



# YD

## YD 系列超高效率三相异步电动机

CHANGE-POLES MULTI-SPEED THREE-PHASE ASYNCHRONOUS MOTOR

适用于：要求随负载的性质逐级调速的各种传动机械如机床、矿山、冶金、纺织、印染、化工等行业。

特点：采用改变绕组的接法来变换电机的转速和输出功率，使其与机械设备的负载特性相匹配，简化了变速系统，高效、节能。

变速方案：双速、三速、四速

Applications: widely used in such industry which have step changes of rotational speed to meet the requirements of load character, as machine tools, mining, metallurgy, textile, printing and dyeing, chemical industry and agricultural machinery, etc.

Features: simplify speed-changing systems by changing the connection to obtain different output and speed.

Pole-changing mode: double, three or four speed.

### 产品相关参数:

机座中心高: 80 ~ 280mm

功率范围: 0.35 ~ 82kW

额定电压: 380V (其他电压需另订协议)

额定频率: 50Hz (或60Hz)

防护等级: IP54 (或IP55)

绝缘等级: F/H级

工作制: S1

### Technical Data:

Centre height of frame: 80~280mm

Power range: 0.35~82kW

Rated voltage: 380V (special should order)

Rated frequency: 50Hz or 60Hz

Protection class: IP54 or IP55

Insulation class: F/H

Duty type: S1

## 性能数据 Performance Data

Rated Voltage: 380V FUNDAMENTAL FREQUENCY: 50HZ

额定电压: 380V 频率: 50HZ

| 型号<br>Type           | 极数<br>Pole | 功率<br>kW | 满载时 Full Load     |             |                    |             | 堵转转矩<br>额定转矩<br>$\frac{T_{st}}{T_n}$ | 堵转电流<br>额定电流<br>$\frac{I_{st}}{I_n}$ | 最大转矩<br>额定转矩<br>$\frac{T_{max}}{T_n}$ |
|----------------------|------------|----------|-------------------|-------------|--------------------|-------------|--------------------------------------|--------------------------------------|---------------------------------------|
|                      |            |          | 额定电流<br>Current A | 转速<br>r/min | 效率<br>Eff $\eta\%$ | 功率因数<br>P.F |                                      |                                      |                                       |
| 同步转速 1500/3000 r/min |            |          |                   |             |                    |             |                                      |                                      |                                       |
| YD-80M1-4/2          | 4          | 0.45     | 1.4               | 1420        | 66                 | 0.74        | 1.5                                  | 6.5                                  | 1.8                                   |
|                      | 2          | 0.55     | 1.5               | 2860        | 65                 | 0.85        | 1.7                                  | 7                                    |                                       |
| YD-80M2-4/2          | 4          | 0.55     | 1.7               | 1420        | 68                 | 0.74        | 1.6                                  | 6.5                                  | 1.8                                   |
|                      | 2          | 0.75     | 2.0               | 2860        | 66                 | 0.85        | 1.8                                  | 7                                    |                                       |
| YD-90S-4/2           | 4          | 0.85     | 2.3               | 1430        | 74                 | 0.77        | 1.8                                  | 6.5                                  | 1.8                                   |
|                      | 2          | 1.1      | 2.8               | 2850        | 71                 | 0.85        | 1.9                                  | 7                                    |                                       |
| YD-90L-4/2           | 4          | 1.3      | 3.3               | 1430        | 76                 | 0.78        | 1.8                                  | 6.5                                  | 1.8                                   |
|                      | 2          | 1.8      | 4.4               | 2850        | 73                 | 0.85        | 2.0                                  | 7                                    |                                       |
| YD-100L1-4/2         | 4          | 2        | 4.8               | 1430        | 78                 | 0.81        | 1.7                                  | 6.5                                  | 1.8                                   |
|                      | 2          | 2.4      | 5.6               | 2850        | 76                 | 0.86        | 1.9                                  | 7                                    |                                       |
| YD-100L2-4/2         | 4          | 2.4      | 5.6               | 1430        | 79                 | 0.83        | 1.6                                  | 6.5                                  | 1.8                                   |
|                      | 2          | 3        | 6.7               | 2850        | 77                 | 0.89        | 1.7                                  | 7                                    |                                       |
| YD-112M-4/2          | 4          | 3.3      | 6.8               | 1450        | 82                 | 0.83        | 1.9                                  | 6.5                                  | 1.8                                   |
|                      | 2          | 4        | 7.4               | 2890        | 79                 | 0.89        | 2.0                                  | 7                                    |                                       |
| YD-132S-4/2          | 4          | 4.5      | 9.8               | 1450        | 83                 | 0.84        | 1.7                                  | 6.5                                  | 1.8                                   |
|                      | 2          | 5.5      | 11.9              | 2890        | 79                 | 0.89        | 1.8                                  | 7                                    |                                       |
| YD-132M-4/2          | 4          | 6.5      | 13.8              | 1450        | 84                 | 0.85        | 1.7                                  | 6.5                                  | 1.8                                   |
|                      | 2          | 8        | 17.1              | 2890        | 80                 | 0.89        | 1.8                                  | 7                                    |                                       |
| YD-160M-4/2          | 4          | 9        | 18.5              | 1460        | 87                 | 0.85        | 1.6                                  | 6.5                                  | 1.8                                   |
|                      | 2          | 11       | 22.9              | 2920        | 82                 | 0.89        | 1.8                                  | 7                                    |                                       |
| YD-160L-4/2          | 4          | 11       | 22.3              | 1460        | 87                 | 0.86        | 1.7                                  | 6.5                                  | 1.8                                   |
|                      | 2          | 14       | 28.8              | 2920        | 82                 | 0.90        | 1.8                                  | 7                                    |                                       |
| YD-180M-4/2          | 4          | 15       | 29.4              | 1470        | 89                 | 0.87        | 1.8                                  | 6.5                                  | 1.8                                   |
|                      | 2          | 18.5     | 36.7              | 2940        | 85                 | 0.90        | 1.9                                  | 7                                    |                                       |
| YD-180L-4/2          | 4          | 18.5     | 35.9              | 1470        | 89                 | 0.88        | 1.6                                  | 6.5                                  | 1.8                                   |
|                      | 2          | 22       | 42.7              | 2940        | 86                 | 0.91        | 1.8                                  | 7                                    |                                       |
| YD-200L-4/2          | 4          | 26       | 49.9              | 1470        | 89                 | 0.89        | 1.4                                  | 6.5                                  | 1.8                                   |
|                      | 2          | 30       | 58.3              | 2950        | 85                 | 0.92        | 1.6                                  | 7                                    |                                       |
| YD-225S-4/2          | 4          | 32       | 60.7              | 1475        | 90                 | 0.89        | 1.4                                  | 6.5                                  | 1.8                                   |
|                      | 2          | 37       | 71.1              | 2955        | 86                 | 0.92        | 1.6                                  | 7                                    |                                       |
| YD-225M-4/2          | 4          | 37       | 69.4              | 1475        | 91                 | 0.89        | 1.6                                  | 6.5                                  | 1.8                                   |
|                      | 2          | 45       | 86.4              | 2955        | 86                 | 0.92        | 1.6                                  | 7                                    |                                       |
| YD-250M-4/2          | 4          | 45       | 84.4              | 1475        | 91                 | 0.89        | 1.6                                  | 6.5                                  | 1.8                                   |
|                      | 2          | 52       | 98.7              | 2955        | 87                 | 0.92        | 1.6                                  | 7                                    |                                       |
| YD-280S-4/2          | 4          | 60       | 111               | 1480        | 91                 | 0.90        | 1.4                                  | 6.5                                  | 1.8                                   |
|                      | 2          | 72       | 135               | 2960        | 88                 | 0.92        | 1.5                                  | 7                                    |                                       |
| YD-280M-4/2          | 4          | 72       | 134               | 1480        | 91                 | 0.90        | 1.4                                  | 6.5                                  | 1.8                                   |
|                      | 2          | 82       | 152               | 2960        | 88                 | 0.93        | 1.5                                  | 7                                    |                                       |

## 性能数据 Performance Data

Rated Voltage: 380V FUNDAMENTAL FREQUENCY: 50HZ

额定电压: 380V 频率: 50HZ

| 型号<br>Type          | 极数<br>Pole | 功率<br>kW | 满载时 Full Load     |             |                    |             | 堵转转矩<br>额定转矩<br>$\frac{T_{st}}{T_n}$ | 堵转电流<br>额定电流<br>$\frac{I_{st}}{I_n}$ | 最大转矩<br>额定转矩<br>$\frac{T_{max}}{T_n}$ |
|---------------------|------------|----------|-------------------|-------------|--------------------|-------------|--------------------------------------|--------------------------------------|---------------------------------------|
|                     |            |          | 额定电流<br>Current A | 转速<br>r/min | 效率<br>Eff $\eta\%$ | 功率因数<br>P.F |                                      |                                      |                                       |
| 同步转速 1000/1500r/min |            |          |                   |             |                    |             |                                      |                                      |                                       |
| YD-90S-6/4          | 6          | 0.65     | 2.2               | 920         | 64                 | 0.68        | 1.6                                  | 6                                    | 1.8                                   |
|                     | 4          | 0.85     | 2.3               | 1420        | 70                 | 0.79        | 1.4                                  | 6.5                                  |                                       |
| YD-90L-6/4          | 6          | 0.85     | 2.8               | 930         | 66                 | 0.70        | 1.6                                  | 6                                    | 1.8                                   |
|                     | 4          | 1.1      | 3.0               | 1400        | 71                 | 0.79        | 1.5                                  | 6.5                                  |                                       |
| YD-100L1-6/4        | 6          | 1.3      | 3.8               | 940         | 74                 | 0.70        | 1.7                                  | 6                                    | 1.8                                   |
|                     | 4          | 1.8      | 4.4               | 1440        | 77                 | 0.80        | 1.4                                  | 6.5                                  |                                       |
| YD-100L2-6/4        | 6          | 1.5      | 4.3               | 940         | 75                 | 0.70        | 1.6                                  | 6                                    | 1.8                                   |
|                     | 4          | 2.2      | 5.4               | 1440        | 77                 | 0.80        | 1.4                                  | 6.5                                  |                                       |
| YD-112M-6/4         | 6          | 2.2      | 5.7               | 960         | 78                 | 0.75        | 1.8                                  | 6                                    | 1.8                                   |
|                     | 4          | 2.8      | 6.7               | 1440        | 77                 | 0.82        | 1.5                                  | 6.5                                  |                                       |
| YD-132S-6/4         | 6          | 3        | 7.7               | 970         | 79                 | 0.75        | 1.8                                  | 6                                    | 1.8                                   |
|                     | 4          | 4        | 9.5               | 1440        | 78                 | 0.82        | 1.7                                  | 6.5                                  |                                       |
| YD-132M-6/4         | 6          | 4        | 9.8               | 970         | 82                 | 0.76        | 1.6                                  | 6                                    | 1.8                                   |
|                     | 4          | 5.5      | 12.3              | 1440        | 80                 | 0.85        | 1.4                                  | 6.5                                  |                                       |
| YD-160M-6/4         | 6          | 6.5      | 15.1              | 970         | 84                 | 0.78        | 1.5                                  | 6                                    | 1.8                                   |
|                     | 4          | 8        | 17.6              | 1460        | 82                 | 0.84        | 1.5                                  | 6.5                                  |                                       |
| YD-160L-6/4         | 6          | 9        | 20.6              | 970         | 85                 | 0.78        | 1.6                                  | 6                                    | 1.8                                   |
|                     | 4          | 11       | 23.7              | 1460        | 83                 | 0.85        | 1.7                                  | 6.5                                  |                                       |
| YD-180M-6/4         | 6          | 11       | 25.9              | 980         | 85                 | 0.76        | 1.6                                  | 6                                    | 1.8                                   |
|                     | 4          | 14       | 29.8              | 1470        | 84                 | 0.85        | 1.7                                  | 6.5                                  |                                       |
| YD-180L-6/4         | 6          | 13       | 29.4              | 980         | 86                 | 0.78        | 1.7                                  | 6                                    | 1.8                                   |
|                     | 4          | 16       | 33.6              | 1470        | 85                 | 0.85        | 1.7                                  | 6.5                                  |                                       |
| YD-200L-6/4         | 6          | 18.5     | 41.4              | 980         | 87                 | 0.78        | 1.6                                  | 6.5                                  | 1.8                                   |
|                     | 4          | 22       | 44.9              | 1460        | 86.5               | 0.86        | 1.5                                  | 7                                    |                                       |
| YD-225S-6/4         | 6          | 22       | 44.2              | 980         | 88                 | 0.86        | 1.8                                  | 6.5                                  | 1.8                                   |
|                     | 4          | 28       | 56.5              | 1470        | 86.5               | 0.87        | 1.8                                  | 7                                    |                                       |
| YD-225M-6/4         | 6          | 26       | 52.2              | 980         | 88                 | 0.86        | 1.8                                  | 6.5                                  | 1.8                                   |
|                     | 4          | 34       | 63.2              | 1470        | 85.5               | 0.90        | 1.8                                  | 7                                    |                                       |
| YD-250M-6/4         | 6          | 32       | 62.1              | 990         | 90                 | 0.87        | 1.5                                  | 6.5                                  | 1.8                                   |
|                     | 4          | 42       | 81.1              | 1480        | 86.5               | 0.91        | 1.3                                  | 7                                    |                                       |
| YD-280S-6/4         | 6          | 42       | 81.5              | 990         | 90                 | 0.87        | 1.5                                  | 6.5                                  | 1.8                                   |
|                     | 4          | 55       | 107               | 1480        | 87                 | 0.90        | 1.3                                  | 7                                    |                                       |
| YD-280M-6/4         | 6          | 55       | 107               | 990         | 90                 | 0.87        | 1.6                                  | 6.5                                  | 1.8                                   |
|                     | 4          | 67       | 131               | 1480        | 87                 | 0.89        | 1.3                                  | 7                                    |                                       |

