变化3%时，负载从0~100%， $\cos \phi$ 1.0~0.8范围内任意变化，其恒压性能优良，同时，无需任何起动装置能直接起动0.7倍容量的空载鼠笼型异步电机。

使用条件

在下列环境条件下，发电机能够额定运行：

1. 海拔不超过1000米。
2. 环境温度-15°C~40°C
3. 相对湿度不超过90%。

INTRODUCTION

STC generators are to be used in town, the countryside, worksites, mountain and pasture lands as a electric power source for lighting purpose, It can also be used as a reserved power source for emergent case.

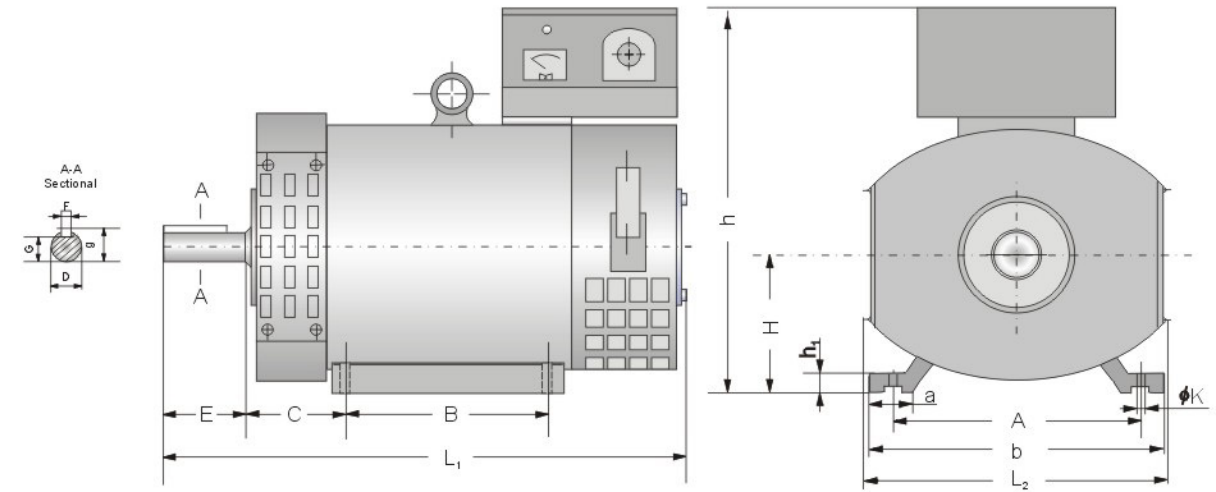
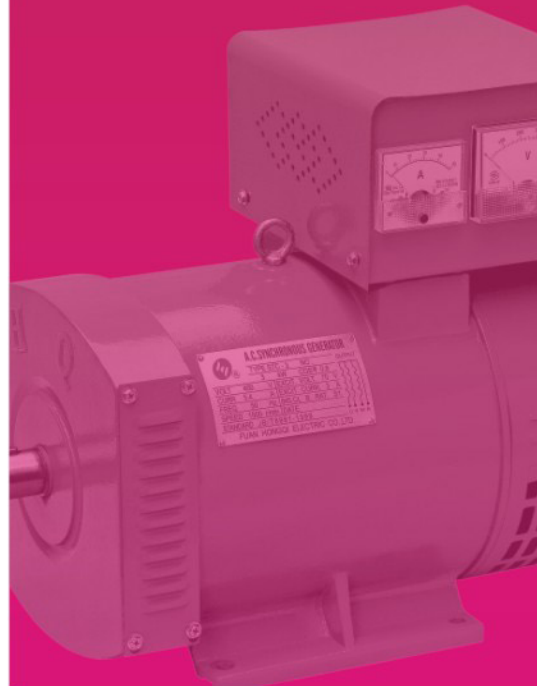
The generators are of drip-pooof with rotary field type and with the adoption of harmonic excitation system, that allow your easy operation and simple maintenance. The generators are of three-phase four-wire type, making use of atar connection with neutral point. The rated line voltage is 400V, phase voltage 230V, frequency 50Hz, power factor 0.8(lag). It can provide 60Hz and the other voltage's generator according to necessary.

They can be coupled with a prime mover directly or through V-belt making right or reverse continuous rotation at the rated speed, when the revolution slip of prime mover is 3% and load varies in the range of 0~100% $\cos \phi$ 1.0~0.8 they give food constant voltage. After sudden change (increase or decrease)of load, the generators will soon return to their normal working state, without any starting devices the generator can directly start an unloaded squirrel cage induction motor.

OPERATING CONDITIONS

Under the following environment, the generator could run continuously:

1. Altitude: not exceed 1000m.
2. Ambient temperature: -15°C~40°C
3. Relative air humidity: not exceed 90%.



外形及安装尺寸 OVERALL AND MOUNTING DIMENSION

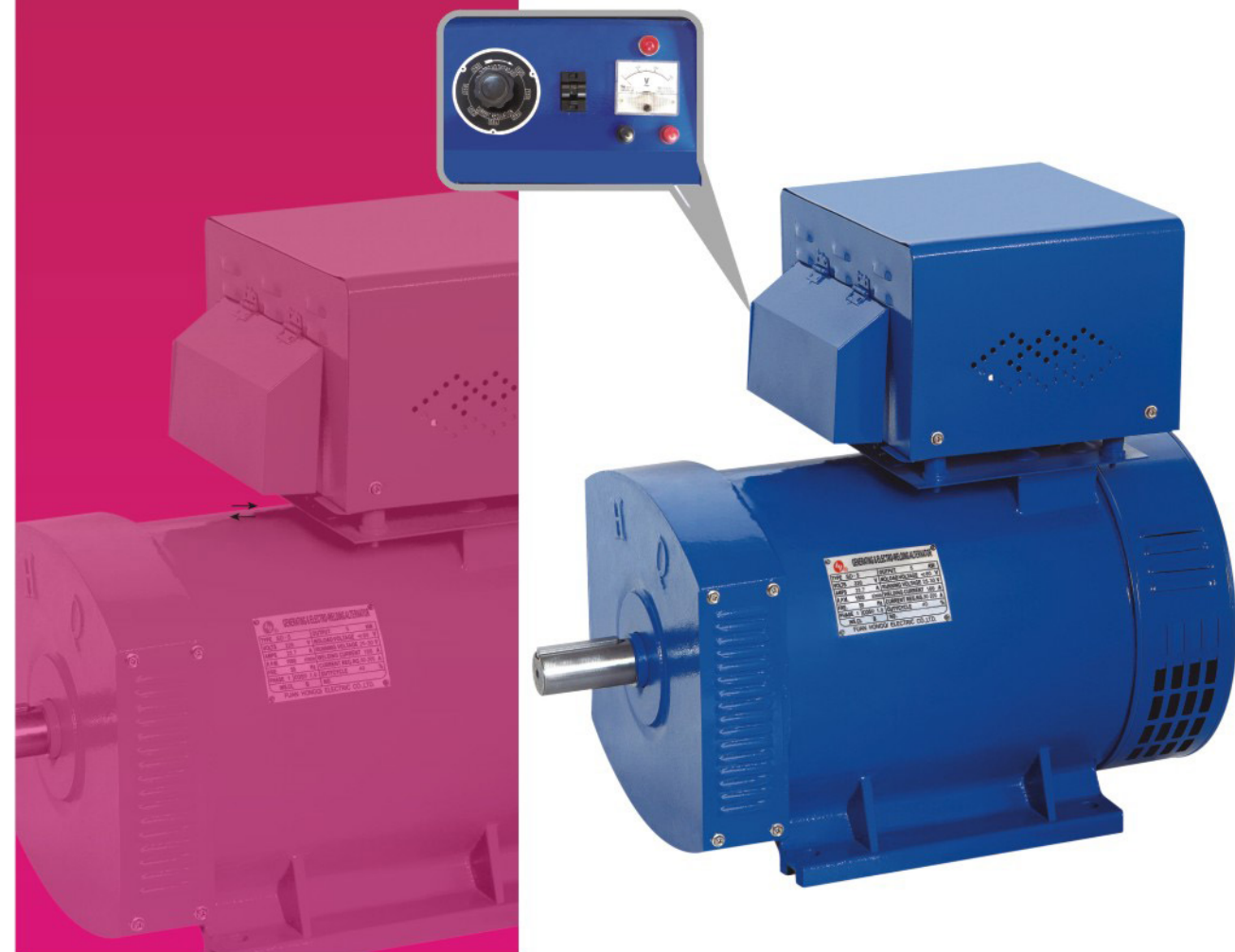
| 型号 Type | 功率 Output | | 安装尺寸 Mounting Dimension (mm) | | | | | | | | | | 外形尺寸 Overall Dimension | | | | | |
|------------|--------------|-----|------------------------------|-----|-----|-----|----|-----|----|------|------|----|---------------------------|-----|----|-----|-----|-----|
| | kVA | kW | H | A | B | C | D | E | F | G | g | K | a | b | h1 | h | L1 | L2 |
| STC-3 | 3.80 | 3.0 | 132 | 216 | 178 | 89 | 32 | 80 | 10 | 27.0 | 34.8 | 12 | 34 | 250 | 18 | 400 | 480 | 270 |
| STC-5 | 6.30 | 5.0 | 160 | 254 | 254 | 108 | 38 | 80 | 10 | 330 | 40.8 | 15 | 50 | 310 | 25 | 455 | 580 | 325 |
| STC-7.5 | 9.40 | 7.5 | 160 | 254 | 254 | 108 | 38 | 80 | 10 | 33.0 | 40.8 | 15 | 50 | 310 | 25 | 455 | 580 | 325 |
| STC-8 | 10.0 | 8.0 | 160 | 254 | 254 | 108 | 38 | 80 | 10 | 33.0 | 40.8 | 15 | 50 | 310 | 25 | 455 | 580 | 325 |
| STC-10 | 12.5 | 10 | 180 | 279 | 203 | 121 | 42 | 110 | 12 | 37.0 | 44.8 | 15 | 60 | 339 | 25 | 495 | 610 | 365 |
| STC-12 | 15.0 | 12 | 180 | 279 | 203 | 121 | 42 | 110 | 12 | 37.0 | 44.8 | 15 | 60 | 339 | 25 | 495 | 610 | 365 |
| STC-15 | 18.8 | 15 | 200 | 318 | 228 | 133 | 48 | 110 | 14 | 42.5 | 51.5 | 19 | 60 | 378 | 30 | 540 | 660 | 400 |
| STC-20 | 25.0 | 20 | 200 | 318 | 228 | 133 | 48 | 110 | 14 | 42.5 | 51.5 | 19 | 60 | 378 | 30 | 540 | 660 | 400 |
| STC-24 | 30.0 | 24 | 200 | 318 | 228 | 133 | 48 | 110 | 14 | 42.5 | 51.5 | 19 | 60 | 378 | 30 | 540 | 660 | 400 |
| STC-30 | 37.5 | 30 | 225 | 356 | 286 | 149 | 60 | 140 | 18 | 53.0 | 64.0 | 19 | 65 | 421 | 32 | 610 | 770 | 452 |
| STC-40 | 50.0 | 40 | 225 | 356 | 286 | 149 | 60 | 140 | 18 | 53.0 | 64.0 | 19 | 65 | 421 | 32 | 610 | 770 | 452 |
| STC-50 | 62.5 | 50 | 225 | 356 | 311 | 149 | 60 | 140 | 18 | 53.0 | 64.0 | 19 | 65 | 421 | 32 | 610 | 810 | 452 |

