

CH、CV 系列齿轮减速机

CH、CV SERIES GEAR REDUCER



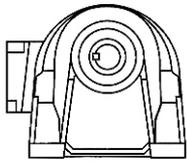
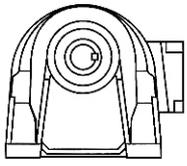
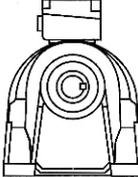
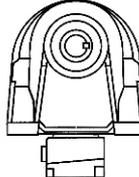
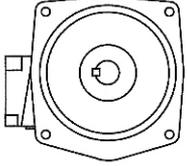
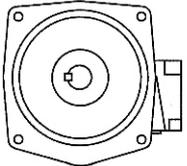
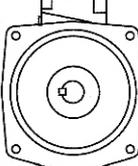
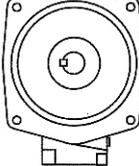


订购方式
Designation



- | | |
|--|--|
| <p>1 机型代号 TYPES : CH, CV, CHM, CVM, CHD, CVD</p> <p>2 马力 CAPACITY : 100W - 3700W</p> <p>3 减速比 RATIO : 3, 5, 10 ... 1800</p> <p>4 S: 附三相马达 220,380V/50,60HZ-3 PHASE K: 附三相马达 220,440V/50,60HZ-3 PHASE A: 附单相电容马达 110,220V/50,60HZ-1 PHASE AV: 附单相离心马达 110,220V/50,60HZ-1 PHASE L: DC直流马达 DC-MOTOR P: 东元铁壳三相马达 TECD 3-PHASE STEEL PLATE MOTOR Z: 缩框机型 LIGHT DUTY TYPE □: 铝合金马达 ALUMINUM MOTOR T: 铁壳马达 STEEL PLATE MOTOR F: 法兰修平面 FLANGE WITH FLAT SURFACE Q1: 110V强制风扇 EXTERNAL FAN 110V Q2: 220V强制风扇 EXTERNAL FAN 220V</p> | <p>5 B: DC90V安全刹车器 BRAKE UNIT YB:手释放刹车器 WITH RELEASE BRAKE UNIT D: DC24V送电刹车器 DC24V BRAKE W: 蜗轮减速机 WORM GEAR REDUCER</p> <p>6 依出力轴看配线盒方向 VIEW FROM OUTPUT SHAFT G1: 左方向 LEFT(标准型)(STD) G2: 右方向 RIGHT G3: 上方向 UPPER G4: 下方向 LOWER</p> <p>7 入线口方向 WIRE INLET T: 向上 TOP D: 向下 DOWN F: 向前 FORWARD B: 向后 BACK L: 向左 LEFT R: 向右 RIGHT</p> |
|--|--|

配线盒方向选定 (TERMINAL BOX DIRECTION)

| TYPE | G1-左方向 LEFT SIDE | G2-右方向 RIGHT SIDE | G3-上方向 UPPER SIDE | G4-下方向 LOWER SIDE |
|----------------------------------|---|---|--|---|
| CH型 CH TYPE |  G1 |  G2 |  G31 |  G4 |
| CV型 CV TYPE |  G1 |  G2 |  G31 |  G4 |
| 入线口方向 WIRE INLET DIRECTION |  LD  LT |  RD  RT |  TL  TR |  DL  DR |
| |  LF  LB |  RF  RB |  TF  TB |  DF  DB |



输出扭矩表 Output torque

标准型(Normal duty type)

