

# Высоковольтные промышленные насосные электродвигатели УКК

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## High Voltage Industrial Pump Motor

High voltage industrial pump motor is the "heart" of process industries, and their reliability directly affects production safety and energy efficiency. This series 3.3KV,6KV,10KV motors are the power source for key equipment in industries such as petroleum, chemical, power, and metallurgy. Their design needs to meet strict working conditions such as high pressure, high flow, and continuous operation.

### Description

### Technical Parameters

## Brief Introduction

This series motor, its efficiency indicators can meet level 3 energy efficiency, i.e. IE3, and also can meet **level 4 energy efficiency**, i.e. IE4, which are specified in Chinese standard GB 755 and in international standard IEC 60034.

high voltage industrial pump motor, typically rated at 6kV, 10kV, and above, are manufactured in accordance with a series of national standards (GB), industry standards (JB), and International Electrotechnical Commission (IEC) standards, covering design, performance, safety, energy efficiency, and other aspects.

## The basic general standards are as follows

### 1. GB/T 755-2019

Quota and Performance of Rotating Electrical Machinery - Basic Performance Requirements, Working System (S1~S10), Temperature Rise Limit (such as F-class Insulation  $\leq 105K$ ) of the motor.

-Equivalent to IEC 60034-1

### 2. GB/T 997-2008

Rotating Electrical Machinery Structure and Installation Type (IM Code)

-Specify the installation method of the motor (such as IM B3 foot installation, IM B5 flange installation).

### 3. GB 1971-2006

Terminal Marking and Rotation Direction of Rotating Electrical Machines

-Unified terminal identification (U/V/W) and definition of rotation direction.

# Testing and Inspection Standards

## 1. GB/T 1029-2021

Test Methods for Three phase Synchronous Motors

-The testing process for no-load, short circuit, temperature rise, efficiency, etc. of synchronous motors.

## 2. GB/T 1032-2021

Test Methods for Three phase Asynchronous Motors,like high voltage industrial pump motor

-Efficiency testing methods such as input-output method and loss separation method for asynchronous motors.

## 3. GB/T 22719.1-2019

Interturn insulation test for loose embedded windings of AC low-voltage motors

-Interturn withstand voltage test (impulse voltage method)

Domestic high-voltage motor manufacturing must strictly follow the above standards, with a focus on:

1. Energy Efficiency (GB 30254)

Insulation (JB/T 7593)

Vibration (GB/T 10068);

2. Special industries (such as petroleum and nuclear power) require the addition of industry standards;

3. Export products must comply with international standards such as IEC or API.

Production enterprises need to pass type tests (such as temperature rise, pressure resistance, vibration) and regular factory audits to ensure compliance.



| Frame size | External fan  |  | Inner fan  |
|------------|---|--|--|
|            | 4 poles and above                                     | 2 poles  |  |
| 355        | Basin type centrifugal fan,<br>bidirectional rotation | Propeller centrifugal fan,<br>unidirectional rotation,<br>please note when<br>ordering | Radial centrifugal fan<br>bidirectional rotation |
| 400        |   |  |  |
| 450        |   |  |  |
| 500        |   |  |  |
| 560        |   |  |  |

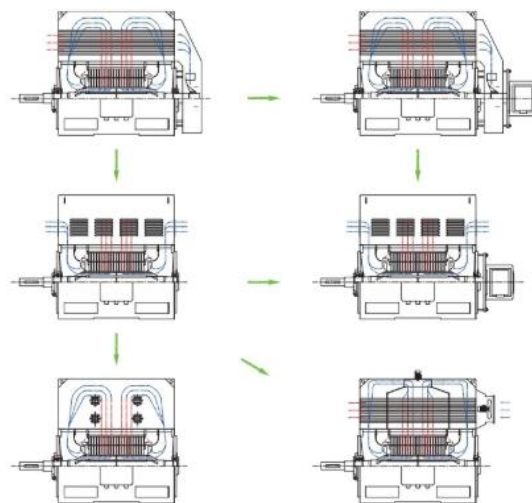
**Electrical Performance Tolerance**

| Electrical performance | Tolerance                             |
|------------------------|---------------------------------------|
| Efficiency             | -10%*(1-n)                            |
| Power factor           | : $-1/6(1-\cos\phi)$ ,最小绝对值(min)为0.02 |
| Slip ratio             | ±20%                                  |
| Locked rotor torque    | -15%                                  |
| Pull-up torque         | -15%                                  |
| Breakdown torque       | -10%                                  |
| Locked rotor current   | 20%                                   |
| Moment of inertia      | ±10%                                  |

