

# BK

## SERIES SINGLE-PHASE CAPACITOR RUN ASYNCHRONOUS MOTORS

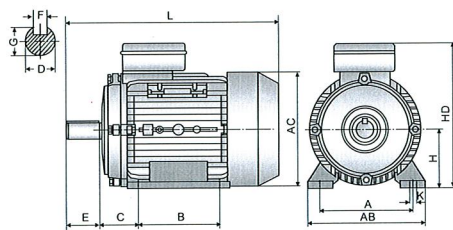
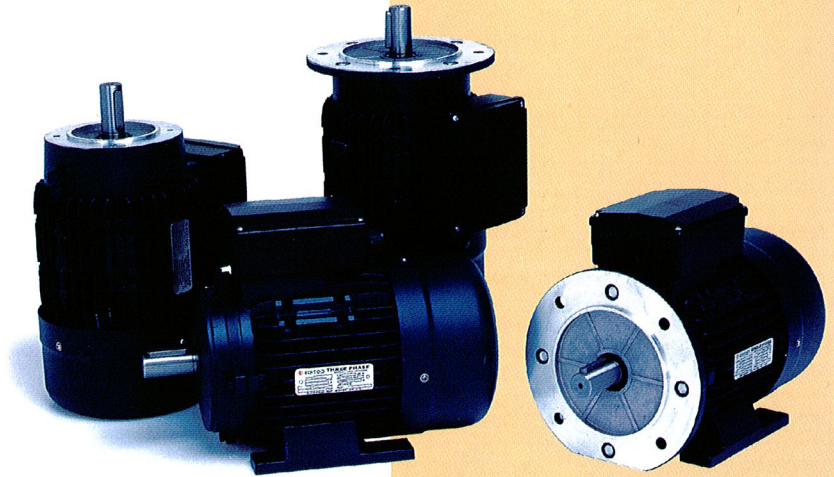
### ALUMINUM HOUSING

MY Series aluminum housing single-phase capacitor-run asynchronous motors, with latest design in entirety, are made of selected quality materials and conform to the IEC standard.

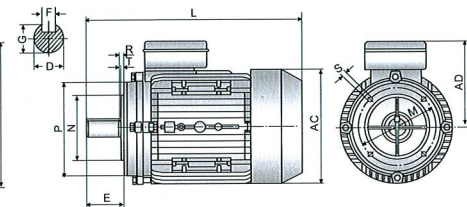
MY motors have good performance, safety and reliable operation, nice appearance, and can be maintained very conveniently, while with low noises, little vibration and at the same time of light weight and simple construction.

The multiple of starting torque is 0.3-0.7.

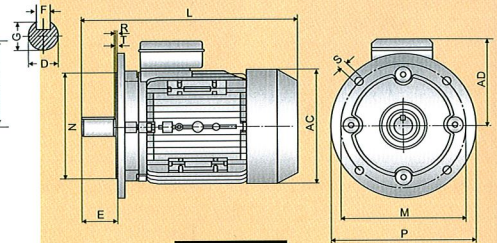
These series motors are suitable for the occasion where there requirement of starting torque is low and long-term continuous working, such as home electric appliances, pumps, fans and recording meters, etc.



