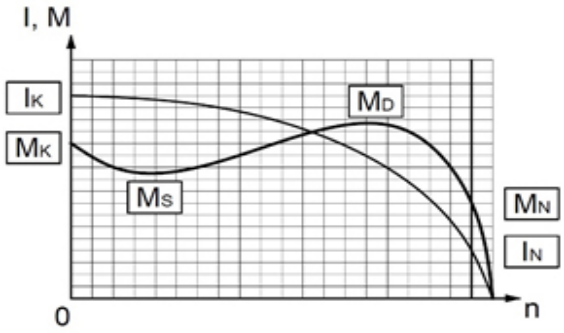
Elsan Elektrik San. ve Tic. A.Ş
Etiler Mah. 1458 Cad. No:40
06790 Etimesgut / Ankara / TÜRKİYE
Tlf: +90 312 244 09 94 F: +90 312 243 14 38
Mail: info@emtas.com.tr / Web Sayfası: www.emtas.com.tr

# TECHNICAL SPECIFICATION SHEET

| THREE PHASES SQUIRREL CAGE ASYNCHRONOUS MOTOR | | |
|---|---|---|
| Type | NMST 160Lb 2 | |
| Protection Class | IP55 | |
| Duty Type / Service Factor | S2 240 dak | 1.0 |
| Insulation Class | F | |
| Construction Type | B3 - B5 | V1-V5-V1/V5 |
| Altitude / Ambient temperature | 1000 M | 40 °C |

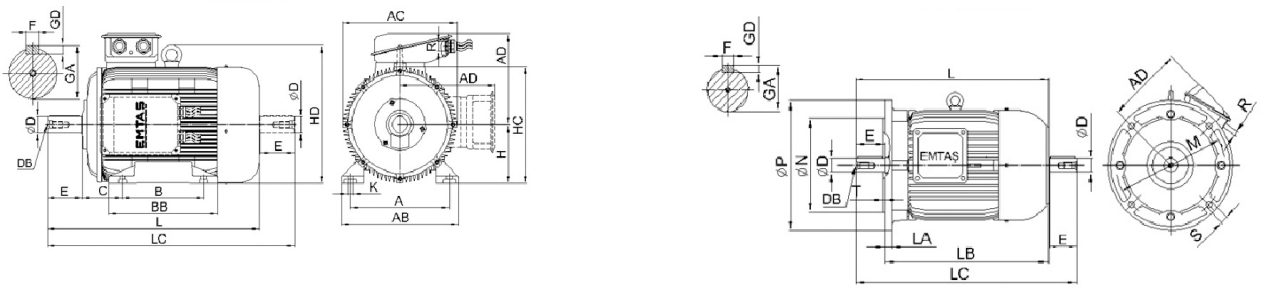



## PERFORMANCE DATA ( FULL LOAD )

| Output Rated (kW) | Speed (1/min) | Voltage (V) | Frequency (Hz) | Current (A) | Efficiency (%) | Power Factor (CosØ) | Rated Torque MN (Nm) | Starting Current IK/IN | Starting Torque MK/MN | Breakdown Torque MD/MN | Moment of Inertia Jmot kgm2 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 18.5 | 2930 | 400 | 50 | 32.8 | 89.4 | 0.91 | 60.3 | 7.0 | 3.0 | 3.2 | 0.0435 |

## CHARACTERISTIC DATA

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Frame | Pik Cast. (GG20) | BEARINGS | | Drive End Bearing | | Non Drive End Bearing | |
| Front-Back Cover | Pik Cast. (GG20) | | Standart | 6309 ZZ | | 6309 ZZ | |
| Foot | Sfero Casting | | Heavy Duty | NU 309 | | 6309 ZZ | |
| Fan | Plastik | Special Equipment | Brake | Forced ventilation | Heater | Encoder | Heat Sensor |
| Terminal Box | Casting | | --- | --- | --- | --- | --- |
| Cable Gland | Casting | Colour | RAL 6028-Yesil | | Weight (kg) | 134 | |




