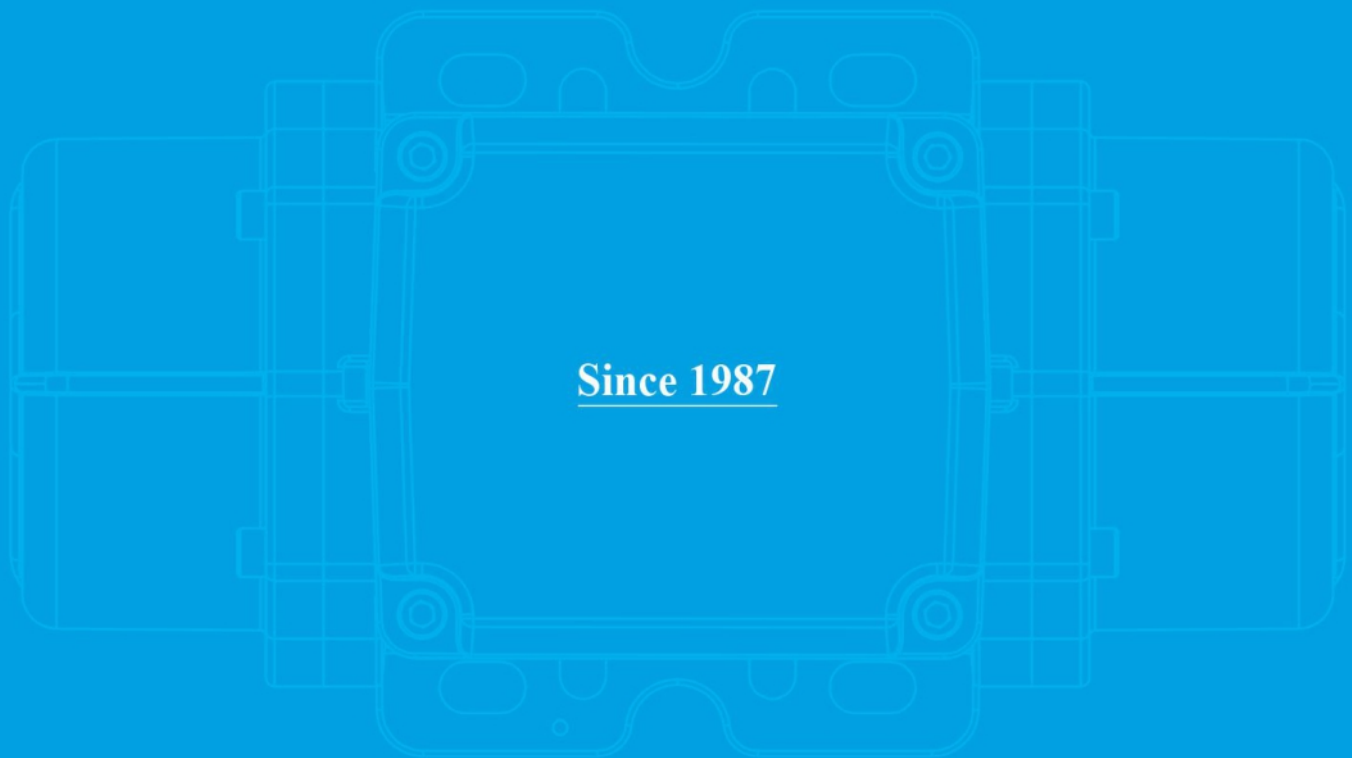




ISO 9001:2015 CERTIFIED COMPANY



Since 1987

**MFG. OF : ALL TYPE OF VIBRATOR MOTOR**



## Company Profile

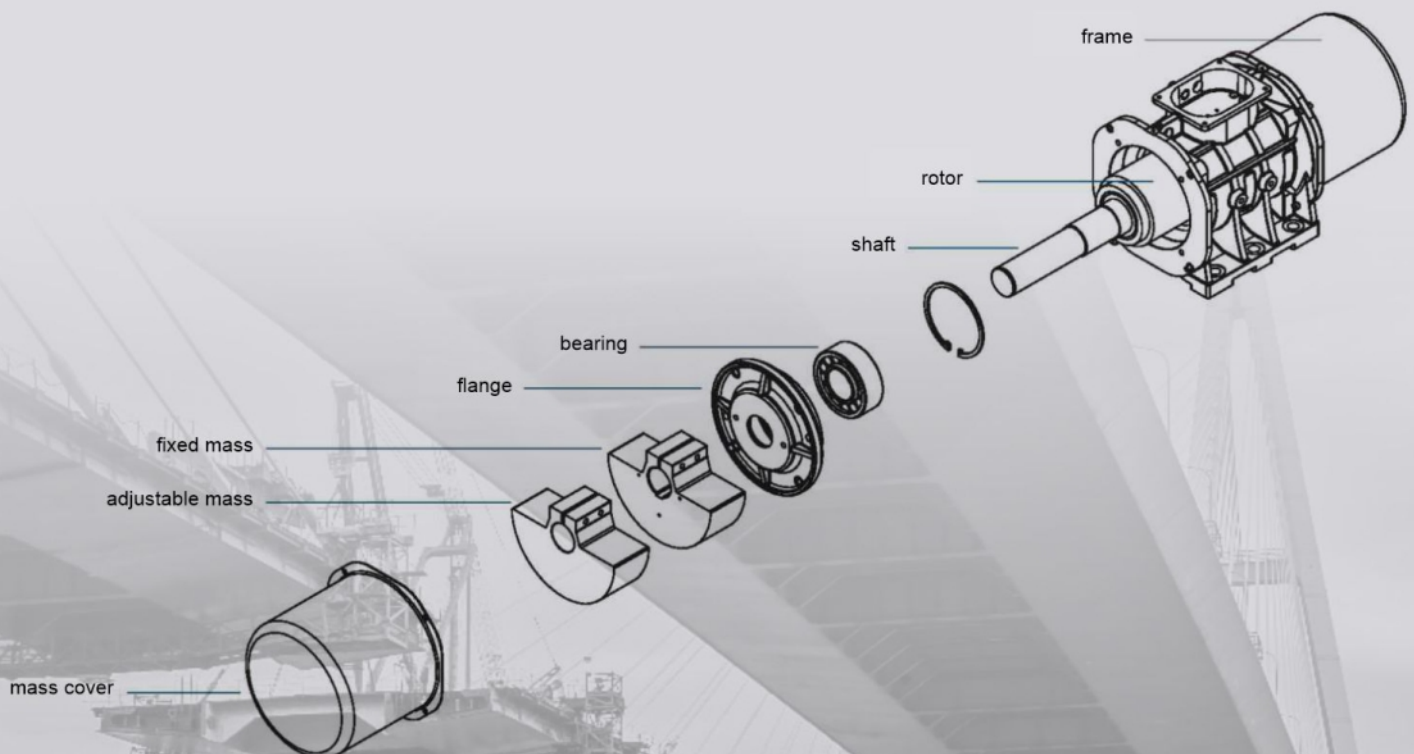
Complete Range Of Electric Internal And External Vibrators.

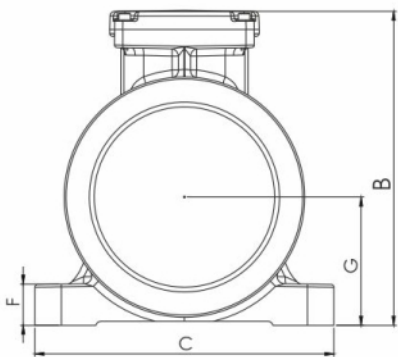
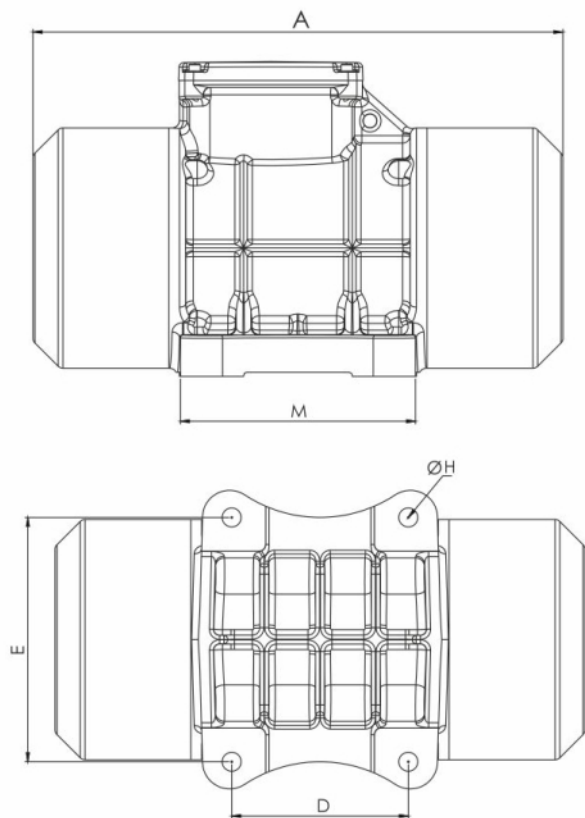
By Supplying Competitive, High Quality Products For Wide - ranging Applications, Deep Combines Performance And Reliability By Adapting To The Ever-changing Market. A Strong Believer In Innovation,

The Key Focus Of Deep's Business Strategy Is Rapid Stock Delivery, Any Time, Anywhere In The World. Excellent Customer Service Is Of Pivotal.

