



TECHNICAL SPECIFICATION SHEET

THREE PHASES SQUIRREL CAGE ASYNCHRONOUS MOTORS

| | | | |
|--------------------------------|----------------|------------|---|
| Type | VEMS 160-6-705 | | |
| 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 |
| 160-6-705 | 3B | 7054 | 8,1 | 4,5 | 6311,0 | NJ 2315 | 290 | 7054,0 | 6814,0 | 6109,0 | 4988,0 | 3527,0 | 1826,0 |

CHARACTERISTIC DATA

| | | | | | |
|--------------|----------------------|-------------------|---------------------------------|--------------------------------------|---|
| Frame | Ductile Iron (GGG40) | Bearing | NJ 2315 | | |
| Terminal box | Ductile Iron(GGG40) | Special Equipment | <input type="checkbox"/> Heater | <input type="checkbox"/> Heat sensor | - |
| Cable Gland | Pg 11 - Pg 13,5 | Colour | RAL 6028 - Green | | |

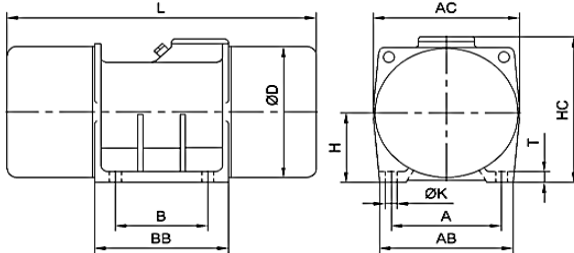
MODEL 1



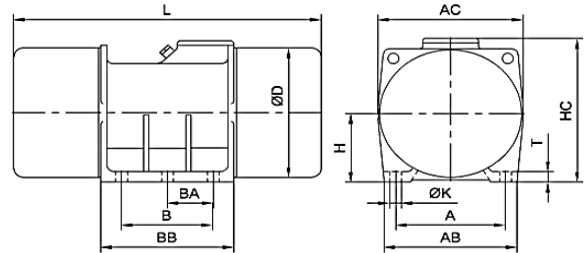
MODEL 2



MODEL 3A



MODEL 3B



DIMENSIONS (mm)

| Construction Type / Frame | Model | Power (kW) | A | AB | AC | B | BB | BA | D | H | HC | K | T | L |
|---------------------------|-------|------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|-------|
| 160-6-705 | 3B | 4,5 | 320,0 | 390,0 | 372,0 | 200,0 | 334,0 | 100,0 | 348,0 | 190,0 | 396,0 | 28,0 | 30,0 | 855,0 |

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.