## 性能数据 Performance Data

Rated Voltage: 380V FUNDAMENTAL FREQUENCY: 50HZ

额定电压: 380V 频率: 50HZ

| 型号<br>Type         | 极数<br>Pole | 功率<br>kW | 满载时 Full Load     |             |                    |             | 堵转转矩<br>额定转矩<br>$\frac{T_{st}}{T_n}$ | 堵转电流<br>额定电流<br>$\frac{I_{st}}{I_n}$ | 最大转矩<br>额定转矩<br>$\frac{T_{max}}{T_n}$ |
|--------------------|------------|----------|-------------------|-------------|--------------------|-------------|--------------------------------------|--------------------------------------|---------------------------------------|
|                    |            |          | 额定电流<br>Current A | 转速<br>r/min | 效率<br>Eff $\eta\%$ | 功率因数<br>P.F |                                      |                                      |                                       |
| 同步转速 750/1500r/min |            |          |                   |             |                    |             |                                      |                                      |                                       |
| YD-90L-8/4         | 8          | 0.45     | 1.9               | 700         | 58                 | 0.63        | 1.6                                  | 5.5                                  | 1.8                                   |
|                    | 4          | 0.75     | 1.8               | 1420        | 72                 | 0.87        | 1.4                                  | 6.5                                  |                                       |
| YD-100L-8/4        | 8          | 0.85     | 3.1               | 700         | 67                 | 0.63        | 1.6                                  | 5.5                                  | 1.8                                   |
|                    | 4          | 1.5      | 3.5               | 1410        | 74                 | 0.88        | 1.4                                  | 6.5                                  |                                       |
| YD-112M-8/4        | 8          | 1.5      | 5.0               | 700         | 72                 | 0.63        | 1.7                                  | 5.5                                  | 1.8                                   |
|                    | 4          | 2.4      | 5.3               | 1410        | 78                 | 0.88        | 1.7                                  | 6.5                                  |                                       |
| YD-132S-8/4        | 8          | 2.2      | 7.0               | 720         | 75                 | 0.64        | 1.5                                  | 5.5                                  | 1.8                                   |
|                    | 4          | 3.3      | 7.1               | 1440        | 80                 | 0.88        | 1.7                                  | 6.5                                  |                                       |
| YD-132M-8/4        | 8          | 3        | 9.0               | 720         | 78                 | 0.65        | 1.5                                  | 5.5                                  | 1.8                                   |
|                    | 4          | 4.5      | 9.4               | 1440        | 82                 | 0.89        | 1.6                                  | 6.5                                  |                                       |
| YD-160M-8/4        | 8          | 5        | 13.9              | 730         | 83                 | 0.66        | 1.5                                  | 5.5                                  | 1.8                                   |
|                    | 4          | 7.5      | 15.2              | 1450        | 84                 | 0.89        | 1.6                                  | 6.5                                  |                                       |
| YD-160L-8/4        | 8          | 7        | 19                | 730         | 85                 | 0.66        | 1.5                                  | 5.5                                  | 1.8                                   |
|                    | 4          | 11       | 21.8              | 1450        | 86                 | 0.89        | 1.6                                  | 6.5                                  |                                       |
| YD-180L-8/4        | 8          | 11       | 26.7              | 730         | 87                 | 0.72        | 1.5                                  | 6                                    | 1.8                                   |
|                    | 4          | 17       | 32.3              | 1470        | 88                 | 0.91        | 1.5                                  | 7                                    |                                       |
| YD-200L1-8/4       | 8          | 14       | 33                | 740         | 87                 | 0.74        | 1.8                                  | 6                                    | 1.8                                   |
|                    | 4          | 22       | 41.3              | 1470        | 88                 | 0.92        | 1.7                                  | 7                                    |                                       |
| YD-200L2-8/4       | 8          | 17       | 40.1              | 740         | 87                 | 0.74        | 1.5                                  | 6                                    | 1.8                                   |
|                    | 4          | 26       | 48.8              | 1470        | 88                 | 0.92        | 1.7                                  | 7                                    |                                       |
| YD-225M-8/4        | 8          | 24       | 53.2              | 740         | 89                 | 0.77        | 1.5                                  | 6                                    | 1.8                                   |
|                    | 4          | 34       | 66.7              | 1470        | 88                 | 0.88        | 1.5                                  | 7                                    |                                       |
| YD-250M-8/4        | 8          | 30       | 64.9              | 740         | 90                 | 0.78        | 1.6                                  | 6                                    | 1.8                                   |
|                    | 4          | 42       | 78.8              | 1480        | 89                 | 0.91        | 1.7                                  | 7                                    |                                       |
| YD-280S-8/4        | 8          | 40       | 83.5              | 740         | 91                 | 0.80        | 1.6                                  | 6                                    | 1.8                                   |
|                    | 4          | 55       | 102               | 1480        | 90                 | 0.91        | 1.7                                  | 7                                    |                                       |
| YD-280M-8/4        | 8          | 47       | 96.9              | 740         | 91                 | 0.81        | 1.6                                  | 6                                    | 1.8                                   |
|                    | 4          | 67       | 123               | 1480        | 90                 | 0.92        | 1.7                                  | 7                                    |                                       |

## 性能数据 Performance Data

Rated Voltage: 380V FUNDAMENTAL FREQUENCY: 50HZ

额定电压: 380V 频率: 50HZ

| 型号<br>Type         | 极数<br>Pole | 功率<br>kW | 满载时 Full Load     |             |                    |             | 堵转转矩<br>额定转矩<br>$\frac{T_{st}}{T_n}$ | 堵转电流<br>额定电流<br>$\frac{I_{st}}{I_n}$ | 最大转矩<br>额定转矩<br>$\frac{T_{max}}{T_n}$ |
|--------------------|------------|----------|-------------------|-------------|--------------------|-------------|--------------------------------------|--------------------------------------|---------------------------------------|
|                    |            |          | 额定电流<br>Current A | 转速<br>r/min | 效率<br>Eff $\eta\%$ | 功率因数<br>P.F |                                      |                                      |                                       |
| 同步转速 750/1000r/min |            |          |                   |             |                    |             |                                      |                                      |                                       |
| YD-90S-8/6         | 8          | 0.35     | 1.6               | 700         | 56                 | 0.60        | 1.8                                  | 5                                    | 1.8                                   |
|                    | 6          | 0.45     | 1.4               | 930         | 70                 | 0.72        | 2.0                                  | 6                                    |                                       |
| YD-90L-8/6         | 8          | 0.45     | 1.9               | 700         | 59                 | 0.60        | 1.7                                  | 5                                    | 1.8                                   |
|                    | 6          | 0.65     | 1.9               | 920         | 71                 | 0.73        | 1.8                                  | 6                                    |                                       |
| YD-100L-8/6        | 8          | 0.75     | 2.9               | 710         | 65                 | 0.60        | 1.8                                  | 5                                    | 1.8                                   |
|                    | 6          | 1.1      | 3.1               | 950         | 75                 | 0.73        | 1.9                                  | 6                                    |                                       |
| YD-112M-8/6        | 8          | 1.3      | 4.5               | 710         | 72                 | 0.61        | 1.7                                  | 5                                    | 1.8                                   |
|                    | 6          | 1.8      | 4.8               | 950         | 78                 | 0.73        | 1.9                                  | 6                                    |                                       |
| YD-132S-8/6        | 8          | 1.8      | 5.8               | 730         | 76                 | 0.62        | 1.6                                  | 5                                    | 1.8                                   |
|                    | 6          | 2.4      | 6.2               | 970         | 80                 | 0.73        | 1.9                                  | 6                                    |                                       |
| YD-132M-8/6        | 8          | 2.6      | 8.2               | 730         | 78                 | 0.62        | 1.9                                  | 5                                    | 1.8                                   |
|                    | 6          | 3.7      | 9.4               | 970         | 82                 | 0.73        | 1.9                                  | 6                                    |                                       |
| YD-160M-8/6        | 8          | 4.5      | 13.3              | 730         | 83                 | 0.62        | 1.6                                  | 5                                    | 1.8                                   |
|                    | 6          | 6        | 14.7              | 980         | 85                 | 0.73        | 1.9                                  | 6                                    |                                       |
| YD-160L-8/6        | 8          | 6        | 17.5              | 730         | 84                 | 0.62        | 1.6                                  | 5                                    | 1.8                                   |
|                    | 6          | 8        | 19.4              | 980         | 86                 | 0.73        | 1.9                                  | 6                                    |                                       |
| YD-180M-8/6        | 8          | 7.5      | 21.9              | 730         | 84                 | 0.62        | 1.9                                  | 5                                    | 1.8                                   |
|                    | 6          | 10       | 24.2              | 980         | 86                 | 0.73        | 1.9                                  | 6                                    |                                       |
| YD-180L-8/6        | 8          | 9        | 24.7              | 730         | 85                 | 0.65        | 1.8                                  | 5                                    | 1.8                                   |
|                    | 6          | 12       | 28.3              | 980         | 86                 | 0.75        | 1.8                                  | 6                                    |                                       |
| YD-200L1-8/6       | 8          | 12       | 32.6              | 730         | 86                 | 0.65        | 1.8                                  | 5                                    | 1.8                                   |
|                    | 6          | 17       | 39.1              | 980         | 87                 | 0.76        | 2.0                                  | 6                                    |                                       |
| YD-200L2-8/6       | 8          | 15       | 40.3              | 730         | 87                 | 0.65        | 1.8                                  | 5                                    | 1.8                                   |
|                    | 6          | 20       | 45.4              | 980         | 88                 | 0.76        | 2.0                                  | 6                                    |                                       |