### Importance:

The Company Guarantees Quick Order Processing And Customers Worldwide Can Enjoy Access To The Same High Quality Product And Services. Deep Has Access To Credible Expertise When It Comes To Finding Suitable Solutions To Customers' Requests. A Team Of Engineers Specialized In Designing Efficient, Reliable And Safe Solutions.





### TECHNICAL SPECIFICATION

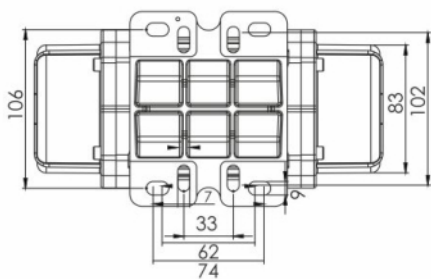
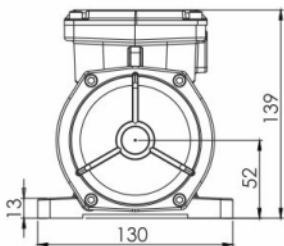
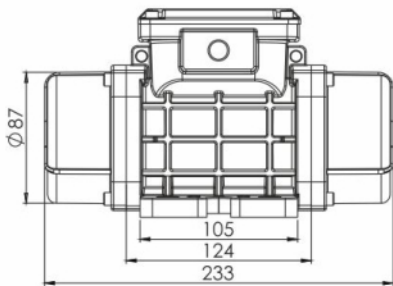
| Model       | Input power | Voltage  | Current | Force | Frequency | Rpm  |
|-------------|-------------|----------|---------|-------|-----------|------|
|             | (W)         | (V)      | (A)     | (N)   | (Hz)      |      |
| DNVM 0.37/1 | 370W        | 230V±10% | 1.5     | 3500  | 50±3%     | 3000 |
| DNVM 0.37/3 | 370W        | 415V±10% | 1.1     | 3500  | 50±3%     | 3000 |
| DNVM 0.75/1 | 750W        | 230V±10% | 2.5     | 8000  | 50±3%     | 3000 |
| DNVM 0.75/3 | 750W        | 415V±10% | 1.5     | 8000  | 50±3%     | 3000 |
| DNVM 1.5/1  | 1500W       | 230V±10% | 4.5     | 11900 | 50±3%     | 3000 |
| DNVM 1.5/3  | 1500W       | 415V±10% | 3.0     | 11900 | 50±3%     | 3000 |
| DNVM 2.2/1  | 2200W       | 230V±10% | 7.0     | 16500 | 50±3%     | 3000 |
| DNVM 2.2/3  | 2200W       | 415V±10% | 5.0     | 16500 | 50±3%     | 3000 |

| Model       | A   | B   | C   | D   | E   | F  | G   | øH   | M   | Weight (Kg) |
|-------------|-----|-----|-----|-----|-----|----|-----|------|-----|-------------|
| DNVM 0.37/1 | 310 | 170 | 160 | 90  | 125 | 21 | 76  | 4×13 | 125 | 11          |
| DNVM 0.37/3 | 310 | 170 | 160 | 90  | 125 | 21 | 76  | 4×13 | 125 | 11          |
| DNVM 0.75/1 | 315 | 195 | 175 | 90  | 140 | 25 | 85  | 4×13 | 125 | 14          |
| DNVM 0.75/3 | 315 | 195 | 175 | 90  | 140 | 25 | 85  | 4×13 | 125 | 14          |
| DNVM 1.5/1  | 360 | 220 | 205 | 100 | 170 | 27 | 98  | 4×14 | 135 | 19          |
| DNVM 1.5/3  | 360 | 220 | 205 | 100 | 170 | 27 | 98  | 4×14 | 135 | 19          |
| DNVM 2.2/1  | 380 | 235 | 220 | 130 | 180 | 32 | 105 | 4×14 | 175 | 23          |
| DNVM 2.2/3  | 380 | 235 | 220 | 130 | 180 | 32 | 105 | 4×14 | 175 | 23          |

\* all dimensions in mm

# VIBRATOR MOTOR

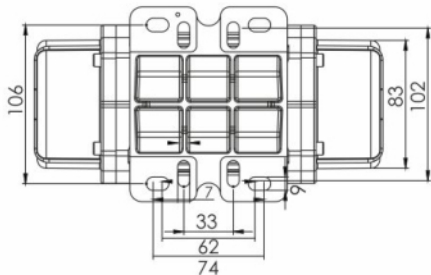
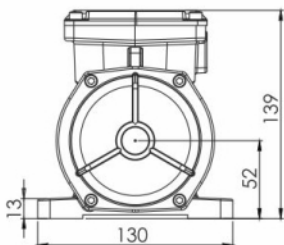
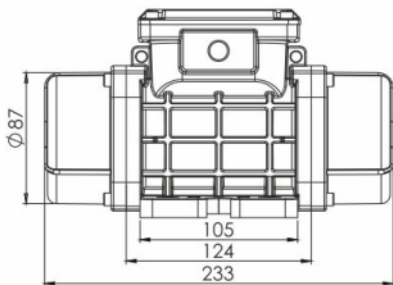
## DA-60



### TECHNICAL SPECIFICATION

| Model                      | DA-60         |          |
|----------------------------|---------------|----------|
| Frequency                  | 50Hz          | 60Hz     |
| Centrifugal Force (N)      | 660           | 670      |
| Working Moment (Kg-cm)     | 1.35          | 0.82     |
| Suitable For Vibrating Max | 50            | 50       |
| Weight Of (Kgs)            |               |          |
| Rpm                        | 3000          | 3600     |
| Input Power (Kw)           | 0.08          | 0.09     |
| Input Voltage              | 230/415V      | 260/460V |
| Input Current              | 0.16A         | 0.18A    |
| Enclosure                  | IP-66         |          |
| Bearing                    | 6202          |          |
| Ambient Temperature        | -10°C to 60°C |          |
| Unit Weight (Kgs)          | 4.8           | 4.8      |