技术数据 TECHNICAL DATA

| 型号 Type | 功率 Output | | 电压 Voltage (V) | 电流 Current (A) | 功率因数 Power factor (cosφ) | 转速 Speed (r/min) | 频率 Freq (Hz) | 极数 Pole Number |
|------------|--------------|-----|-------------------|-------------------|-----------------------------|---------------------|-----------------|-------------------|
| | kVA | kW | | | | | | |
| STC-3 | 3.80 | 3.0 | 400/230 | 5.40 | 0.8 | 1500 | 50 | 4 |
| STC-5 | 6.30 | 5.0 | | 9.00 | | | | |
| STC-7.5 | 9.40 | 7.5 | | 13.5 | | | | |
| STC-8 | 10.0 | 8.0 | | 14.4 | | | | |
| STC-10 | 12.5 | 10 | | 18.1 | | | | |
| STC-12 | 15.0 | 12 | | 21.7 | | | | |
| STC-15 | 18.8 | 15 | | 27.1 | | | | |
| STC-20 | 25.0 | 20 | | 36.1 | | | | |
| STC-24 | 30.0 | 24 | | 43.3 | | | | |
| STC-30 | 37.5 | 30 | | 54.1 | | | | |
| STC-40 | 50.0 | 40 | 72.2 | | | | | |
| STC-50 | 62.5 | 50 | 90.2 | | | | | |

SD SDC

发电/电焊两用交流发电机 GENERATING & WELDING DUAL-USE GENERATOR

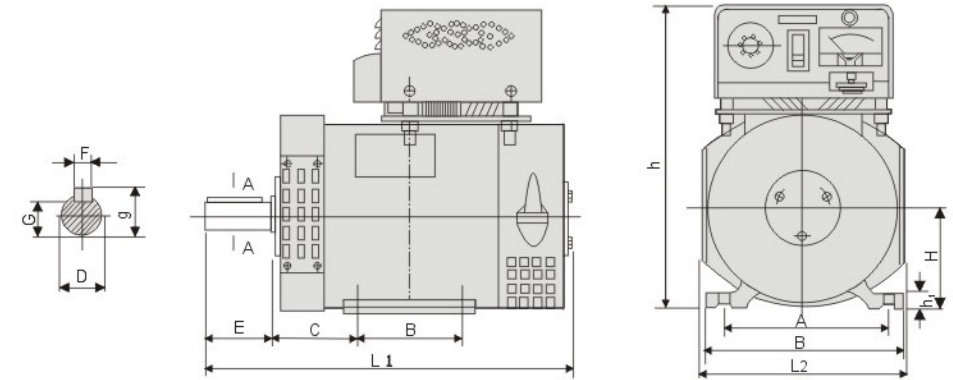


简介

SD/SDC系列发电、电焊两用机，适宜于内燃机拖动组成移动或固定电源，适用于城镇、乡村、林区、建筑工地、小型船舶等作为照明、日用电器、电动工具、及电焊的电源。本产品可发电、电焊单独使用，也可以少量照明和电焊同时使用。防护等级IP21，绝缘等级为B级。

INTRODUCTION

SD / SDC series generating and welding dual-use generators are suitable to be driven by an internal combustion engine. They can be used as mobile or stable power supply unit, which is suitable for using in town, countryside, boats, workshops for lighting or welding purpose. This series generators can serve as lighting or as welding individually, further more, they can serve both as welding and as illumination simultaneously. IP21, Insulation class B.