## 性能数据 Performance Data

Rated Voltage: 380V FUNDAMENTAL FREQUENCY: 50HZ

额定电压: 380V 频率: 50HZ

| 型号<br>Type               | 极数<br>Pole | 功率<br>kW | 满载时 Full Load     |             |                    |             | 堵转转矩<br>额定转矩<br>$\frac{T_{st}}{T_n}$ | 堵转电流<br>额定电流<br>$\frac{I_{st}}{I_n}$ | 最大转矩<br>额定转矩<br>$\frac{T_{max}}{T_n}$ |
|--------------------------|------------|----------|-------------------|-------------|--------------------|-------------|--------------------------------------|--------------------------------------|---------------------------------------|
|                          |            |          | 额定电流<br>Current A | 转速<br>r/min | 效率<br>Eff $\eta\%$ | 功率因数<br>P.F |                                      |                                      |                                       |
| 同步转速 500/1000r/min       |            |          |                   |             |                    |             |                                      |                                      |                                       |
| YD-160M-12/6             | 12         | 2.6      | 11.6              | 480         | 74                 | 0.46        | 1.2                                  | 4                                    | 1.8                                   |
|                          | 6          | 5        | 11.9              | 970         | 84                 | 0.76        | 1.4                                  | 6                                    |                                       |
| YD-160L-12/6             | 12         | 3.7      | 16.1              | 480         | 76                 | 0.46        | 1.2                                  | 4                                    | 1.8                                   |
|                          | 6          | 7        | 15.8              | 970         | 85                 | 0.79        | 1.4                                  | 6                                    |                                       |
| YD-180L-12/6             | 12         | 5.5      | 19.6              | 490         | 79                 | 0.54        | 1.3                                  | 4                                    | 1.8                                   |
|                          | 6          | 10       | 20.5              | 980         | 86                 | 0.86        | 1.3                                  | 6                                    |                                       |
| YD-200L1-12/6            | 12         | 7.5      | 24.5              | 485         | 83                 | 0.56        | 1.5                                  | 4                                    | 1.8                                   |
|                          | 6          | 13       | 26.4              | 980         | 87                 | 0.86        | 1.5                                  | 6                                    |                                       |
| YD-200L2-12/6            | 12         | 9        | 28.9              | 485         | 83                 | 0.57        | 1.5                                  | 4                                    | 1.8                                   |
|                          | 6          | 15       | 30.1              | 980         | 87                 | 0.87        | 1.5                                  | 6                                    |                                       |
| YD-225M-12/6             | 12         | 12       | 35.2              | 485         | 85                 | 0.61        | 1.5                                  | 4                                    | 1.8                                   |
|                          | 6          | 20       | 39.7              | 980         | 88                 | 0.87        | 1.5                                  | 6                                    |                                       |
| YD-250M-12/6             | 12         | 15       | 42.1              | 490         | 86                 | 0.63        | 1.5                                  | 4                                    | 1.8                                   |
|                          | 6          | 24       | 47.1              | 985         | 89                 | 0.87        | 1.5                                  | 6                                    |                                       |
| YD-280S-12/6             | 12         | 20       | 54.8              | 490         | 88                 | 0.63        | 1.5                                  | 4                                    | 1.8                                   |
|                          | 6          | 30       | 58.9              | 985         | 89                 | 0.87        | 1.5                                  | 6                                    |                                       |
| YD-280M-12/6             | 12         | 24       | 63.8              | 490         | 88                 | 0.65        | 1.5                                  | 4                                    | 1.8                                   |
|                          | 6          | 37       | 72.6              | 985         | 89                 | 0.87        | 1.5                                  | 6                                    |                                       |
| 同步转速 1000/1500/3000r/min |            |          |                   |             |                    |             |                                      |                                      |                                       |
| YD-100L-6/4/2            | 6          | 0.75     | 2.6               | 950         | 67                 | 0.65        | 1.8                                  | 5.5                                  | 1.8                                   |
|                          | 4          | 1.3      | 3.7               | 1450        | 72                 | 0.75        | 1.6                                  | 6                                    |                                       |
|                          | 2          | 1.8      | 4.5               | 2900        | 71                 | 0.85        | 1.6                                  | 7                                    |                                       |
| YD-112M-6/4/2            | 6          | 1.1      | 3.5               | 960         | 73                 | 0.65        | 1.7                                  | 5.5                                  | 1.8                                   |
|                          | 4          | 2        | 5.1               | 1450        | 74                 | 0.81        | 1.4                                  | 6                                    |                                       |
|                          | 2          | 2.4      | 5.8               | 2920        | 74                 | 0.85        | 1.6                                  | 7                                    |                                       |
| YD-132S-6/4/2            | 6          | 1.8      | 5.1               | 970         | 75                 | 0.71        | 1.4                                  | 5.5                                  | 1.8                                   |
|                          | 4          | 2.6      | 6.1               | 1460        | 78                 | 0.83        | 1.3                                  | 6                                    |                                       |
|                          | 2          | 3        | 7.4               | 2910        | 71                 | 0.87        | 1.7                                  | 7                                    |                                       |
| YD-132M1-6/4/2           | 6          | 2.2      | 6                 | 970         | 77                 | 0.72        | 1.3                                  | 5.5                                  | 1.8                                   |
|                          | 4          | 3.3      | 7.5               | 1460        | 80                 | 0.84        | 1.3                                  | 6                                    |                                       |
|                          | 2          | 4        | 8.8               | 2910        | 76                 | 0.91        | 1.7                                  | 7                                    |                                       |
| YD-132M2-6/4/2           | 6          | 2.6      | 6.9               | 970         | 80                 | 0.72        | 1.5                                  | 5.5                                  | 1.8                                   |
|                          | 4          | 4        | 9                 | 1460        | 80                 | 0.84        | 1.4                                  | 6                                    |                                       |
|                          | 2          | 5        | 10.8              | 2910        | 77                 | 0.91        | 1.7                                  | 7                                    |                                       |
| YD-160M-6/4/2            | 6          | 3.7      | 9.5               | 980         | 82                 | 0.72        | 1.5                                  | 5.5                                  | 1.8                                   |
|                          | 4          | 5        | 11.2              | 1470        | 81                 | 0.84        | 1.3                                  | 6                                    |                                       |
|                          | 2          | 6        | 13.5              | 2930        | 76                 | 0.91        | 1.4                                  | 7                                    |                                       |
| YD-160L-6/4/2            | 6          | 4.5      | 11.4              | 980         | 83                 | 0.72        | 1.5                                  | 5.5                                  | 1.8                                   |
|                          | 4          | 7        | 15.1              | 1470        | 83                 | 0.85        | 1.2                                  | 6                                    |                                       |
|                          | 2          | 9        | 18.8              | 2930        | 79                 | 0.92        | 1.3                                  | 7                                    |                                       |

## 性能数据 Performance Data

Rated Voltage: 380V FUNDAMENTAL FREQUENCY: 50HZ

额定电压: 380V 频率: 50HZ

| 型号<br>Type               | 极数<br>Pole | 功率<br>kW | 满载时 Full Load     |             |                    |             | 堵转转矩<br>额定转矩<br>$\frac{T_{st}}{T_n}$ | 堵转电流<br>额定电流<br>$\frac{I_{st}}{I_n}$ | 最大转矩<br>额定转矩<br>$\frac{T_{max}}{T_n}$ |
|--------------------------|------------|----------|-------------------|-------------|--------------------|-------------|--------------------------------------|--------------------------------------|---------------------------------------|
|                          |            |          | 额定电流<br>Current A | 转速<br>r/min | 效率<br>Eff $\eta\%$ | 功率因数<br>P.F |                                      |                                      |                                       |
| 同步转速 750/1500/3000 r/min |            |          |                   |             |                    |             |                                      |                                      |                                       |
| YD-112M-8/4/2            | 8          | 0.65     | 2.7               | 700         | 59                 | 0.63        | 1.4                                  | 4.5                                  | 1.8                                   |
|                          | 4          | 2        | 5.1               | 1450        | 74                 | 0.81        | 1.3                                  | 6                                    |                                       |
|                          | 2          | 2.4      | 5.8               | 2920        | 74                 | 0.85        | 1.2                                  | 7                                    |                                       |
| YD-132S-8/4/2            | 8          | 1        | 3.6               | 720         | 69                 | 0.61        | 1.4                                  | 4.5                                  | 1.8                                   |
|                          | 4          | 2.6      | 6.1               | 1460        | 78                 | 0.83        | 1.2                                  | 6                                    |                                       |
|                          | 2          | 3        | 7.1               | 2910        | 74                 | 0.87        | 1.4                                  | 7                                    |                                       |
| YD-132M-8/4/2            | 8          | 1.3      | 4.6               | 720         | 71                 | 0.61        | 1.5                                  | 4.5                                  | 1.8                                   |
|                          | 4          | 3.7      | 8.4               | 1460        | 80                 | 0.84        | 1.3                                  | 6                                    |                                       |
|                          | 2          | 4.5      | 10                | 2910        | 75                 | 0.91        | 1.4                                  | 7                                    |                                       |
| YD-160M-8/4/2            | 8          | 2.2      | 7.6               | 720         | 75                 | 0.59        | 1.4                                  | 4.5                                  | 1.8                                   |
|                          | 4          | 5        | 11.2              | 1440        | 81                 | 0.84        | 1.3                                  | 6                                    |                                       |
|                          | 2          | 6        | 13.2              | 2910        | 76                 | 0.91        | 1.4                                  | 7                                    |                                       |
| YD-160L-8/4/2            | 8          | 2.8      | 9.2               | 720         | 77                 | 0.60        | 1.3                                  | 4.5                                  | 1.8                                   |
|                          | 4          | 7        | 15.1              | 1440        | 83                 | 0.85        | 1.2                                  | 6                                    |                                       |
|                          | 2          | 9        | 18.8              | 2910        | 79                 | 0.92        | 1.3                                  | 7                                    |                                       |
| 同步转速 750/1000/1500 r/min |            |          |                   |             |                    |             |                                      |                                      |                                       |
| YD-112M-8/6/4            | 8          | 0.85     | 3.7               | 710         | 62                 | 0.56        | 1.7                                  | 5.5                                  | 1.8                                   |
|                          | 6          | 1        | 3.1               | 950         | 68                 | 0.73        | 1.3                                  | 6.5                                  |                                       |
|                          | 4          | 1.5      | 3.5               | 1440        | 75                 | 0.86        | 1.5                                  | 7                                    |                                       |
| YD-132S-8/6/4            | 8          | 1.1      | 4.1               | 730         | 68                 | 0.60        | 1.4                                  | 5.5                                  | 1.8                                   |
|                          | 6          | 1.5      | 4.2               | 970         | 74                 | 0.73        | 1.3                                  | 6.5                                  |                                       |
|                          | 4          | 1.8      | 4                 | 1460        | 78                 | 0.87        | 1.3                                  | 7                                    |                                       |
| YD-132M1-8/6/4           | 8          | 1.5      | 5.2               | 730         | 71                 | 0.62        | 1.3                                  | 5.5                                  | 1.8                                   |
|                          | 6          | 2        | 5.4               | 970         | 77                 | 0.73        | 1.5                                  | 6.5                                  |                                       |
|                          | 4          | 2.2      | 4.9               | 1460        | 79                 | 0.87        | 1.4                                  | 7                                    |                                       |
| YD-132M2-8/6/4           | 8          | 1.8      | 6.1               | 730         | 72                 | 0.62        | 1.5                                  | 5.5                                  | 1.8                                   |
|                          | 6          | 2.6      | 6.8               | 970         | 78                 | 0.74        | 1.5                                  | 6.5                                  |                                       |
|                          | 4          | 3        | 6.5               | 1460        | 80                 | 0.87        | 1.5                                  | 7                                    |                                       |
| YD-160M-8/6/4            | 8          | 3.3      | 10.2              | 720         | 79                 | 0.62        | 1.7                                  | 5.5                                  | 1.8                                   |
|                          | 6          | 4        | 9.9               | 960         | 81                 | 0.76        | 1.4                                  | 6.5                                  |                                       |
|                          | 4          | 5.5      | 11.6              | 1440        | 83                 | 0.87        | 1.5                                  | 7                                    |                                       |