## DA-100



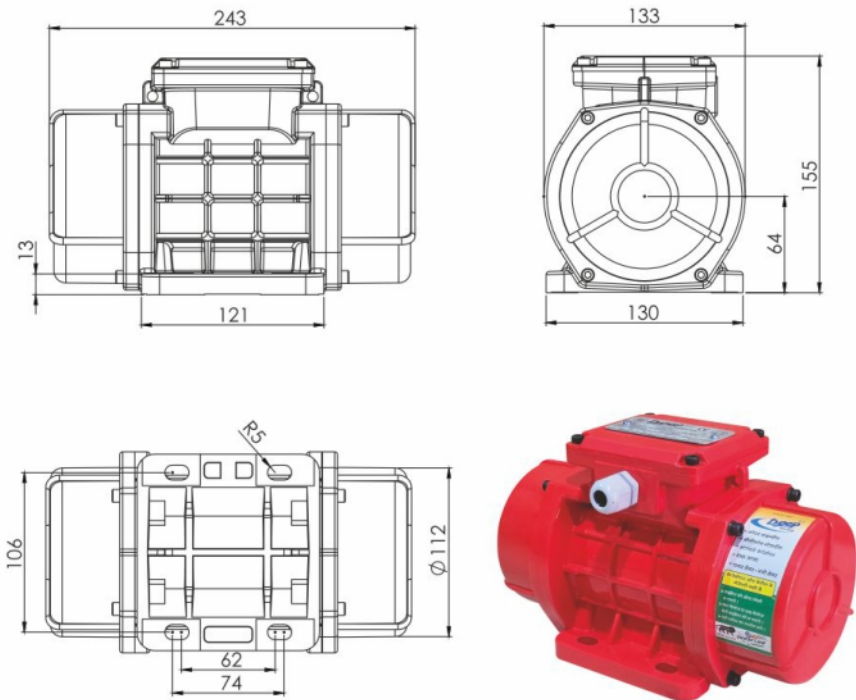
### TECHNICAL SPECIFICATION

| Model                      | DA-100        |          |
|----------------------------|---------------|----------|
| Frequency                  | 50Hz          | 60Hz     |
| Centrifugal Force (N)      | 980           | 1080     |
| Working Moment (Kg-cm)     | 2.01          | 1.52     |
| Suitable For Vibrating Max | 55            | 55       |
| Weight Of (Kgs)            |               |          |
| Rpm                        | 3000          | 3600     |
| Input Power (Kw)           | 0.1           | 0.11     |
| Input Voltage              | 230/415V      | 260/460V |
| Input Current              | 0.19A         | 0.20A    |
| Enclosure                  | IP-66         |          |
| Bearing                    | 6202          |          |
| Ambient Temperature        | -10°C to 60°C |          |
| Unit Weight (Kgs)          | 5             | 5        |

# VIBRATOR MOTOR



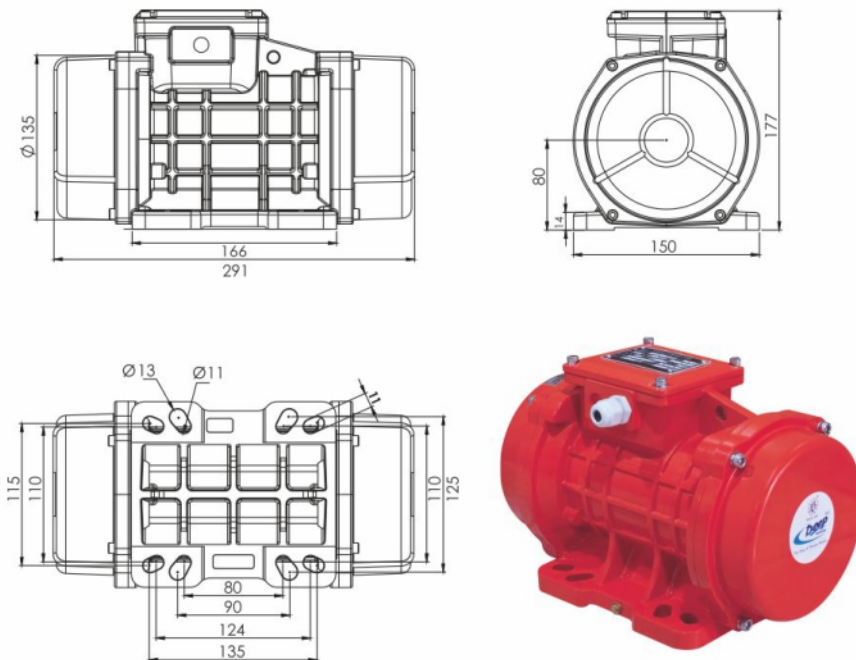
## DA-200



### TECHNICAL SPECIFICATION

| Model                      | DA-200        |          |
|----------------------------|---------------|----------|
| Frequency                  | 50Hz          | 60Hz     |
| Centrifugal Force (N)      | 1870          | 1890     |
| Working Moment (Kg-cm)     | 3.72          | 2.61     |
| Suitable For Vibrating Max | 75            | 75       |
| Weight Of (Kgs)            |               |          |
| Rpm                        | 3000          | 3600     |
| Input Power (Kw)           | 0.18          | 0.21     |
| Input Voltage              | 230/415V      | 260/460V |
| Input Current              | 0.35A         | 0.35A    |
| Enclosure                  | IP-66         |          |
| Bearing                    | 6203          |          |
| Ambient Temperature        | -10°C to 60°C |          |
| Unit Weight (Kgs)          | 7             | 7        |

## DA-300

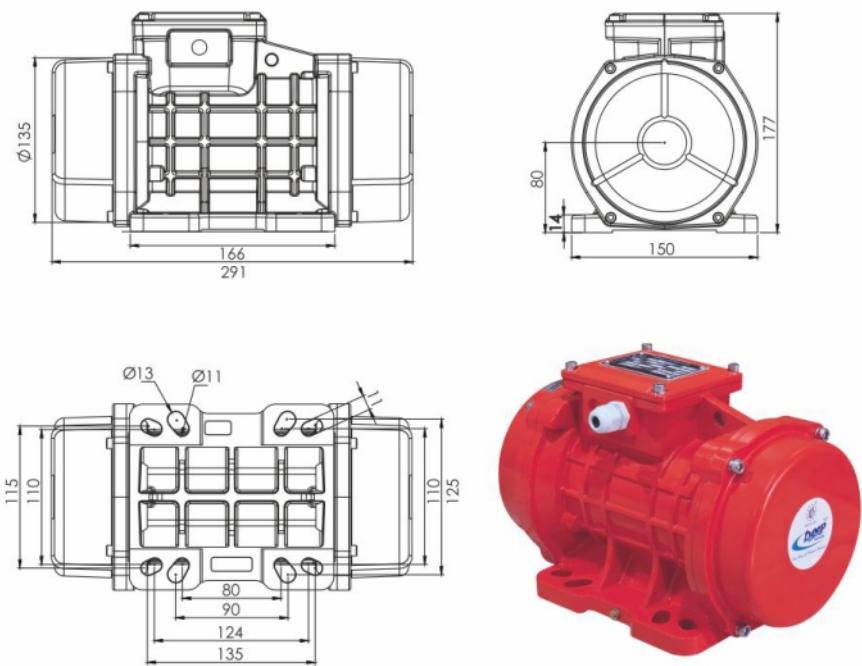


### TECHNICAL SPECIFICATION

| Model                      | DA-300        |          |
|----------------------------|---------------|----------|
| Frequency                  | 50Hz          | 60Hz     |
| Centrifugal Force (N)      | 3200          | 3230     |
| Working Moment (Kg-cm)     | 6.19          | 4.46     |
| Suitable For Vibrating Max | 175           | 175      |
| Weight Of (Kgs)            |               |          |
| Rpm                        | 3000          | 3600     |
| Input Power (Kw)           | 0.27          | 0.28     |
| Input Voltage              | 230/415V      | 260/460V |
| Input Current              | 0.52A         | 0.45A    |
| Enclosure                  | IP-66         |          |
| Bearing                    | 6204          |          |
| Ambient Temperature        | -10°C to 60°C |          |
| Unit Weight (Kgs)          | 10.3          | 10.3     |

