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TECHNICAL SPECIFICATION SHEET

THREE PHASES SQUIRREL CAGE ASYNCHRONOUS MOTORS

| | | | |
|--------------------------------|-----------|-----------|---|
| Type | NMST 90L6 | | |
| Protection Class | IP55 | | |
| Duty Type / Service Factor | S1 | 1.0 | |
| Insulation Class | H | | |
| Construction Type /Frame | B3/ 90L6 | | |
| 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 (kgm ²) |
|-------------------|---------------------|-------------|----------------|-------------|----------------|----------------------|----------------------|------------------------|-----------------------|------------------------|--|
| 1,1 | 906 | 400 | 50 | 2,9 | 72,9 | 0,74 | 11,6 | 3,8 | 2,0 | 2,2 | 0,005 |

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 | | | 6205 ZZ | 6205 ZZ |
| Foot | Ductile Iron (GGG40) | | | | | - | - |
| Fan | Plastic | Special Equipment | Brake | Forced ventilation | Heater | Encoder | Heat sensor |
| Terminal box | Aluminium | | --- | --- | <input type="checkbox"/> | --- | --- |
| Cable Gland | PA6.6 2 x Pg13,5 | Colour | RAL 6028 - Green | | | Weight (kg) | 24 |



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 |
| 90,0 | 140,0 | 125,0 | 56,0 | 185,0 | 176,0 | 127,0 | 150,0 | 178,0 | - | 10,0 | 200,0 | 130,0 | 165,0 | 12,0 | 4,0 | 3,5 | 11,0 | --- | 385,0 | 324,0 | 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.