km·g

| 减速比 RATIO | 输出转数 OUTPUT R.P.M. | | 输出扭矩 OUTPUT TORQUE | | | | | | | | | | | | | |
|--------------|--------------------------|-----|-----------------------|------|-------|------|-------|------|--------|------|-------|------|-------|------|-------|-------|
| | | | 0.1KW | | 0.2KW | | 0.4KW | | 0.75KW | | 1.5KW | | 2.2KW | | 3.7KW | |
| | HZ | | | | | | | | | | | | | | | |
| | 50 | 60 | 50 | 60 | 50 | 60 | 50 | 60 | 50 | 60 | 50 | 60 | 50 | 60 | 50 | 60 |
| 3 | 500 | 600 | 0.19 | 0.16 | 0.37 | 0.31 | 0.7 | 0.6 | 1.3 | 1.1 | 2.6 | 2.2 | 3.8 | 3.2 | 6.0 | 5.5 |
| 5 | 300 | 360 | 0.31 | 0.26 | 0.62 | 0.52 | 1.2 | 1.0 | 2.2 | 1.9 | 4.5 | 3.8 | 6.72 | 5.6 | 11.0 | 10.0 |
| 10 | 150 | 180 | 0.62 | 0.52 | 1.24 | 1.04 | 2.4 | 2.0 | 4.5 | 3.8 | 9.1 | 7.6 | 13.7 | 11.2 | 22.0 | 20.0 |
| 15 | 100 | 120 | 0.91 | 0.76 | 1.8 | 1.5 | 3.6 | 3.0 | 6.8 | 5.7 | 13.5 | 11.3 | 20.1 | 16.8 | 32.6 | 29.8 |
| 20 | 75 | 90 | 1.2 | 1.0 | 2.4 | 2.0 | 4.8 | 4.0 | 9.0 | 7.5 | 18.1 | 15.1 | 26.8 | 22.4 | 43.6 | 36.0 |
| 25 | 60 | 72 | 1.4 | 1.2 | 3.0 | 2.5 | 6.0 | 5.0 | 11.2 | 9.4 | 22.6 | 18.9 | 33.6 | 28.0 | 53.9 | 49.53 |
| 30 | 50 | 60 | 1.8 | 1.5 | 3.6 | 3.0 | 7.2 | 6.0 | 13.5 | 11.3 | 27.1 | 22.6 | 40.3 | 33.6 | 64.7 | 58.8 |
| 40 | 37 | 45 | 2.2 | 1.9 | 4.6 | 3.9 | 9.3 | 7.8 | 17.5 | 14.6 | 34.9 | 29.1 | 52.0 | 43.4 | 86.3 | 78.4 |
| 45 | 33 | 40 | 2.7 | 2.2 | 5.4 | 4.4 | 10.9 | 9.10 | 20.6 | 17 | 41.1 | 34 | 59.8 | 49.6 | 98.5 | 81.7 |
| 50 | 30 | 36 | 2.8 | 2.4 | 5.7 | 4.8 | 11.6 | 9.7 | 21.9 | 18.3 | 43.6 | 36.4 | 65.1 | 54.3 | 107 | 97.0 |
| 60 | 25 | 30 | 3.4 | 2.9 | 6.9 | 5.8 | 13.9 | 11.6 | 26.2 | 21.9 | 52.4 | 43.7 | 78.1 | 65.1 | 127 | 115 |
| 70 | 21 | 25 | 4.3 | 3.6 | 8.0 | 6.8 | 16.2 | 13.5 | 31.5 | 26.3 | 62.4 | 52.0 | 92.5 | 77.1 | | |
| 80 | 19 | 23 | 4.8 | 4.0 | 9.2 | 7.7 | 18.4 | 15.4 | 35.5 | 29.6 | 70.8 | 59.0 | 105 | 87.5 | | |
| 90 | 17 | 20 | 5.2 | 4.4 | 10.3 | 8.6 | 20.7 | 17.3 | 39.3 | 32.8 | 77.1 | 64.3 | 113 | 94.3 | | |
| 100 | 15 | 18 | 5.8 | 4.9 | 11.5 | 9.6 | 23.0 | 19.2 | 43.2 | 36.0 | 83.7 | 69.8 | 126 | 105 | | |
| 120 | 12 | 15 | 6.9 | 5.8 | 13.8 | 11.5 | 27.7 | 23.1 | 51.8 | 43.2 | 101 | 83.7 | | | | |
| 140 | 11 | 13 | 8.0 | 6.7 | 16.0 | 13.4 | 32.0 | 26.7 | 59.7 | 49.8 | 116 | 96.8 | | | | |
| 160 | 9 | 11 | 9.1 | 7.6 | 18.3 | 15.3 | 36.3 | 30.3 | 68.0 | 56.7 | 132 | 110 | | | | |
| 180 | 8 | 10 | 10.3 | 8.6 | 20.7 | 17.3 | 40.8 | 34.0 | 76.8 | 64.0 | 148 | 123 | | | | |
| 200 | 7 | 9 | 11.6 | 9.7 | 22.9 | 19.1 | 43.2 | 36.0 | 82.8 | 69.0 | | | | | | |

