



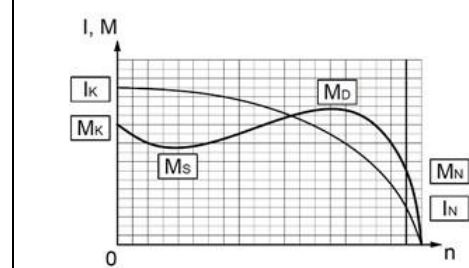
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TECHNICAL SPECIFICATION SHEET

THREE PHASES SQUIRREL CAGE ASYNCHRONOUS MOTORS

| | | | |
|--------------------------------|------------|------------|---|
| Type | NMSC 160Lb | | |
| Protection Class | IP55 | | |
| Duty Type / Service Factor | S1 | 1.0 | |
| Insulation Class | H | | |
| Construction Type /Frame | B35/ 160Lb | | |
| Altitude / Ambient temperature | 1000 m | 40 C° | |
| Customer / Date / Order Number | - | 11.01.2024 | - |



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) |
|-------------------|---------------------|------|-------------|----------------|-------------|------|----------------|----------------------|------|----------------------|------|------------------------|-----|-----------------------|-----|------------------------|-------------------------------|
| | 344 | 1442 | | | 12,0 | 22,0 | | 0,44 | 0,75 | 52,7 | 51,7 | 2,3 | 5,9 | 2,4 | 2,9 | | |
| 1,9-7,8 | 344 | 1442 | 400 | 50 | 12,0 | 22,0 | 90,0 | 0,44 | 0,75 | 52,7 | 51,7 | 2,3 | 5,9 | 2,4 | 2,9 | 2,8 | 0,129 |

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 | | | 6310 ZZ | 6310 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 Pg21 | Colour | RAL 6028 - Green | | | Weight (kg) | 176 |



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 |
| 160,0 | 254,0 | 254,0 | 108,0 | 318,0 | 310,0 | 236,0 | 304,0 | 315,0 | 373,0 | 15,0 | 350,0 | 250,0 | 300,0 | 19,0 | 4,0 | 5,0 | 18,0 | 541,0 | 729,0 | 613,0 | 42,0 | 110,0 | 12,0 | 45,0 | 8,0 | * | 2 x Pg21 |

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.