外形及安装尺寸 OVERALL AND MOUNTING DIMENSION

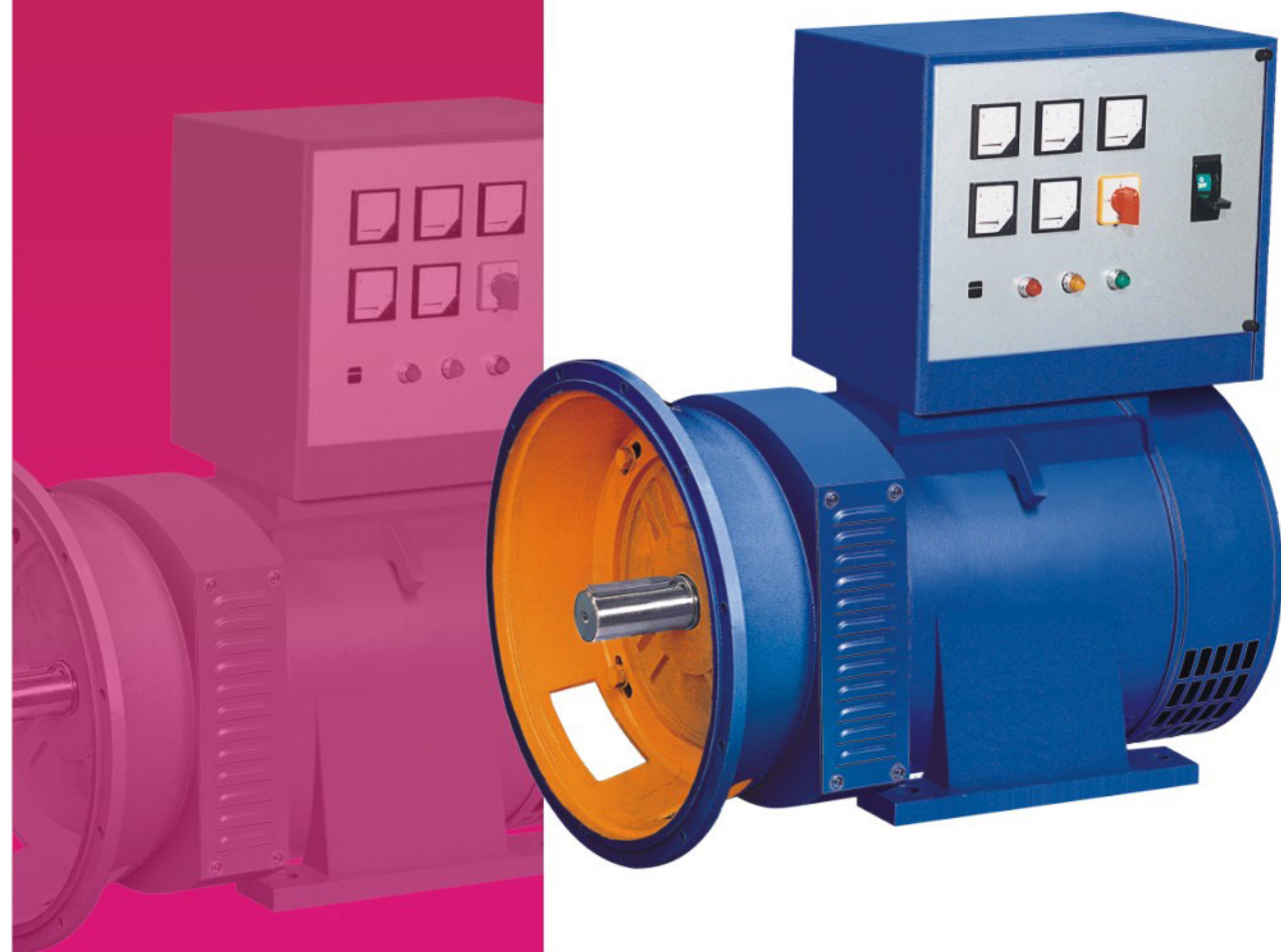
| 型号 MODEL | 安装尺寸 MOUNTING DIMENSIONS (MM) | | | | | | | | | 外形尺寸 OVERALL DIMENSIONS (MM) | | | | | | 重量 Weight (Kg) | |
|------------------|-------------------------------|-----|-----|----|-----|----|------|-----|----|------------------------------|-----|----|-----|-----|-----|----------------------|-----|
| | A | B | C | D | E | F | G | H | K | A | B | H1 | H | L1 | L2 | | G |
| SD-5 | 254 | 254 | 108 | 38 | 80 | 10 | 33 | 160 | 15 | 50 | 310 | 25 | 440 | 580 | 325 | 40.8 | 120 |
| SD-7.5 SDC-5 | 254 | 254 | 108 | 38 | 80 | 10 | 33 | 180 | 15 | 50 | 310 | 25 | 440 | 580 | 325 | 40.8 | 130 |
| SD-10 SDC-7.5 | 279 | 203 | 121 | 42 | 110 | 12 | 37 | 180 | 15 | 60 | 339 | 25 | 480 | 610 | 365 | 44.8 | 140 |
| SD-12 SDC-10 | 279 | 203 | 121 | 42 | 110 | 12 | 37 | 180 | 15 | 60 | 339 | 25 | 480 | 610 | 365 | 44.8 | 155 |
| SDC-12 | 318 | 228 | 133 | 48 | 110 | 14 | 42.5 | 200 | 19 | 60 | 378 | 30 | 540 | 660 | 400 | 51.2 | 192 |

技术数据 TECHNICAL DATA

| 型号 MODEL | 单相 SINGLE-PHASE | | | | | | | | | | | |
|-------------|--------------------|------------------------------|---------------------------|------------------------------|------------------------|--------------------------------|--|--------------------------------|---|--|--|--|
| | 功率 Rated output | 额定电压 Rated voltage (V) | 频率 Rated Freq. (Hz) | 额定电流 Rated current (A) | 转速 Speed (r.p.m) | 功率因数 Power factor (cosφ) | 电焊空载电压 Welding voltage under unload (V) | 焊接电流 Welding current (A) | 暂载率 Continuous rate under load (%) | 电焊电流调节范围 Current adjustment range for welding (A) | | |
| SD-5 | 5 | 230 | 50 | 21.7 | 1500 | 1.0 | <80 | 160 | 40 | 70-200 | | |
| SD-7.5 | 7.5 | 230 | 50 | 32.6 | 1500 | 1.0 | <80 | 200 | 40 | 80-240 | | |
| SD-10 | 10 | 230 | 50 | 43.5 | 1500 | 1.0 | <80 | 230 | 40 | 100-300 | | |
| SD-12 | 12 | 230 | 50 | 52.2 | 1500 | 1.0 | <80 | 300 | 40 | 140-320 | | |
| | 三相 Three-phase | | | | | | | | | | | |
| SDC-5 | 5 | 400 | 50 | 9 | 1500 | 0.8 | <80 | 140 | 40 | 60-160 | | |
| SDC-7.5 | 7.5 | 400 | 50 | 13.5 | 1500 | 0.8 | <80 | 180 | 40 | 70-200 | | |
| SDC-10 | 10 | 400 | 50 | 18.1 | 1500 | 0.8 | <80 | 225 | 40 | 80-280 | | |
| SDC-12 | 12 | 400 | 50 | 21.7 | 1500 | 0.8 | <80 | 280 | 40 | 100-300 | | |

TZH

■ 系列相复励三相交流同步发电机
SERIES THREE-PHASE COMPOUND EXCITATION A.C. SYNCHRONOUS GENERATOR

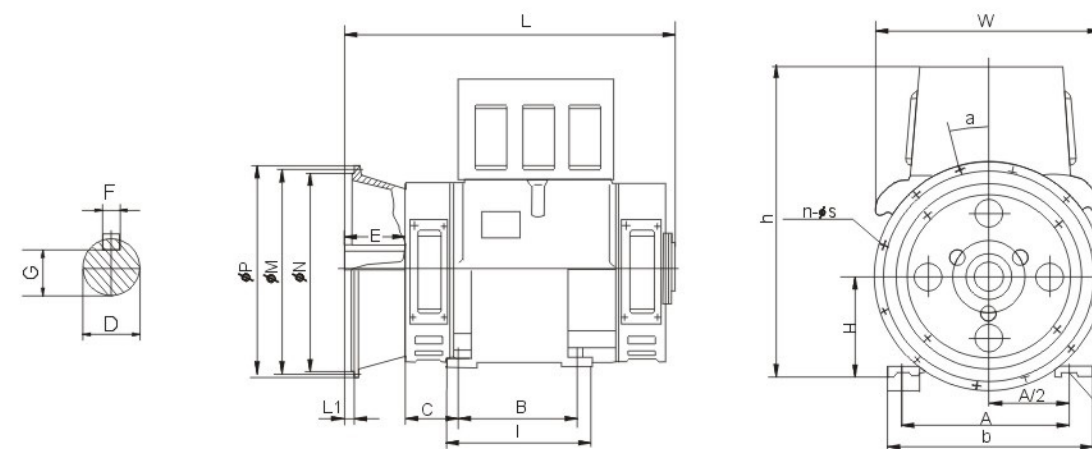


简介

TZH系列发电机按国际JB/T8981-1999制造，同时也符合IEC34-1国际标准，发电机防护等级IP21，绝缘等级为B级或F级。转子采用隐极结构，性能更为可靠。

INTRODUCTION

TZH series generators are made as per standard JB/T8981-1999. And in conformity to IEC34-1. Protection class: IP21, Insulation Class B or F. The rotor structure is Concealed type. Performance is more reliable.



外形及安装尺寸 **OVERALL AND MOUNTING DIMENSION**

| 型号 MODEL | 安装尺寸 MOUNTING DIMENSIONS (mm) | | | | | | | | | | | 外形尺寸 OVERALL DIMENSIONS (mm) | | | | | | | | | |
|-------------|----------------------------------|-----|-------|-----|-----|----|-----|----|------|----|-----|---------------------------------|-----|-------|------|------|-----|----|-----|-----|------|
| | H | A | A/2 | B | C | D | E | F | G | K | N | M | a | n-s | P | L | I | L1 | W | b | h |
| TZH-30 | | | | 286 | | | | | | | | | | | 770 | 346 | | | | | |
| TZH-40 | 225 | 356 | 178 | 311 | 163 | 60 | 140 | 18 | 53 | 19 | 532 | 552 | 15° | 12-12 | 572 | 810 | 346 | 18 | 530 | 421 | 700 |
| TZH-50 | | | | 356 | | | | | | | | | | | 870 | 371 | | | | | |
| TZH-64 | | | | 349 | | | | | | | | | | | 905 | 453 | | | | | |
| TZH-75 | 250 | 406 | 203 | 406 | 168 | 70 | 140 | 20 | 62.5 | 24 | 532 | 552 | 15° | 12-12 | 572 | 945 | 490 | 18 | 560 | 560 | 800 |
| TZH-90 | | | | 368 | | | | | | | | | | | 1040 | 438 | | | | | |
| TZH-120 | 280 | 457 | 228.5 | 457 | 190 | 80 | 170 | 22 | 71 | 24 | 532 | 552 | 15° | 12-12 | 572 | 1120 | 517 | 18 | 640 | 580 | 885 |
| TZH-150 | | | | 500 | | | | | | | | | | | 1270 | 585 | | | | | |
| TZH-200 | 355 | 610 | 305 | 500 | 254 | 90 | 170 | 25 | 81 | 28 | 605 | 625 | 15° | 12-14 | 645 | 1270 | 585 | 22 | 860 | 720 | 1020 |
| TZH-250 | | | | 560 | | | | | | | | | | | 1385 | 645 | | | | | |