1km·g=9.8N.m



马达规范 Motor specification

标准马达规范表 Standard motor specification

| | | | | | | | | |
|-----------------------|---|--|--|--|---|--------------------------|--|--|
| 项目 Item | 三相交流马达 3-Phase motor | | | | 单相交流马达 1-Phase motor | | | |
| 保护等级 Protection | 全密闭外扇型 IP-54 Totally enclosed fan cooled type | | | | 半密闭外扇型 Semi-enclosed fan cooled type | | | |
| 外壳材质 Housing material | 0.1~3.7 KW | 铝合金 Alum alloy | | | 0.1~1.5 KW | 铁壳 Steel plate | | |
| | 0.1~3.7 KW | 铁壳 Steel plate | | | 0.1~1.5 KW (Optional) | 铝合金 Alum alloy | | |
| 启动方式 Starting | 全压启动 Direct start | | | | 0.1~0.2 KW | 运转电容启动 Capacitor | | |
| | | | | | 0.4~1.5 KW | 起动电容启动+离心开关 | | |
| 定格 Time rating | 连续运转 Continuous running | | | | 连续运转 Continuous running | | | |
| 绝缘等级 Insulation | F~ 绝缘 F~Class | | | | F~ 绝缘 F~Class | | | |
| 适用环境 Environment | 温度: -10℃ To + 40℃ (Temperature between -10℃ To + 40℃) 湿度: 90%以下(Humidity less than 90%) | | | | | | | |
| 适用电压 Voltage | 50HZ | 220V.230V.240V.380V 400V.415V.440 | | | 50HZ | 110V.115V.200V.220V.230V | | |
| | 60HZ | 220V.240V.380V.415V 440V.460V.480V.600V | | | 60HZ | 110V.220V.240V | | |
| 适用极数 Pole | 2P.4P.6P.8P | | | | 4P | | | |
| 输出转速(4P) Full speed | 50HZ | 1340~1400 RPM | | | 50HZ | 1360~1430 RPM | | |
| | 60HZ | 1610~1740 RPM | | | 60HZ | 1640~1720 RPM | | |
| 依据标准 Standard | 国际/国家标准 IEC-34, CNS-10919 According to IEC-34.CNS-10919 | | | | | | | |
| 海拔 Sea level | 1000公尺 UNDER 1000 M | | | | | | | |
| 接线盒 Terminal box | 采用IP55级防水型铝合金接线盒 With IP-55 Class water-proof aluminum terminal bos | | | | | | | |

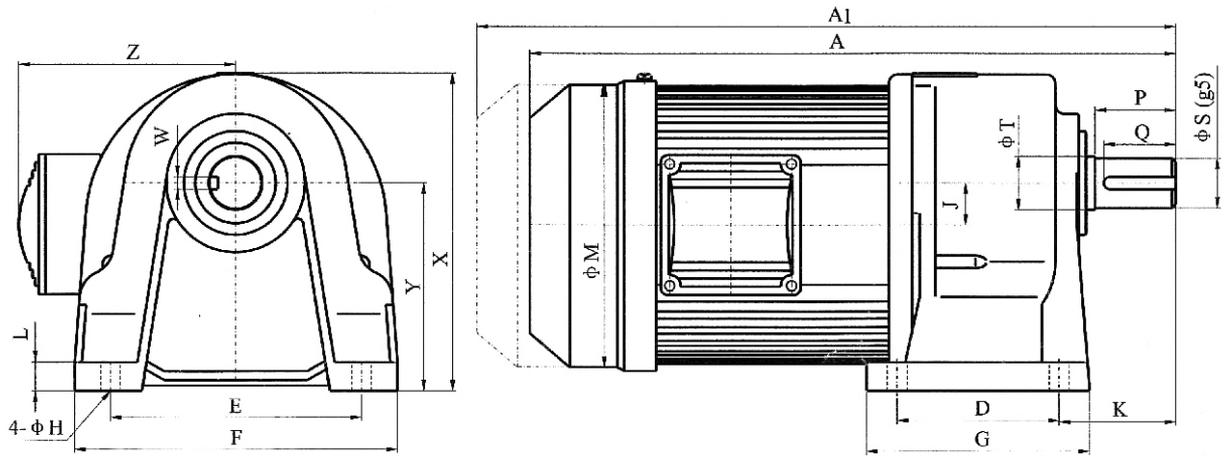
三相电压全负载电流值 3-Phase/4-poles full load ampere

