

# SMOOTH POWER FOR EVERY APPLICATION

High Performance Electric Motors for Modern  
Industrial Applications.



Energy  
Efficient Design



100% Copper  
Winding



Low Noise  
& Vibration



Long Life &  
Durable



Heavy Duty  
Performance



Advanced  
Testing Lab



Frame Sizes Available

63 to 250M





# ABOUT BHAVANI INDUCTION MOTORS

Serving since 2000 with 20+ years of experience” (more strong impact) “Cost-Effective Motor Solutions”. With years of engineering expertise and advanced manufacturing processes, we provide efficient, durable, and cost-effective motor solutions for a wide range of industries. Our motors are designed to deliver high reliability, energy efficiency, and long service life, making them ideal for demanding industrial environments. We continuously focus on innovation, quality improvement, and customer satisfaction to meet the evolving needs of modern industries.



**Director**  
Mr. Sunil Brahmabhatt

## OUR VISION

To become a globally recognized manufacturer of high-efficiency electric motors by delivering innovative technology, reliable products, and exceptional customer service.

## OUR MISION

- High performance
- Energy efficient
- Long life
- Precision design
- Best pricing
- Custom solutions
- Strong support
- Quick Delivery

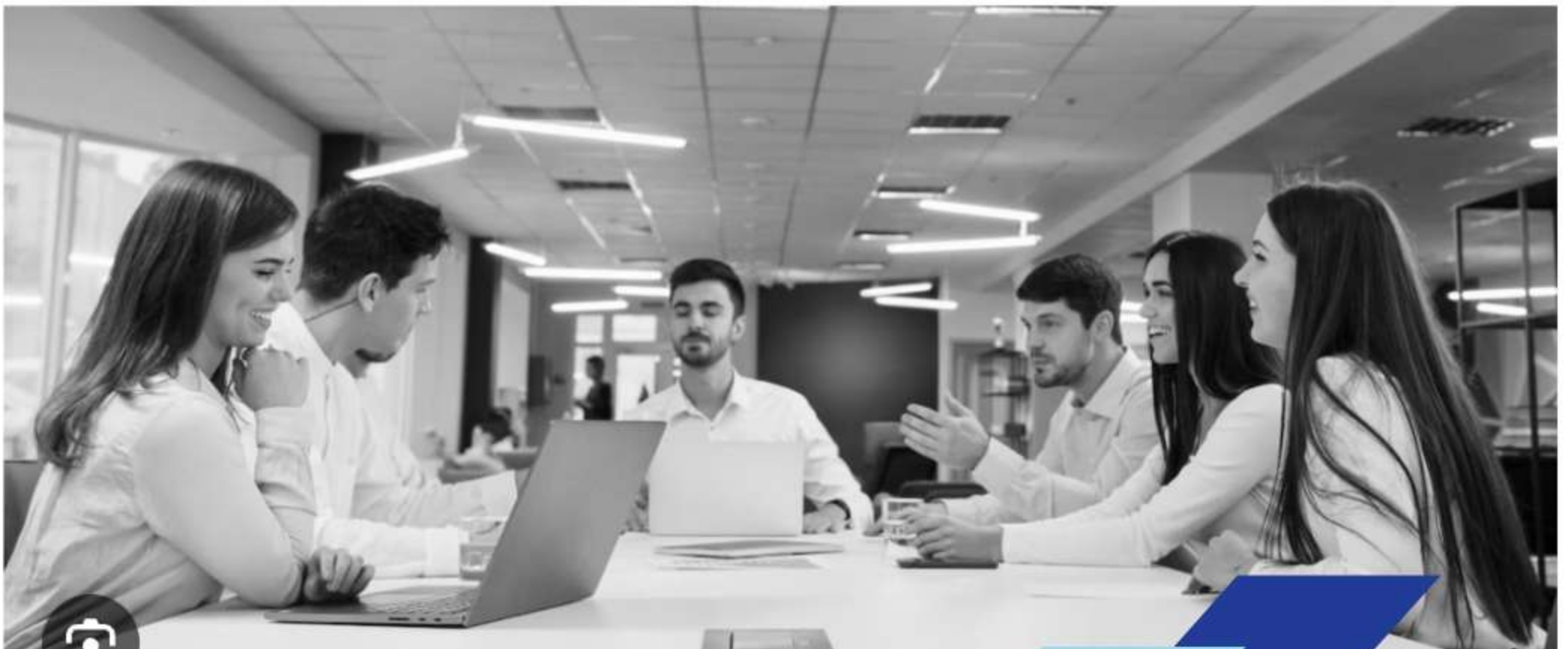
## WHY BHAVANI MOTORS?