**Specifications of YKK Series High Voltage Motor,6KV**

| Model     | 100% Load  |             |               |          |            | Ist | Tst | Tmax. | Moment of inertia (kg · m <sup>2</sup> ) |      | Weight (kg) |
|-----------|------------|-------------|---------------|----------|------------|-----|-----|-------|--|------|-------------|
|           | Power (kW) | Current (A) | Speed (r/min) | Eff. (%) | P.F. cos.φ | In  | Tn  | Tn    | Motor                                    | Load |             |
| YKK3551-2 | 220        | 25.9        | 2975          | 94.0     | 0.87       | 6.4 | 1.4 | 3.1   | 2  | 48   | 2160        |
| YKK3552-2 | 250        | 29.1        | 2975          | 94.1     | 0.88       | 6.5 | 1.4 | 3.1   | 2  | 52   | 2240        |
| YKK3553-2 | 280        | 32.4        | 2975          | 94.4     | 0.88       | 6.8 | 1.5 | 3.2   | 2  | 63   | 2320        |
| YKK3554-2 | 315        | 36.4        | 2975          | 94.5     | 0.88       | 7.0 | 1.7 | 3.3   | 2  | 85   | 2600        |
| YKK4002-2 | 355        | 39.9        | 2979          | 94.1     | 0.91       | 6.3 | 1.0 | 3.1   | 4  | 55   | 2900        |
| YKK4003-2 | 400        | 45.8        | 2979          | 94.4     | 0.89       | 6.4 | 1.0 | 3.2   | 4  | 62   | 2980        |
| YKK4004-2 | 450        | 51.5        | 2979          | 94.5     | 0.89       | 6.3 | 1.1 | 3.2   | 5  | 78   | 3080        |
| YKK4005-2 | 500        | 56.5        | 2979          | 94.7     | 0.90       | 6.6 | 1.2 | 3.2   | 5  | 92   | 3180        |
| YKK4502-2 | 560        | 62.3        | 2978          | 95.1     | 0.91       | 5.2 | 1.0 | 2.5   | 8  | 86   | 3850        |
| YKK4503-2 | 630        | 70.7        | 2980          | 95.3     | 0.90       | 5.6 | 1.1 | 2.7   | 8  | 106  | 3980        |
| YKK4504-2 | 710        | 79.6        | 2980          | 95.4     | 0.90       | 5.8 | 1.1 | 2.8   | 9  | 112  | 4150        |
| YKK4505-2 | 800        | 89.5        | 2981          | 95.6     | 0.90       | 6.0 | 1.2 | 2.9   | 10                                       | 150  | 4390        |
| YKK5001-2 | 900        | 99.6        | 2983          | 95.6     | 0.91       | 6.7 | 1.0 | 3.3   | 12                                       | 126  | 6030        |

