



TECHNICAL SPECIFICATION SHEET

THREE PHASES SQUIRREL CAGE ASYNCHRONOUS MOTORS

| | | | |
|--------------------------------|-------------------|------------|---|
| Type | VHS - DKPM-S 90/2 | | |
| Protection Class | IP23 | | |
| Duty Type / Service Factor | VFD S1 | 1.0 | |
| Insulation Class | F | | |
| Construction Type /Frame | V1 / 280 | | |
| Altitude / Ambient temperature | 1000 m | 40 C° | |
| Customer / Date / Order Number | - | 10.07.2023 | - |

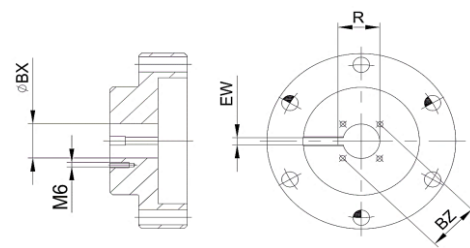


PERFORMANCE DATA (FULL LOAD)

| Rated Output (kW) | Rated Speed (1/min) | Voltage (V) | Frequency (Hz) | Current (A) | Efficiency (%) | Power Factor (Cos φ) | Rated Torque MN (Nm) | Starting Current Ratio IK/IN | Starting Torque Ratio MK/MN | Breakdown Torque Ratio MD/MN | Permissible Axial Force (kN) |
|-------------------|---------------------|-------------|----------------|-------------|----------------|----------------------|----------------------|------------------------------|-----------------------------|------------------------------|------------------------------|
| 90 | 2955 | 380 | 50 | 164,8 | 92,20 | 0,90 | 290,9 | 7,20 | 2,30 | 3,10 | 2101,0 |

CHARACTERISTIC DATA

| | | | | | |
|-------------------------|------------------|-------------------|-------------------|-----------------------|------|
| Frame | Steel Plate | Bearings | Drive End Bearing | Non Drive End Bearing | |
| End Shield - DE and NDE | Cast Iron (GG20) | | Standart | 7222 | 6315 |
| Foot | - | | | | |
| Fan | Aluminium | Special Equipment | None | | |
| Terminal box | Cast Iron (GG20) | Colour | RAL 2011 - Orange | | |
| Cable Gland | PA6.6 - Pg36 | Weight (kg) | 490 | | |



DIMENSIONS (mm) (Frame and Coupling)

| Frame | | | | | | | | | | | Coupling | | | |
|-------|-------|-------|-------|------|-------|--------|-------|-------|------|------|----------|-----|------|------|
| H | AK | AJ | BD | AA | CD | AG | AB | P | XG | BF | BX | EW | BZ | R |
| 30,0 | 343,0 | 375,0 | 430,0 | Pg36 | 946,0 | 1050,0 | 319,0 | 442,0 | 38,5 | 17,5 | 38,2 | 9,5 | 54,0 | 42,4 |

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.