



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 SQUIREL CAGE ASYNCHRONOUS MOTOR |                |       |
|--|----------------|-------|
| Type   | NMST 315M 2    |       |
| Protection Class                             | IP65           |       |
| Duty Type / Service Factor                   | S2 240 dak     | 1.0   |
| Insulation Class                             | H              |       |
| Construction Type /Frame                     | V5-V6-B6-B7-B8 | V1-V3 |
| Altitude / Ambient temperature               | V1-V3          | 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 |
|-------------------|---------------|-------------|----------------|-------------|----------------|---------------------|----------------------|------------------------|-----------------------|------------------------|-----------------------------|
| 160               | 2976          | 400         | 50             | 270.8       | 93.7           | 0.91                | 513.4                | 7.0                    | 1.8                   | 2.6                    | 1.5606                      |

## CHARACTERISTIC DATA

|                  |                  |                   |                   |                    |                       |             |             |
|------------------|------------------|-------------------|-------------------|--------------------|-----------------------|-------------|-------------|
| Frame            | Pik Cast. (GG20) | BEARINGS          | Drive End Bearing |                    | Non Drive End Bearing |             |             |
| Front-Back Cover | Pik Cast. (GG20) |                   | Standart          | 6316               |                       | 6316        |             |
| Foot             | Sfero Casting    |                   | Heavy Duty        | NU 316             |                       | 6316        |             |
| Fan              |                  | Special Equipment | Brake             | Forced ventilation | Heater                | Encoder     | Heat Sensor |
| Terminal Box     | Pik Casting      |                   | ---               | ---                | ---                   | ---         | ---         |
| Cable Gland      | Pik Casting      |                   | Colour            | RAL 6028-Yesil     |                       | Weight (kg) | 900         |



## 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        |
| 315M | 508 | 457 | 216 | 620 | 612 | 501 | 550 | 621 | 682 | 28 | 660 | 550 | 600 | 24 | 8   |    | 24                |    | 1291 | 1141 | 70 | 140 | 20 | 74.5 | 12 | M20 | 2 x Pg48 |