技术数据 **TECHNICAL DATA**

| 型号 MODEL | 机座号 Frame number | 额定功率 Rated power | | 额定电流 Rated current (A) | 额定电压 Rated voltage (V) | 转速 Rated speed (r/min) | 频率 Freq. (Hz) | 功率因数 Power factor (cosφ) | 轴承型号 Bearing Type | | 效率 Eff. (%) |
|-------------|---------------------|---------------------|-------|---------------------------|---------------------------|---------------------------|------------------|-----------------------------|----------------------|----------|----------------|
| | | kW | kVA | | | | | | 前 DE | 后 NDE | |
| TZH-30 | 225S | 30 | 37.5 | 54.1 | 400/230 | 1500 | 50 | 0.8 | 2313 | 311 | 88.0 |
| TZH-40 | 225M | 40 | 50 | 72.2 | | | | | | | 89.0 |
| TZH-50 | 225L | 50 | 62.5 | 90.2 | | | | | | | 89.5 |
| TZH-64 | 250M | 64 | 80 | 115 | | | | | 2315 | 313 | 90.5 |
| TZH-75 | 250L | 75 | 93.75 | 135 | | | | | | | 90.8 |
| TZH-90 | 280S | 90 | 112.5 | 162 | | | | | 2317 | 316 | 91.0 |
| TZH-120 | 280L | 120 | 150 | 217 | | | | | | | 91.5 |
| TZH-150 | 355S | 150 | 187.5 | 271 | | | | | | | 92.0 |
| TZH-200 | 355M | 200 | 250 | 361 | | | | | 2319 | 318 | 92.3 |
| TZH-250 | 355L | 250 | 312.5 | 451 | | | | | | | 92.5 |

TWCG

■ 系列无刷三相交流同步发电机
SERIES THREE-PHASE BRUSHLESS A.C. SYNCHRONOUS GENERATOR

简介

该系列发电机机座采用钢板壳结构，转子采用全阻尼的整体凸级结构，采用无刷自激式，并带有AVR自动控制。整机体积小，重量轻，外观精致，性能优良。

TWG系列无刷发电机的主要性能和安装尺寸符合国际IEC34标准和有关国内标准，产品达当代国际水平。

INTRODUCTION

Its body is constructed by steel shell and rotor is made as whole salient pole type with full damping, with brushless self exciting method and automatic controlling by AVR. It have following features: small-size, light-weight, good appearance and perfect performance.

The technical performance and mounting dimensions of TWG series generators are in conformity to international IEC and relevant national standard, the quality of products can reach up-to-day international level.



使用条件

- 1、四级无刷可控自激式、防滴漏结构（IP21防护等级），F级或H级绝缘；
- 2、全阻尼的整体凸级结构，保证发电机在各种工况下稳定运行，并可在150%额定转速下运行2min；
- 3、稳态电压调整率 $\leq \pm 1\%$ ，瞬态电压调整率： $-15\% \sim +20\%$ ；
- 4、电压波形畸变率THD $\leq 3\%$ ，电话谐波系数THF $\leq 2.5\%$ ，电话影响系数TIF ≤ 50 。

OPERATING CONDITIONS

- 1、Four-pole brushless controllable self-exciting, drip-leak-proof; (IP21 protect class), insulation class F (or H);
- 2、Full-damping whole salient construction guarantee generator to be operated stably in any situation, and enable it to run 2minutes under 150% rated speed;
- 3、Adjusting rate of stable voltage $\leq \pm 1\%$, adjusting rate of instant voltage: $-15\% \sim +20\%$;
- 4、Wave aberration rate of voltage THD $\leq 3\%$, telephone harmonic wave factor of telephone THF $\leq 2.5\%$, telephone effective factor of telephone TIF ≤ 50 .

技术数据 TECHNICAL DATA

| 型号 MODEL | 额定功率 Rated Power | | 额定电压 Rated Volt. (V) | 额定频率 Rated Freq. (Hz) | 额定电流 Rated Current (A) | 稳定电压调整率 Regulate Voltage Adjust % | 功率因数 Power factor (cosφ) | 额定转速 Rated speed (r/min) |
|-------------|---------------------|--------|----------------------------|-----------------------------|------------------------------|---|--------------------------------|--------------------------------|
| | (kW) | (kVA) | | | | | | |
| TWG-10 | 10 | 12.5 | 400/230 | 50 | 18.1 | 1% | 0.8 | 1500 |
| TWG-12 | 12 | 15 | | | 21.7 | | | |
| TWG-15 | 15 | 18.8 | | | 27.1 | | | |
| TWG-20 | 20 | 25 | | | 36.1 | | | |
| TWG-24 | 24 | 30 | | | 43.3 | | | |
| TWG-30 | 30 | 37.5 | | | 54.1 | | | |
| TWG-40 | 40 | 50 | | | 72.2 | | | |
| TWG-50 | 50 | 62.5 | | | 90.2 | | | |
| TWG-64 | 64 | 80 | | | 115.5 | | | |
| TWG-75 | 75 | 93.8 | | | 135.3 | | | |
| TWG-90 | 90 | 112.5 | | | 162.4 | | | |
| TWG-100 | 100 | 125 | | | 180.4 | | | |
| TWG-120 | 120 | 150 | | | 216.5 | | | |
| TWG-150 | 150 | 187.5 | | | 270.6 | | | |
| TWG-200 | 200 | 250 | | | 360.8 | | | |
| TWG-250 | 250 | 312.5 | | | 451.1 | | | |
| TWG-300 | 300 | 375 | 541 | | | | | |
| TWG-355 | 355 | 443.75 | 640.5 | | | | | |
| TWG-400 | 400 | 500 | 722 | | | | | |
| TWG-450 | 450 | 562.5 | 812 | | | | | |
| TWG-500 | 500 | 625 | 902 | | | | | |

GF1

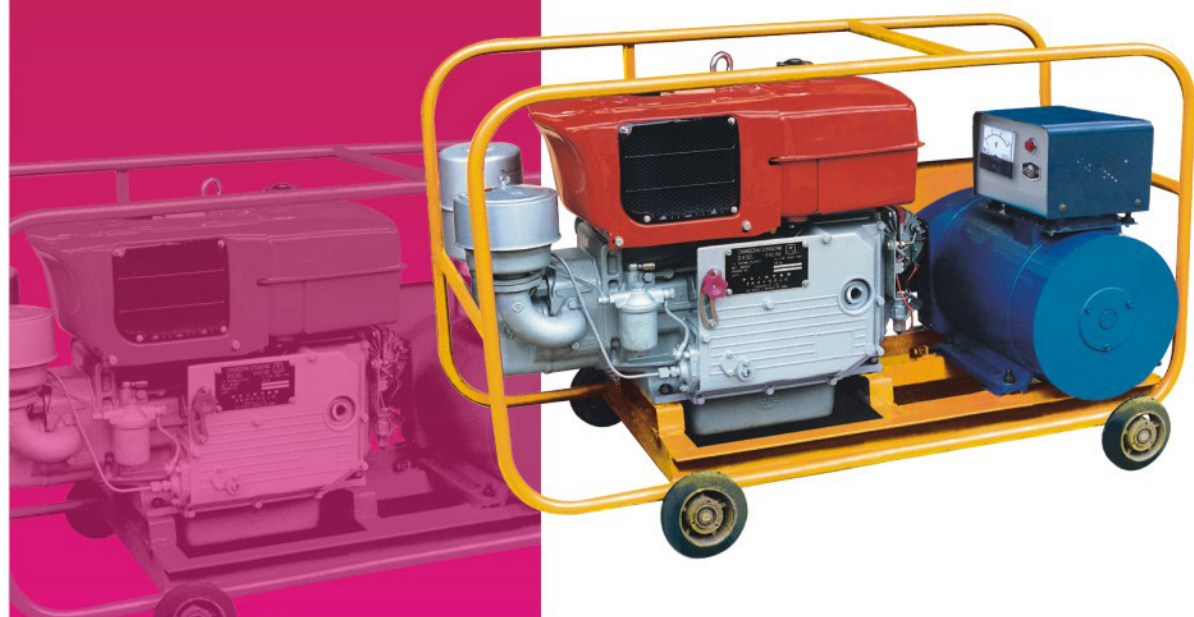
■ 系列三相柴油发电机组 SERIES THREE-PHASE DIESEL GENERATING SETS

简介

1. 城镇及乡村照明, 生活用电器的电源等, 如电视、空调器、冷气机、电灶、电冰箱、洗衣机等。
2. 露天工地作业的照明、电钻、抽水机等用的电源。
3. 作为重要线路的借用电源, 如医院、银行、大楼、广播站、电视车等。

INTRODUCTION

1. power source for lighting in towns or countryside, and for operating everyday electric apparatus such as TV, air conditioners, coolers, cookers, refrigerators and washing machine, etc.
2. Power source for lighting in open air working places and for running such machine as drillers, electric motors, grinders, water pumps, etc.
3. Power source for lighting in open air working places and for running such machine as drillers, electric motors, grinders, water pumps, etc.