## DIMENSIONS (B3-B5-V5-V6-B6-B7-B8)

| B3 | | | | | | | | | | | B5 | | | | | | Common Dimensions | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| H | A | B | C | AB | AC | AD | BB | HC | HD | K | P | N | M | S | D.S | T. | LA | LB | LC | L | ØD | E | F | GA | GD | DB | R |
| 160Lb | 254 | 254 | 108 | 318 | 310 | 236 | 304 | 315 | 373 | 15 | 350 | 250 | 300 | 19 | 4 | | 18 | | 729 | 613 | 42 | 110 | 12 | 45 | 8 | * | 2 x Pg21 |

| | |
|---|---|
| F | Pik Cast. (GG20) |
| F er | Pik Cast. (GG20) |
| Foot | Sfero Casting |
| Fan | Plastik |

BEARINGS

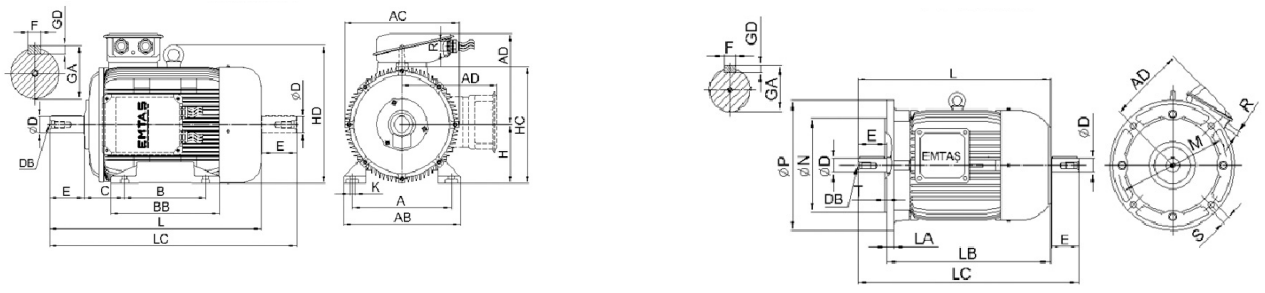
| | Drive End Bearing | Non Drive End Bearing |
|---|---|---|
| Standart | 6309 ZZ | 6309 ZZ |
| Heavy Duty | NU 309 | 6309 ZZ |

| | |
|---|---|
| Terminal Box | Casting |
| Cable Gland | Casting |

Special Equipment

| Brake | Forced ventilation | Heater | Encoder | Heat Sensor |
|---|---|---|---|---|
| --- | --- | --- | --- | --- |

| | | | |
|---|---|---|---|
| Colour | RAL 6028-Yesil | Weight (kg) | 134 |




## DIMENSIONS (B3-B5-V5-V6-B6-B7-B8)

| B3 | | | | | | | | | | | B5 | | | | | | Common Dimensions | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| H | A | B | C | AB | AC | AD | BB | HC | HD | K | P | N | M | S | D.S | T. | LA | LB | LC | L | ØD | E | F | GA | GD | DB | R |
| 160Lb | 254 | 254 | 108 | 318 | 310 | 236 | 304 | 315 | 373 | 15 | 350 | 250 | 300 | 19 | 4 | | 18 | | 729 | 613 | 42 | 110 | 12 | 45 | 8 | * | 2 x Pg21 |

| | |
|---|---|
| F | Pik Cast. (GG20) |
| F er | Pik Cast. (GG20) |
| Foot | Sfero Casting |
| Fan | Plastik |

BEARINGS

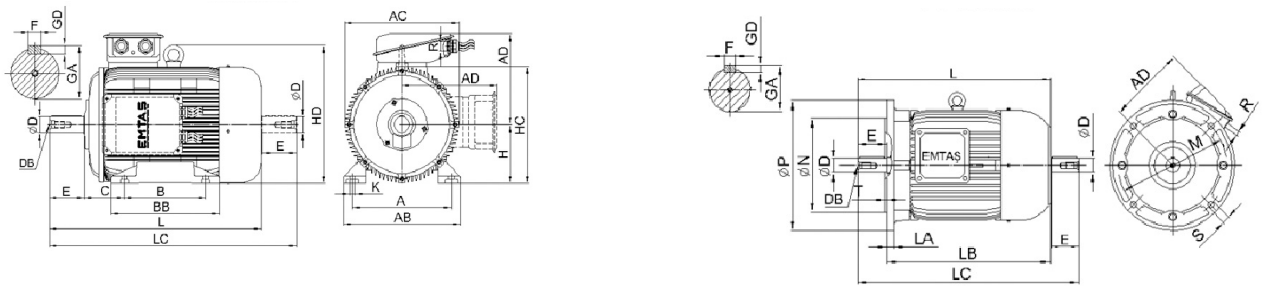
| | Drive End Bearing | Non Drive End Bearing |
|---|---|---|
| Standart | 6309 ZZ | 6309 ZZ |
| Heavy Duty | NU 309 | 6309 ZZ |