- High performance motors
- Energy efficient technology
- Durable and long service life
- Precision engineering
- Competitive pricing
- Custom motor solutions available
- Strong after sales support





## OUR TEAM





# OUR PRODUCT RANGE

We manufacture a wide range of motors for various industrial applications:



## Three Phase Induction Motors

3 Phase 0.50 HP to 25 HP



## Foot Mount

3 Phase 0.50 HP to 25 HP



## Three Phase Motor

3 Phase 0.50 HP to 25 HP



## NMRV Gear Box

Box 50 TO 150 Size  
Ratio 7.5:1 TO 100:1



## Single Phase Motors

0.50 HP to 5 HP



## Brake Motor

AC/DC 3 Phase 0.50 HP to 25 HP



## Aluminium Body Motors

0.50 HP to 5 HP



## Helical Gear Motor

3 Phase 0.50 HP to 25 HP



## Three Phase Foot Cum Flange

3 Phase 0.50 HP to 25 HP



## Singal Phase Aata Chakki motor

3 Phase 0.50 HP to 5 HP



## Three Phase Flange Mount

3 Phase 0.50 HP to 25 HP



## Special Motor

3 Phase 0.50 to as per requirement



## PREMIUM EFFICIENCY MOTORS

We manufacture high-efficiency electric motors designed according to modern industrial standards. Our motors are available in **IE2** and **IE3** efficiency classes, ensuring better energy savings, reliable performance, and long operational life.

These motors are engineered to deliver smooth operation, high torque, and consistent performance in demanding industrial environments.



## QUALITY TESTING & STANDARDS

All Bhavani motors are manufactured and tested according to **ISO & IEC** standards and industry regulations.

Each motor undergoes strict quality inspection, performance testing, and labeling verification to ensure reliable operation and compliance with international quality norms.



## CUSTOMIZED MOTOR SOLUTIONS

We also provide customized motor manufacturing based on specific industrial requirements.

Our team works closely with customers to develop motors with custom specifications, special designs, and required configurations





# THREE PHASE INDUCTION MOTORS

## Technical Specifications

- Power: 0.50 to 25 HP (0.37 – 18.5 kW)
- Voltage: 415 V
- Phase: 3 Phase
- Pole: 2/4/6/8
- Current: 1.50 to 40 Amp
- Speed: RPM 1450/2880/960/750
- Duty: S1/S2/S4
- Protection: IP55
- Frame Size: 63 to 250M

## Key Features

- High Performance
- Heavy Duty Body
- Low Noise & Vibration
- Long Life & Reliable
- Industrial Grade Quality



# AC/DC BRAKE MOTORS

## Technical Specifications

- Power: 0.50 to 25 HP (0.37 – 18.5 kW)
- Voltage: 415 V
- Phase: 3 Phase
- Frequency: 50 Hz
- Speed: 1440/2880/960 RPM Available
- Duty: S1/S2/S4
- Protection: IP55
- Insulation Class: F
- Frame Size: 71 to 160



# SINGLE PHASE MOTOR

## Technical Specifications

- Power: 0.5 HP to 5 HP
- Voltage: 230 V
- Phase: Single Phase
- Frequency: 50 Hz
- Speed: 1440/2880/960
- Duty: S1/S2/S4
- Protection: IP55
- Insulation Class: B/F
- Frame Size: 71 to 132

## Technical Specifications

- High Efficiency Performance
- Energy Saving
- Durable & Reliable
- Easy Installation
- Low Maintenance
- Low Noise & Vibration
- Compact Design
- Industrial Grade Quality





## NMRV GEAR BOX

Bhavani Three Phase Motors are designed for high efficiency and continuous industrial operation.