# VIBRATOR MOTOR

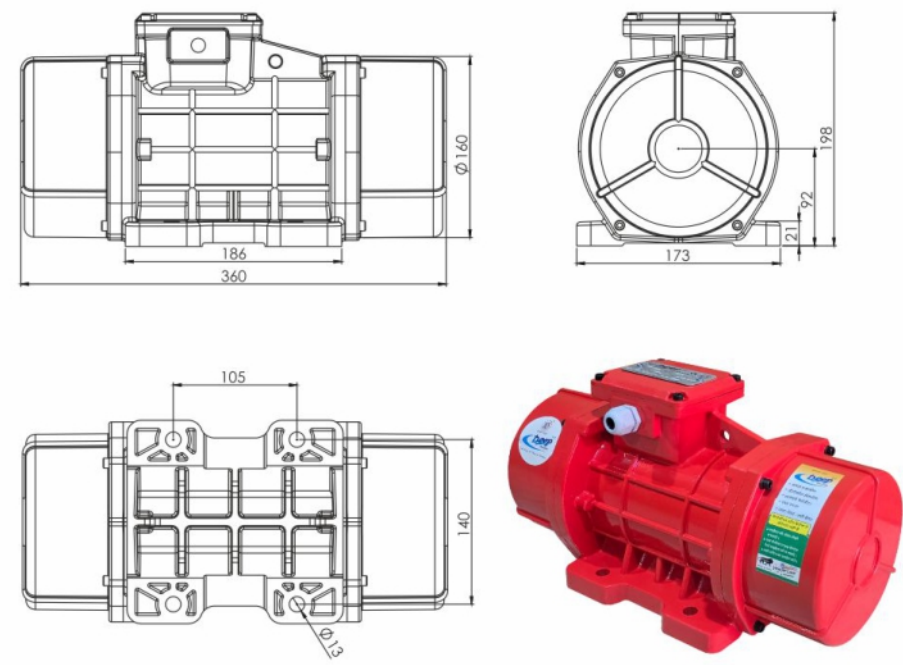
## DA-400



### TECHNICAL SPECIFICATION

| Model                      | DA-400        |          |
|----------------------------|---------------|----------|
| Frequency                  | 50Hz          | 60Hz     |
| Centrifugal Force (N)      | 4000          | 4110     |
| Working Moment (Kg-cm)     | 7.96          | 5.68     |
| Suitable For Vibrating Max | 225           | 225      |
| Weight Of (Kgs)            |               |          |
| Rpm                        | 3000          | 3600     |
| Input Power (Kw)           | 0.3           | 0.36     |
| Input Voltage              | 230/415V      | 260/460V |
| Input Current              | 0.58A         | 0.6A     |
| Enclosure                  | IP-66         |          |
| Bearing                    | 6204          |          |
| Ambient Temperature        | -10°C to 60°C |          |
| Unit Weight (Kgs)          | 12            | 12       |

## DA-500



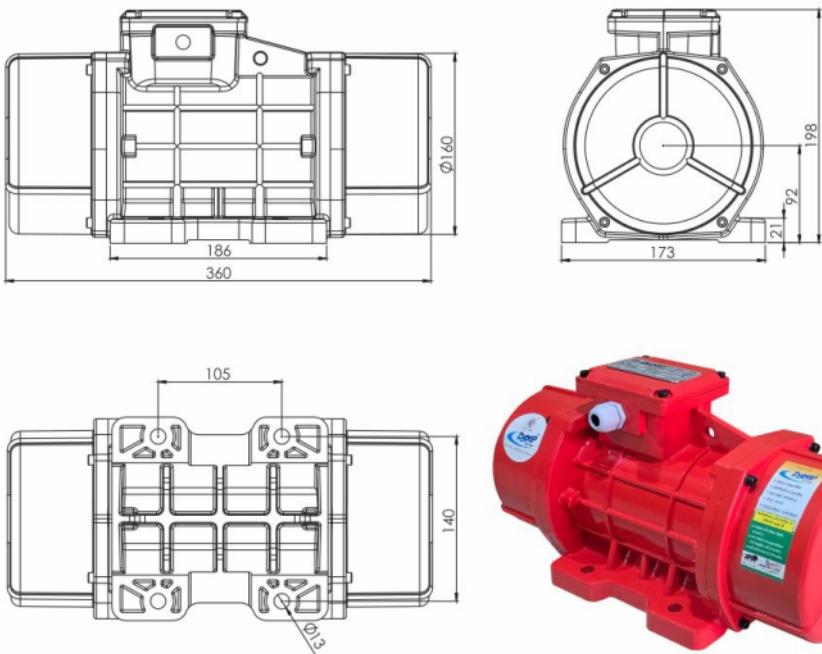
### TECHNICAL SPECIFICATION

| Model                      | DA-500        |          |
|----------------------------|---------------|----------|
| Frequency                  | 50Hz          | 60Hz     |
| Centrifugal Force (N)      | 5200          | 5340     |
| Working Moment (Kg-cm)     | 10.27         | 7.38     |
| Suitable For Vibrating Max | 300           | 300      |
| Weight Of (Kgs)            |               |          |
| Rpm                        | 3000          | 3600     |
| Input Power (Kw)           | 0.5           | 0.58     |
| Input Voltage              | 230/415V      | 260/460V |
| Input Current              | 0.96A         | 0.97A    |
| Enclosure                  | IP-66         |          |
| Bearing                    | 6305          |          |
| Ambient Temperature        | -10°C to 60°C |          |
| Unit Weight (Kgs)          | 19.2          | 19.2     |

# VIBRATOR MOTOR



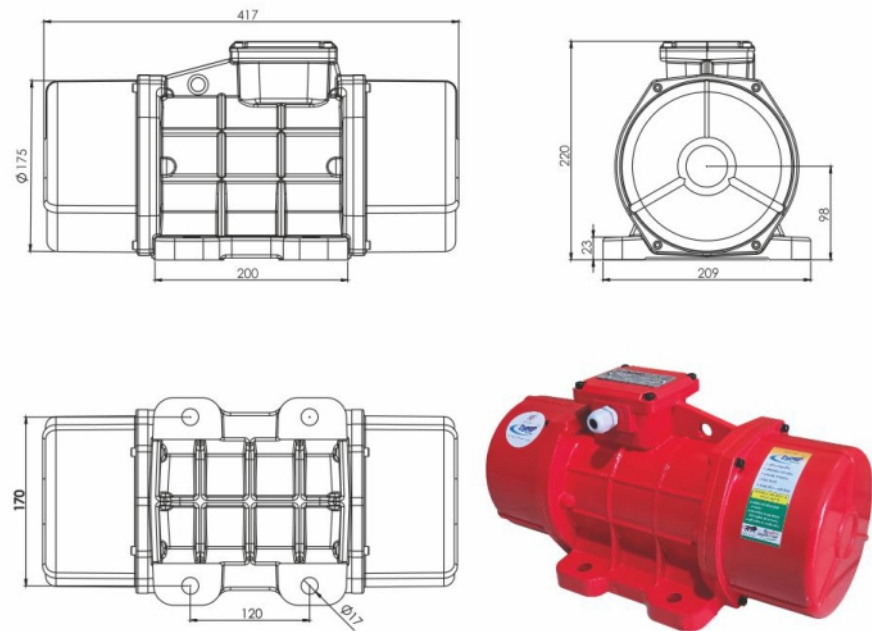
## DA-700



### TECHNICAL SPECIFICATION

| Model                      | DA-700        |          |
|----------------------------|---------------|----------|
| Frequency                  | 50Hz          | 60Hz     |
| Centrifugal Force (N)      | 7500          | 7650     |
| Working Moment (Kg-cm)     | 14.9          | 10.57    |
| Suitable For Vibrating Max | 375           | 375      |
| Weight Of (Kgs)            |               |          |
| Rpm                        | 3000          | 3600     |
| Input Power (Kw)           | 0.66          | 0.75     |
| Input Voltage              | 230/415V      | 260/460V |
| Input Current              | 1.25A         | 1.24A    |
| Enclosure                  | IP-66         |          |
| Bearing                    | 6305          |          |
| Ambient Temperature        | -10°C to 60°C |          |
| Unit Weight (Kgs)          | 20            | 20       |

## DA-800

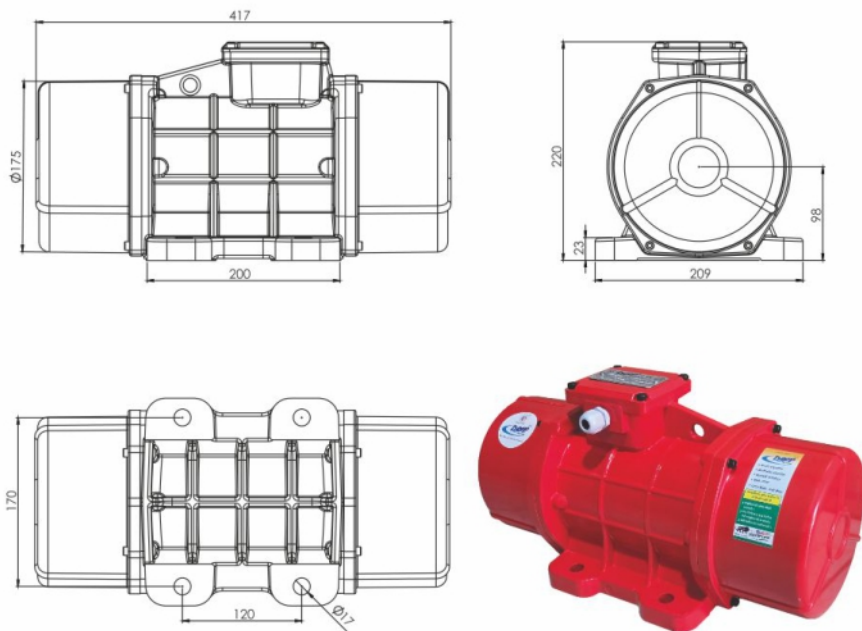


### TECHNICAL SPECIFICATION

| Model                      | DA-800        |          |
|----------------------------|---------------|----------|
| Frequency                  | 50Hz          | 60Hz     |
| Centrifugal Force (N)      | 7700          | 8000     |
| Working Moment (Kg-cm)     | 15.68         | 11.06    |
| Suitable For Vibrating Max | 500           | 500      |
| Weight Of (Kgs)            |               |          |
| Rpm                        | 3000          | 3600     |
| Input Power (Kw)           | 0.75          | 0.9      |
| Input Voltage              | 230/415V      | 260/460V |
| Input Current              | 1.45A         | 1.5A     |
| Enclosure                  | IP-66         |          |
| Bearing                    | 6306          |          |
| Ambient Temperature        | -10°C to 60°C |          |
| Unit Weight (Kgs)          | 22.7          | 22.7     |