2KW-24KW 水冷柴油发电机组技术数据 WATER-COOLED DIESEL GENERATING SETS TECHNICAL DATA

| 柴油发动机 diesel engine | | | | 发电机 generator | | | | | |
|---------------------|---------|--------------|--------------------|---------------|--------------|---------------------|--------------|--------------------|-------------------------|
| 型号 Model | 型号 Type | 功率 Power(HP) | 启动方式 Start type | 型号 Type | 功率 Power(kW) | 电压 Volt.(V) | 频率 Freq.(Hz) | 转速 Speed(r/min) | 功率因数 power factor(Cosφ) |
| 2SF | R175 | 6.5 | 手动 Manual | ST-2 | 2 | 230,115/ 400,230 | 50,60/ 50 | 1500,1800 /1500 | 1/0.8 |
| 3SF | R175 | 6.5 | | ST-3/STC-3 | 3 | | | | |
| 5SF | ZS195 | 12 | | ST-5/STC-5 | 5 | | | | |
| 8SF | SI100 | 15 | 电启动 Electric start | ST-8/STC-8 | 8 | | | | |
| 5SFD | ZS195M | 12 | | ST-5/STC-5 | 5 | | | | |
| 8SFD | SI110M | 15 | | ST-8/STC-8 | 8 | | | | |
| 10SF | 295D | 18 | | ST-10/STC-10 | 10 | | | | |
| 10SF | 295AD | 22 | | ST-10/STC-10 | 10 | | | | |
| 12SF | 295AD | 22 | | ST-12/STC-12 | 12 | | | | |
| 12SF | 2100D | 20 | ST-12/STC-12 | 12 | | | | | |
| 15SF | 395AD | 28 | ST-15/TC-15 | 15 | | | | | |
| 15SF | 395D | 22 | ST-15/STC-15 | 15 | | | | | |
| 20SF | 495AD | 38 | ST-20/STC-20 | 20 | | | | | |
| 24SF | 495D | 38 | ST-24/STC-24 | 24 | | | | | |

GF3

■ 系列单、三相静音式柴油发电机组

SERIES SINGLE-PHASE/THERE-PHASE MUTE-STYLE DIESEL GENERATING SETS

简介

结构小巧轻便, 美观的隔音罩, 装拆简易, 有效降低噪音, 操作容易。使用名牌电机, 高标准的发电机(根据所需, 设计款式), 全密封自动调压器, 性能优越, 运转可靠。低噪音的柴油发电机组技术参数为额定电压400V, 额定速度1500转/分, 额定频率50Hz, 额定功率因数(滞后)。

INTRODUCTION

With a compact structure of small size and light weight soundproof shield which has an elegant appearance is easy to be assembled or disassembled and reduces noise level effectively. The sets are operated conveniently. It use famous brand engine, advanced generator made designs of one's own and completely sealed automatic voltage regulator(AVR). The performance in which is excellent, the running is reliable. Technical parameter of low noise diesel generating sets rated voltage 400V, rated speed 1500r/min, rated frequency 50Hz, rated power factor 0.8(lagging).



3-40KW低噪音柴油机组 LOW-NOISE DIESEL GENERATING SETS

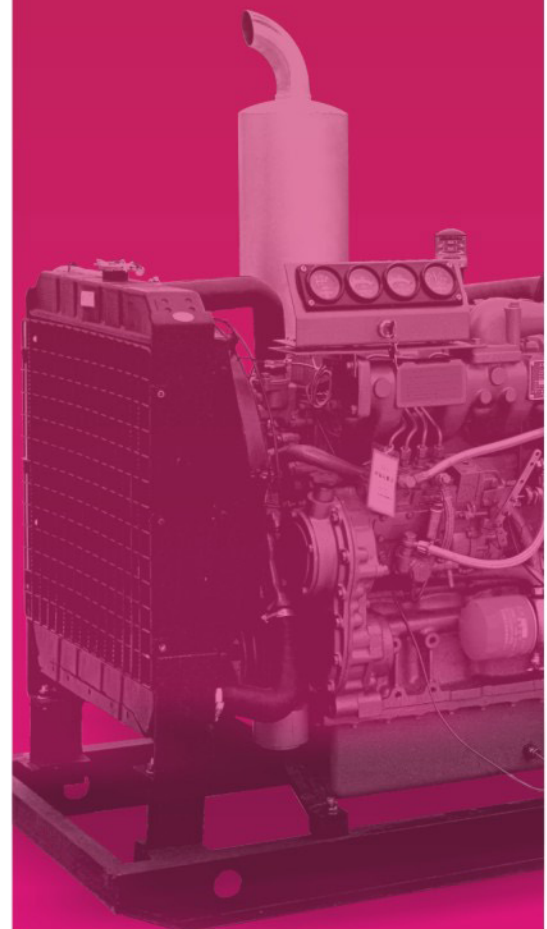
| 型号TYPE | | GF3-3 | GF3-5 | GF3-8 | GF3-10 | GF3-12 | GF3-15 | GF3-20 | GF3-24 | GF3-30 |
|-------------------------------|-------------------------------|---|--------|--------|--------|--------|---------|---------|----------|--------|
| 发动机 ENGINE | 额定功率RATED OUTPUT(kW) | 3 | 5 | 8 | 10 | 12 | 15 | 20 | 24 | 30 |
| | 类型TYPE | 178F | 186F | 295AD | 295AD | 2100D | 495D | 495D | 400D | 4100ZD |
| | 12小时功率 12H POWER (kW) | 3.7 | 5.7 | 15 | 15 | 19 | 28.5 | 28.5 | 28.5 | 28.5 |
| | 耗油率 FUEL CONSUMPTION (g/kw.h) | 220 | 225 | 245 | 245 | 245 | 245 | 235 | 233 | 233 |
| 启动方式 STARTING TYPE | | 电启动 ELECTRIC STARTING (DC 12/24V) | | | | | | | | |
| 交流发电机 ALTERNATOR | 类型TYPE | ST2-3 | ST2-5 | ST-8 | ST-10 | ST-12 | ST-15 | ST-20 | ST-24 | |
| | 额定功率 RATED POWER (kW) | 3 | 5 | 8 | 10 | 12 | 15 | 20 | 24 | 30 |
| | 励磁方式 EXCITATION MODE | 三次谐波励磁 TRIPLE HARMONIC EXCITING | | | | | | | | |
| | 绝缘等级 INSULATION CLASS | B | | | | | | | | |
| 结构类型 CONSTRUCTION TYPE | | IMB35或MB35法兰 IMB35 OR IMB35 With FLANGE | | | | | | | | |
| 发动机 ENGINE | 型号TYPE | GF3-40 | GF3-50 | GF3-64 | GF3-75 | GF3-90 | GF3-120 | GF3-150 | GF3-200 | |
| | 额定功率RATED OUTPUT(kW) | 40 | 50 | 64 | 75 | 90 | 120 | 150 | 200 | |
| | 类型TYPE | 4105ZD | 4135D | 4135AD | 6135D | 6135AD | 6135AZD | 12V135D | 12V135AD | |
| | 12小时功率 12H POWER (kW) | 60 | 73.5 | 73.5 | 88.2 | 110 | 162 | 176 | 220 | |
| 耗油率 FUEL CONSUMPTION (g/kw.h) | 233 | 100 | 100 | 120 | 150 | 220 | 240 | 300 | | |
| 启动方式 STARTING TYPE | | 电启动 ELECTRIC STARTING (DC 12/24V) | | | | | | | | |
| 交流发电机 ALTERNATOR | 类型TYPE | STC-40 | STC-50 | TZH-64 | TZH-75 | TZH-90 | TZH-120 | TZH-150 | TZH-200 | |
| | 额定功率 RATED POWER (kW) | 40 | 50 | 64 | 75 | 90 | 120 | 150 | 200 | |
| | 励磁方式 EXCITATION MODE | 三次谐波励磁 TRIPLE HARMONIC EXCITING | | | | | | | | |
| | 绝缘等级 INSULATION CLASS | B | | | | | | | | |
| 结构类型 CONSTRUCTION TYPE | | IMB35或MB35法兰 IMB35 OR IMB35 With FLANGE | | | | | | | | |

备注: 1. 请向我们索取低噪音柴油发电机组 (60Hz & >40kW) 系列产品的资料
2. 客户可选择柴油发动机
3. 电压可根据客户的要求更改
4. 如有任何其他要求, 请与我们联系

Note: 1. Please come down on information of low-noise diesel generating sets (60Hz & >40kW) series otherwise.
2. The diesel engine can be chosen by buyer.
3. The voltage can be changed according to buyer's requirements.
4. If there are any other special requirements, please contact us.