**IMB3**



**IMB14**



**IMB5**

### Overall & Installation Dimensions

| Frame Size | Mounting Dimensions(mm) |     |    |    |    |   |      |    |    |     |      |     |   |    |     |     |     |     |   | Overall Dimensions(mm) |     |     |     |     |     |     |
|------------|-------------------------|-----|----|----|----|---|------|----|----|-----|------|-----|---|----|-----|-----|-----|-----|---|------------------------|-----|-----|-----|-----|-----|-----|
|            | IMB14                   |     |    |    |    |   |      |    |    |     | IMB5 |     |   |    |     |     |     |     |   |                        |     |     |     |     |     |     |
|            | A                       | B   | C  | D  | E  | F | G    | H  | K  | M   | N    | P   | R | S  | T   | M   | N   | P   | R | S                      | T   | AB  | AC  | AD  | HD  | L   |
| 63         | 100                     | 80  | 40 | 11 | 23 | 4 | 8.5  | 63 | 7  | 75  | 60   | 90  | 0 | M5 | 2.5 | 115 | 95  | 140 | 0 | 10                     | 3.0 | 130 | 130 | 115 | 185 | 230 |
| 71         | 112                     | 90  | 45 | 14 | 30 | 5 | 11   | 71 | 7  | 85  | 70   | 105 | 0 | M6 | 2.5 | 130 | 110 | 160 | 0 | 10                     | 3.5 | 145 | 145 | 125 | 205 | 255 |
| 80         | 125                     | 100 | 50 | 19 | 40 | 6 | 15.5 | 80 | 10 | 100 | 80   | 120 | 0 | M6 | 3.0 | 165 | 130 | 200 | 0 | 12                     | 3.5 | 160 | 165 | 135 | 235 | 295 |
| 90S        | 140                     | 100 | 56 | 24 | 50 | 8 | 20   | 90 | 10 | 115 | 95   | 140 | 0 | M8 | 3.0 | 165 | 130 | 200 | 0 | 12                     | 3.5 | 180 | 185 | 145 | 265 | 335 |
| 90L        | 140                     | 125 | 56 | 24 | 50 | 8 | 20   | 90 | 10 | 115 | 95   | 140 | 0 | M8 | 3.0 | 165 | 130 | 200 | 0 | 12                     | 3.5 | 180 | 185 | 145 | 265 | 360 |

### TECHNICAL DATA

| Model   | Power (KW) | Voltage (V) | Current (A) | Speed (r/min) | Eff (%) | Power factor | Tstart/Tn (Time) | Tmax/Tn (Time) | Starting A. (A) | Run Capacitor (uf/v) |
|---------|------------|-------------|-------------|---------------|---------|--------------|------------------|----------------|-----------------|----------------------|
| MY631-2 | 0.18       | 220         | 1.48        | 2800          | 60      | 0.92         | 0.4              | 1.7            | 5               | 8uf/450V             |
| MY632-2 | 0.25       | 220         | 1.96        | 2800          | 63      | 0.92         | 0.4              | 1.7            | 7               | 12uf/450V            |
| MY711-2 | 0.37       | 220         | 2.73        | 2800          | 67      | 0.92         | 0.35             | 1.7            | 10              | 16uf/450V            |
| MY712-2 | 0.55       | 220         | 3.88        | 2800          | 70      | 0.92         | 0.35             | 1.7            | 15              | 20uf/450V            |
| MY801-2 | 0.75       | 220         | 5.15        | 2800          | 72      | 0.92         | 0.33             | 1.7            | 20              | 25uf/450V            |
| MY802-2 | 1.10       | 220         | 7.02        | 2800          | 75      | 0.95         | 0.33             | 1.7            | 30              | 30uf/450V            |
| MY90S-2 | 1.50       | 220         | 9.44        | 2800          | 76      | 0.95         | 0.3              | 1.7            | 45              | 40uf/450V            |
| MY90L-2 | 2.20       | 220         | 13.67       | 2800          | 77      | 0.95         | 0.3              | 1.7            | 65              | 60uf/450V            |
| MY631-4 | 0.12       | 220         | 1.10        | 1400          | 55      | 0.90         | 0.4              | 1.7            | 3.5             | 8uf/450V             |
| MY632-4 | 0.18       | 220         | 1.62        | 1400          | 56      | 0.90         | 0.4              | 1.7            | 5               | 10uf/450V            |
| MY711-4 | 0.25       | 220         | 2.02        | 1400          | 61      | 0.92         | 0.35             | 1.7            | 7               | 10uf/450V            |
| MY712-4 | 0.37       | 220         | 2.95        | 1400          | 62      | 0.92         | 0.35             | 1.7            | 10              | 14uf/450V            |
| MY801-4 | 0.55       | 220         | 4.25        | 1400          | 64      | 0.92         | 0.35             | 1.7            | 15              | 20uf/450V            |
| MY802-4 | 0.75       | 220         | 5.45        | 1400          | 68      | 0.92         | 0.32             | 1.7            | 20              | 25uf/450V            |
| MY90S-4 | 1.10       | 220         | 7.45        | 1400          | 71      | 0.95         | 0.32             | 1.7            | 30              | 30uf/450V            |
| MY90L-4 | 1.50       | 220         | 9.83        | 1400          | 73      | 0.95         | 0.3              | 1.7            | 45              | 40uf/450V            |