# VIBRATOR MOTOR

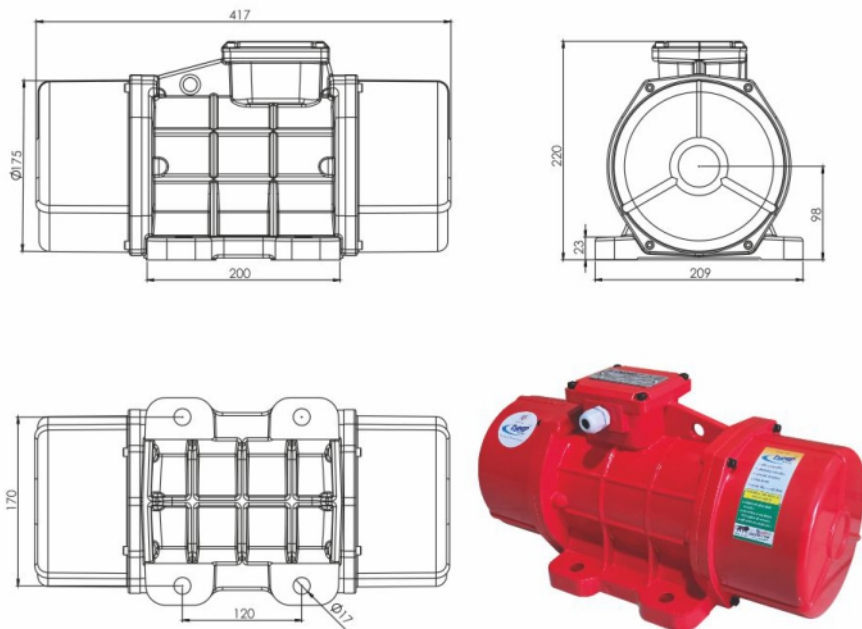
## DA-1200



### TECHNICAL SPECIFICATION

| Model                      | DA-1200       |          |
|----------------------------|---------------|----------|
| Frequency                  | 50Hz          | 60Hz     |
| Centrifugal Force (N)      | 9800          | 10130    |
| Working Moment (Kg-cm)     | 20.26         | 14       |
| Suitable For Vibrating Max | 750           | 750      |
| Weight Of (Kgs)            |               |          |
| Rpm                        | 3000          | 3600     |
| Input Power (Kw)           | 0.95          | 1.15     |
| Input Voltage              | 230/415V      | 260/460V |
| Input Current              | 1.85A         | 1.95A    |
| Enclosure                  | IP-66         |          |
| Bearing                    | 6306          |          |
| Ambient Temperature        | -10°C to 60°C |          |
| Unit Weight (Kgs)          | 23.7          | 23.7     |

## DA-1300



### TECHNICAL SPECIFICATION

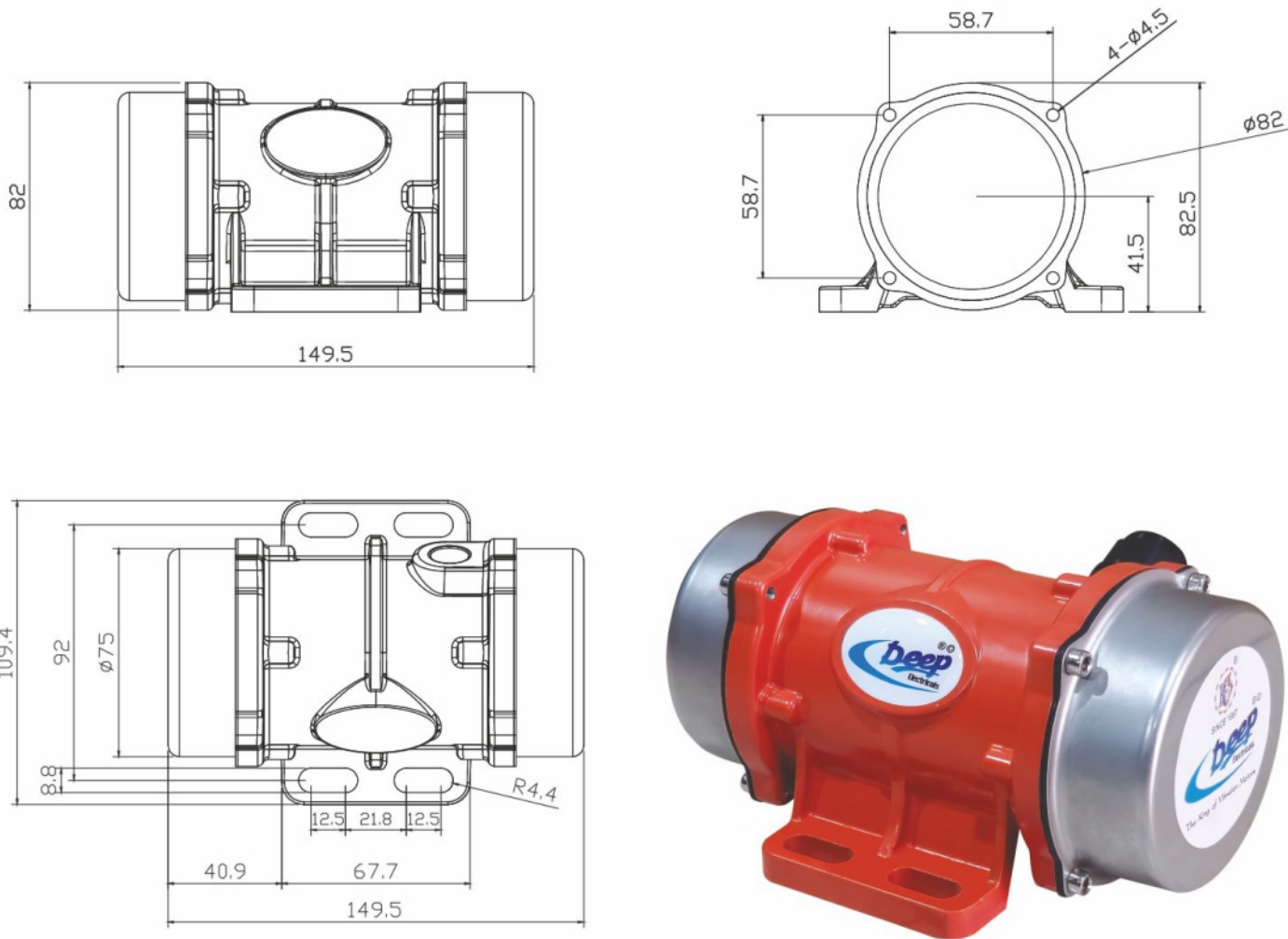
| Model                      | DA-1300       |          |
|----------------------------|---------------|----------|
| Frequency                  | 50Hz          | 60Hz     |
| Centrifugal Force (N)      | 13300         | 13650    |
| Working Moment (Kg-cm)     | 27.58         | 18.86    |
| Suitable For Vibrating Max | 850           | 850      |
| Weight Of (Kgs)            |               |          |
| Rpm                        | 3000          | 3600     |
| Input Power (Kw)           | 1.3           | 1.38     |
| Input Voltage              | 230/415V      | 260/460V |
| Input Current              | 2.44A         | 2.25A    |
| Enclosure                  | IP-66         |          |
| Bearing                    | 6306          |          |
| Ambient Temperature        | -10°C to 60°C |          |
| Unit Weight (Kgs)          | 24.2          | 24.2     |

