



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 225M 4 | |
| Protection Class | IP55 | |
| Duty Type / Service Factor | S2 240 dak | 1.0 |
| Insulation Class | F | |
| 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 |
|-------------------|---------------|-------------|----------------|-------------|----------------|---------------------|----------------------|------------------------|-----------------------|------------------------|-----------------------------|
| 45 | 1472 | 400 | 50 | 79.5 | 92.8 | 0.88 | 291.9 | 6.6 | 2.7 | 2.8 | 0.4195 |

CHARACTERISTIC DATA

| | | | | | | | |
|------------------|------------------|-------------------|-------------------|--------------------|-----------------------|---------|-------------|
| Frame | Pik Cast. (GG20) | BEARINGS | Drive End Bearing | | Non Drive End Bearing | | |
| Front-Back Cover | Pik Cast. (GG20) | | Standart | 6314 | | 6314 | |
| Foot | Sfero Casting | | Heavy Duty | NU 314 | | 6314 | |
| Fan | Plastik | Special Equipment | Brake | Forced ventilation | Heater | Encoder | Heat Sensor |
| Terminal Box | Casting | | --- | --- | --- | --- | --- |
| Cable Gland | Casting | Colour | RAL 6028-Yesil | | Weight (kg) | | 334 |



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 |
| 225M | 356 | 311 | 149 | 436 | 434 | 300 | 371 | 442 | 504 | 19 | 450 | 350 | 400 | 19 | 8 | | 18 | | 965 | 818 | 60 | 140 | 18 | 64 | 11 | M20 | 2 x Pg36 |