| 输出马力 Capacity | 50 HZ-4P | | | | | 60HZ | | | | |
|---------------|----------|------|------|------|------|------|------|------|------|------|
| | 220V | 380V | 415V | 440V | RPM | 220V | 380V | 440V | 460V | RPM |
| 100W | 0.60 | 0.40 | 0.32 | 0.30 | 1410 | 0.6 | 0.40 | 0.30 | 0.29 | 1720 |
| 200W | 1.15 | 0.67 | 0.70 | 0.58 | 1410 | 1.1 | 0.63 | 0.55 | 0.52 | 1720 |
| 400W | 2.14 | 1.24 | 1.13 | 1.07 | 1420 | 1.9 | 1.10 | 0.95 | 0.91 | 1730 |
| 750W | 3.67 | 2.13 | 1.94 | 1.84 | 1420 | 3.4 | 1.96 | 1.70 | 1.63 | 1730 |
| 1500W | 6.59 | 3.82 | 3.49 | 3.30 | 1430 | 6.1 | 3.53 | 3.05 | 2.92 | 1740 |
| 2200W | 8.94 | 5.18 | 4.74 | 4.47 | 1430 | 8.7 | 5.04 | 4.35 | 4.16 | 1725 |
| 3700W | 13.85 | 8.03 | 7.34 | 6.93 | 1440 | 13.5 | 7.82 | 6.75 | 6.46 | 1745 |