| | |
|---|---|
| Terminal Box | Casting |
| Cable Gland | Casting |

Special Equipment

| Brake | Forced ventilation | Heater | Encoder | Heat Sensor |
|---|---|---|---|---|
| --- | --- | --- | --- | --- |

| | | | |
|---|---|---|---|
| Colour | RAL 6028-Yesil | Weight (kg) | 134 |




## DIMENSIONS (B3-B5-V5-V6-B6-B7-B8)

| B3 | | | | | | | | | | | B5 | | | | | | Common Dimensions | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| H | A | B | C | AB | AC | AD | BB | HC | HD | K | P | N | M | S | D.S | T. | LA | LB | LC | L | ØD | E | F | GA | GD | DB | R |
| 160Lb | 254 | 254 | 108 | 318 | 310 | 236 | 304 | 315 | 373 | 15 | 350 | 250 | 300 | 19 | 4 | | 18 | | 729 | 613 | 42 | 110 | 12 | 45 | 8 | * | 2 x Pg21 |

| | |
|---|---|
| F | Pik Cast. (GG20) |
| F er | Pik Cast. (GG20) |
| Foot | Sfero Casting |
| Fan | Plastik |

BEARINGS

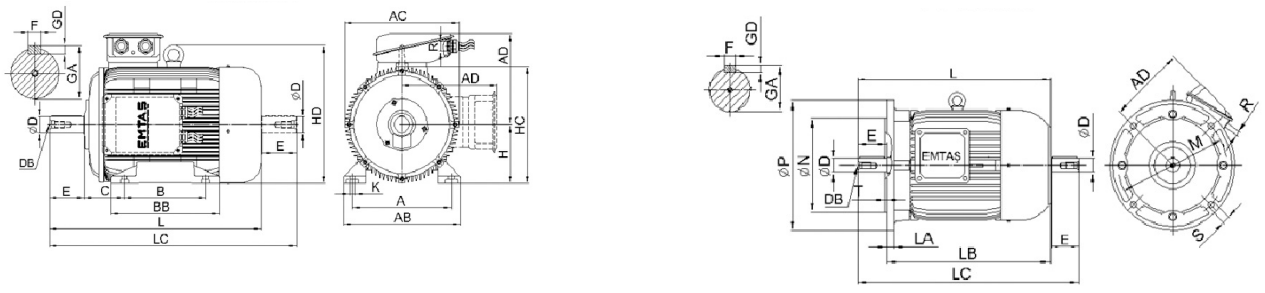
| | Drive End Bearing | Non Drive End Bearing |
|---|---|---|
| Standart | 6309 ZZ | 6309 ZZ |
| Heavy Duty | NU 309 | 6309 ZZ |

| | |
|---|---|
| Terminal Box | Casting |
| Cable Gland | Casting |

Special Equipment

| Brake | Forced ventilation | Heater | Encoder | Heat Sensor |
|---|---|---|---|---|
| --- | --- | --- | --- | --- |

| | | | |
|---|---|---|---|
| Colour | RAL 6028-Yesil | Weight (kg) | 134 |




## DIMENSIONS (B3-B5-V5-V6-B6-B7-B8)

| B3 | | | | | | | | | | | B5 | | | | | | Common Dimensions | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| H | A | B | C | AB | AC | AD | BB | HC | HD | K | P | N | M | S | D.S | T. | LA | LB | LC | L | ØD | E | F | GA | GD | DB | R |
| 160Lb | 254 | 254 | 108 | 318 | 310 | 236 | 304 | 315 | 373 | 15 | 350 | 250 | 300 | 19 | 4 | | 18 | | 729 | 613 | 42 | 110 | 12 | 45 | 8 | * | 2 x Pg21 |