### Features

Box 50 TO 150 Size  
Ratio 7.5:1 TO 100:1



## THREE PHASE FOOT CUM FLANGE

### Technical Specifications

- Power: 0.50 to 25 HP (0.37 – 18.5 kW)
- Voltage: 415 V
- Phase: 3 Phase
- Pole: 2/4/6/8
- Current: 1.50 to 40 Amp
- Speed: 1440/2880/960
- Duty: S1/S2/S4
- Protection: IP55
- Frame Size: 63 to 250M

### Key Features

- High Efficiency
- Heavy Duty Body
- Low Noise & Vibration
- Long Life & Reliable
- Industrial Grade Quality



## ALUMINIUM BODY MOTORS

### Technical Specifications

- Power: 0.50 to 5 HP (0.37 – 3.7 kW)
- Voltage: 415 V
- Phase: 3 Phase
- Frequency: 50 Hz
- Speed: 1440/2880/960 RPM Available
- Duty: S1/S2/S4
- Protection: IP55
- Insulation Class: F
- Frame Size: 112





# HELICAL GEAR MOTOR

## Technical Specifications

- Power: 0.50 to 25 HP (0.37 – 18.5 kW)
- Voltage: 415 V
- Phase: 3 Phase
- Pole: 2/4/6/8 Pole
- Current: 1.50 to 40 Amp
- Speed: 1440/2880/960
- Duty: S1/S2/S4
- Protection: IP55
- Frame Size: 63 to 250M



## Key Features

- High Efficiency Performance
- Heavy Duty Body
- Low Noise & Vibration
- Long Life & Reliable
- Industrial Grade Quality



## INDUSTRIES WE SERVE

Our motors are widely used in multiple industrial sectors.

- Air Compressor Industry
- Textile Industry
- Packaging Industry
- Pharma Industry
- Blower Industry
- Crane & Hoist Industry
- Valve & Actuator Industry
- Diamond Industry
- Multiple Industry
- Conveyor System

Bhavani Motors are engineered to perform reliably in continuous industrial operations.

**Unbeatable Power with  
RELIABLE MOTOR**





# QUALITY AND TECHNOLOGY

## QUALITY ASSURANCE

-At Bhavani Motors, quality is our top priority.

Every motor undergoes strict testing and inspection before delivery.

