



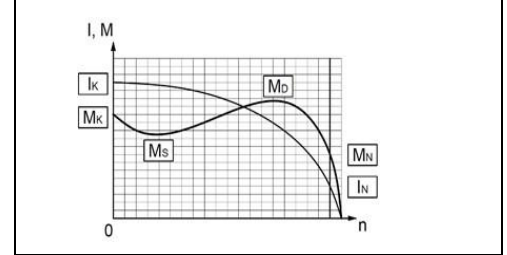
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## TECHNICAL SPECIFICATION SHEET

### THREE PHASES SQUIRREL CAGE ASYNCHRONOUS MOTORS

|                                |                |            |   |
|--------------------------------|----------------|------------|---|
| Type                           | VEMS 100-10-59 |            |   |
| 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 | -              | 18.09.2025 | - |



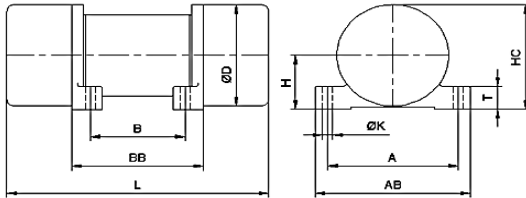
### PERFORMANCE DATA ( FULL LOAD )

| 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 |
| 100-10-59                | 1     | 590             | 1,21        | 0,50              | 1467,0               | 6406,0  | 69          | 590,0                                    | 570,0      | 511,0      | 417,0      | 295,0      | 153,0    |

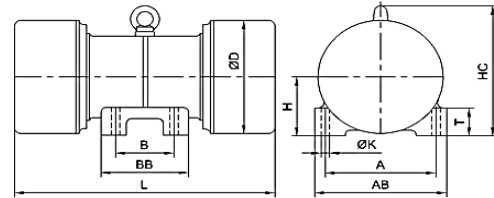
### CHARACTERISTIC DATA

|              |                      |                   |                                 |                                      |   |
|--------------|----------------------|-------------------|---------------------------------|--------------------------------------|---|
| Frame        | Ductile Iron (GGG40) | Bearing           | 6406                            |                                      |   |
|              |                      | Special Equipment | <input type="checkbox"/> Heater | <input type="checkbox"/> Heat sensor | - |
| Terminal box | Ductile Iron(GGG40)  | Colour            | RAL 6028 - Green                |                                      |   |
| Cable Gland  | Pg 13,5              |                   |                                 |                                      |   |

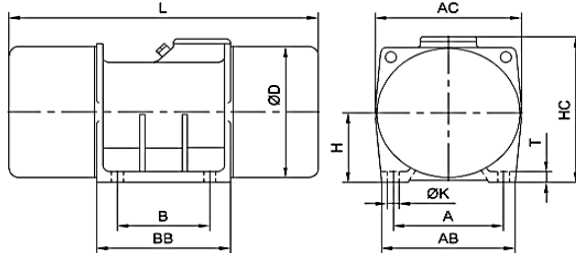
MODEL 1



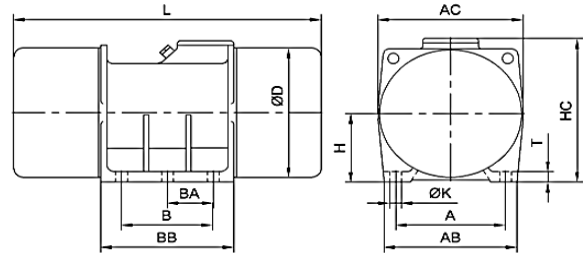
MODEL 2



MODEL 3A



MODEL 3B



### DIMENSIONS (mm)

| Construction Type / Frame | Model | Power (kW) | A     | AB    | AC    | B     | BB    | BA | D     | H     | HC    | K    | T    | L     |
|---------------------------|-------|------------|-------|-------|-------|-------|-------|----|-------|-------|-------|------|------|-------|
|                           |       |            | 226,0 | 262,0 | 254,0 | 118,0 | 178,0 | -  | 253,0 | 135,0 | 262,0 | 17,0 | 45,0 | 430,0 |

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.