# VIBRATOR MOTOR



## MICRO VIBRATOR

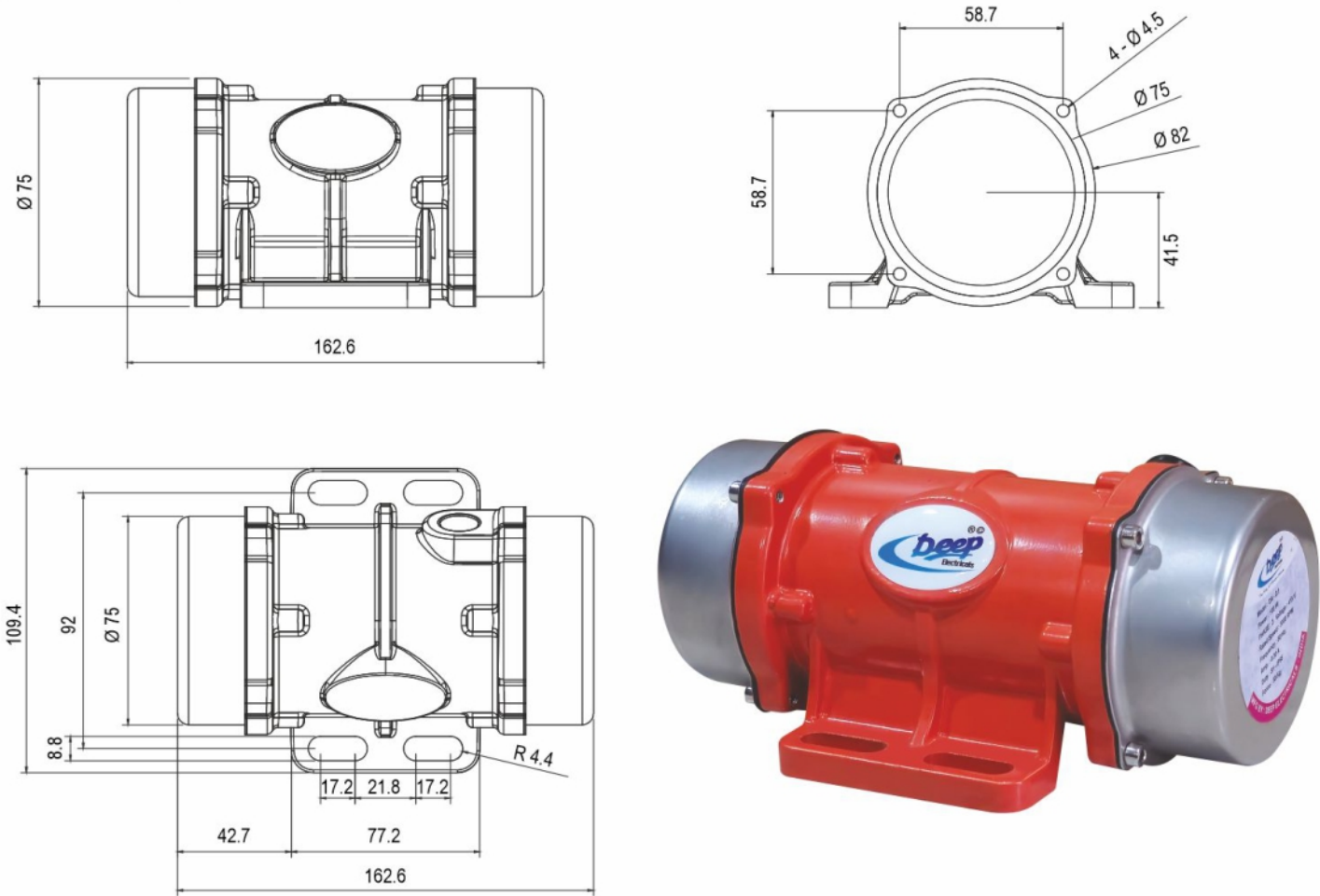
(15w - 40w)



### TECHNICAL SPECIFICATION

| Model      | Voltage  | Current | Input power | Force | Frequency | Rpm  | Motor Weight |
|------------|----------|---------|-------------|-------|-----------|------|--------------|
|            | (V)      | (A)     | (W)         | (Kg)  | (Hz)      |      | (Kg)         |
| DA-0.015/1 | 230V±10% | 0.10    | 15          | 10    | 50±3%     | 3000 | 1.5          |
| DA-0.015/3 | 415V±10% | 0.06    | 15          | 10    | 50±3%     | 3000 | 1.5          |
| DA-0.02/1  | 230V±10% | 0.13    | 20          | 15    | 50±3%     | 3000 | 1.5          |
| DA-0.02/3  | 415V±10% | 0.08    | 20          | 15    | 50±3%     | 3000 | 1.5          |
| DA-0.03/1  | 230V±10% | 0.13    | 30          | 20    | 50±3%     | 3000 | 1.6          |
| DA-0.03/3  | 415V±10% | 0.10    | 30          | 20    | 50±3%     | 3000 | 1.6          |
| DA-0.04/1  | 230V±10% | 0.18    | 40          | 25    | 50±3%     | 3000 | 1.65         |
| DA-0.04/3  | 415V±10% | 0.14    | 40          | 25    | 50±3%     | 3000 | 1.65         |

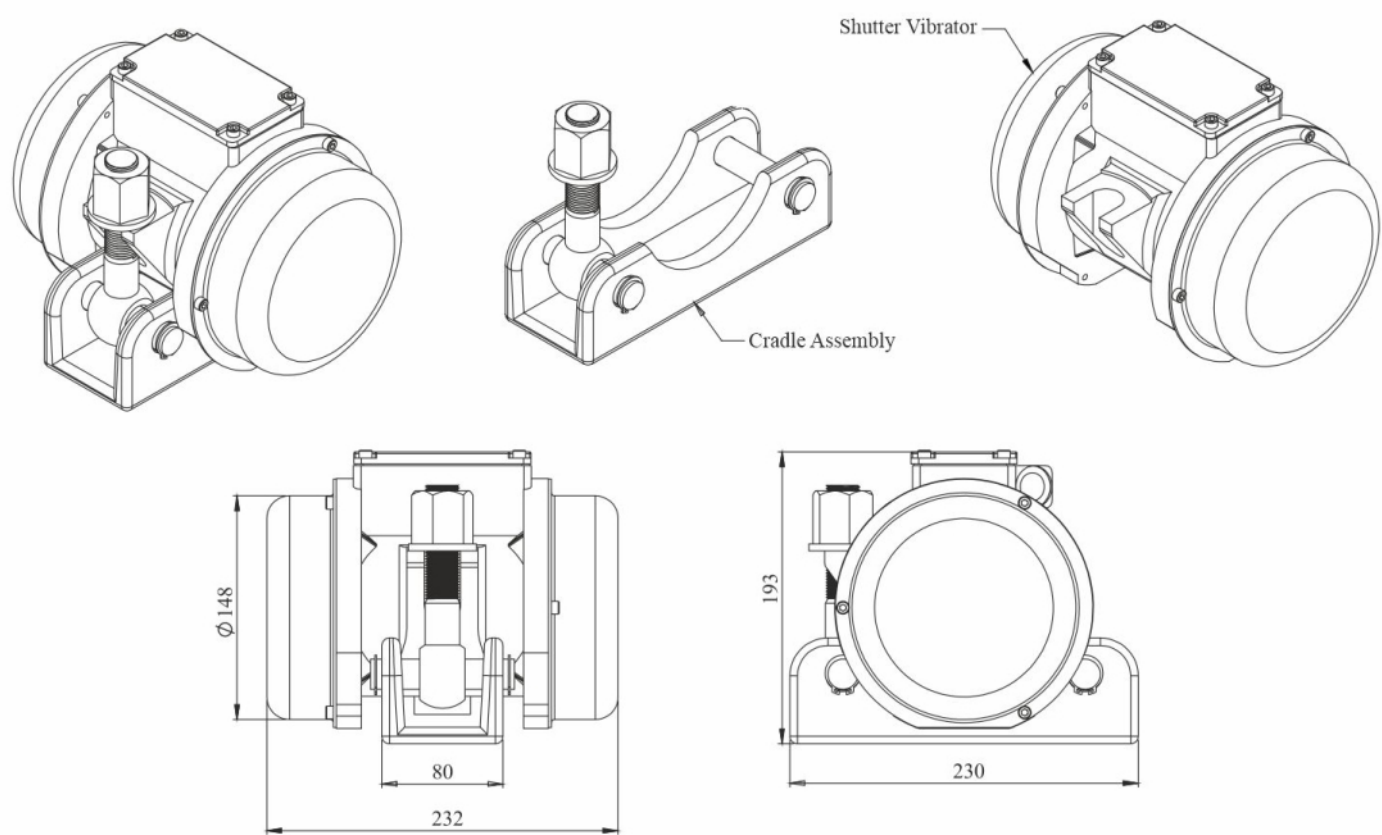
(50w - 120w)