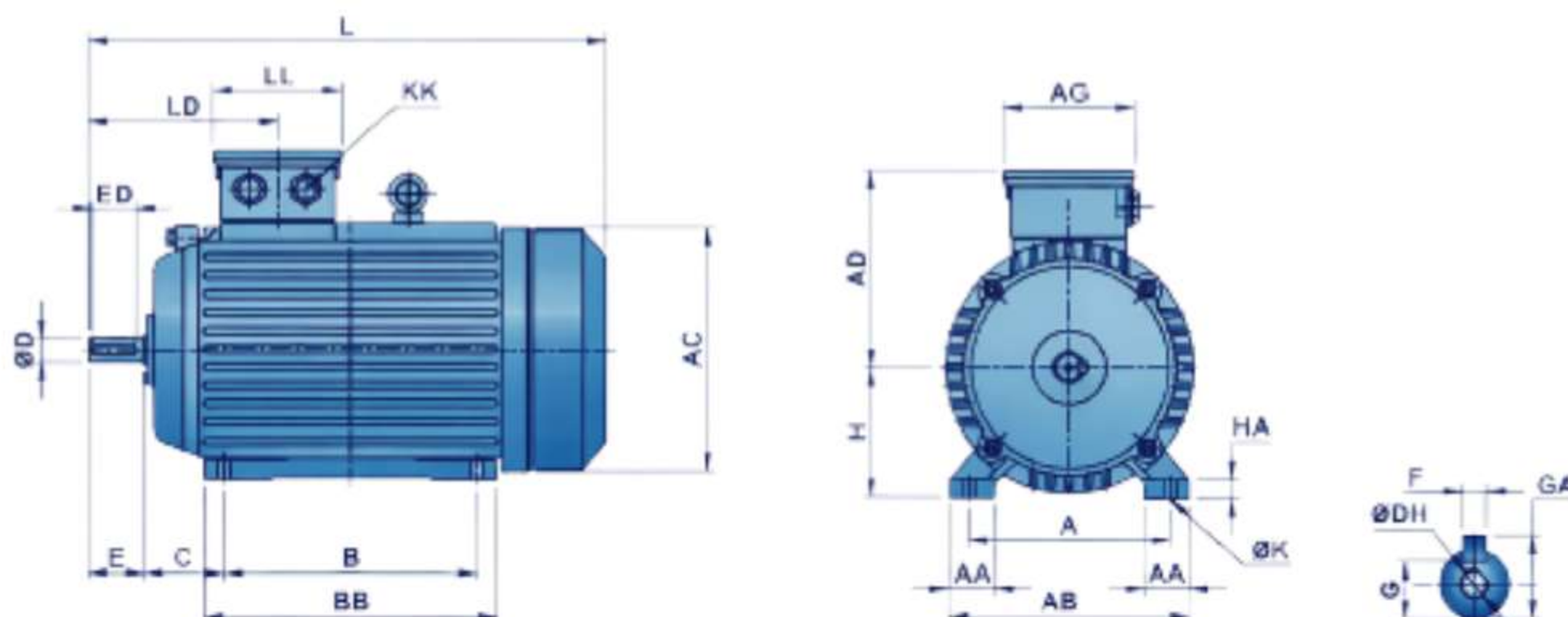
- Precision manufacturing
- High grade raw materials
- Performance testing
- Long durability testing
- Energy efficiency verification

We ensure every product meets the highest industrial reliability standards.