|           |      |       |      |      |      |     |     |     |    |     |       |
|-----------|------|-------|------|------|------|-----|-----|-----|----|-----|-------|
| YKK5002-2 | 1000 | 110.5 | 2983 | 95.7 | 0.91 | 7.0 | 1.1 | 3.4 | 12 | 157 | 6050  |
| YKK5003-2 | 1120 | 123.5 | 2983 | 95.9 | 0.91 | 6.9 | 1.1 | 3.4 | 13 | 176 | 6180  |
| YKK5004-2 | 1250 | 136.5 | 2983 | 96.0 | 0.92 | 6.9 | 1.1 | 3.3 | 14 | 197 | 6390  |
| YKK5601-2 | 1400 | 155.0 | 2980 | 95.4 | 0.91 | 6.0 | 1.7 | 2.8 | 26 | 369 | 7250  |
| YKK5602-2 | 1600 | 177.0 | 2980 | 95.6 | 0.91 | 5.3 | 1.5 | 2.5 | 26 | 375 | 7250  |
| YKK5603-2 | 1800 | 197.0 | 2980 | 95.7 | 0.92 | 5.4 | 1.5 | 2.6 | 28 | 386 | 7550  |
| YKK6301-2 | 2000 | 223.0 | 2984 | 95.8 | 0.90 | 4.5 | 1.1 | 2.3 | 29 | 366 | 9800  |
| YKK6302-2 | 2240 | 247.0 | 2984 | 96.0 | 0.91 | 4.4 | 1.1 | 2.2 | 33 | 345 | 10200 |
| YKK6303-2 | 2500 | 275.0 | 2984 | 96.2 | 0.91 | 4.7 | 1.2 | 2.3 | 36 | 425 | 10600 |
| YKK3551-4 | 185  | 22.3  | 1480 | 92.8 | 0.86 | 6.5 | 1.3 | 2.7 | 4  | 151 | 1980  |
| YKK3552-4 | 200  | 23.8  | 1480 | 92.9 | 0.87 | 6.1 | 1.2 | 2.5 | 4  | 150 | 1980  |
| YKK3553-4 | 220  | 26.1  | 1480 | 93.1 | 0.87 | 6.3 | 1.2 | 2.6 | 4  | 164 | 2040  |
| YKK3554-4 | 250  | 29.6  | 1480 | 93.5 | 0.87 | 6.5 | 1.3 | 2.6 | 5  | 203 | 2110  |
| YKK4002-4 | 280  | 33.2  | 1485 | 93.2 | 0.87 | 5.7 | 1.7 | 2.5 | 8  | 288 | 2660  |
| YKK4003-4 | 315  | 36.9  | 1485 | 93.4 | 0.88 | 5.6 | 1.8 | 2.4 | 8  | 343 | 2710  |
| YKK4004-4 | 355  | 41.5  | 1485 | 93.6 | 0.88 | 5.5 | 1.7 | 2.4 | 9  | 365 | 2790  |
| YKK4005-4 | 400  | 46.6  | 1485 | 93.9 | 0.88 | 5.5 | 1.8 | 2.3 | 10 | 437 | 2870  |



YKK-500-4-4/1000(B35)-IP55-右側出線-6kV/50Hz-□□□□□□

- 产品系列 Series
- 机座号 Frame size
- 铁芯长度 Iron core length
- 电机极数 Motor poles
- 电机功率 Motor power
- 安装方式 Construction and mounting type
- 防护等级 Protection degree
- 出线方式 Location of terminal box
- 标准配置：右侧出线（从轴伸端看）  
Standard configuration: on the right side
- 电压等级及频率 Voltage and frequency
- 旋转方向 Rotation direction 标准配置：顺时针旋转（从轴伸端看）  
Standard configuration: clockwise (from shaft extension)
- 其他客户需要的特殊订制要求 Other customer special requirements
- 外观颜色和包装要求 Color and packaging