TECHNICAL SPECIFICATION

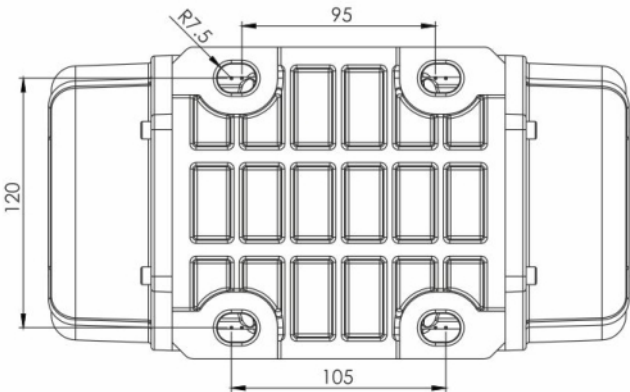
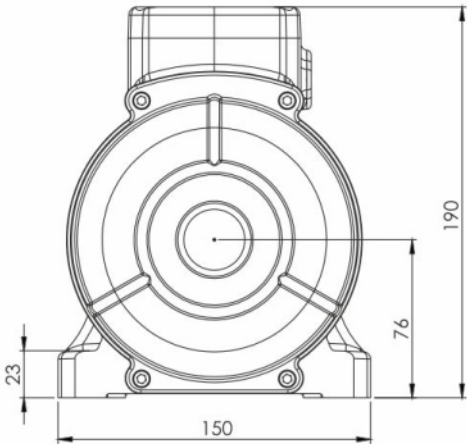
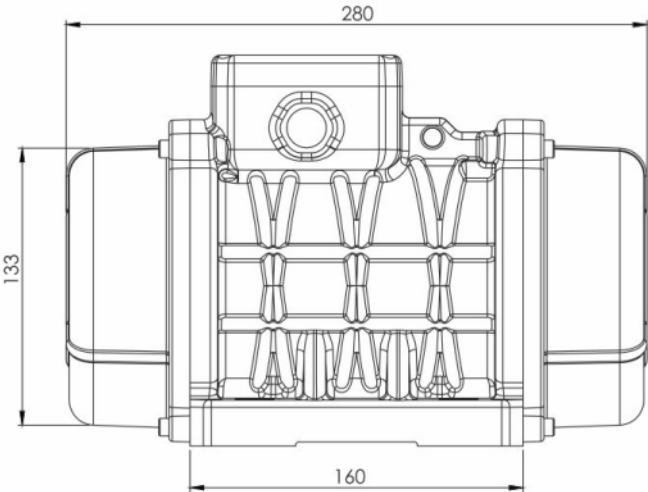
| Model      | Voltage  | Current | Input power | Force | Frequency | Rpm  | Motor Weight |
|------------|----------|---------|-------------|-------|-----------|------|--------------|
|            | (V)      | (A)     | (W)         | (Kg)  | (Hz)      |      | (Kg)         |
| DA-0.05/1  | 230V±10% | 0.23    | 50          | 30    | 50±3%     | 3000 | 1.9          |
| DA-0.05/3  | 415V±10% | 0.20    | 50          | 30    | 50±3%     | 3000 | 1.9          |
| DA-0.06/1  | 230V±10% | 0.28    | 60          | 35    | 50±3%     | 3000 | 1.9          |
| DA-0.06/3. | 415V±10% | 0.21    | 60          | 35    | 50±3%     | 3000 | 1.9          |
| DA-0.07/1  | 230V±10% | 0.30    | 70          | 40    | 50±3%     | 3000 | 2.0          |
| DA-0.07/3  | 415V±10% | 0.23    | 70          | 40    | 50±3%     | 3000 | 2.0          |
| DA-0.08/1  | 230V±10% | 0.32    | 80          | 45    | 50±3%     | 3000 | 2.0          |
| DA-0.08/3  | 415V±10% | 0.25    | 80          | 45    | 50±3%     | 3000 | 2.0          |
| DA-0.09/1  | 230V±10% | 0.34    | 90          | 50    | 50±3%     | 3000 | 2.05         |
| DA-0.09/3  | 415V±10% | 0.26    | 90          | 50    | 50±3%     | 3000 | 2.05         |
| DA-0.10/1  | 230V±10% | 0.45    | 100         | 55    | 50±3%     | 3000 | 2.1          |
| DA-0.10/3  | 415V±10% | 0.30    | 100         | 55    | 50±3%     | 3000 | 2.1          |
| DA-0.12/1  | 230V±10% | 0.46    | 120         | 60    | 50±3%     | 3000 | 2.2          |
| DA-0.12/3  | 415V±10% | 0.32    | 120         | 60    | 50±3%     | 3000 | 2.2          |

(Cradle Type)



TECHNICAL SPECIFICATION

| Model         | Max. Force | Nominal Power | Nominal Voltage | Nominal Current | Nominal Frequency | RPM  | Phase |
|---------------|------------|---------------|-----------------|-----------------|-------------------|------|-------|
| DVAR 52/6/42  | 14140 N    | 1.10 kw       | 42 V            | 18.2 A          | 0-200 Hz          | 6000 | 3     |
| DVAR 52/6/230 | 14140 N    | 1.10 kw       | 230 V           | 2.7 A           | 0-200 Hz          | 6000 | 3     |
| DVAR 52/3/415 | 14140 N    | 1.10 kw       | 415 V           | 2.5 A (Y)       | 50 Hz             | 3000 | 3     |
| DVAR 52/6/415 | 14140 N    | 1.10 kw       | 415 V           | 2.5 A           | 0-150 Hz          | 6000 | 3     |
| DVAR 52/3/230 | 8000 N     | 0.75 kw       | 230 V           | 3 A             | 50 Hz             | 3000 | 1     |



TECHNICAL SPECIFICATION

| Model         | Max. Force | Nominal Power | Nominal Voltage | Nominal Current | Nominal Frequency | RPM  | Phase |
|---------------|------------|---------------|-----------------|-----------------|-------------------|------|-------|
| DHFV 52/6/42  | 14140 N    | 1.10 kw       | 42 V            | 18.2 A          | 0-200 Hz          | 6000 | 3     |
| DHFV 52/6/230 | 14140 N    | 1.10 kw       | 230 V           | 2.7 A           | 0-200 Hz          | 6000 | 3     |
| DHFV 52/3/415 | 14140 N    | 1.10 kw       | 415 V           | 2.5 A (Y)       | 50 Hz             | 3000 | 3     |
| DHFV 52/6/415 | 14140 N    | 1.10 kw       | 415 V           | 2.5 A           | 0-150 Hz          | 6000 | 3     |
| DHFV 52/3/230 | 8000 N     | 0.75 kw       | 230 V           | 3 A             | 50 Hz             | 3000 | 1     |

# VIBRATOR MOTOR



## Tiles Vibrator

(Portable Trowel)



### TECHNICAL SPECIFICATION

| Model              | DB-5        |
|--------------------|-------------|
| Power (kw)         | 0.25        |
| Voltage (V)        | 230±10%     |
| Frequency (Hz)     | 50±3%       |
| Sharp Forces (kgf) | 100         |
| Size (mm)          | 310x230x240 |