# DIMENSION DETAILS OF TEFC FOOT MOUNTED (B3) MOTORS CAST IRON BODY INDUCTION MOTORS FRAME 63 TO 250M

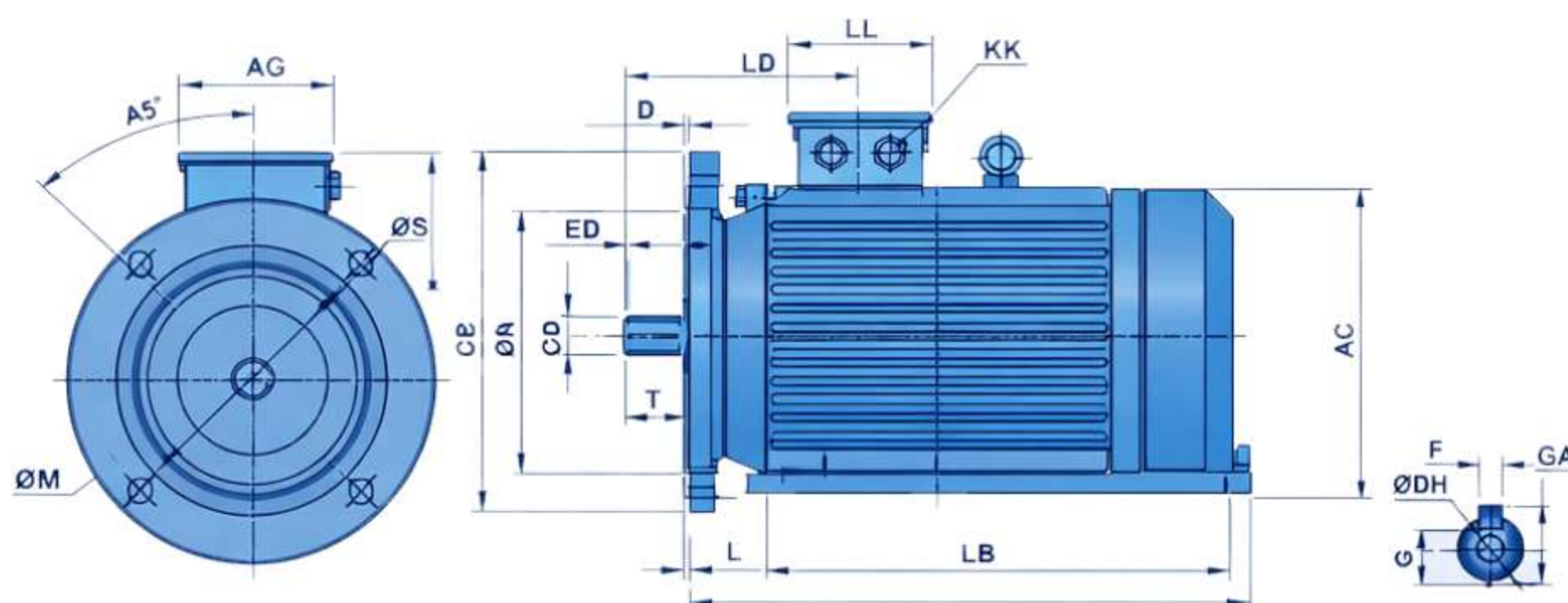


| Frame | Pole       | A   | AA | AB  | AB  | AC  | AD  | B   | BB  | C   | D  | DH  | E   | ED  | F  | G    | GA   | H   | HA | K  | KK        | L   | LD  | LL  |
|-------|------------|-----|----|-----|-----|-----|-----|-----|-----|-----|----|-----|-----|-----|----|------|------|-----|----|----|-----------|-----|-----|-----|
| 63    | 2, 4, 6, 8 | 112 | 25 | 133 | 144 | 110 | 85  | 90  | 111 | 45  | 10 | M5  | 30  | 25  | 5  | 11   | 16   | 51  | 11 | 7  | 1x3/4"    | 246 | 124 | 85  |
| 71    | 2, 4, 6, 8 | 125 | 38 | 155 | 171 | 125 | 85  | 100 | 126 | 50  | 19 | M6  | 40  | 34  | 6  | 15.5 | 21.5 | 80  | 10 | 10 | 1x3/4"    | 284 | 140 | 85  |
| 90L   | 2, 4, 6, 8 | 140 | 36 | 168 | 178 | 149 | 98  | 100 | 158 | 58  | 24 | M8  | 50  | 42  | 8  | 20   | 27   | 90  | 13 | 10 | 2x3/4"    | 333 | 148 | 98  |
| 90L   | 2, 4, 6, 8 | 140 | 36 | 168 | 178 | 149 | 98  | 100 | 158 | 56  | 24 | M8  | 50  | 42  | 8  | 20   | 27   | 90  | 13 | 10 | 2x3/4"    | 333 | 148 | 98  |
| 100L  | 2, 4, 6, 8 | 160 | 38 | 185 | 194 | 156 | 98  | 140 | 170 | 63  | 28 | M10 | 60  | 52  | 8  | 24   | 31   | 100 | 14 | 12 | 2x3/4"    | 371 | 157 | 98  |
| 112M  | 2, 4, 6, 8 | 190 | 42 | 230 | 218 | 179 | 98  | 140 | 170 | 63  | 28 | M10 | 60  | 52  | 8  | 24   | 31   | 100 | 14 | 12 | 2x3/4"    | 336 | 160 | 98  |
| 132S  | 2, 4, 6, 8 | 216 | 65 | 257 | 262 | 192 | 131 | 140 | 182 | 89  | 28 | M12 | 80  | 68  | 10 | 33   | 41   | 132 | 18 | 12 | 2x1"      | 489 | 202 | 131 |
| 132M  | 2, 4, 6, 8 | 216 | 65 | 257 | 262 | 192 | 131 | 178 | 220 | 89  | 38 | M12 | 80  | 68  | 10 | 33   | 41   | 132 | 18 | 12 | 2x1"      | 497 | 202 | 131 |