## 性能数据 Performance Data

Rated Voltage: 380V FUNDAMENTAL FREQUENCY: 50HZ

额定电压: 380V 频率: 50HZ

| 型号<br>Type               | 极数<br>Pole | 功率<br>kW | 满载时 Full Load     |             |                    |             | 堵转转矩<br>额定转矩<br>$\frac{T_{st}}{T_n}$ | 堵转电流<br>额定电流<br>$\frac{I_{st}}{I_n}$ | 最大转矩<br>额定转矩<br>$\frac{T_{max}}{T_n}$ |
|--------------------------|------------|----------|-------------------|-------------|--------------------|-------------|--------------------------------------|--------------------------------------|---------------------------------------|
|                          |            |          | 额定电流<br>Current A | 转速<br>r/min | 效率<br>Eff $\eta\%$ | 功率因数<br>P.F |                                      |                                      |                                       |
| 同步转速 750/1000/1500 r/min |            |          |                   |             |                    |             |                                      |                                      |                                       |
| YD-160L-8/6/4            | 8          | 4.5      | 13.8              | 720         | 80                 | 0.62        | 1.6                                  | 5.5                                  | 1.8                                   |
|                          | 6          | 6        | 14.5              | 960         | 83                 | 0.76        | 1.6                                  | 6.5                                  |                                       |
|                          | 4          | 7.5      | 15.6              | 1440        | 84                 | 0.87        | 1.5                                  | 7                                    |                                       |
| YD-180L-8/6/4            | 8          | 7        | 20.2              | 740         | 81                 | 0.65        | 1.6                                  | 6.5                                  | 1.8                                   |
|                          | 6          | 9        | 20.6              | 980         | 83                 | 0.80        | 1.5                                  | 7                                    |                                       |
|                          | 4          | 12       | 24.1              | 1470        | 84                 | 0.90        | 1.4                                  | 7                                    |                                       |
| YD-200L-8/6/4            | 8          | 10       | 24.8              | 730         | 85                 | 0.72        | 1.6                                  | 6.5                                  | 1.8                                   |
|                          | 6          | 13       | 28.4              | 975         | 86                 | 0.81        | 1.5                                  | 7                                    |                                       |
|                          | 4          | 17       | 33.4              | 1465        | 86                 | 0.90        | 1.4                                  | 7                                    |                                       |
| YD-225S-8/6/4            | 8          | 14       | 35.3              | 735         | 86                 | 0.70        | 1.6                                  | 6.5                                  | 1.8                                   |
|                          | 6          | 18.5     | 39.9              | 980         | 87                 | 0.81        | 1.6                                  | 7                                    |                                       |
|                          | 4          | 24       | 46.6              | 1470        | 87                 | 0.90        | 1.4                                  | 7                                    |                                       |
| YD-225M-8/6/4            | 8          | 17       | 42.4              | 735         | 87                 | 0.70        | 1.6                                  | 6.7                                  | 1.8                                   |
|                          | 6          | 22       | 45.2              | 980         | 87                 | 0.85        | 1.6                                  | 7                                    |                                       |
|                          | 4          | 28       | 54.3              | 1470        | 87                 | 0.90        | 1.4                                  | 7                                    |                                       |
| YD-250M-8/6/4            | 8          | 24       | 55.3              | 740         | 88                 | 0.75        | 1.5                                  | 6.5                                  | 1.8                                   |
|                          | 6          | 26       | 52.8              | 985         | 88                 | 0.85        | 1.6                                  | 7                                    |                                       |
|                          | 4          | 34       | 63.8              | 1470        | 88                 | 0.92        | 1.4                                  | 7                                    |                                       |
| YD-280S-8/6/4            | 8          | 30       | 68.3              | 740         | 89                 | 0.75        | 1.5                                  | 6.5                                  | 1.8                                   |
|                          | 6          | 34       | 67.5              | 985         | 89                 | 0.86        | 1.6                                  | 7                                    |                                       |
|                          | 4          | 42       | 77.9              | 1475        | 89                 | 0.92        | 1.4                                  | 7                                    |                                       |
| YD-280M-8/6/4            | 8          | 34       | 77.4              | 740         | 89                 | 0.75        | 1.4                                  | 6.5                                  | 1.8                                   |
|                          | 6          | 37       | 73.4              | 985         | 89                 | 0.86        | 1.5                                  | 7                                    |                                       |
|                          | 4          | 50       | 92.8              | 1475        | 89                 | 0.92        | 1.4                                  | 7                                    |                                       |

## 性能数据 Performance Data

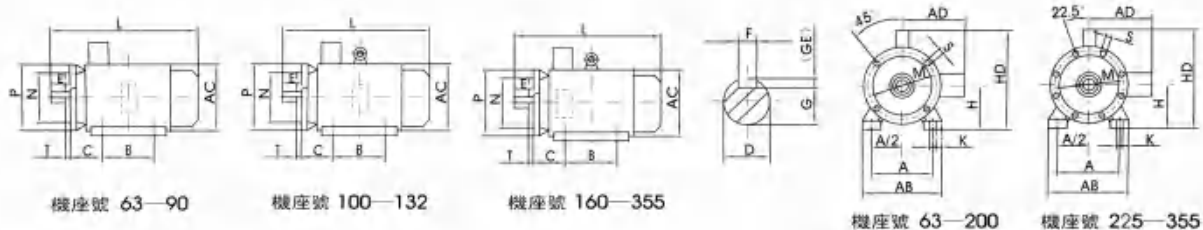
Rated Voltage: 380V FUNDAMENTAL FREQUENCY: 50HZ

额定电压: 380V 频率: 50HZ

| 型号<br>Type                   | 极数<br>Pole | 功率<br>kW | 满载时 Full Load     |             |                    |             | 堵转转矩<br>额定转矩<br>$\frac{T_{st}}{T_n}$ | 堵转电流<br>额定电流<br>$\frac{I_{st}}{I_n}$ | 最大转矩<br>额定转矩<br>$\frac{T_{max}}{T_n}$ |
|------------------------------|------------|----------|-------------------|-------------|--------------------|-------------|--------------------------------------|--------------------------------------|---------------------------------------|
|                              |            |          | 额定电流<br>Current A | 转速<br>r/min | 效率<br>Eff $\eta\%$ | 功率因数<br>P.F |                                      |                                      |                                       |
| 同步转速 500/750/1000/1500 r/min |            |          |                   |             |                    |             |                                      |                                      |                                       |
| YD-225M-12/8/6/4             | 12         | 3.3      | 12.7              | 480         | 72                 | 0.55        | 1.6                                  | 5                                    | 1.8                                   |
|                              | 8          | 5        | 15.5              | 735         | 79                 | 0.62        | 1.5                                  | 6.5                                  |                                       |
|                              | 6          | 6.5      | 13.7              | 970         | 82                 | 0.88        | 1.3                                  | 6.5                                  |                                       |
|                              | 4          | 9        | 18.5              | 1480        | 83                 | 0.89        | 1.3                                  | 7                                    |                                       |
| YD-250M-12/8/6/4             | 12         | 4.5      | 16.5              | 480         | 74                 | 0.56        | 1.3                                  | 5                                    | 1.8                                   |
|                              | 8          | 7        | 19.6              | 735         | 81                 | 0.67        | 1.3                                  | 6.5                                  |                                       |
|                              | 6          | 8        | 16.6              | 975         | 83                 | 0.88        | 1.3                                  | 6.5                                  |                                       |
|                              | 4          | 11       | 23                | 1480        | 84                 | 0.88        | 1.3                                  | 7                                    |                                       |
| YD-280S-12/8/6/4             | 12         | 5.5      | 19.9              | 480         | 75                 | 0.56        | 1.3                                  | 5                                    | 1.8                                   |
|                              | 8          | 8        | 22                | 735         | 81                 | 0.67        | 1.3                                  | 6.5                                  |                                       |
|                              | 6          | 10       | 21                | 975         | 83                 | 0.88        | 1.3                                  | 6.5                                  |                                       |
|                              | 4          | 13       | 27                | 1480        | 84                 | 0.88        | 1.3                                  | 7                                    |                                       |
| YD-280M-12/8/6/4             | 12         | 7        | 21                | 485         | 81                 | 0.63        | 1.6                                  | 5                                    | 1.8                                   |
|                              | 8          | 11       | 28                | 740         | 84                 | 0.72        | 1.6                                  | 6.5                                  |                                       |
|                              | 6          | 13       | 26                | 980         | 85                 | 0.88        | 1.5                                  | 6.5                                  |                                       |
|                              | 4          | 20       | 39                | 1480        | 86                 | 0.90        | 1.3                                  | 7                                    |                                       |
| YD-180L-12/8/6/4             | 12         | 9        | 27                | 485         | 82                 | 0.63        | 1.6                                  | 5                                    | 1.8                                   |
|                              | 8          | 14       | 34                | 740         | 85                 | 0.73        | 1.6                                  | 6.5                                  |                                       |
|                              | 6          | 16       | 33                | 980         | 85                 | 0.88        | 1.5                                  | 6.5                                  |                                       |
|                              | 4          | 26       | 49                | 1480        | 87                 | 0.92        | 1.3                                  | 7                                    |                                       |
| YD-200L1-12/8/6/4            | 12         | 11       | 32                | 490         | 83                 | 0.63        | 1.6                                  | 5                                    | 1.8                                   |
|                              | 8          | 18.5     | 43                | 740         | 87                 | 0.75        | 1.6                                  | 6.5                                  |                                       |
|                              | 6          | 20       | 41                | 985         | 85                 | 0.88        | 1.5                                  | 6.5                                  |                                       |
|                              | 4          | 34       | 65                | 1485        | 87                 | 0.92        | 1.3                                  | 7                                    |                                       |
| YD-200L2-12/8/6/4            | 12         | 13       | 37                | 490         | 84                 | 0.63        | 1.7                                  | 5                                    | 1.8                                   |
|                              | 8          | 22       | 51                | 740         | 87                 | 0.75        | 1.7                                  | 6.5                                  |                                       |
|                              | 6          | 24       | 49                | 985         | 85                 | 0.88        | 1.6                                  | 6.5                                  |                                       |
|                              | 4          | 40       | 75                | 1485        | 88                 | 0.92        | 1.5                                  | 7                                    |                                       |

## 附录 II - YX3、YE3、YD2、YEJ2、YVF2 系列电动机外形及安装尺寸

Appendix II - YX3、YE3、YD2、YEJ2、YVF2 series motor shapes and installation dimensions



機座帶底脚，端蓋上有凸緣(帶通孔)的電動機

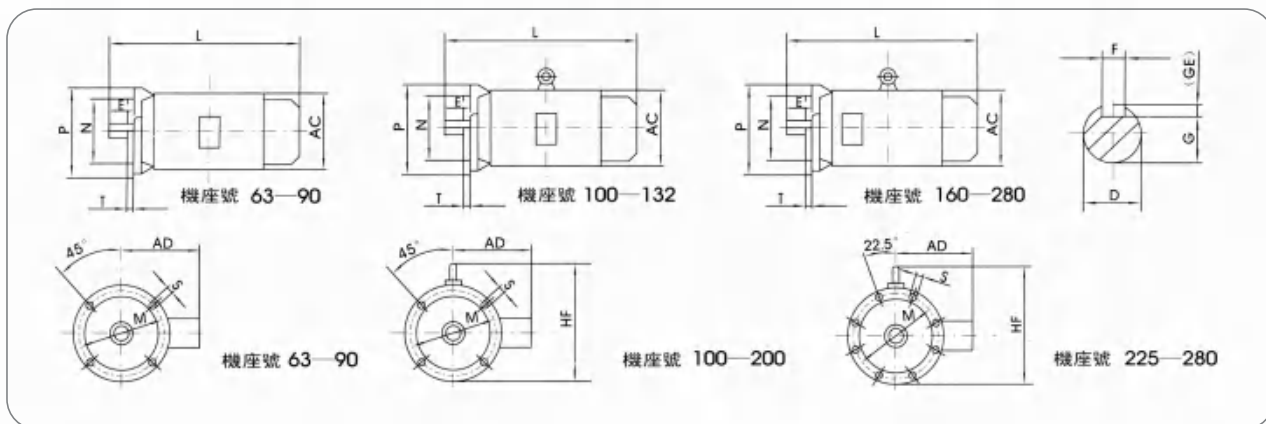
Frame with foot end, shield with flange(with through hole)