Specifications of YKK Series High Voltage Motor,6KV

| Model     | 100% Load  |             |               |          |            | Ist | Tst | Tmax. | Moment of inertia (kg · m <sup>2</sup> ) |      | Weight (kg) |
|-----------|------------|-------------|---------------|----------|------------|-----|-----|-------|--|------|-------------|
|           | Power (kW) | Current (A) | Speed (r/min) | Eff. (%) | P.F. cos.φ | In  | Tn  | Tn    | Motor                                    | Load |             |
| YKK5603-4 | 1600       | 179.3       | 1491          | 95.4     | 0.90       | 7.0 | 1.8 | 2.9   | 66                                       | 1706 | 6900        |
| YKK6301-4 | 1800       | 200.0       | 1489          | 95.5     | 0.91       | 6.2 | 1.3 | 2.6   | 85                                       | 1366 | 9300        |
| YKK6302-4 | 2000       | 221.0       | 1489          | 95.7     | 0.91       | 6.0 | 1.3 | 2.5   | 92                                       | 1521 | 9700        |
| YKK6303-4 | 2240       | 248.0       | 1489          | 95.89    | 0.91       | 6.6 | 1.4 | 2.7   | 100                                      | 1845 | 10200       |
| YKK4001-6 | 185        | 22.5        | 990           | 2.9      | 0.85       | 6.1 | 1.5 | 2.6   | 10                                       | 378  | 2710        |
| YKK4002-6 | 200        | 24.1        | 990           | 92.9     | 0.86       | 5.7 | 1.4 | 2.4   | 10                                       | 381  | 2710        |
| YKK4003-6 | 220        | 26.7        | 990           | 93.2     | 0.85       | 6.2 | 1.6 | 2.6   | 10                                       | 481  | 2770        |
| YKK4004-6 | 250        | 29.9        | 990           | 93.4     | 0.86       | 5.9 | 1.6 | 2.5   | 11                                       | 547  | 2840        |
| YKK4005-6 | 280        | 33.5        | 990           | 93.6     | 0.86       | 5.8 | 1.5 | 2.4   | 12                                       | 574  | 2920        |
| YKK4006-6 | 315        | 37.1        | 990           | 93.9     | 0.87       | 5.7 | 1.5 | 2.3   | 13                                       | 646  | 3010        |
| YKK4502-6 | 355        | 42.4        | 990           | 93.7     | 0.86       | 5.8 | 1.3 | 2.5   | 18                                       | 626  | 3700        |
| YKK4503-6 | 400        | 47.7        | 990           | 93.9     | 0.86       | 5.9 | 1.3 | 2.5   | 19                                       | 706  | 3800        |
| YKK4504-6 | 450        | 53.5        | 990           | 94.2     | 0.86       | 6.0 | 1.4 | 2.6   | 21                                       | 875  | 3900        |
| YKK4505-6 | 500        | 59.3        | 990           | 94.4     | 0.86       | 6.3 | 1.5 | 2.7   | 23                                       | 1071 | 4000        |
| YKK5001-6 | 560        | 64.7        | 991           | 94.7     | 0.88       | 5.4 | 1.2 | 2.4   | 29                                       | 907  | 4550        |
| YKK5002-6 | 630        | 72.6        | 991           | 94.9     | 0.88       | 5.6 | 1.2 | 2.4   | 32                                       | 1021 | 4750        |
| YKK5003-6 | 710        | 81.7        | 991           | 95.0     | 0.88       | 5.8 | 1.3 | 2.5   | 35                                       | 1250 | 4950        |
| YKK5004-6 | 800        | 92.0        | 991           | 95.1     | 0.88       | 6.1 | 1.4 | 2.6   | 40                                       | 1520 | 5250        |
| YKK5601-6 | 900        | 102.3       | 990           | 95.1     | 0.89       | 5.9 | 1.1 | 2.6   | 65                                       | 1317 | 6250        |
| YKK5602-6 | 1000       | 114.9       | 990           | 95.2     | 0.88       | 6.1 | 1.2 | 2.5   | 65                                       | 1610 | 6250        |
| YKK5603-6 | 1120       | 128.5       | 990           | 95.3     | 0.88       | 5.9 | 1.2 | 2.5   | 71                                       | 1805 | 6220        |
| YKK6301-6 | 1250       | 142.8       | 991           | 95.7     | 0.88       | 5.9 | 1.3 | 2.4   | 94                                       | 2169 | 8900        |
| YKK6302-6 | 1400       | 159.8       | 991           | 95.8     | 0.88       | 5.9 | 1.3 | 2.4   | 102                                      | 2433 | 9300        |
| YKK6303-6 | 1600       | 180.4       | 991           | 95.9     | 0.89       | 5.9 | 1.4 | 2.3   | 112                                      | 3008 | 9700        |
| YKK4004-8 | 185        | 24.5        | 742           | 93.0     | 0.78       | 5.0 | 1.5 | 2.3   | 11                                       | 678  | 2720        |
| YKK4005-8 | 200        | 26.2        | 742           | 93.1     | 0.79       | 4.8 | 1.5 | 2.2   | 12                                       | 733  | 2800        |
| YKK4006-8 | 220        | 29.4        | 742           | 93.4     | 0.77       | 5.3 | 1.7 | 2.4   | 13                                       | 916  | 2880        |
| YKK4502-8 | 250        | 32.2        | 744           | 93.5     | 0.80       | 5.8 | 1.5 | 2.5   | 19                                       | 937  | 3860        |
| YKK4503-8 | 280        | 35.9        | 744           | 93.7     | 0.80       | 5.7 | 1.5 | 2.4   | 19                                       | 1041 | 3860        |
| YKK4504-8 | 315        | 40.3        | 744           | 94.0     | 0.80       | 5.7 | 1.5 | 2.4   | 21                                       | 1171 | 3960        |
| YKK4505-8 | 355        | 44.8        | 744           | 94.2     | 0.81       | 5.7 | 1.5 | 2.4   | 23                                       | 1315 | 4060        |