| 160L  | 2, 4, 6, 8 | 254 | 55 | 305 | 304 | 244 | 171 | 210 | 260 | 108 | 42 | M16 | 110 | 96  | 12 | 37   | 45   | 160 | 19 | 15 | 2x1"      | 587 | 282 | 195 |
| 160M  | 2, 4, 6, 8 | 254 | 55 | 305 | 304 | 244 | 171 | 254 | 300 | 108 | 42 | M16 | 110 | 96  | 12 | 37   | 45   | 160 | 19 | 15 | 2x1"      | 637 | 282 | 195 |
| 180L  | 2, 4, 6, 8 | 279 | 66 | 342 | 357 | 296 | 265 | 241 | 284 | 121 | 48 | M16 | 110 | 96  | 14 | 42.5 | 51.5 | 180 | 27 | 15 | 2xM40x1.5 | 720 | 280 | 195 |
| 180L  | 2, 4, 6, 8 | 279 | 66 | 342 | 357 | 296 | 265 | 279 | 340 | 121 | 48 | M16 | 110 | 96  | 14 | 42.5 | 51.5 | 180 | 27 | 15 | 2xM40x1.5 | 758 | 280 | 195 |
| 200L  | 2, 4, 6, 8 | 318 | 86 | 400 | 392 | 308 | 265 | 305 | 350 | 133 | 55 | M20 | 110 | 96  | 16 | 49   | 59   | 200 | 30 | 19 | 2xM50x1.5 | 806 | 288 | 195 |
| 225S  | 4, 4, 6, 8 | 356 | 85 | 450 | 425 | 330 | 265 | 286 | 370 | 149 | 60 | M10 | 140 | 56  | 18 | 53   | 64   | 225 | 32 | 19 | 2xM50x1.5 | 856 | 325 | 195 |
| 225M  | 2          | 356 | 85 | 450 | 425 | 330 | 265 | 311 | 395 | 149 | 55 | M20 | 110 | 96  | 16 | 49   | 59   | 225 | 32 | 19 | 2xM50x1.5 | 881 | 295 | 195 |
|       | 4, 6, 8    | 356 | 85 | 450 | 425 | 330 | 265 | 311 | 395 | 149 | 65 | M20 | 140 | 122 | 18 | 53   | 64   | 225 | 32 | 19 | 2xM60x1.5 | 881 | 325 | 195 |
| 250M  | 2          | 406 | 90 | 480 | 493 | 382 | 286 | 349 | 414 | 168 | 60 | M20 | 140 | 122 | 18 | 53   | 64   | 250 | 24 | 24 | 2xM63x1.5 | 881 | 355 | 253 |
|       | 4, 6, 8    | 406 | 90 | 480 | 493 | 382 | 286 | 349 | 414 | 168 | 65 | M20 | 140 | 122 | 18 | 58   | 69   | 250 | 24 | 24 | 2xM63x1.5 | 881 | 355 | 253 |