单位: mm

| 机座号<br>Frame size | 凸 缘 号<br>Flange size | 极数<br>Poles | 安 装 尺 寸 Fixing Measurement |       |     |     |     |     |    |      |      |      |     |     |     |     |    |     | 外 形 尺 寸 Figure size |     |     |     |      |                    |      |      |
|-------------------|----------------------|-------------|----------------------------|-------|-----|-----|-----|-----|----|------|------|------|-----|-----|-----|-----|----|-----|---------------------|-----|-----|-----|------|--------------------|------|------|
|                   |                      |             | A                          | A/2   | B   | C   | D   | E   | F  | G    | H    | K    | M   | N   | P   | R   | S  | T   | 凸缘孔数<br>Range holes | AB  | AC  | AD  | HD   | L                  |      |      |
|                   |                      |             |                            |       |     |     |     |     |    |      |      |      |     |     |     |     |    |     |                     |     |     |     |      | YE2-YX3<br>YE3-YD2 | YVF2 | YEJ2 |
| 63M               | FF115                | 2、4         | 100                        | 50    | 80  | 40  | 11  | 23  | 4  | 8.5  | 63   | 7    | 115 | 95  | 140 |     |    | 3   |                     | 135 | 130 | 70  | 180  | 230                | /    | /    |
| 71M               | FF130                | 2、4、6       | 112                        | 56    | 90  | 45  | 14  | 30  | 5  | 11   | 71   |      | 130 | 110 | 160 |     | 10 |     |                     | 150 | 145 | 80  | 195  | 255                | /    | /    |
| 80M               | FF165                | 2、4、6、8     | 125                        | 62.5  | 100 | 50  | 19  | 40  | 6  | 15.5 | 80   |      | 165 | 130 | 200 |     | 12 | 3.5 |                     | 165 | 175 | 145 | 220  | 295                | 370  | 390  |
| 90S               |                      |             | 140                        | 70    | 100 | 56  | 24  | 50  |    | 20   | 90   | 10   | 165 | 130 | 200 |     |    |     |                     | 180 | 195 | 155 | 250  | 320                | 380  | 420  |
| 90L               |                      |             |                            |       | 125 |     |     |     |    | 8    |      |      |     |     |     |     |    |     |                     |     |     |     |      | 345                | 410  | 445  |
| 100L              | FF215                |             | 160                        | 80    | 140 | 63  | 28  | 60  |    | 24   | 100  | 12   | 215 | 180 | 250 |     |    |     |                     | 205 | 215 | 180 | 270  | 385                | 465  | 480  |
| 112M              |                      |             | 190                        | 95    | 140 | 70  |     |     |    |      | 112  | 12   | 215 | 180 | 250 |     | 15 | 4   | 4                   | 230 | 240 | 190 | 300  | 400                | 480  | 510  |
| 132S              | FF265                | 2、4、6、8     | 216                        | 108   | 140 | 89  | 38  | 80  | 10 | 33   | 132  |      | 265 | 230 | 300 |     |    |     |                     | 270 | 275 | 210 | 345  | 470                | 530  | 585  |
| 132M              |                      |             |                            |       | 178 |     |     |     |    |      |      |      |     |     |     |     |    |     |                     |     |     |     | 510  | 570                | 625  |      |
| 160M              | FF300                |             | 254                        | 127   | 210 | 108 | 42  |     |    | 12   | 37   | 15   | 300 | 250 | 350 |     |    |     |                     | 320 | 330 | 255 | 420  | 615                | 660  | 720  |
| 160L              |                      |             |                            |       | 254 |     |     |     |    |      |      |      |     |     |     |     |    |     |                     |     |     |     | 670  | 715                | 765  |      |
| 180M              |                      |             | 279                        | 139.5 | 241 | 121 | 48  | 110 |    | 14   | 42.5 | 180  |     |     |     |     |    |     |                     | 355 | 380 | 280 | 455  | 700                | 775  | 825  |
| 180L              |                      |             |                            | 279   |     |     |     |     |    |      |      |      |     |     |     |     |    |     |                     |     |     |     | 740  | 815                | 875  |      |
| 200L              | FF350                |             | 318                        | 159   | 305 | 133 | 55  |     |    | 16   | 49   | 200  | 350 | 300 | 400 |     |    |     |                     | 395 | 420 | 305 | 505  | 770                | 850  | 900  |
| 225S              | FF400                | 4、8         |                            |       | 286 |     | 60  | 140 | 18 | 53   |      | 19   |     |     |     |     |    |     |                     |     |     |     |      | 815                | 885  | 1000 |
| 225M              |                      | 2           | 356                        | 178   |     | 149 | 55  | 110 | 16 | 49   | 225  |      | 400 | 350 | 450 |     |    |     |                     | 435 | 470 | 335 | 560  | 820                | 915  | 1000 |
|                   |                      | 4、6、8       |                            |       | 311 |     |     |     |    |      |      |      |     |     |     |     | 0  | 19  | 5                   |     |     |     |      | 845                |      | 1030 |
| 250M              | FF500                | 2           | 406                        | 203   | 349 | 168 |     |     |    | 18   |      | 250  |     |     |     |     |    |     |                     | 490 | 510 | 370 | 615  | 910                | 980  |      |
|                   |                      | 4、6、8       |                            |       |     |     | 65  |     |    |      | 58   |      |     |     |     |     |    |     |                     |     |     |     |      |                    |      |      |
| 280S              |                      | 2           |                            |       | 368 |     | 140 |     | 20 | 67.5 |      | 24   | 500 | 450 | 550 |     |    |     |                     |     |     |     |      | 985                | 1085 |      |
|                   |                      | 4、6、8       | 457                        | 228.5 |     | 190 |     |     | 75 |      |      |      |     |     |     |     |    |     |                     |     | 550 | 580 | 410  | 680                |      |      |
| 280M              | FF600                | 2           |                            |       | 419 |     |     |     |    | 18   | 58   |      |     |     |     |     |    |     |                     |     |     |     |      | 1035               | 1135 |      |
|                   |                      | 4、6、8       |                            |       |     |     | 75  |     |    |      | 20   | 67.5 |     |     |     |     |    |     |                     |     |     |     |      |                    |      |      |
| 315S              |                      | 2           |                            |       | 406 |     | 65  |     | 18 | 58   |      |      |     |     |     |     |    |     | 8                   |     |     |     |      | 1178               | 1285 | /    |
|                   |                      | 4、6、8、10    |                            |       |     |     | 80  | 170 | 22 | 71   |      |      |     |     |     |     |    |     |                     |     |     |     |      | 1208               |      |      |
| 315M              | FF600                | 2           | 508                        | 254   | 457 | 216 |     |     | 65 | 140  | 18   | 58   | 315 | 600 | 550 | 660 |    |     |                     | 635 | 645 | 490 | 800  | 1290               |      |      |
|                   |                      | 4、6、8、10    |                            |       |     |     | 80  | 170 | 22 | 71   |      |      |     |     |     |     |    |     |                     |     |     |     | 1320 | 1395               |      |      |
| 315L              |                      | 2           |                            |       | 508 |     | 65  | 140 | 18 | 58   |      | 28   |     |     |     |     |    |     |                     |     |     |     |      | 1290               |      |      |
|                   | FF740                | 4、6、8、10    |                            |       |     |     | 80  | 170 | 22 | 71   |      |      |     |     |     |     |    |     |                     |     |     |     |      | 1320               |      |      |
| 355M              |                      | 2           |                            |       | 560 |     | 75  | 140 | 20 | 67.5 |      |      |     |     |     |     |    |     |                     |     |     |     |      | 1500               |      |      |
|                   |                      | 4、6、8、10    | 610                        | 305   |     | 254 |     |     | 95 | 170  | 25   | 86   |     |     |     |     |    |     |                     | 730 | 710 | 530 | 880  | 1530               | /    |      |
| 355L              |                      | 2           |                            |       | 630 |     | 75  | 140 | 20 | 67.5 |      | 355  | 740 | 680 | 800 |     |    |     |                     |     |     |     |      | 1500               |      |      |
|                   |                      | 4、6、8、10    |                            |       |     |     | 95  | 170 | 25 | 86   |      |      |     |     |     |     |    |     |                     |     |     |     |      | 1530               |      |      |

## 附录 III - YX3、YE3、YD2、YEJ2、YVF2系列电动机外形及安装尺寸

Appendix III-YX3, YE3, YD2, YEJ2, YVF2 series motor shapes and installation dimensions

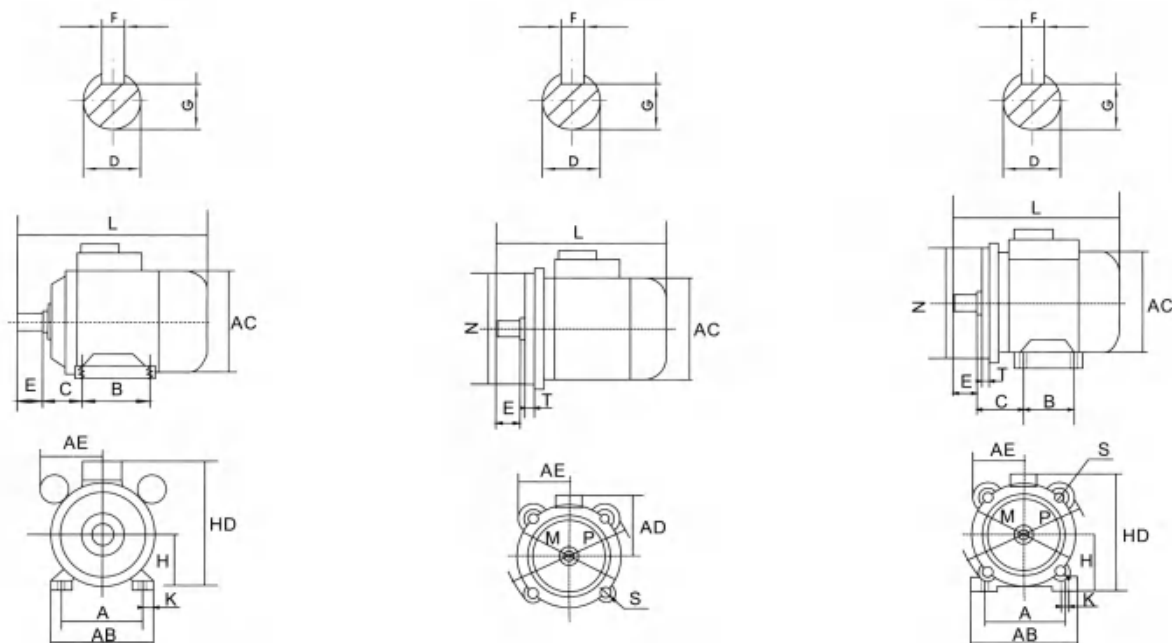


单位: mm

| 机座号<br>Frame size | 凸缘号<br>Flange size | 极数<br>Poles | 安 装 尺 寸 Fixing Measurement |     |      |      |       |     |     |   |     |     |                      | 外 形 尺 寸 Figure size |     |     |                       |      |      |
|-------------------|--------------------|-------------|----------------------------|-----|------|------|-------|-----|-----|---|-----|-----|----------------------|---------------------|-----|-----|-----------------------|------|------|
|                   |                    |             | D                          | E   | F    | G    | M     | N   | P   | R | S   | T   | 凸缘孔数<br>Flange holes | AC                  | AD  | HD  | L                     |      |      |
|                   |                    |             |                            |     |      |      |       |     |     |   |     |     |                      |                     |     |     | YE2, YX3,<br>YE3, YD2 | YVF2 | YEJ2 |
| 63M               | FF115              | 2、4         | 11                         | 23  | 4    | 8.5  | 115   | 95  | 140 |   | 10  | 3   |                      | 130                 | 70  | 130 | 230                   | /    | /    |
| 71M               | FF130              | 2、4、6       | 14                         | 30  | 5    | 11   | 130   | 110 | 160 |   |     |     |                      | 145                 | 80  | 145 | 255                   |      |      |
| 80M               | FF165              | 2、4、6、8     | 19                         | 40  | 6    | 15.5 | 165   | 130 | 200 | 0 | 12  | 3.5 | 4                    | 175                 | 145 | 185 | 295                   | 370  | 390  |
| 90S               |                    |             | 24                         | 50  | 8    | 20   |       |     |     |   |     |     |                      | 195                 | 155 | 195 | 320                   | 380  | 420  |
| 90L               |                    |             |                            |     |      |      |       |     |     |   |     |     |                      | 345                 | 410 | 445 |                       |      |      |
| 100L              | FF215              |             | 28                         | 60  | 24   | 215  | 180   | 250 | 15  |   | 4   | 215 |                      | 180                 | 245 | 385 | 465                   | 480  |      |
| 112M              |                    |             |                            |     |      |      |       |     |     |   |     | 240 |                      | 190                 | 265 | 400 | 480                   | 570  |      |
| 132S              | FF265              |             | 38                         | 80  | 10   | 33   | 265   | 230 | 300 |   | 275 | 210 |                      | 315                 | 470 | 530 | 585                   |      |      |
| 132M              |                    |             |                            |     |      |      |       |     |     |   |     |     |                      |                     | 510 | 570 | 625                   |      |      |
| 160M              | FF300              |             | 42                         | 110 | 12   | 37   | 300   | 250 | 350 |   | 330 | 255 | 385                  | 615                 | 660 | 720 |                       |      |      |
| 160L              |                    |             |                            |     |      |      |       |     |     |   |     |     |                      | 670                 | 715 | 765 |                       |      |      |
| 180M              |                    |             | 48                         |     | 14   | 42.5 |       |     |     |   | 380 | 280 | 430                  | 700                 | 775 | 825 |                       |      |      |
| 180L              |                    |             |                            |     |      |      |       |     |     |   |     |     |                      | 740                 | 815 | 875 |                       |      |      |
| 200L              | FF350              |             | 55                         |     | 16   | 49   | 350   | 300 | 400 |   | 420 | 305 | 480                  | 770                 | 850 | 900 |                       |      |      |
| 225S              | FF400              | 4、8         | 60                         | 140 | 18   | 53   | 400   | 350 | 450 |   | 19  | 5   | 8                    | 470                 | 335 | 535 | 815                   | 880  | 1000 |
| 225M              |                    | 2           | 55                         | 110 | 16   | 49   |       |     |     |   |     |     |                      |                     |     |     | 820                   | 915  | 1000 |
|                   |                    | 4、6、8       | 60                         | 18  | 53   | 58   |       |     |     |   |     |     |                      |                     |     |     | 845                   |      | 1030 |
| 250M              | 2                  | 65          |                            |     |      |      | 58    | 500 | 450 |   |     |     |                      | 550                 | 510 | 370 | 595                   | 910  | 980  |
|                   | 4、6、8              |             |                            |     |      |      |       |     |     |   |     |     |                      |                     |     |     |                       |      |      |
| 280S              | 2                  |             | 75                         | 20  | 67.5 | 580  |       |     |     |   |     |     |                      |                     | 410 | 650 | 985                   | 1085 |      |
|                   |                    |             |                            |     |      |      |       |     |     |   |     |     |                      |                     |     |     | 4、6、8                 |      |      |
| 280M              | 2                  | 65          | 18                         | 58  | 1035 | 1135 |       |     |     |   |     |     |                      |                     |     |     |                       |      |      |
|                   |                    |             |                            |     |      |      | 4、6、8 | 75  | 20  |   |     |     | 67.5                 |                     |     |     |                       |      |      |