Specifications of YKK Series High Voltage Motor,6KV

| Model      | 100% Load  |             |               |          |            | Ist | Tst | Tmax. | Moment of inertia (kg · m <sup>2</sup> ) |      | Weight (kg) |
|------------|------------|-------------|---------------|----------|------------|-----|-----|-------|--|------|-------------|
|            | Power (kW) | Current (A) | Speed (r/min) | Eff. (%) | P.F. cos.φ | In  | Tn  | Tn    | Motor                                    | Load |             |
| YKK6304-8  | 1250       | 148.0       | 742           | 95.6     | 0.85       | 5.9 | 1.6 | 2.3   | 150                                      | 4819 | 9600        |
| YKK4501-10 | 185        | 24.6        | 595           | 92.9     | 0.78       | 5.0 | 1.1 | 2.4   | 22                                       | 785  | 3570        |
| YKK4502-10 | 200        | 27.3        | 595           | 93.0     | 0.76       | 5.2 | 1.2 | 2.6   | 22                                       | 930  | 3570        |
| YKK4503-10 | 220        | 29.5        | 595           | 93.3     | 0.77       | 5.1 | 1.2 | 2.4   | 24                                       | 1025 | 3670        |
| YKK4504-10 | 250        | 33.5        | 595           | 93.4     | 0.77       | 4.8 | 1.2 | 2.4   | 26                                       | 1141 | 3770        |
| YKK4505-10 | 280        | 37.0        | 595           | 93.6     | 0.78       | 4.8 | 1.1 | 2.3   | 29                                       | 1222 | 3870        |
| YKK5001-10 | 315        | 40.6        | 592           | 93.3     | 0.80       | 4.5 | 0.8 | 2.1   | 38                                       | 1068 | 4780        |
| YKK5002-10 | 355        | 45.7        | 592           | 93.4     | 0.80       | 4.5 | 0.9 | 2.1   | 38                                       | 1209 | 4780        |
| YKK5003-10 | 400        | 51.5        | 592           | 93.5     | 0.80       | 4.5 | 0.9 | 2.1   | 42                                       | 1363 | 4950        |
| YKK5004-10 | 450        | 57.7        | 592           | 93.8     | 0.80       | 4.7 | 0.9 | 2.1   | 45                                       | 1711 | 5000        |
| YKK5601-10 | 500        | 64.7        | 590           | 94.1     | 0.79       | 4.8 | 1.3 | 2.4   | 74                                       | 2480 | 6260        |
| YKK5602-10 | 560        | 69.7        | 590           | 94.3     | 0.82       | 4.7 | 1.2 | 2.2   | 82                                       | 2559 | 6470        |
| YKK5603-10 | 630        | 79.3        | 590           | 94.4     | 0.81       | 4.7 | 1.3 | 2.3   | 82                                       | 3136 | 6470        |
| YKK5604-10 | 710        | 88.3        | 590           | 94.4     | 0.82       | 4.2 | 1.1 | 2.0   | 91                                       | 2978 | 6680        |
| YKK6301-10 | 800        | 99.9        | 590           | 95.1     | 0.81       | 4.9 | 1.0 | 2.3   | 110                                      | 3034 | 8180        |
| YKK6302-10 | 900        | 110.8       | 590           | 95.3     | 0.82       | 5.0 | 1.0 | 2.2   | 119                                      | 3417 | 8480        |
| YKK6303-10 | 1000       | 123.0       | 590           | 95.4     | 0.82       | 4.9 | 1.0 | 2.2   | 129                                      | 3800 | 8780        |
| YKK6304-10 | 1120       | 136.0       | 590           | 95.5     | 0.83       | 4.8 | 1.0 | 2.1   | 136                                      | 4265 | 9180        |
| YKK4504-12 | 185        | 26.4        | 495           | 92.7     | 0.73       | 4.1 | 1.0 | 2.1   | 29                                       | 1111 | 3850        |
| YKK4505-12 | 200        | 29.0        | 495           | 92.9     | 0.72       | 4.3 | 1.1 | 2.2   | 29                                       | 1238 | 3850        |
| YKK5001-12 | 220        | 31.0        | 494           | 92.5     | 0.74       | 4.8 | 1.0 | 2.3   | 39                                       | 1199 | 4730        |
| YKK5002-12 | 250        | 35.1        | 494           | 92.7     | 0.74       | 4.7 | 1.0 | 2.2   | 39                                       | 1368 | 4730        |
| YKK5003-12 | 280        | 38.6        | 494           | 93.0     | 0.75       | 4.6 | 1.0 | 2.2   | 43                                       | 1533 | 4880        |
| YKK5004-12 | 315        | 43.4        | 494           | 93.2     | 0.75       | 4.6 | 1.0 | 2.1   | 46                                       | 1727 | 5030        |
| YKK5601-12 | 355        | 46.1        | 495           | 93.9     | 0.79       | 3.8 | 1.0 | 2.0   | 74                                       | 1908 | 6240        |
| YKK5602-12 | 400        | 53.2        | 495           | 94.0     | 0.77       | 4.1 | 1.1 | 2.1   | 74                                       | 2382 | 6240        |
| YKK5603-12 | 450        | 59.0        | 495           | 94.1     | 0.78       | 4.0 | 1.1 | 2.0   | 83                                       | 2680 | 6450        |
| YKK5604-12 | 500        | 65.4        | 495           | 94.3     | 0.78       | 4.1 | 1.1 | 2.0   | 91                                       | 2979 | 6660        |
| YKK6301-12 | 560        | 72.0        | 495           | 94.8     | 0.79       | 4.4 | 0.9 | 2.1   | 119                                      | 2695 | 8450        |
| YKK6302-12 | 630        | 81.9        | 495           | 94.9     | 0.78       | 4.4 | 0.9 | 2.1   | 119                                      | 3046 | 8550        |

