



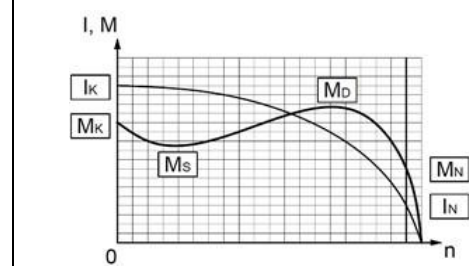
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## TECHNICAL SPECIFICATION SHEET

### THREE PHASES SQUIRREL CAGE ASYNCHRONOUS MOTORS

|                                |          |            |   |
|--------------------------------|----------|------------|---|
| Type                           | NMSC 90S |            |   |
| Protection Class               | IP55     |            |   |
| Duty Type / Service Factor     | S1       | 1.0        |   |
| Insulation Class               | F        |            |   |
| Construction Type /Frame       | B35/ 90S |            |   |
| Altitude / Ambient temperature | 1000 m   | 40 C°      |   |
| Customer / Date / Order Number | -        | 10.08.2026 | - |

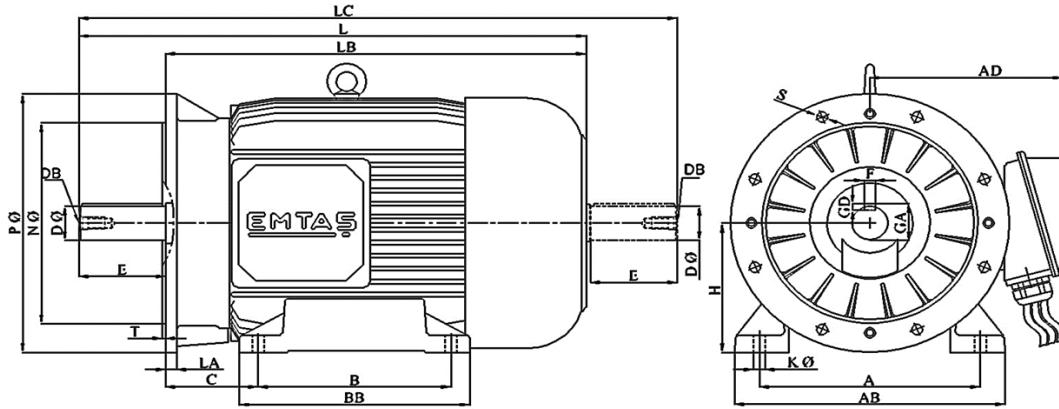


### PERFORMANCE DATA ( FULL LOAD )

| 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) |
|-------------------|---------------------|-------------|----------------|-------------|----------------|----------------------|----------------------|------------------------|-----------------------|------------------------|-------------------------------|
| 0,55-0,75         | 1372 2760           | 400         | 50             | 1,4 1,8     | 77,3           | 0,82 0,88            | 3,8 2,6              | 4,1 4,5                | 2,1 2,1               | 2,5                    | 0,001                         |

### CHARACTERISTIC DATA

|                         |                      |                   |                  |                    |                          |                   |  |                       |    |
|-------------------------|----------------------|-------------------|------------------|--------------------|--------------------------|-------------------|--|-----------------------|----|
| Frame                   | Cast Iron (GG20)     | Bearings          |                  |                    |                          | Drive End Bearing |  | Non Drive End Bearing |    |
| End Shield - DE and NDE | Cast Iron (GG20)     |                   | Standart         |                    |                          | 6205 ZZ           |  | 6205 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)       |  |                       | 20 |



### 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          |  |  |
| 90,0 | 140,0 | 100,0 | 56,0 | 185,0 | 176,0 | 127,0 | 130,0 | 178,0 | -  | 10,0 | 200,0 | 130,0 | 165,0 | 12,0 | 4,0          | 3,5 | 11,0 | 249,0 | 360,0             | 299,0 | 24,0 | 50,0 | 8,0 | 27,0 | 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.