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## TECHNICAL SPECIFICATION SHEET

### THREE PHASES SQUIRREL CAGE ASYNCHRONOUS MOTORS

|                                |            |           |   |
|--------------------------------|------------|-----------|---|
| Type                           | NMST 225M8 |           |   |
| Protection Class               | IP55       |           |   |
| Duty Type / Service Factor     | S1         | 1.0       |   |
| Insulation Class               | H          |           |   |
| Construction Type /Frame       | B3/ 225M8  |           |   |
| Altitude / Ambient temperature | 1000 m     | 40 C°     |   |
| Customer / Date / Order Number | -          | 7.07.2023 | - |



### 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) |
|-------------------|---------------------|-------------|----------------|-------------|----------------|----------------------|----------------------|------------------------|-----------------------|------------------------|-------------------------------|
| 22                | 730                 | 400         | 50             | 43,6        | 90,0           | 0,81                 | 287,8                | 6,0                    | 1,9                   | 2,7                    | 0,715                         |

### CHARACTERISTIC DATA

|                         |                      |                   |                  |                    |                          |                   |                       |
|-------------------------|----------------------|-------------------|------------------|--------------------|--------------------------|-------------------|-----------------------|
| Frame                   | Cast Iron (GG20)     | Bearings          | Standart         |                    |                          | Drive End Bearing | Non Drive End Bearing |
| End Shield - DE and NDE | Cast Iron (GG20)     |                   | Heavy Duty       |                    |                          | 6314              | 6314                  |
| Foot                    | Ductile Iron (GGG40) |                   |                  |                    |                          | NU 314            | -                     |
| Fan                     | Plastic              | Special Equipment | Brake            | Forced ventilation | Heater                   | Encoder           | Heat sensor           |
| Terminal box            | Aluminium            |                   | ---              | ---                | <input type="checkbox"/> | ---               | ---                   |
| Cable Gland             | PA6.6 2 x Pg36       | Colour            | RAL 6028 - Green |                    |                          | Weight (kg)       | 350                   |



### 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 Pcs. | T   | LA                | LB  | LC    | L     | ØD   | E     | F    | GA   | GD   | DB  | R        |
| 225,0 | 356,0 | 311,0 | 149,0 | 436,0 | 434,0 | 300,0 | 371,0 | 442,0 | 504,0 | 19,0 | 450,0 | 350,0 | 400,0 | 19,0 | 8,0       | 5,0 | 18,0              | --- | 965,0 | 818,0 | 60,0 | 140,0 | 18,0 | 64,0 | 11,0 | M20 | 2 x Pg36 |

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.