



TECHNICAL SPECIFICATION SHEET

THREE PHASES SQUIRREL CAGE ASYNCHRONOUS MOTORS

| | | | |
|--------------------------------|-------------------|------------|---|
| Type | VHS - DKPM-S 37/4 | | |
| Protection Class | IP23 | | |
| Duty Type / Service Factor | VFD S1 | 1.0 | |
| Insulation Class | F | | |
| Construction Type /Frame | V1 / 200 | | |
| 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 Ratio IK/IN | Starting Torque Ratio MK/MN | Breakdown Torque Ratio MD/MN | Permissible Axial Force (kN) |
|-------------------|---------------------|-------------|----------------|-------------|----------------|----------------------|----------------------|------------------------------|-----------------------------|------------------------------|------------------------------|
| 44,4 | 1752 | 460 | 60 | 72,8 | 88,00 | 0,87 | 242,0 | 6,00 | 2,00 | 2,40 | 2211,0 |

CHARACTERISTIC DATA

| | | | | | |
|-------------------------|------------------|-------------------|-------------------|-----------------------|------|
| Frame | Steel Plate | Bearings | Drive End Bearing | Non Drive End Bearing | |
| End Shield - DE and NDE | Cast Iron (GG20) | | Standart | 7220 | 6212 |
| Foot | - | | | | |
| Fan | Aluminium | Special Equipment | None | | |
| Terminal box | Cast Iron (GG20) | Colour | RAL 2011 - Orange | | |
| Cable Gland | PA6.6 - Pg29 | Weight (kg) | 325 | | |



DIMENSIONS (mm) (Frame and Coupling)

| Frame | | | | | | | | | | | Coupling | | | |
|-------|-------|-------|-------|------|-------|-------|-------|-------|------|------|----------|-----|------|------|
| H | AK | AJ | BD | AA | CD | AG | AB | P | XG | BF | BX | EW | BZ | R |
| 24,0 | 343,0 | 375,0 | 430,0 | Pg29 | 796,0 | 875,0 | 305,0 | 370,0 | 33,5 | 17,5 | 30,2 | 6,4 | 44,5 | 33,2 |

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.