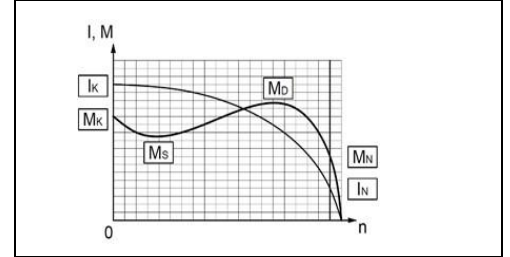




TECHNICAL SPECIFICATION SHEET

THREE PHASES SQUIRREL CAGE ASYNCHRONOUS MOTORS

| | | | |
|--------------------------------|---------------|------------|---|
| Type | VEMS 90-4-181 | | |
| Protection Class | IP55 | | |
| Duty Type / Service Factor | S1 | 1.0 | |
| Insulation Class | F | | |
| Altitude / Ambient temperature | 1000,0 m | 40 C° | |
| Customer / Date / Order Number | - | 10.07.2023 | - |



PERFORMANCE DATA (FULL LOAD)

| Construction Type /Frame | Model | Max. %100 (kgf) | Current (A) | Rated Output (kW) | Static Moment(kg mm) | Bearing | Weight (kg) | Vibrating Force (Centrifugal Force) (kg) | | | | | |
|--------------------------|-------|-----------------|-------------|-------------------|----------------------|---------|-------------|--|------------|------------|------------|------------|----------|
| | | | | | | | | Max. %100 | 2.Kad. %95 | 3.Kad. %85 | 4.Kad. %70 | 5.Kad. %50 | Min. %30 |
| 90-4-181 | 2 | 1812 | 2,0 | 1,1 | 720,0 | NJ 2307 | 58 | 1812,0 | 1750,0 | 1569,0 | 1281,0 | 906,0 | 469,0 |

CHARACTERISTIC DATA

| | | | | | |
|--------------|----------------------|-------------------|---------------------------------|--------------------------------------|---|
| Frame | Ductile Iron (GGG40) | Bearing | NJ 2307 | | |
| Terminal box | Ductile Iron(GGG40) | Special Equipment | <input type="checkbox"/> Heater | <input type="checkbox"/> Heat sensor | - |
| Cable Gland | Pg 11 | Colour | RAL 6028 - Green | | |

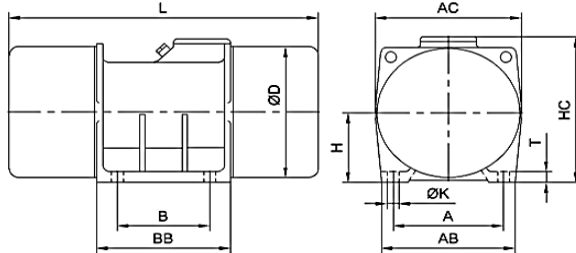
MODEL 1



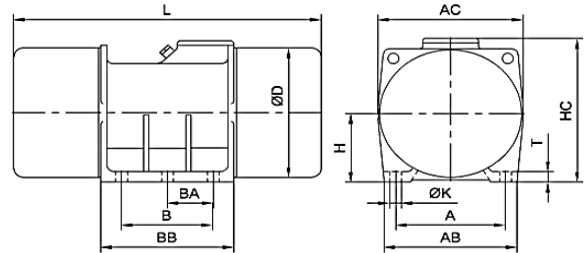
MODEL 2



MODEL 3A



MODEL 3B



DIMENSIONS (mm)

| Construction Type / Frame | Model | Power (kW) | A | AB | AC | B | BB | BA | D | H | HC | K | T | L |
|---------------------------|-------|------------|-------|-------|----|------|-------|----|-------|-------|-------|------|------|-------|
| 90-4-181 | 2 | 1,1 | 180,0 | 215,0 | - | 95,0 | 137,0 | - | 203,0 | 105,0 | 245,0 | 17,0 | 50,0 | 530,0 |

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.