## Step Down Transformer



### TECHNICAL SPECIFICATION

| Model                | DSDT-35/5/42              |
|----------------------|---------------------------|
| Power (kw)           | 7.5                       |
| Phase                | 3                         |
| Input Voltage (V)    | 415±10%                   |
| Output Voltage (V)   | 42-48                     |
| Input Frequency (Hz) | 50±3%                     |
| Rated Current        | 8.5 A                     |
| Output Current       | 35 A                      |
| No. of Socket        | 5                         |
| Length of Cable      | 3 mtr.                    |
| MCB                  | 25 Amp. 3 Phase           |
| Phase Indicator      | Red x Yellow x Blue Color |
| Winding              | Copper                    |
| Body                 | Powder Coated             |
| Weight               | 27 kg                     |
| Size (mm)            | 480x360x300               |

## DHFC 85/4/42



### TECHNICAL SPECIFICATION

| Model                | DHFC 85/4/42              |
|----------------------|---------------------------|
| Input Voltage (V)    | 415±10% 3Phase            |
| Input Frequency      | 50±3%                     |
| Output Voltage (V)   | 42 3Phase                 |
| Output Frequency     | 0-200 Hz                  |
| Rated Current        | 13.5 A                    |
| Output Current       | 85.0 A                    |
| Input KVA            | 9                         |
| Output KVA           | 5.5                       |
| Power Cable          | 3 mtr                     |
| No. of Socket        | 4 (Mennekes)              |
| MCB                  | 32A 3 Phase               |
| Degree of Protection | IP 44                     |
| Coolant              | Fan Cooled                |
| Phase Indicator      | Red x Yellow x Blue Color |
| Weight               | 60 kg                     |
| Size                 | 580 x 350 x 720           |
| Switch               | Rotary (Separate On/Off)  |
| Body                 | Frame with Wheeled        |

## DHFC 35/2/42

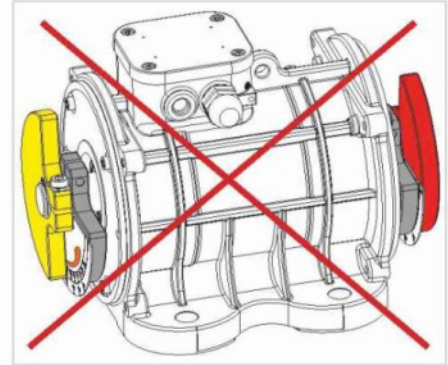
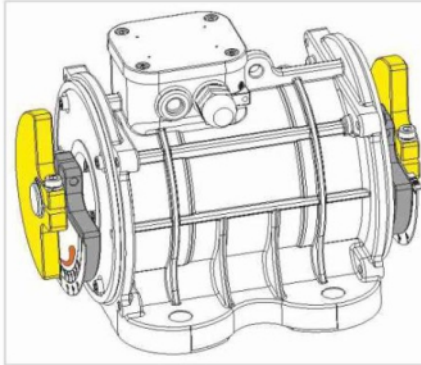
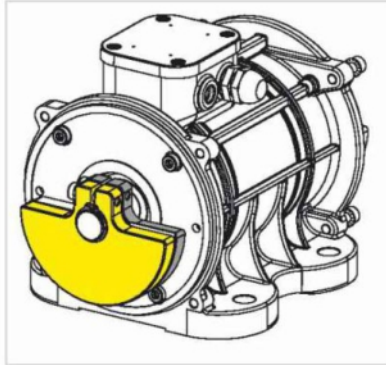


### TECHNICAL SPECIFICATION

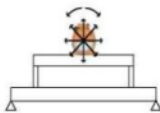
| Model                | DHFC 35/2/42              |
|----------------------|---------------------------|
| Input Voltage (V)    | 415±10% 3Phase            |
| Input Frequency      | 50±3%                     |
| Output Voltage (V)   | 42 3Phase                 |
| Output Frequency     | 0-200 Hz                  |
| Rated Current        | 4.5                       |
| Output Current       | 35.0 A                    |
| Input KVA            | 4.1                       |
| Output KVA           | 3.2                       |
| Power Cable          | 3 mtr                     |
| No. of Socket        | 2 (Mennekes)              |
| MCB                  | 32A 3 Phase               |
| Degree of Protection | IP 44                     |
| Coolant              | Fan Cooled                |
| Phase Indicator      | Red x Yellow x Blue Color |
| Weight               | 48 kg                     |
| Size                 | 580 x 350 x 720           |
| Switch               | Rotary (Separate On/Off)  |
| Body                 | Frame with Wheeled        |

## Selection of Vibrator

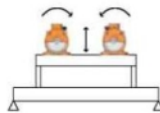
### Adjustable masses – Type A



Circular  
vibration



Linear  
vibration



Rotate the masses  
in the opposite  
direction to the  
cable gland.



left side

right side

#### HOW TO CHOOSE A VIBROMOTOR

$$F_c = \frac{m_u \cdot e \cdot \omega^2}{1000}$$

$$\omega = 2\pi f_m$$

$$f_m = \frac{1}{n_s}$$

$F_c$  = Centrifugal Force ( Vibrating Force) In KN

$m_u$  = Mass Of The Eccentric Disc In Kg

$e$  = distance from the centre of gravity to the centre of motion in (m)

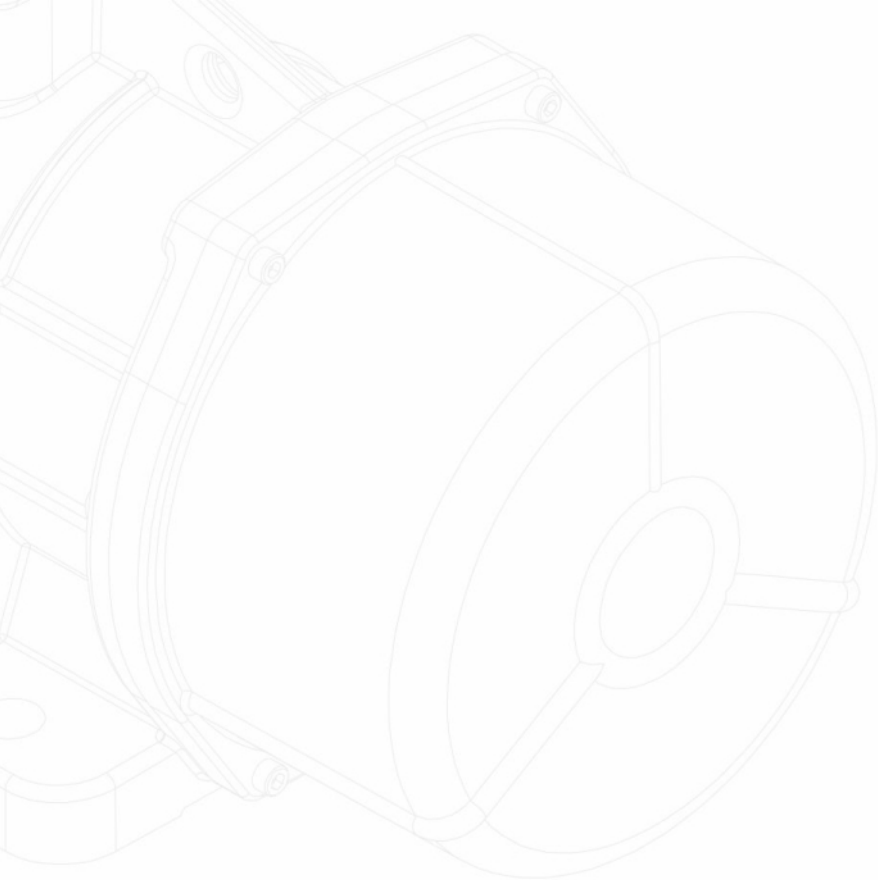
$\omega$  = Angular Speed Of Motor eccentric disc in 1/s

$f_m$  = Mechanical frequency

$n_s$  = Motor Speed in Rpm

## Our Valuable Customers





**The King of Vibrator**

Mfg. By:

**DEEP ELECTRICALS**

Parsana Society-5, Close Street, 50 Feet Road, Kothariya Main Road, Rajkot - 360 002 (Gujarat) INDIA.

**Mo.:** 70414 41444, 95104 03391, 95100 02560

**Customer Care :** 95100 05346

**Email :** [deepelectricals9@gmail.com](mailto:deepelectricals9@gmail.com), [sales@deepelectricals.co.in](mailto:sales@deepelectricals.co.in)

**Web.:** [www.deepvibrators.com](http://www.deepvibrators.com)



We Support