## 附录 VI - YL系列单相双值电容异步电动机

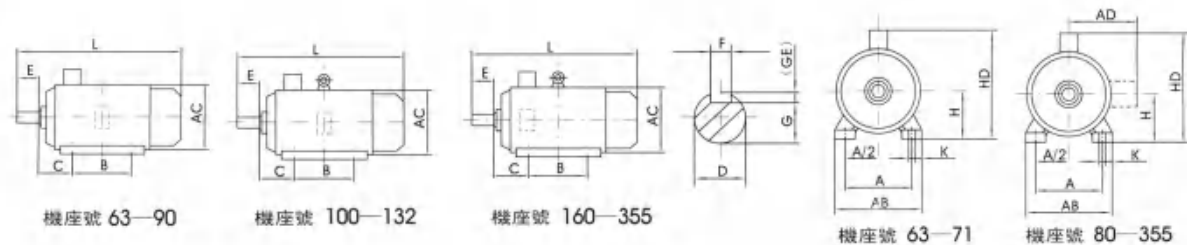
Appendix VI-YL series single-phase dual-value Capacitor Induction Motors



单位: mm

| 机座号<br>Frame size | 安 装 尺 寸 Fixing Measurement |     |    |    |    |    |      |     |    |             |    |     |   |    |     |            |     |     |   |    | 外 形 尺 寸 Figure size |     |     |     |     |     |     |
|-------------------|----------------------------|-----|----|----|----|----|------|-----|----|-------------|----|-----|---|----|-----|------------|-----|-----|---|----|---------------------|-----|-----|-----|-----|-----|-----|
|                   |                            |     |    |    |    |    |      |     |    | IMB14.IMB34 |    |     |   |    |     | IMB5.IMB35 |     |     |   |    |                     |     |     |     |     |     |     |
|                   | A                          | B   | C  | D  | E  | F  | G    | H   | K  | M           | N  | P   | R | S  | T   | M          | N   | P   | R | S  | T                   | AB  | AC  | AD  | AE  | HD  | L   |
| 71                | 112                        | 90  | 45 | 14 | 30 | 5  | 11   | 71  | 7  | 85          | 70 | 1.5 | 0 | M6 | 2.5 | -          | -   | -   | - | -  | -                   | 145 | 145 | 140 | 105 | 180 | 255 |
| 80                | 125                        | 100 | 50 | 19 | 40 | 6  | 15.5 | 80  | 10 | 100         | 80 | 120 | 0 | M6 | 2.5 | -          | -   | -   | - | -  | -                   | 160 | 165 | 150 | 120 | 200 | 295 |
| 90S               | 140                        | 100 | 56 | 24 | 50 | 8  | 20   | 90  | 10 | 115         | 95 | 140 | 0 | M8 | 3   | -          | -   | -   | - | -  | -                   | 180 | 185 | 160 | 130 | 240 | 370 |
| 90L               | 140                        | 125 | 56 | 24 | 50 | 8  | 20   | 90  | 10 | 115         | 95 | 140 | 0 | M8 | 3   | -          | -   | -   | - | -  | -                   | 180 | 185 | 160 | 130 | 240 | 400 |
| 100L              | 160                        | 140 | 63 | 28 | 60 | 8  | 24   | 100 | 12 | -           | -  | -   | - | -  | -   | 215        | 180 | 250 | 0 | 15 | 4                   | 205 | 220 | 180 | 130 | 260 | 430 |
| 112M              | 190                        | 140 | 70 | 28 | 60 | 8  | 24   | 112 | 12 | -           | -  | -   | - | -  | -   | 215        | 180 | 250 | 0 | 15 | 4                   | 245 | 250 | 190 | 140 | 300 | 455 |
| 132S              | 216                        | 140 | 89 | 38 | 60 | 10 | 33   | 132 | 12 | -           | -  | -   | - | -  | -   | 215        | 180 | 250 | 0 | 15 | 4                   | 280 | 290 | 210 | 155 | 300 | 525 |

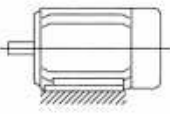
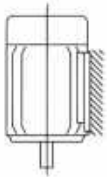
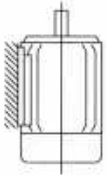
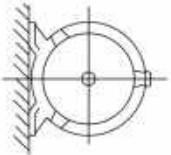
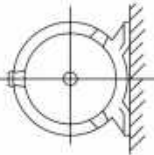
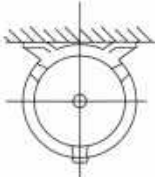
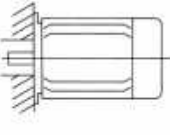
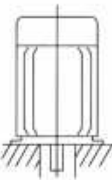
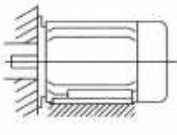
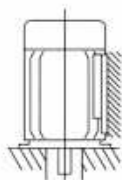
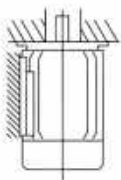
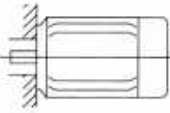
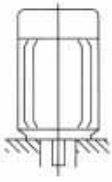
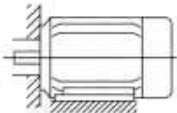
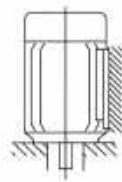
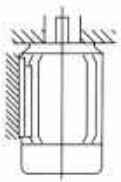
## 附录 I- YX3、YE3、YD2、YEJ2、YVF2系列电动机外形及安装尺寸



单位: mm

| 机座号<br>Frame size | 极数<br>Poles | 安 装 尺 寸 Fixing Measurement |       |     |     |     |     |      |      |     |     | 外 形 尺 寸 Figure size |     |     |     |                       |      |      |      |
|-------------------|-------------|----------------------------|-------|-----|-----|-----|-----|------|------|-----|-----|---------------------|-----|-----|-----|-----------------------|------|------|------|
|                   |             | A                          | A/2   | B   | C   | D   | E   | F    | G    | H   | K   | AB                  | AC  | AD  | HD  | L                     |      |      |      |
|                   |             |                            |       |     |     |     |     |      |      |     |     |                     |     |     |     | YE2, YX3,<br>YE3, YD2 | YVF2 | YEJ2 |      |
| 63M               | 2、4         | 100                        | 50    | 80  | 40  | 11  | 23  | 4    | 8.5  | 63  | 7   | 135                 | 130 | 70  | 180 | 230                   | /    | /    |      |
| 71M               | 2、4、6       | 112                        | 56    | 90  | 45  | 14  | 30  | 5    | 11   | 71  |     | 150                 | 145 | 80  | 195 | 255                   |      |      |      |
| 80M               |             | 125                        | 62.5  | 100 | 50  | 19  | 40  | 6    | 15.5 | 80  | 10  | 165                 | 175 | 145 | 220 | 295                   | 370  | 390  |      |
| 90S               | 2.4、6、8     | 140                        | 70    | 100 | 56  | 24  | 50  | 8    | 20   | 90  |     | 180                 | 195 | 155 | 250 | 320                   | 380  | 420  |      |
| 90L               |             |                            |       | 125 |     |     |     |      |      |     |     |                     |     |     |     | 345                   | 410  | 445  |      |
| 100L              |             | 160                        | 80    | 140 | 63  | 28  | 60  |      | 24   | 100 | 112 | 205                 | 215 | 180 | 270 | 385                   | 465  | 480  |      |
| 112M              |             | 190                        | 95    | 140 | 70  |     |     | 230  |      |     |     |                     |     |     |     | 240                   | 190  | 300  | 400  |
| 132S              |             | 216                        | 108   | 140 | 89  | 38  | 80  | 10   | 33   | 132 | 12  | 270                 | 275 | 210 | 345 | 470                   | 530  | 585  |      |
| 132M              |             |                            |       | 178 |     |     |     |      |      |     |     |                     |     |     |     | 510                   | 570  | 625  |      |
| 160M              |             | 254                        | 127   | 210 | 108 | 42  | 110 | 12   | 37   | 160 | 15  | 320                 | 330 | 255 | 420 | 615                   | 660  | 720  |      |
| 160L              |             |                            |       | 254 |     |     |     |      |      |     |     |                     |     |     |     | 670                   | 715  | 765  |      |
| 180M              |             | 279                        | 139.5 | 241 | 121 | 48  |     | 14   | 42.5 | 180 |     | 355                 | 380 | 280 | 455 | 700                   | 775  | 825  |      |
| 180L              |             |                            |       | 279 |     |     | 740 |      |      |     | 815 |                     |     |     |     | 875                   |      |      |      |
| 200L              | 318         | 159                        | 305   | 133 | 55  | 16  | 49  | 200  | 19   | 395 | 420 | 305                 | 505 | 770 | 850 | 900                   |      |      |      |
| 225S              | 4、8         | 356                        | 178   | 286 | 149 | 60  | 140 | 18   |      | 53  | 225 | 435                 | 470 | 335 | 560 | 815                   | 885  | 1000 |      |
| 225M              | 2           |                            |       | 311 |     | 55  | 110 | 16   |      | 49  |     |                     |     |     |     | 820                   | 915  | 1000 |      |
|                   | 4、6、8       | 406                        | 203   | 349 | 168 | 60  | 140 | 18   | 53   | 250 | 24  | 490                 | 510 | 370 | 615 | 845                   | 915  | 1030 |      |
| 250M              | 2           |                            |       |     |     | 65  |     |      |      |     |     |                     |     |     |     | 910                   | 980  |      |      |
| 280S              | 2           | 457                        | 228.5 | 368 | 190 | 140 | 20  | 67.5 | 280  | 28  |     | 550                 | 580 | 410 | 680 | 985                   | 1085 | /    |      |
|                   | 4、6、8       |                            |       | 419 |     |     |     |      |      |     | 75  |                     |     |     |     | 1035                  | 1135 |      |      |
| 280M              | 2           |                            |       |     |     |     |     |      |      |     | 65  |                     |     |     |     | 1178                  | 1380 |      |      |
|                   | 4、6、8       |                            |       |     |     |     |     |      |      |     | 80  |                     |     |     |     | 1208                  | 1395 |      |      |
| 315S              | 2           | 508                        | 254   | 406 | 216 | 65  | 140 | 18   | 58   | 315 | 28  | 635                 | 645 | 490 | 800 | 1290                  | /    | /    |      |
|                   | 4、6、8、10    |                            |       |     |     | 508 |     | 80   | 170  |     |     |                     |     |     |     | 22                    |      |      | 71   |
| 315M              | 2           |                            |       | 65  |     |     |     | 140  | 18   |     |     |                     |     |     |     | 58                    |      |      | 1290 |
|                   | 4、6、8、10    |                            |       | 80  |     |     |     | 170  | 22   |     |     |                     |     |     |     | 71                    |      |      | 1320 |
| 315L              | 2           | 610                        | 305   | 508 | 254 | 65  | 140 | 18   | 58   | 355 | 28  | 730                 | 710 | 530 | 880 | 1500                  | /    | /    |      |
|                   | 4、6、8、10    |                            |       |     |     | 630 |     | 75   | 140  |     |     |                     |     |     |     | 20                    |      |      | 67.5 |
| 355M              | 2           |                            |       | 95  |     |     |     | 170  | 25   |     |     |                     |     |     |     | 86                    |      |      | 1500 |
|                   | 4、6、8、10    |                            |       | 75  |     |     |     | 140  | 20   |     |     |                     |     |     |     | 67.5                  |      |      | 1530 |
| 355L              | 2           | 610                        | 305   | 630 | 254 | 95  | 170 | 25   | 86   | 355 | 28  | 730                 | 710 | 530 | 880 | 1500                  | /    | /    |      |
|                   | 4、6、8、10    |                            |       |     |     | 95  | 170 | 25   | 86   |     |     |                     |     |     |     | 1530                  |      |      |      |