**Note:** All dimensions in mm unless otherwise noted.



# DIMENSION DETAILS OF FLANGE MOUNTED (B5) MOTORS CAST IRON BODY INDUCTION MOTORS FRAME 63 TO 250M



| Frame | Pole  | AC  | AG  | DH  | E   | ED  | F  | G    | GA   | KK  | L   | LA  | LB  | LL  | LL  | M   | N  | P  | T   |
|-------|-------|-----|-----|-----|-----|-----|----|------|------|-----|-----|-----|-----|-----|-----|-----|----|----|-----|
| 71    | 2,4,6 | 178 | 178 | 96  | 23  | 35  | 5  | 11   | 86   | 32  | 113 | 218 | 215 | 116 | 204 | 130 | 13 | 11 | 3.5 |
| 60    | 2,4,8 | 179 | 199 | 92  | 20  | 34  | 10 | 11.5 | 48   | 39  | 142 | 294 | 100 | 180 | 98  | 182 | 10 | 12 | 3.5 |
| 90L   | 2,4,8 | 178 | 199 | M8  | 58  | 42  | 13 | 20   | 38   | 32  | 165 | 244 | 100 | 180 | 98  | 165 | 10 | 12 | 3.5 |
| 100L  | 2,4,6 | 150 | 156 | M8  | 60  | 42  | 16 | 20   | 27   | 45  | 154 | 229 | 169 | 191 | 98  | 162 | 16 | 13 | 3.5 |
| 112M  | 2,4,8 | 218 | 208 | M8  | 83  | 54  | 15 | 24   | 31   | 46  | 196 | 397 | 190 | 167 | 88  | 216 | 15 | 15 | 4   |
| 132S  | 2,4,8 | 219 | 259 | M12 | 89  | 59  | 10 | 33   | 41   | 46  | 157 | 317 | 195 | 167 | 118 | 215 | 26 | 16 | 4   |
| 152M  | 2,4,8 | 232 | 229 | M12 | 89  | 68  | 10 | 32   | 41   | 48  | 169 | 317 | 190 | 167 | 105 | 215 | 16 | 16 | 4   |
| 162M  | 2,4,6 | 226 | 296 | M12 | 110 | 66  | 12 | 33   | 45   | 42  | 102 | 344 | 129 | 167 | 113 | 215 | 16 | 16 | 5   |
| 160M  | 2,4,8 | 546 | 363 | M16 | 110 | 96  | 12 | 42.5 | 51.5 | 180 | 192 | 342 | 190 | 192 | 190 | 283 | 15 | 15 | 5   |
| 160L  | 2,4,8 | 505 | 369 | M16 | 115 | 96  | 14 | 49.5 | 51.6 | 183 | 192 | 519 | 210 | 192 | 190 | 364 | 19 | 13 | 5   |
| 250L  | 2,4,8 | 535 | 376 | M20 | 113 | M14 | 14 | 49.5 | 51.5 | 186 | 194 | 363 | 280 | 197 | 283 | 360 | 15 | 16 | 5   |
| 202L  | 2,4,6 | 499 | 340 | M26 | 115 | M12 | 15 | 31   | 202  | 195 | 193 | 627 | 210 | 197 | 190 | 330 | 20 | 19 | 5   |
| 220L  | 2,4,8 | 430 | 349 | M23 | 130 | M16 | 16 | 37   | 294  | 186 | 192 | 453 | 240 | 192 | 200 | 330 | 26 | 19 | 5   |
| 225S  | 2,4,8 | 428 | 632 | M23 | 130 | M20 | 16 | 59   | 285  | 188 | 169 | 423 | 250 | 167 | 350 | 330 | 20 | 13 | 5   |
| 225M  | 2,4,8 | 536 | 629 | M20 | 130 | M20 | 16 | 53   | 208  | 186 | 169 | 422 | 250 | 197 | 300 | 360 | 30 | 19 | 5   |
| 250M  | 2,4,6 | 760 | 396 | M26 | 130 | M20 | 12 | 35   | 265  | 180 | 200 | 430 | 250 | 197 | 350 | 400 | 30 | 15 | 5   |

**Note:** All dimensions in mm unless otherwise noted.





Please scan and go to our website

# GET IN TOUCH WITH US

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