GF2

系列三相柴油发电机组 SERIES THREE-PHASE DIESEL GENERATING SETS



简介

1. 柴油发电机组：所有柴油发电机组包括柴油电机、发电机和控制箱。
2. 机组启动方式：
 - A、手动开关
 - B、完全自动启动：当电力供应停止时，在这期间3-28秒（时间可调节）机组会自动启动三次，每次需6-8秒。当电力恢复时，机组需要12秒时间接受负载，机组会保持工作23-230秒，然后自动停机。
3. 控制系统：仪器：电压表、频率表、安培表、电池表、水温表、油表、控制板、起动手柄、键形开关，感应型自我保护开关和指示灯。

INTRODUCTION

1. Diesel generating sets
All diesel generating sets include diesel engine, alternator and control box.
2. Starting method of gen-sets
A. manual switch
B. automatic starting wholly: when electric supply has been stopped, the gen-sets can start three times automatically in 3-28 seconds (time can be adjustable) between electric supply and everytime need 6-8 seconds. It will spend 12 seconds to accept load when electric supply is resumed, gen-set will maintain 23-230 seconds, then closes down automatically.
3. Control system
Apparatus: voltmeter, frequency meter, amperage meter, voltmeter of battery, meter of water temp., oil meter. control section: starting handler, key type switch, inductive type self-protection switch, and indicator.



50KW



75KW

HONGQI ELECTRICAL GENERATOR-SET



其他主要性能

1. 电压静态调节±1%；波动率1.5%；瞬态-15~20%；静态时间5秒；频率静态调节5%；波动率1.5%；瞬态调节±10%；静态时间5秒。
 2. 机组的噪音不应超过85db (a)；燃料消耗不应超过2.5Kg/Kw.h.
- 注：所有柴油机均由中国制造。

附加设备

- 1、自动启动控制板、继电器、指示灯测试按钮、警报设置按钮、超速感应开关、电池电压报警器、启动故障报警器。
- 2、自动切换控制板。
当电力供应停止时，发电机组会自动启动。当电力供应恢复时，发电机组会自动停止工作。
- 3、自动发电机组具有智能化性能。
- 4、调压器、电池充电器、警鸣器、感应保护开关。
- 5、带拖车可移动的电器。
- 6、隔音式的柴油发电机组。

OTHER MAIN PERFORMANCE

1. Voltage steady-state regulation ± 1% fluctuation 1.5%
Transient-state regulation -15~20% steady time 5s
Frequency Steady-state regulation 5% fluctuation ratio 1.5%
Transient-state regulation ± 10% steady time 5s
 2. The noise of gen-sets should no more than 85db(a).
The fuel consumption is no more than 2.5kg/kw.h.
- Remarks: all the diesel engine have been made in china.

ADDITIONAL EQUIPMENTS

1. Automatic starting control panel. This panel includes manual control panel, time relay, indicator testing button, alarm resetting button, over speed inductive switch, alarm buzzer of low-voltage of battery, starting malfunction alarm.
2. Automatic changing-over panel.
When the electric supply has been stopped, the gen-sets will start automatically. When the electric supply has been resumed, the gen-sets will halt automatically.
3. Automatic diesel generating sets with intelligence performance.
4. Booster, battery charger, alarm buzzer, attached inductive protection switcher.
5. Trailer-behind movable power station.
6. Soundproof diesel generating sets.

10KW-320KW水冷柴油发电机 WATER-COOLED DIESEL GENERATING SETS

| 机组型号 GENSETS MODEL | 额定功率 RATED OUTPUT(KW) | 额定电流 RATED CURRENT (A) | 燃油消耗率 FUEL CONSUMPTION (g/kw.h) | 启动方式 STARTING METHOD | 发动机型号 ENGINE MODEL | 外形尺寸 DIMENSIONS (mm) | 净重 N.W. (Kg) |
|--------------------------|-----------------------------|------------------------------|--|-------------------------------------|--------------------------|----------------------------|--------------------|
| GF2-10kW | 10 | 18.1 | <257 | 12V D.C 电启动 ELECTRIC START | 295AD | 1380×640×1000 | 600 |
| GF2-12kW | 12 | 21.6 | | | 295AD | 1380×640×1000 | 600 |
| GF2-15kW | 15 | 27 | | | 395AD | 1640×650×980 | 650 |
| GF2-20kW | 20 | 36 | | | 495AD | 1780×750×1000 | 750 |
| GF2-24kW | 24 | 43.3 | | | 495AD | 1780×750×1000 | 780 |
| GF2-30kW | 30 | 54.1 | <238 | 24V D.C 电启动 ELECTRIC START | 495AZD | 1820×750×1000 | 920 |
| GF2-40kW | 40 | 72.1 | | | 4135D | 2200×710×1900 | 1610 |
| GF2-50kW | 50 | 90.2 | | | 4135D | 2280×820×1350 | 1750 |
| GF2-64kW | 64 | 115.4 | | | *4135D | 2400×850×1400 | 1800 |
| GF2-75kW | 75 | 135.3 | | | *6135 | 2400×850×1400 | 2330 |
| GF2-90kW | 90 | 162.3 | | | *6135D | 3000×900×1370 | 2500 |
| GF2-100kW | 100 | 180.3 | | | *6135AD | 3000×900×1370 | 2650 |
| GF2-120kW | 120 | 216.5 | | | *6135AZD | 3000×900×1370 | 2800 |
| GF2-150kW | 150 | 270.6 | | | *12V135D | 3300×960×1650 | 3500 |
| GF2-200kW | 200 | 360.8 | | | 812V135AD | 3210×1320×1920 | 3750 |
| GF2-250kW | 250 | 451 | *12V135D | 3210×1320×1920 | 3850 | | |
| GF2-300kW | 300 | 541.2 | 250 | W12V135AZD-1 | 3300×1770×1905 | 4300 | |
| GF2-320kW | 320 | 577.3 | 228 | W12V135AZL | 3300×1770×1905 | 4350 | |

电压:400/230V
转速:1500/1800转/分
冷却方式:封闭循环冷却
频率:50Hz/60Hz
功率因素:0.8(滞后)
三次谐波STC系列或无刷自励或TFW发电机系列

VOLTAGE:400/230V
ROTATION SPEED:1500/1800 r.p.m/min
COOLING METHOD: CLOSED CIRCULATION COOLING
FREQUENCY: 50Hz/60Hz
POWER FACTOR: 0.8 (LAG)
TRIPLE HARMONIC STC SERIES OR BRUSHLESS EXCITING
OR TFW SERIES OF ALTERNATOR

QB

系列旋涡泵 SERIES SELF-PRIMING PERIPHERAL PUMPS

简介

QB系列电泵用于输送清水，其典型用途是家庭或农户或小企业从井中或水池中提水，同时也适用于自来水增压、园艺用水或其它部件一起组成自动供水系统。

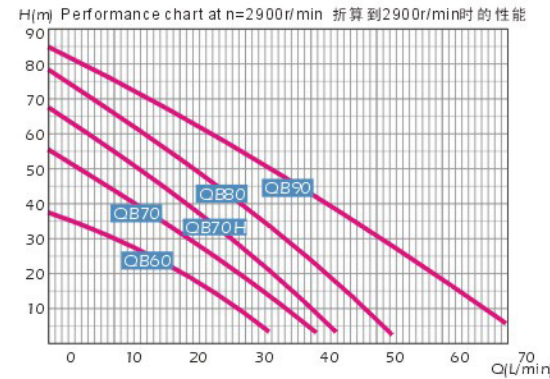
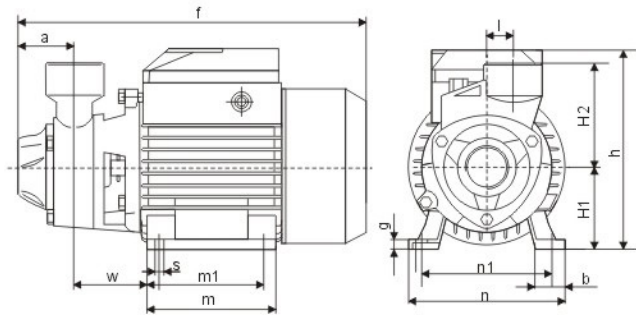
INTRODUCTION

QB series are suitable for pumping clean water, they are particularly suitable for domestic applications such as supply water from well, pool etc, the automatic distribution of water by surge tanks are pressure switch, gardening, and increasing of water pressure.