国家电工委员会 IEC 60034-7 标准规定的电机安装方式  
Mounting arrangements according to IEC 60034-7 standard

| 电机安装方式<br>Mounting arrangements | 机座带底脚，端盖上无凸缘的电动机<br>Feet mounting without Flange                                    |                                                                                     |                                                                                     |                                                                                      |                                                                                       |                                                                                       |
|---------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|                                 | B3(IM1001)                                                                          | V5(IM1011)                                                                          | V6(IM1031)                                                                          | B6(IM1051)                                                                           | B7(IM1061)                                                                            | B8(IM1071)                                                                            |
| 制造范围<br>Range                   | H63~H355                                                                            | H63~H160                                                                            | H63~H160                                                                            | H63~H160                                                                             | H63~H160                                                                              | H63~H160                                                                              |
| 示意图<br>Diagram                  |    |    |    |    |    |    |
| 电机安装方式<br>Mounting arrangements | 机座不带底脚，端盖上有大凸缘的电动机<br>Large flange mounting without feet                            |                                                                                     |                                                                                     | 机座带底脚，端盖上有大凸缘的电动机<br>Large flange and mounting                                       |                                                                                       |                                                                                       |
|                                 | B5(IM3001)                                                                          | V1(IM3011)                                                                          | V3(IM3031)                                                                          | B35(IM2001)                                                                          | V15(IM2011)                                                                           | V36(IM2031)                                                                           |
| 制造范围<br>Range                   |                                                                                     |                                                                                     |                                                                                     |                                                                                      |                                                                                       |                                                                                       |
| 示意图<br>Diagram                  |  |  |  |  |  |  |
| 电机安装方式<br>Mounting arrangements | 机座不带底脚，端盖上有小凸缘的电动机<br>Small flange mounting without feet                            |                                                                                     |                                                                                     | 机座带底脚，端盖上有小凸缘的电动机<br>Small flange and feet mounting                                  |                                                                                       |                                                                                       |
|                                 | B14(IM3601)                                                                         | V18(IM3611)                                                                         | V19(IM3631)                                                                         | B34(IM2101)                                                                          | V58(IM2111)                                                                           | V69(IM2131)                                                                           |
| 制造范围<br>Range                   |                                                                                     |                                                                                     |                                                                                     |                                                                                      |                                                                                       |                                                                                       |
| 示意图<br>Diagram                  |  |  |  |  |  |  |

## 电机常见故障及排除方法 Frequent malfunctions and solutions

| 故 障                                           | 可能的原因                                                                         | 检查或校正方法                                                         |
|-----------------------------------------------|-------------------------------------------------------------------------------|-----------------------------------------------------------------|
| 1. 電動機空載時不能啟動                                 | 1. 饋電路斷線 (三相當中的一根)<br>2. 定子三相繞組中的一相斷路 ("Y"形連接時)<br>3. 電源電壓或頻率不對               | 檢查電源電壓和個別連接處。<br>檢查保險絲，饋電線內電流和每一相繞組的電阻。<br>檢查電壓及頻率。             |
| 2. 電動機在負載時不能啟動，在低負載或空載時能啟動，但在負載增加後轉速即大跌或甚至停下來 | 1. 電源電壓低<br>2. 定子繞組有匝間短路<br>3. 定子三相繞組中異相斷線 ("Δ"接線法時)<br>4. 過載                 | 檢查線路電壓。<br>檢查每相繞組和每相空載電流。<br>檢查每相繞組電阻。<br>檢查負載。                 |
| 3. 電機停留在低轉速                                   | 1. 定子繞組一相接反，電動機發響聲<br>2. 轉子端環和導杆中間有斷裂情況                                       | 檢查饋電線的電流和引出線標記。<br>檢查短路電流。                                      |
| 4. 定子過熱                                       | 1. 饋電線路三根中有一根斷線或定子繞組一相斷路<br>2. 電源電壓過大或過低<br>3. 過載<br>4. 定子匝間或相同短路<br>5. 通風不好  | 檢查保險絲，繞組電壓和導線電流。<br>檢查饋電線內的電流，檢查定子相間和對地絕緣電阻。<br>檢查繞組電阻，檢查通風孔道。  |
| 5. 軸承過熱                                       | 1. 裝配不對<br>2. 電動機軸與被拖動之軸不平行<br>3. 沒有潤滑油，油內有雜物或油質不良<br>4. 皮帶過緊<br>5. 不平衡的磁性吸力大 | 檢查轉子是否容易轉動。<br>校正兩軸平衡。<br>用汽車洗刷更換潤滑油。<br>松皮帶或移動底腳。<br>檢查空氣隙偏心率。 |
| 6. 合閘時保險設備跳閘                                  | 1. 定子繞組一相接反<br>2. 把應當接成 "Y" 形的定子三相繞組接成 "Δ" 形<br>3. 繞組對機座短路或相間短路               | 檢查引出線標記和接法。<br>檢查引出線標記和接法。<br>檢查各相繞組對機座的絕緣以及相同絕緣。               |
| 7. 機械振動大                                      | 1. 轉子不平衡只在相當低的轉數時才不振動<br>2. 軸向竄動大<br>3. 傳動皮帶接頭接得不好<br>4. 皮帶輪不平衡               | 檢查平衡情況。<br>檢查軸承外的間隙，並加以調整。<br>重新接皮帶。<br>檢查皮帶輪。                  |

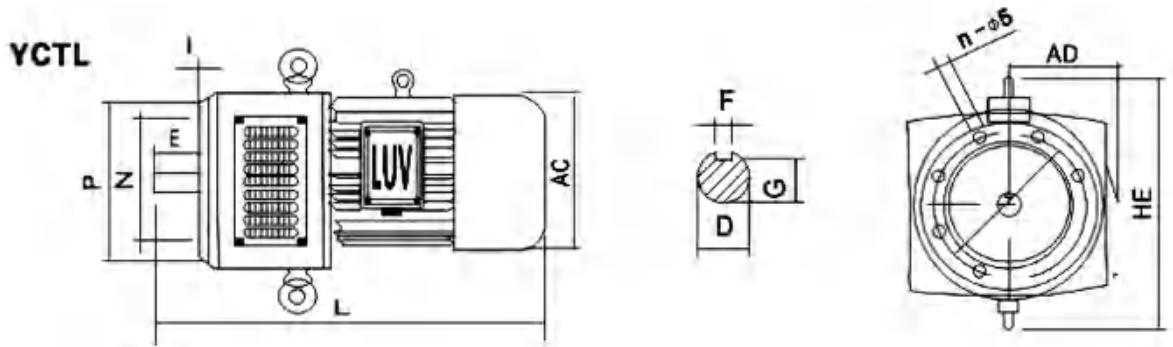
注：電動機的故障及產生的故障的原因很多，有時一個故障可能有幾個原因，一個原因也可以產生幾種故障，上表所列僅為常見的幾種，在檢查如發生疑問可參閱有關檢修維護書或與製造廠聯系。

| Stoppage                                                                                                                    | Possible reasons                                                                                                                                                                                                                                                                              | Check or calibration methods                                                                                                                                                                                           |
|-----------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. No-load motor can't start                                                                                                | <ol style="list-style-type: none"> <li>1. Circuit broken wires (one of the three is the root)</li> <li>2. When the child three-phase winding of the a phase breakers ("Y" type of connection)</li> <li>3. The power supply voltage and frequency is wrong</li> </ol>                          | <p>Check the power supply voltage or individual connection.<br/>Check the fuse, feeders of current and each phase of the winding resistance.<br/>Check voltage and frequency</p>                                       |
| 2. Motor load in cannot begin at low load or no-load to start when, but in load increase speed that are even stop to plunge | <ol style="list-style-type: none"> <li>1. The low voltage power supply</li> <li>2. The group turns around the son between short circuit</li> <li>3. The stator three-phase winding out-of-phase break line ("Δ" then method)</li> <li>4. Overload</li> </ol>                                  | <p>Check the line voltage;<br/>Check each phase windings and each phase no-load current;<br/>Check each phase winding resistance;<br/>Check the load</p>                                                               |
| 3. Motor stay in low rotation speed                                                                                         | <ol style="list-style-type: none"> <li>1. A connect the stator winding, motor hair crosstalk</li> <li>2. The rotor ring and guide bar among fracture</li> </ol>                                                                                                                               | <p>Check feeders current and lead wire mark;<br/>Check short-circuit current</p>                                                                                                                                       |
| 4. Stator overheating                                                                                                       | <ol style="list-style-type: none"> <li>1. Feeders three roots there was a break or stator winding a phase open circuit</li> <li>2. The power supply voltage too big or too low</li> <li>3. overload</li> <li>4. Same stator circle or short circuit</li> <li>5. And ventilated bad</li> </ol> | <p>Check the fuse, line voltage and current between wire;<br/>Check the current in a feeders,<br/>Check the stator alternate with and ground insulation resistance;<br/>Check the winding resistance and stable wa</p> |
| 5. Bearing overheating                                                                                                      | <ol style="list-style-type: none"> <li>1. The assembly wrong</li> <li>2. The motor shaft and the dragging is not parallel axis</li> <li>3. No lubricating oil, oil impurities or oily bad there</li> <li>4. Belts tight</li> <li>5. Don't balance of magnetic big suction</li> </ol>          | <p>Check whether the rotor to turn;<br/>Correction two axis balance;<br/>Use the car wash oil changing;<br/>The belt or loose move feet;<br/>Check the air gap eccentric degrees</p>                                   |
| 6. When feeder insurance facilities trip                                                                                    | <ol style="list-style-type: none"> <li>1. A connect the stator winding</li> <li>2. Put a "Y" shall meet type stator windings to become "Δ" Δ</li> <li>3. Winding base to short circuit or alternate with short circuit</li> </ol>                                                             | <p>Check mark and lead wire by law,<br/>Check mark and lead wire by law;<br/>Check the phase windings of the insulation and the same base of insulation</p>                                                            |
| 7. Mechanical vibration                                                                                                     | <ol style="list-style-type: none"> <li>1. Relet not only in balance quite a low speed don't vibration</li> <li>2. the axial moving there</li> <li>3. transmission belt joint answered the bad</li> <li>4. pulley is not even</li> </ol>                                                       | <p>Check the balance situation;<br/>Check the clearance of bearing, and to make adjustments.<br/>To meet the belt;<br/>Check the pulley</p>                                                                            |

**Note:** There are many reasons for the malfunctions, sometimes there might be several reasons for one problem, sometimes one reason might cause several problems. These listed in the table are just those frequent appeared, please don't hesitate to contact us while in need.

