



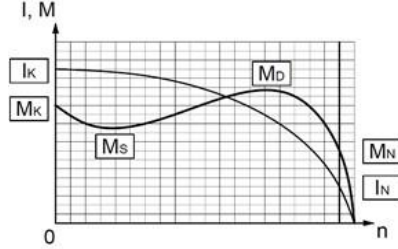
ELSAN Elektrik San. ve Tic. A.Ş.  
Etiler Mah. 1458. Cad. No:40  
06790 Etimesgut / Ankara / TÜRKİYE  
T: +90 312 244 09 94 F: +90 312 243 14 38  
M: info@emtas.com.tr W: www.emtas.com.tr



## TECHNICAL SPECIFICATION SHEET

### THREE PHASES SQUIRREL CAGE ASYNCHRONOUS MOTORS

|                                |           |            |   |
|--------------------------------|-----------|------------|---|
| Type                           | NMSC 112M |            |   |
| Protection Class               | IP55      |            |   |
| Duty Type / Service Factor     | S1        | 1.0        |   |
| Insulation Class               | F         |            |   |
| Construction Type /Frame       | B35/ 112M |            |   |
| Altitude / Ambient temperature | 1000 m    | 40 C°      |   |
| Customer / Date / Order Number | -         | 11.08.2026 | - |

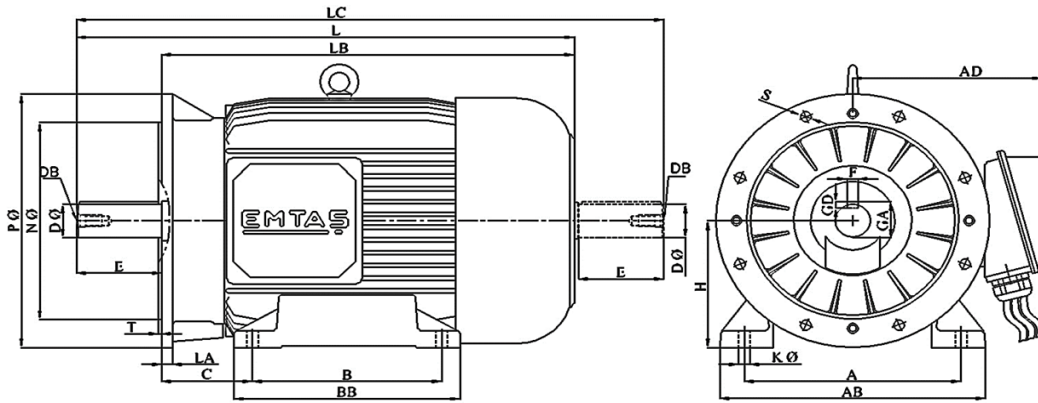


### PERFORMANCE DATA ( FULL LOAD )

| Rated Output (kW) | Rated Speed (1/min) | Voltage (V) | Frequency (Hz) | Current (A) | Efficiency (%) | Power Factor (Cos φ) | Rated Torque MN (Nm) | Starting Current IK/IN | Starting Torque MK/MN | Breakdown Torque MD/MN | Moment of Inertia Jmot (kgm²) |
|-------------------|---------------------|-------------|----------------|-------------|----------------|----------------------|----------------------|------------------------|-----------------------|------------------------|-------------------------------|
| 0,37-1,66         | 309 1436            | 400         | 50             | 2,6 5,1     | 83,3           | 0,58 0,80            | 11,4 11,0            | 1,7 4,6                | 1,6 1,8               | 2,6                    | 0,005                         |

### CHARACTERISTIC DATA

|                         |                      |                   |                  |                    |                          |                   |                       |
|-------------------------|----------------------|-------------------|------------------|--------------------|--------------------------|-------------------|-----------------------|
| Frame                   | Cast Iron (GG20)     | Bearings          |                  |                    |                          | Drive End Bearing | Non Drive End Bearing |
| End Shield - DE and NDE | Cast Iron (GG20)     |                   | Standart         |                    |                          | 6306 ZZ           | 6306 ZZ               |
| Foot                    | Ductile Iron (GGG40) |                   | Heavy Duty       |                    |                          | -                 | -                     |
| Fan                     | Plastic              | Special Equipment | Brake            | Forced ventilation | Heater                   | Encoder           | Heat sensor           |
| Terminal box            | Cast Iron (GG20)     |                   | ---              | ---                | <input type="checkbox"/> | ---               | ---                   |
| Cable Gland             | PA6.6 2 x Pg13,5     | Colour            | RAL 6028 - Green |                    |                          | Weight (kg)       | 44                    |



### DIMENSIONS (mm) ( B3-B5-V1-V5-V6-B6-B7-B8-B35 )

| B3    |       |       |      |       |       |       |       |       |       |      | B5    |       |       |      |              |     |      |       | Common Dimensions |       |      |      |     |      |     |    |            |  |  |
|-------|-------|-------|------|-------|-------|-------|-------|-------|-------|------|-------|-------|-------|------|--------------|-----|------|-------|-------------------|-------|------|------|-----|------|-----|----|------------|--|--|
| H     | A     | B     | C    | AB    | AC    | AD    | BB    | HC    | HD    | K    | P     | N     | M     | S    | Hole<br>Pcs. | T   | LA   | LB    | LC                | L     | ØD   | E    | F   | GA   | GD  | DB | R          |  |  |
| 112,0 | 190,0 | 140,0 | 70,0 | 235,0 | 218,0 | 176,0 | 175,0 | 221,0 | 262,0 | 12,0 | 250,0 | 180,0 | 215,0 | 15,0 | 4,0          | 4,0 | 14,0 | 325,0 | 453,0             | 385,0 | 28,0 | 60,0 | 8,0 | 31,0 | 7,0 | *  | 2 x Pg13,5 |  |  |

Important Note : Values provided in this datasheet represent the preliminary design values. Please keep in mind that these values might vary for the final product, due to technical requirements.