**Specifications of YKK Series High Voltage Motor,6KV**

| Model    | 100% Load  |             |               |          |            | Ist | Tst | Tmax. | Moment of inertia (kg · m <sup>2</sup> ) |      | Weight (kg) |
|----------|------------|-------------|---------------|----------|------------|-----|-----|-------|--|------|-------------|
|          | Power (kW) | Current (A) | Speed (r/min) | Eff. (%) | P.F. cos.φ |     |     |       | In                                       | Tn   |             |
| YKK710-4 | 2500       | 274         | 1489          | 96.6     | 0.91       | 6.5 | 0.5 | 1.8   | 165                                      | 606  | 12600       |
|          | 2800       | 303         | 1489          | 96.6     | 0.92       | 6.5 | 0.5 | 1.8   | 180                                      | 684  | 13400       |
|          | 3150       | 341         | 1489          | 96.7     | 0.92       | 6.5 | 0.5 | 1.8   | 200                                      | 772  | 14200       |
|          | 3550       | 384         | 1489          | 96.7     | 0.92       | 6.5 | 0.5 | 1.8   | 210                                      | 885  | 15000       |
| YKK800-4 | 4000       | 452         | 1485          | 96.7     | 0.88       | 6.5 | 0.5 | 1.8   | 270                                      | 971  | 21000       |
|          | 4500       | 509         | 1485          | 96.7     | 0.88       | 6.5 | 0.5 | 1.8   | 290                                      | 1106 | 22000       |
|          | 5000       | 558         | 1485          | 96.8     | 0.89       | 6.5 | 0.5 | 1.8   | 315                                      | 1236 | 23000       |
| YKK900-4 | 5600       | 627         | 1489          | 96.5     | 0.89       | 6.5 | 0.5 | 1.8   | 440                                      | 1287 | 25000       |
|          | 6300       | 706         | 1489          | 96.5     | 0.89       | 6.5 | 0.5 | 1.8   | 480                                      | 1463 | 26000       |
|          | 7100       | 795         | 1489          | 96.6     | 0.89       | 6.5 | 0.5 | 1.8   | 500                                      | 1690 | 27000       |
| YKK710-6 | 1800       | 200         | 992           | 96.2     | 0.90       | 6.5 | 0.8 | 1.8   | 230                                      | 1772 | 12600       |
|          | 2000       | 222         | 992           | 96.4     | 0.90       | 6.5 | 0.8 | 1.8   | 250                                      | 1974 | 13400       |
|          | 2240       | 248         | 992           | 96.5     | 0.90       | 6.5 | 0.8 | 1.8   | 260                                      | 2231 | 14200       |
|          | 2500       | 277         | 993           | 96.5     | 0.90       | 6.5 | 0.8 | 1.8   | 275                                      | 2499 | 15000       |
| YKK800-6 | 2800       | 326         | 991           | 96.2     | 0.86       | 6.5 | 0.8 | 1.8   | 345                                      | 2775 | 21000       |
|          | 3150       | 366         | 992           | 96.3     | 0.86       | 6.5 | 0.8 | 1.8   | 410                                      | 3093 | 22000       |
|          | 3550       | 407         | 992           | 96.4     | 0.87       | 6.5 | 0.8 | 1.8   | 430                                      | 3518 | 23000       |