■ CH、CV系列减速机

▲ CH系列命名, 外形及安装尺寸表

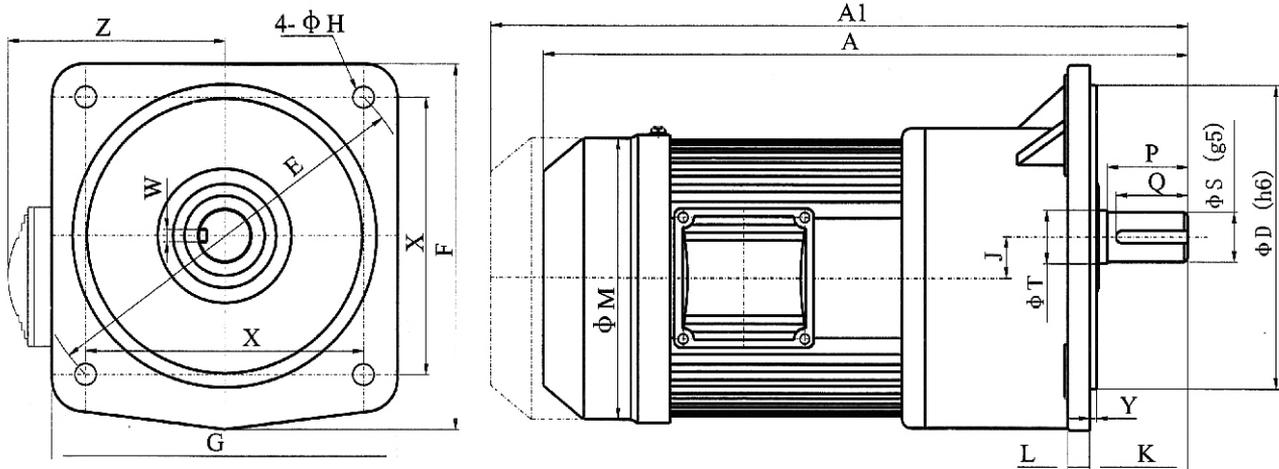


| 功率 | 减速比 | 机型 | A1 | A | D | E | F | G | H | L | J | K | M | X | Y | Z | 输出轴 | | | | |
|-------|---------|----|-----|-----|-----|-----|-----|-----|----|----|-------|-----|-----|-----|-------|-----|-----|----|----|----|----|
| | | | | | | | | | | | | | | | | | P | Q | S | T | W |
| 100W | 3-50 | 18 | 326 | 286 | 40 | 110 | 135 | 65 | 10 | 11 | 15.98 | 52 | 127 | 128 | 85 | 106 | 30 | 27 | 18 | 20 | 5 |
| | 60-200 | 22 | 354 | 314 | 65 | 130 | 158 | 93 | 11 | 12 | 17.66 | 60 | 127 | 153 | 97.5 | 106 | 40 | 35 | 22 | 25 | 7 |
| 200W | 3-25 | 18 | 326 | 286 | 40 | 110 | 135 | 65 | 10 | 11 | 15.98 | 52 | 127 | 128 | 85 | 106 | 30 | 27 | 18 | 20 | 5 |
| | 30-100 | 22 | 354 | 314 | 65 | 130 | 158 | 93 | 11 | 12 | 17.66 | 60 | 127 | 153 | 97.5 | 106 | 40 | 35 | 22 | 25 | 7 |
| 400W | 120-200 | 28 | 378 | 338 | 90 | 140 | 180 | 124 | 11 | 16 | 23.11 | 65 | 127 | 177 | 116 | 106 | 45 | 40 | 28 | 30 | 7 |
| | 3-25 | 22 | 386 | 336 | 65 | 130 | 158 | 93 | 11 | 12 | 17.66 | 60 | 160 | 153 | 97.5 | 121 | 40 | 35 | 22 | 25 | 7 |
| | 30-90 | 28 | 410 | 360 | 90 | 140 | 180 | 124 | 11 | 16 | 23.11 | 65 | 160 | 177 | 116 | 121 | 45 | 40 | 28 | 30 | 7 |
| 750W | 100-200 | 32 | 437 | 387 | 130 | 170 | 213 | 160 | 13 | 20 | 30.22 | 76 | 160 | 204 | 138.5 | 121 | 55 | 50 | 32 | 35 | 10 |
| | 3-25 | 28 | 430 | 380 | 90 | 140 | 180 | 124 | 11 | 16 | 23.11 | 65 | 160 | 177 | 116 | 121 | 45 | 40 | 28 | 30 | 7 |
| | 30-100 | 32 | 457 | 407 | 130 | 170 | 213 | 160 | 13 | 20 | 30.22 | 76 | 160 | 204 | 138.5 | 121 | 55 | 50 | 32 | 35 | 10 |
| 1500W | 120-200 | 40 | 495 | 445 | 150 | 210 | 260 | 190 | 15 | 21 | 37.96 | 85 | 160 | 250 | 160 | 121 | 65 | 60 | 40 | 45 | 10 |
| | 3-30 | 32 | 500 | 445 | 130 | 170 | 213 | 160 | 13 | 20 | 30.22 | 76 | 193 | 204 | 138.5 | 138 | 55 | 50 | 32 | 35 | 10 |
| | 40-100 | 40 | 535 | 480 | 150 | 210 | 260 | 190 | 15 | 21 | 37.96 | 85 | 193 | 250 | 160 | 138 | 65 | 60 | 40 | 45 | 10 |
| 2200W | 120-200 | 50 | 610 | 555 | 170 | 265 | 330 | 230 | 19 | 33 | 51 | 118 | 193 | 320 | 202 | 138 | 80 | 75 | 50 | 55 | 14 |
| | 3-10 | 32 | 525 | 475 | 130 | 170 | 213 | 160 | 13 | 20 | 30.22 | 76 | 193 | 204 | 138.5 | 138 | 55 | 50 | 32 | 35 | 10 |
| | 15-60 | 40 | 565 | 510 | 150 | 210 | 260 | 190 | 15 | 21 | 37.96 | 85 | 193 | 250 | 160 | 138 | 65 | 60 | 40 | 45 | 10 |
| 3700W | 80-100 | 50 | 635 | 580 | 170 | 265 | 330 | 230 | 19 | 33 | 51 | 118 | 193 | 320 | 202 | 138 | 80 | 75 | 50 | 55 | 14 |
| | 3-20 | 40 | 580 | 525 | 150 | 210 | 260 | 190 | 15 | 21 | 37.96 | 85 | 230 | 250 | 160 | 170 | 65 | 60 | 40 | 45 | 10 |
| | 25-60 | 50 | 650 | 595 | 170 | 265 | 330 | 230 | 19 | 33 | 51 | 118 | 230 | 320 | 202 | 170 | 80 | 75 | 50 | 55 | 14 |

