



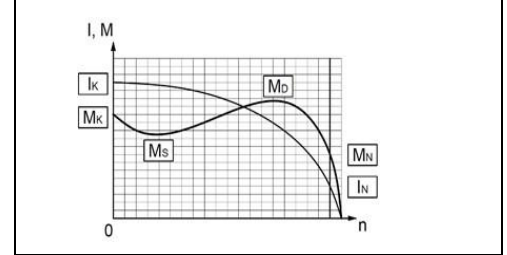
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## TECHNICAL SPECIFICATION SHEET

### 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 | -             | 18.09.2025 | - |



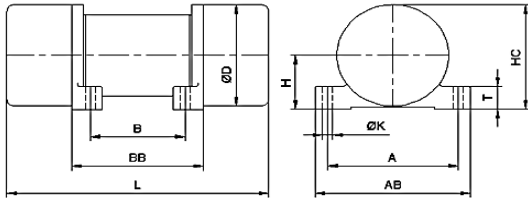
### PERFORMANCE DATA ( FULL LOAD )

| 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 |
| 90-4-181                 | 2     | 1812            | 2,10        | 1,10              | 720,0                | NJ 2307 | 58          | 1812,0                                   | 1750,0     | 1569,0     | 1281,0     | 906,0      | 469,0    |

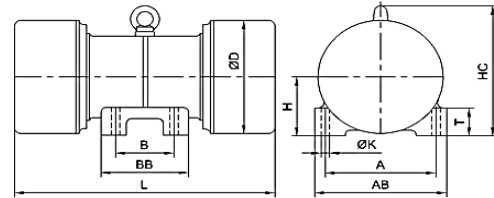
### CHARACTERISTIC DATA

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

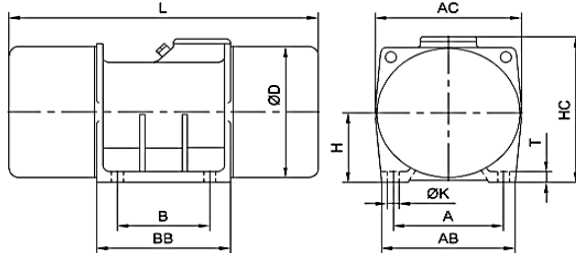
MODEL 1



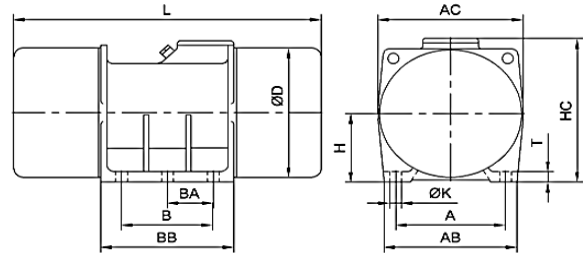
MODEL 2



MODEL 3A



MODEL 3B



### DIMENSIONS (mm)

| Construction Type / Frame | Model | Power (kW) | A     | AB    | AC | B    | BB    | BA | D     | H     | HC    | K    | T    | L     |
|---------------------------|-------|------------|-------|-------|----|------|-------|----|-------|-------|-------|------|------|-------|
|                           |       |            | 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.