| Frame No. | Poles | Installation Dimensions |      |     |     |     |    |     |     |    | External Dimensions |     |      |      |
|-----------|-------|-------------------------|------|-----|-----|-----|----|-----|-----|----|---------------------|-----|------|------|
|           |       | A                       | B    | C   | D   | E   | F  | G   | H   | K  | AC                  | AD  | HD   | L    |
| 355       | 2     | 630                     | 900  | 315 | 80  | 170 | 22 | 71  | 355 | 28 | 1000                | 745 | 1070 | 1700 |
|           | 4~6   |                         |      |     | 100 | 210 | 28 | 90  |     |    |                     | 715 | 1100 | 1800 |
| 400       | 2     | 710                     | 1000 | 375 | 90  | 170 | 25 | 81  | 400 | 35 | 1100                | 795 | 1200 | 1890 |
|           | 4~8   |                         |      | 335 | 110 | 210 | 28 | 100 |     |    |                     | 765 | 1200 | 1890 |
| 450       | 2     | 800                     | 1120 | 400 | 100 | 210 | 28 | 90  | 450 | 35 | 1200                | 835 | 1350 | 2030 |
|           | 4     |                         |      | 355 | 120 | 210 | 32 | 109 |     |    |                     | 815 | 1350 | 2030 |
|           | 6~12  |                         |      | 355 | 130 | 250 | 32 | 119 |     |    |                     | 815 | 1350 | 2070 |
| 500       | 2     | 900                     | 1250 | 560 | 110 | 210 | 28 | 100 | 500 | 42 | 1320                | 935 | 1520 | 2560 |
|           | 4     |                         |      | 475 | 130 | 250 | 32 | 119 |     |    |                     | 880 | 1500 | 2300 |
|           | 6~12  |                         |      | 475 | 140 | 250 | 36 | 128 |     |    |                     | 880 | 1500 | 2300 |
| 560       | 2     | 1000                    | 1400 | 560 | 130 | 250 | 32 | 119 | 560 |    | 1500                | 900 | 1830 | 2900 |

|     |      |      |      |     |     |     |    |     |     |    |      |     |      |      |
|-----|------|------|------|-----|-----|-----|----|-----|-----|----|------|-----|------|------|
|     | 4    |      |      | 500 | 150 | 250 | 36 | 138 |     |    |      | 900 | 1840 | 2430 |
|     | 6~12 |      |      | 500 | 160 | 300 | 40 | 147 |     |    |      | 900 | 1840 | 2430 |
| 630 | 2    | 1120 | 1600 | 560 | 140 | 250 | 36 | 128 | 630 | 48 | 1640 | 935 | 2000 | 3180 |
|     | 4    |      |      | 530 | 170 | 300 | 40 | 157 |     |    |      | 935 | 2000 | 2750 |
|     | 6~12 |      |      | 530 | 180 | 300 | 45 | 165 |     |    |      | 935 | 2000 | 2750 |

## Technical Specifications

|   |                                       |
|---|---------------------------------------|
| Three-phase, 50/60 Hz                                 |                                       |
| Voltage   | 380~11000 V                           |
| Rated output  | up to 12500 kW                        |
| Number of poles                                       | 2,4,6,8,10,12                         |
| Frame size  | 350~1000mm                            |
| Cast aluminium squirrel cage for rotor                |                                       |
| Degree of protection                                  | IP54/IP55(Totally enclosed)           |
| Continuous Duty                                       | S1                                    |
| Cooling   | IC611/CACA                            |
| Continuous Duty                                       | S1                                    |
| Insulation  | F with class (120°C) temperature rise |
| Continuous Duty                                       | S1                                    |
| With thermal protection PT100(3-wire)                 |                                       |
| Roller bearings for maximum load capacity             |                                       |
| Other optional features under requests from customers |                                       |

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