ELECTRIC  
MOTOR

| 型 号<br>Type | 安 装 尺 寸 Installation dimensions |     |    |     |     |     |     |      |     | 外形尺寸 External dimensions |      |     |     |     |     |
|-------------|---------------------------------|-----|----|-----|-----|-----|-----|------|-----|--------------------------|------|-----|-----|-----|-----|
|             | A                               | WB  | WC | E   | H   | D   | F   | G    | K   | AB                       | AC   | AD  | HD  | L   |     |
| YCT112-4A   | 190                             | 210 | 40 | 40  | 112 | 19  | 6   | 15.5 | 12  | 240                      | 260  | 150 | 280 | 520 |     |
| YCT112-4B   |                                 |     |    | 216 | 241 | 50  | 132 | 24   |     | 8                        | 20   | 285 | 310 | 165 | 330 |
| YCT132-4A   | 254                             | 267 |    |     |     |     |     |      |     |                          |      |     |     |     |     |
| YCT132-4B   |                                 |     |    | 279 | 305 | 180 | 19  | 365  |     |                          | 385  | 195 | 430 | 700 |     |
| YCT160-4A   | 318                             | 356 | 50 |     |     |     |     |      | 80  |                          |      |     |     |     | 200 |
| YCT160-4B   |                                 |     |    | 356 | 406 | 56  |     | 110  |     | 225                      | 42   | 12  | 37  | 465 |     |
| YCT180-4A   | 406                             | 457 | 63 |     |     |     |     |      | 250 |                          |      |     |     |     | 48  |
| YCT200-4A   |                                 |     |    | 457 | 508 | 70  | 280 | 55   |     | 16                       | 49   | 575 | 595 | 320 |     |
| YCT200-4B   | 508                             | 560 | 89 |     |     |     |     |      | 315 |                          |      |     |     |     | 60  |
| YCT225-4A   |                                 |     |    | 406 | 457 | 63  | 250 | 48   |     | 14                       | 42.5 | 520 | 540 | 295 |     |
| YCT225-4B   | 457                             | 508 | 70 |     |     |     |     |      | 280 |                          |      |     |     |     | 55  |
| YCT250-4A   |                                 |     |    | 508 | 560 | 89  | 315 | 60   |     | 18                       | 53   | 645 | 670 | 345 |     |
| YCT250-4B   | 406                             | 457 | 63 |     |     |     |     |      | 250 |                          |      |     |     |     | 48  |
| YCT280-4A   |                                 |     |    | 457 | 508 | 70  | 280 | 55   |     | 16                       | 49   | 575 | 595 | 320 |     |
| YCT315-4A   | 406                             | 457 | 63 |     |     |     |     |      | 250 |                          |      |     |     |     | 48  |
| YCT315-4B   |                                 |     |    | 457 | 508 | 70  | 280 | 55   |     | 16                       | 49   | 575 | 595 | 320 |     |
| YCT355-4A   | 508                             | 560 | 89 |     |     |     |     |      | 315 |                          |      |     |     |     | 60  |
| YCT355-4B   |                                 |     |    | 406 | 457 | 63  | 250 | 48   |     | 14                       | 42.5 | 520 | 540 | 295 |     |
| YCT355-4C   | 457                             | 508 | 70 |     |     |     |     |      | 280 |                          |      |     |     |     | 55  |
|             |                                 |     |    | 508 | 560 | 89  | 315 | 60   |     | 18                       | 53   | 645 | 670 | 345 |     |
|             | 406                             | 457 | 63 |     |     |     |     |      | 250 |                          |      |     |     |     | 48  |
|             |                                 |     |    | 457 | 508 | 70  | 280 | 55   |     | 16                       | 49   | 575 | 595 | 320 |     |
|             | 508                             | 560 | 89 |     |     |     |     |      | 315 |                          |      |     |     |     | 60  |
|             |                                 |     |    | 406 | 457 | 63  | 250 | 48   |     | 14                       | 42.5 | 520 | 540 | 295 |     |
|             | 457                             | 508 | 70 |     |     |     |     |      | 280 |                          |      |     |     |     | 55  |
|             |                                 |     |    | 508 | 560 | 89  | 315 | 60   |     | 18                       | 53   | 645 | 670 | 345 |     |
|             | 406                             | 457 | 63 |     |     |     |     |      | 250 |                          |      |     |     |     | 48  |
|             |                                 |     |    | 457 | 508 | 70  | 280 | 55   |     | 16                       | 49   | 575 | 595 | 320 |     |
|             | 508                             | 560 | 89 |     |     |     |     |      | 315 |                          |      |     |     |     | 60  |
|             |                                 |     |    | 406 | 457 | 63  | 250 | 48   |     | 14                       | 42.5 | 520 | 540 | 295 |     |
|             | 457                             | 508 | 70 |     |     |     |     |      | 280 |                          |      |     |     |     | 55  |
|             |                                 |     |    | 508 | 560 | 89  | 315 | 60   |     | 18                       | 53   | 645 | 670 | 345 |     |
|             | 406                             | 457 | 63 |     |     |     |     |      | 250 |                          |      |     |     |     | 48  |
|             |                                 |     |    | 457 | 508 | 70  | 280 | 55   |     | 16                       | 49   | 575 | 595 | 320 |     |
|             | 508                             | 560 | 89 |     |     |     |     |      | 315 |                          |      |     |     |     | 60  |
|             |                                 |     |    | 406 | 457 | 63  | 250 | 48   |     | 14                       | 42.5 | 520 | 540 | 295 |     |
|             | 457                             | 508 | 70 |     |     |     |     |      | 280 |                          |      |     |     |     | 55  |
|             |                                 |     |    | 508 | 560 | 89  | 315 | 60   |     | 18                       | 53   | 645 | 670 | 345 |     |
|             | 406                             | 457 | 63 |     |     |     |     |      | 250 |                          |      |     |     |     | 48  |
|             |                                 |     |    | 457 | 508 | 70  | 280 | 55   |     | 16                       | 49   | 575 | 595 | 320 |     |
|             | 508                             | 560 | 89 |     |     |     |     |      | 315 |                          |      |     |     |     | 60  |
|             |                                 |     |    | 406 | 457 | 63  | 250 | 48   |     | 14                       | 42.5 | 520 | 540 | 295 |     |
|             | 457                             | 508 | 70 |     |     |     |     |      | 280 |                          |      |     |     |     | 55  |
|             |                                 |     |    | 508 | 560 | 89  | 315 | 60   |     | 18                       | 53   | 645 | 670 | 345 |     |
|             | 406                             | 457 | 63 |     |     |     |     |      | 250 |                          |      |     |     |     | 48  |
|             |                                 |     |    | 457 | 508 | 70  | 280 | 55   |     | 16                       | 49   | 575 | 595 | 320 |     |
|             | 508                             | 560 | 89 |     |     |     |     |      | 315 |                          |      |     |     |     | 60  |
|             |                                 |     |    | 406 | 457 | 63  | 250 | 48   |     | 14                       | 42.5 | 520 | 540 | 295 |     |
|             | 457                             | 508 | 70 |     |     |     |     |      | 280 |                          |      |     |     |     | 55  |
|             |                                 |     |    | 508 | 560 | 89  | 315 | 60   |     | 18                       | 53   | 645 | 670 | 345 |     |
|             | 406                             | 457 | 63 |     |     |     |     |      | 250 |                          |      |     |     |     | 48  |
|             |                                 |     |    | 457 | 508 | 70  | 280 | 55   |     | 16                       | 49   | 575 | 595 | 320 |     |
|             | 508                             | 560 | 89 |     |     |     |     |      | 315 |                          |      |     |     |     | 60  |
|             |                                 |     |    | 406 | 457 | 63  | 250 | 48   |     | 14                       | 42.5 | 520 | 540 | 295 |     |
|             | 457                             | 508 | 70 |     |     |     |     |      | 280 |                          |      |     |     |     | 55  |
|             |                                 |     |    | 508 | 560 | 89  | 315 | 60   |     | 18                       | 53   | 645 | 670 | 345 |     |
|             | 406                             | 457 | 63 |     |     |     |     |      | 250 |                          |      |     |     |     | 48  |
|             |                                 |     |    | 457 | 508 | 70  | 280 | 55   |     | 16                       | 49   | 575 | 595 | 320 |     |
|             | 508                             | 560 | 89 |     |     |     |     |      | 315 |                          |      |     |     |     | 60  |
|             |                                 |     |    | 406 | 457 | 63  | 250 | 48   |     | 14                       | 42.5 | 520 | 540 | 295 |     |
|             | 457                             | 508 | 70 |     |     |     |     |      | 280 |                          |      |     |     |     | 55  |
|             |                                 |     |    | 508 | 560 | 89  | 315 | 60   |     | 18                       | 53   | 645 | 670 | 345 |     |
|             | 406                             | 457 | 63 |     |     |     |     |      | 250 |                          |      |     |     |     | 48  |
|             |                                 |     |    | 457 | 508 | 70  | 280 | 55   |     | 16                       | 49   | 575 | 595 | 320 |     |
|             | 508                             | 560 | 89 |     |     |     |     |      | 315 |                          |      |     |     |     | 60  |
|             |                                 |     |    | 406 | 457 | 63  | 250 | 48   |     | 14                       | 42.5 | 520 | 540 | 295 |     |
|             | 457                             | 508 | 70 |     |     |     |     |      | 280 |                          |      |     |     |     | 55  |
|             |                                 |     |    | 508 | 560 | 89  | 315 | 60   |     | 18                       | 53   | 645 | 670 | 345 |     |
|             | 406                             | 457 | 63 |     |     |     |     |      | 250 |                          |      |     |     |     | 48  |
|             |                                 |     |    | 457 | 508 | 70  | 280 | 55   |     | 16                       | 49   | 575 | 595 | 320 |     |
|             | 508                             | 560 | 89 |     |     |     |     |      | 315 |                          |      |     |     |     | 60  |
|             |                                 |     |    | 406 | 457 | 63  | 250 | 48   |     | 14                       | 42.5 | 520 | 540 | 295 |     |
|             | 457                             | 508 | 70 |     |     |     |     |      | 280 |                          |      |     |     |     | 55  |
|             |                                 |     |    | 508 | 560 | 89  | 315 | 60   |     | 18                       | 53   | 645 | 670 | 345 |     |
|             | 406                             | 457 | 63 |     |     |     |     |      | 250 |                          |      |     |     |     | 48  |
|             |                                 |     |    | 457 | 508 | 70  | 280 | 55   |     | 16                       | 49   | 575 | 595 | 320 |     |
|             | 508                             | 560 | 89 |     |     |     |     |      | 315 |                          |      |     |     |     | 60  |
|             |                                 |     |    | 406 | 457 | 63  | 250 | 48   |     | 14                       | 42.5 | 520 | 540 | 295 |     |
|             | 457                             | 508 | 70 |     |     |     |     |      | 280 |                          |      |     |     |     | 55  |
|             |                                 |     |    | 508 | 560 | 89  | 315 | 60   |     | 18                       | 53   | 645 | 670 | 345 |     |
|             | 406                             | 457 | 63 |     |     |     |     |      | 250 |                          |      |     |     |     | 48  |
|             |                                 |     |    | 457 | 508 | 70  | 280 | 55   |     | 16                       | 49   | 575 | 595 | 320 |     |
|             | 508                             | 560 | 89 |     |     |     |     |      | 315 |                          |      |     |     |     | 60  |
|             |                                 |     |    | 406 | 457 | 63  | 250 | 48   |     | 14                       | 42.5 | 520 | 540 | 295 |     |
|             | 457                             | 508 | 70 |     |     |     |     |      | 280 |                          |      |     |     |     | 55  |
|             |                                 |     |    | 508 | 560 | 89  | 315 | 60   |     | 18                       | 53   | 645 | 670 | 345 |     |
|             | 406                             | 457 | 63 |     |     |     |     |      | 250 |                          |      |     |     |     | 48  |
|             |                                 |     |    | 457 | 508 | 70  | 280 | 55   |     | 16                       | 49   | 575 | 595 | 320 |     |
|             |                                 |     |    |     |     |     |     |      |     |                          |      |     |     |     |     |



| 型号<br>Type | 安 装 尺 寸 Installation dimensions |     |    |      |     |     |     |   |    |   | 外形尺寸 External dimensions |     |     |      |
|------------|---------------------------------|-----|----|------|-----|-----|-----|---|----|---|--------------------------|-----|-----|------|
|            | D                               | E   | F  | G    | M   | N   | P   | n | S  | T | AC/2                     | AD  | HD  | L    |
| YCT112-4A  | 19                              | 40  | 6  | 15.5 | 215 | 180 | 250 | 4 | 15 | 4 | 125                      | 150 | 333 | 515  |
| YCT112-4B  |                                 |     |    | 20   |     |     |     |   |    |   | 142                      | 155 | 391 | 580  |
| YCT132-4A  | 24                              | 50  | 8  | 24   | 265 | 230 | 300 | 6 | 19 | 5 | 165                      | 185 | 445 | 620  |
| YCT132-4B  |                                 |     |    | 24   |     |     |     |   |    |   | 180                      | 190 | 485 | 665  |
| YCT160-4A  | 28                              | 60  | 10 | 33   | 300 | 250 | 350 | 6 | 19 | 5 | 205                      | 210 | 530 | 670  |
| YCT160-4B  |                                 |     |    |      |     |     |     |   |    |   | 225                      | 255 | 582 | 970  |
| YCT180-4A  | 38                              | 80  | 40 | 37   | 350 | 300 | 400 | 8 | 19 | 5 | 250                      | 285 | 642 | 1015 |
| YCT200-4A  |                                 |     |    |      |     |     |     |   |    |   | 286                      | 320 | 740 | 1130 |
| YCT200-4B  | 42                              | 110 | 12 | 42.5 | 400 | 350 | 450 | 8 | 19 | 5 | 286                      | 320 | 740 | 1170 |
| YCT225-4A  |                                 |     |    |      |     |     |     |   |    |   | 286                      | 320 | 740 | 1270 |
| YCT225-4B  | 48                              | 110 | 14 | 49   | 450 | 400 | 500 | 8 | 19 | 5 | 286                      | 320 | 740 | 1270 |
| YCT250-4A  |                                 |     |    |      |     |     |     |   |    |   | 286                      | 320 | 740 | 1270 |
| YCT250-4B  | 55                              | 110 | 16 | 49   | 450 | 400 | 500 | 8 | 19 | 5 | 286                      | 320 | 740 | 1270 |
| YCT280-4A  |                                 |     |    |      |     |     |     |   |    |   | 286                      | 320 | 740 | 1270 |