技术参数 TECHNICAL DATA

| TYPE 型号 | Input Power 输入功率 | | Current 电流 (A) | Capacitor 电容器 (μF) | H.max 最大扬程 (m) | Q.max 最大流量 (l/min) | Size 进出口径 (inch) | S.Head 最大吸程 (m) | Total head 总扬程(m) | Capacity 流量/l/min | | | | | | | |
|------------|---------------------|------|----------------------|--------------------------|----------------------|--------------------------|------------------------|-----------------------|----------------------|-------------------|----|----|----|----|----|----|--|
| | KW | HP | | | | | | | | 5 | 10 | 20 | 30 | 40 | 50 | 60 | |
| QB60 | 0.37 | 0.5 | 1.5 | 8 | 36 | 35 | 1" X1" | 9 | 32 | 26 | 16 | 6 | | | | | |
| QB70 | 0.55 | 0.75 | 2.4 | 12 | 55 | 40 | 1" X1" | 9 | 48 | 40 | 28 | 14 | 1 | | | | |
| QB70H | 0.75 | 1 | 3.7 | 16 | 68 | 42 | 1" X1" | 9 | 60 | 52 | 36 | 22 | 6 | 4 | | | |
| QB80 | 1.1 | 1.5 | 4.6 | 20 | 78 | 53 | 1" X1" | 9 | 71 | 64 | 49 | 34 | 19 | 28 | 10 | | |
| QB90 | 1.5 | 2 | 6.4 | 30 | 84 | 70 | 1.5" X1.5" | 9 | 80 | 73 | 62 | 51 | 40 | | | | |



安装尺寸 DIMENSIONS

| TYPE 型号 | Dimensions 外形尺寸mm | | | | | | | | | | | | | Weight重量 (kg) | | Packing Size 包装尺寸 (mm) | | | Packing QTY. 包装数量 | |
|------------|-------------------|-----|-----|-----|----|----|-----|-----|-----|-----|-----|----|----|---------------|------|------------------------|-----|-----|----------------------|------|
| | a | f | h | H1 | H2 | l | m | m1 | n | n1 | w | b | g | s | NW | GW | L | W | | H |
| QB60 | 42 | 265 | 154 | 63 | 80 | 20 | 98 | 80 | 120 | 100 | 63 | 22 | 8 | 7 | 5.7 | 6.1 | 285 | 145 | 175 | 3400 |
| QB70 | 55 | 291 | 179 | 71 | 85 | 20 | 110 | 90 | 134 | 112 | 68 | 23 | 8 | 7 | 8.8 | 9.3 | 310 | 180 | 205 | 2200 |
| QB70H | 55 | 291 | 179 | 71 | 85 | 20 | 110 | 90 | 134 | 112 | 68 | 23 | 8 | 7 | 8.8 | 9.3 | 310 | 180 | 205 | 2200 |
| QB80 | 55 | 291 | 179 | 71 | 85 | 20 | 110 | 90 | 134 | 112 | 68 | 23 | 8 | 7 | 9 | 9.7 | 310 | 180 | 205 | 2200 |
| QB90 | 90 | 405 | 193 | 108 | 85 | 20 | 130 | 100 | 152 | 125 | 100 | 25 | 10 | 9 | 17.7 | 18.7 | 420 | 195 | 225 | 1320 |

IDB 系列旋涡泵 SERIES SELF-PRIMING PERIPHERAL PUMPS



IDB-35



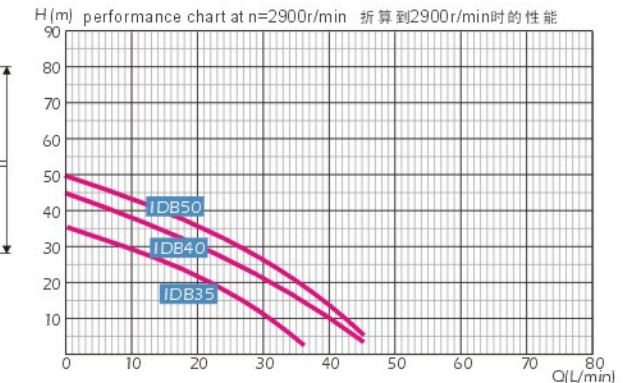
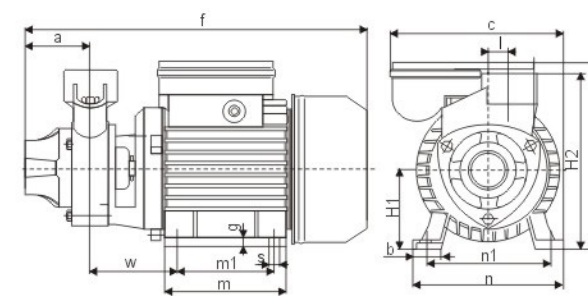
IDB(H)

IDB系列电泵用于输送清水，其典型用途是家庭或农户或小企业从井中或水池中提水，同时也适用于自来水增压、园艺用水或其它部件一起组成自动供水系统。

IDB series are suitable for pumping clean water, they are particularly suitable for domestic applications such as water supply from wells and pools, pressure boosting, garden sprinkling, washing booths.

技术参数 TECHNICAL DATA

| TYPE 型号 | Input Power 输入功率 | | Current 电流 (A) | Capacitor 电容器 (μF) | H.max 最大扬程 (m) | Q.max 最大流量 (l/min) | Size 进出口径 (inch) | S.Head 最大吸程 (m) | Total head 总扬程(m) | Capacity 流量/l/min | | | | | | | | | | |
|------------|---------------------|------|----------------------|--------------------------|----------------------|--------------------------|------------------------|-----------------------|----------------------|-------------------|----|----|----|----|----|----|----|--|--|--|
| | KW | HP | | | | | | | | 10 | 20 | 25 | 30 | 35 | 40 | 50 | 60 | | | |
| IDB35 | 0.37 | 0.5 | 1.5 | 8 | 36 | 35 | 1" X1" | 9 | 22 | 14 | 18 | 6 | | | | | | | | |
| IDB40 | 0.50 | 0.75 | 2 | 10 | 45 | 45 | 1" X1" | 9 | 31 | 21 | 16 | 11 | | | | | | | | |
| IDB50 | 0.75 | 1 | 3.7 | 16 | 50 | 45 | 1" X1" | 9 | 40 | 30 | 24 | 18 | 11 | 6 | | | | | | |



安装尺寸 DIMENSIONS

| TYPE 型号 | Dimensions 外形尺寸mm | | | | | | | | | | | | | Weight重量 (kg) | | Packing Size 包装尺寸 (mm) | | | Packing QTY. 包装数量 | | |
|------------|-------------------|-----|-----|-----|----|-----|----|-----|----|-----|-----|----|----|---------------|----|------------------------|-----|-----|----------------------|-----|------|
| | a | f | h | c | H1 | H2 | i | m | m1 | n | n1 | w | b | g | s | NW | GW | L | | W | H |
| IDB35 | 53 | 281 | 151 | 141 | 63 | 143 | 16 | 100 | 80 | 120 | 100 | 72 | 23 | 7.5 | 9 | 6.0 | 6.7 | 295 | 155 | 175 | 3000 |
| IDB40 | 51 | 275 | 151 | 141 | 63 | 143 | 16 | 100 | 80 | 120 | 100 | 72 | 23 | 7.5 | 9 | 6.0 | 6.7 | 290 | 170 | 180 | 3000 |
| IDB50 | 53 | 305 | 170 | 155 | 71 | 157 | 20 | 110 | 90 | 135 | 112 | 77 | 25 | 9 | 10 | 8.8 | 9.4 | 335 | 180 | 200 | 2000 |