说明：A1为电机带刹车时的总长度



▲ CV系列命名, 外形及安装尺寸表



| 功率 | 减速比 | 机型 | A1 | A | D | E | F | G | H | L | J | K | M | X | Y | Z | 输出轴 | | | | |
|-------|---------|----|-----|-----|-----|-----|-----|-----|----|----|-------|------|-----|-------|---|-----|-----|----|----|----|----|
| | | | | | | | | | | | | | | | | | P | Q | S | T | W |
| 100W | 3-50 | 18 | 326 | 286 | 100 | 140 | 120 | 120 | 9 | 12 | 15.98 | 40 | 127 | 99 | 3 | 106 | 30 | 27 | 18 | 20 | 5 |
| | 60-200 | 22 | 354 | 314 | 148 | 185 | 173 | 163 | 11 | 12 | 17.66 | 48 | 127 | 131 | 3 | 106 | 40 | 35 | 22 | 25 | 7 |
| 200W | 3-25 | 18 | 326 | 286 | 100 | 140 | 120 | 120 | 9 | 12 | 15.98 | 40 | 127 | 99 | 3 | 106 | 30 | 27 | 18 | 20 | 5 |
| | 30-100 | 22 | 354 | 314 | 148 | 185 | 173 | 163 | 11 | 12 | 17.66 | 48 | 127 | 131 | 3 | 106 | 40 | 35 | 22 | 25 | 7 |
| 400W | 120-200 | 28 | 378 | 338 | 170 | 220 | 205 | 193 | 12 | 13 | 23.11 | 55 | 127 | 155.5 | 4 | 106 | 45 | 40 | 28 | 30 | 7 |
| | 3-25 | 22 | 386 | 336 | 148 | 185 | 173 | 163 | 11 | 12 | 17.66 | 48 | 160 | 131 | 3 | 121 | 40 | 35 | 22 | 25 | 7 |
| 750W | 30-90 | 28 | 410 | 360 | 170 | 220 | 205 | 193 | 12 | 13 | 23.11 | 55 | 160 | 155.5 | 4 | 121 | 45 | 40 | 28 | 30 | 7 |
| | 100-200 | 32 | 437 | 387 | 185 | 255 | 238 | 216 | 13 | 16 | 30.22 | 70 | 160 | 180 | 4 | 121 | 55 | 50 | 32 | 35 | 10 |
| 1500W | 3-25 | 28 | 430 | 380 | 170 | 220 | 205 | 193 | 12 | 13 | 23.11 | 55 | 160 | 155.5 | 4 | 121 | 45 | 40 | 28 | 30 | 7 |
| | 30-100 | 32 | 457 | 407 | 185 | 255 | 238 | 216 | 13 | 16 | 30.22 | 70 | 160 | 180 | 4 | 121 | 55 | 50 | 32 | 35 | 10 |
| 2200W | 120-200 | 40 | 495 | 445 | 230 | 310 | 295 | 270 | 15 | 21 | 37.96 | 81 | 160 | 219 | 5 | 121 | 65 | 60 | 40 | 45 | 10 |
| | 3-30 | 32 | 500 | 445 | 185 | 255 | 238 | 216 | 13 | 16 | 30.22 | 70 | 193 | 180 | 4 | 138 | 55 | 50 | 32 | 35 | 10 |
| 3700W | 40-100 | 40 | 535 | 480 | 230 | 310 | 295 | 270 | 15 | 21 | 37.96 | 81 | 193 | 219 | 5 | 138 | 65 | 60 | 40 | 45 | 10 |
| | 120-200 | 50 | 610 | 555 | 280 | 390 | 360 | 335 | 19 | 21 | 51 | 90.5 | 193 | 276 | 5 | 138 | 80 | 75 | 50 | 55 | 14 |
| 2200W | 3-10 | 32 | 525 | 475 | 185 | 255 | 238 | 216 | 13 | 16 | 30.22 | 70 | 193 | 180 | 4 | 138 | 55 | 50 | 32 | 35 | 10 |
| | 15-60 | 40 | 565 | 510 | 230 | 310 | 295 | 270 | 15 | 21 | 37.96 | 81 | 193 | 219 | 5 | 138 | 65 | 60 | 40 | 45 | 10 |
| 3700W | 80-100 | 50 | 635 | 580 | 280 | 390 | 360 | 335 | 19 | 21 | 51 | 90.5 | 193 | 276 | 5 | 138 | 80 | 75 | 50 | 55 | 14 |
| | 3-20 | 40 | 580 | 525 | 230 | 310 | 295 | 270 | 15 | 21 | 37.96 | 81 | 230 | 219 | 5 | 170 | 65 | 60 | 40 | 45 | 10 |
| | 25-60 | 50 | 650 | 595 | 280 | 390 | 360 | 335 | 19 | 21 | 51 | 90.5 | 230 | 276 | 5 | 170 | 80 | 75 | 50 | 55 | 14 |

说明: A1为电机带刹车时的总长度