CPM

■ 系列离心泵 SERIES CENTRIFUGAL PUMPS

简介

CPM系列为单级离心泵。适用于家庭、农户、企事业给排水，用于输送清水及不具腐蚀性的流体。其水力特性为高扬程小流量。

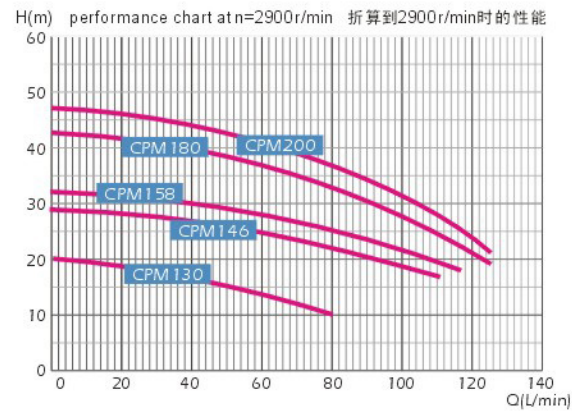
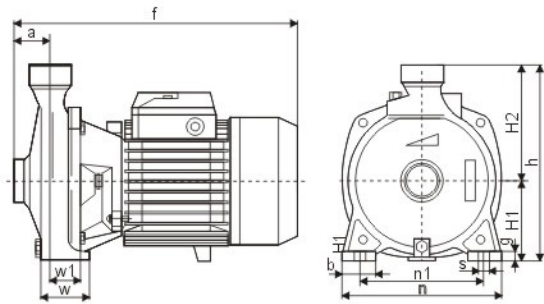
INTRODUCTION

CPM series are single stage centrifugal pumps, suitable for both domestic and industrial applications to convey clean liquids and non-aggressive chemical fluids. The hydraulic characteristic is with higher head and smaller capacity.



技术参数 TECHNICAL DATA

| TYPE 型号 | Input Power 输入功率 | | Current 电流 (A) | Capacitor 电容器 (μF) | H.max 最大扬程 (m) | Q.max 最大流量 (l/min) | Size 进出口径 (inch) | S.Head 最大吸程 (m) | Total head 总扬程(m) | Capacity 流量l/min | | | | | | | | | | |
|------------|---------------------|------|----------------------|--------------------------|----------------------|--------------------------|------------------------|-----------------------|----------------------|------------------|----|----|----|----|----|-----|-----|--|--|--|
| | KW | HP | | | | | | | | 20 | 40 | 50 | 60 | 70 | 80 | 100 | 120 | | | |
| CPM130 | 0.37 | 0.5 | 2.5 | 12 | 20 | 80 | 1"X1" | 8 | 19 | 16 | 15 | 13 | | | | | | | | |
| CPM146 | 0.55 | 0.75 | 3.8 | 16 | 28 | 110 | 1"X1" | 8 | 28 | 27 | 26 | 26 | 25 | 22 | 18 | | | | | |
| CPM158 | 0.75 | 1 | 4.8 | 20 | 32 | 118 | 1"X1" | 8 | 34 | 34 | 32 | 32 | 30 | 25 | 22 | | | | | |
| CPM180 | 1.1 | 1.5 | 6.6 | 30 | 42 | 128 | 1"X1" | 8 | 42 | 38 | 35 | 34 | 33 | 30 | 25 | 16 | | | | |
| CPM200 | 1.5 | 2 | 8.8 | 40 | 46 | 128 | 1"X1" | 8 | 49 | 46.5 | 43 | 42 | 39 | 36 | 30 | 20 | | | | |



安装尺寸 DIMENSIONS

| TYPE 型号 | Dimensions 外形尺寸mm | | | | | | | | | | | Weight 重量 (kg) | | Packing Size 包装尺寸 (mm) | | | Packing QTY. 包装数量 | |
|------------|-------------------|-----|-----|-----|-----|-----|-----|----|------|----|----|----------------|-----|------------------------|-----|-----|----------------------|------|
| | a | f | h | h1 | h2 | n | n1 | w | w1 | b | g | s | NW | GW | L | W | | H |
| CPM130 | 43 | 274 | 215 | 88 | 127 | 165 | 135 | 52 | 41 | 32 | 9 | 10 | 8.6 | 9.3 | 310 | 170 | 230 | 2100 |
| CPM146 | 44 | 298 | 242 | 97 | 145 | 190 | 160 | 58 | 43 | 33 | 10 | 10 | 12 | 12.8 | 340 | 205 | 260 | 1500 |
| CPM158 | 44 | 298 | 242 | 97 | 145 | 190 | 160 | 58 | 43 | 33 | 10 | 10 | 13 | 14 | 340 | 205 | 260 | 1400 |
| CPM180 | 51 | 341 | 280 | 110 | 150 | 206 | 165 | 66 | 45 | 40 | 12 | 11 | 20 | 21 | 390 | 250 | 330 | 750 |
| CPM200 | 52 | 338 | 290 | 115 | 175 | 242 | 206 | 55 | 32.5 | 36 | 10 | 11 | 21 | 22 | 390 | 250 | 330 | 750 |

JET 系列射流泵 SERIES SELF-PRIMING JET PUMPS

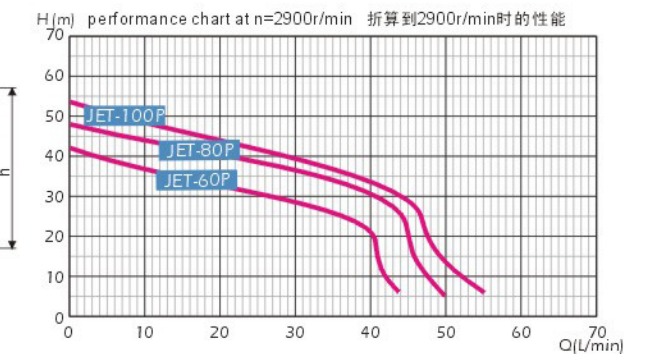
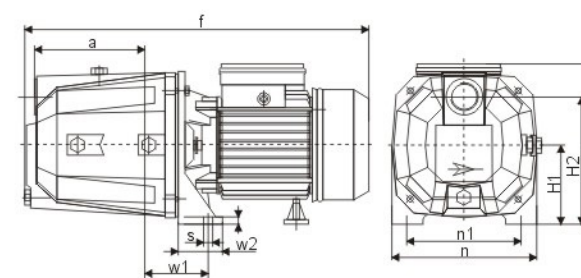


JET-P系列电泵用于输送清水，其典型用途是家庭或农户或小企业从井中或水池中提水，同时也适用于自来水增压、园艺用水或与其它部件一起组成自动供水系统。

JET-P series are suitable for pumping clean water. They are particularly suitable for domestic applications such as supply water from well, pool etc, the automatic distribution of water by surge tanks and pressure switch, gardening, and increasing of water pressure.

技术参数 TECHNICAL DATA

| TYPE 型号 | Input Power 输入功率 | | Current 电流 (A) | Capacitor 电容器 (μF) | H.max 最大扬程 (m) | Q.max 最大流量 (l/min) | Size 进出口径 (inch) | S.Head 最大吸程 (m) | Total head 总扬程(m) | Capacity 流量l/min | | | | | | | | | |
|------------|---------------------|------|----------------------|--------------------------|----------------------|--------------------------|------------------------|-----------------------|----------------------|------------------|------|------|------|----|----|----|--|--|--|
| | KW | HP | | | | | | | | 5 | 10 | 20 | 30 | 40 | 50 | | | | |
| JET-60P | 0.48 | 0.60 | 2.4 | 12 | 38 | 42 | 1"X1" | 8 | 37 | 33.5 | 28 | 22 | 18 | | | | | | |
| JET-80P | 0.60 | 0.80 | 3.7 | 16 | 45 | 48 | 1"X1" | 8 | 44 | 40 | 34.5 | 30.5 | 25.8 | | | | | | |
| JET-100P | 0.75 | 1 | 4.6 | 20 | 49 | 54 | 1"X1" | 8 | 48 | 44.5 | 39.5 | 36 | 32 | 13 | 60 | 80 | | | |



安装尺寸 DIMENSIONS

| TYPE 型号 | Dimensions 外形尺寸mm | | | | | | | | | | | Weight 重量 (kg) | | Packing Size 包装尺寸 (mm) | | | Packing QTY. 包装数量 |
|------------|-------------------|-----|-----|----|-----|----|----|-----|-----|---|----|----------------|------|------------------------|-----|-----|----------------------|
| | a | f | h | H1 | H2 | W1 | W2 | n | n1 | g | s | NW | GW | L | W | H | |
| JET-60P | 138 | 428 | 200 | 98 | 158 | 79 | 55 | 182 | 142 | 9 | 11 | 14.5 | 15.5 | 480 | 210 | 220 | 1340 |
| JET-80P | 138 | 428 | 200 | 98 | 158 | 79 | 55 | 182 | 142 | 9 | 11 | 14.9 | 15.9 | 480 | 210 | 220 | 1340 |
| JET-100P | 138 | 428 | 200 | 98 | 158 | 79 | 55 | 182 | 142 | 9 | 11 | 16.1 | 17.1 | 480 | 210 | 220 | 1340 |