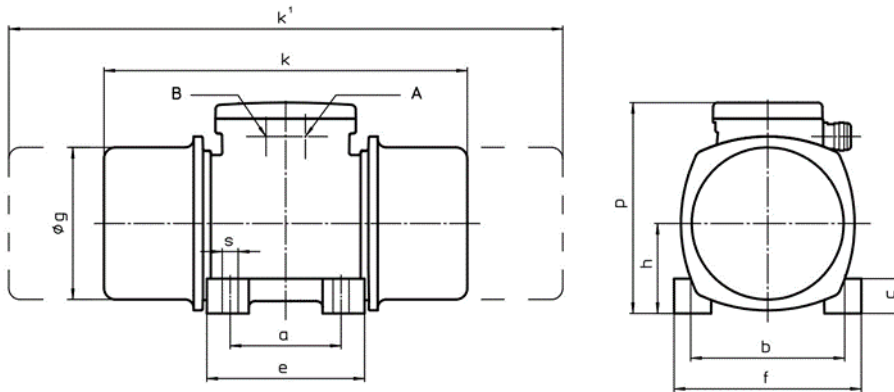


# Technical datasheet - Unbalance Motor UBE 7X-1 (50 Hz)



## Dim. M13-1577

|                |          |
|----------------|----------|
| a              | 120 mm   |
| b              | 170 mm   |
| c              | 22 mm    |
| e              | 192 mm   |
| f              | 208 mm   |
| g              | Ø 169 mm |
| k              | 391 mm   |
| k <sup>1</sup> | 585 mm   |
| p              | 210 mm   |
| s              | Ø 17 mm  |

## Assembly

|                      |             |
|----------------------|-------------|
| 4x Washer            |             |
| ISO 7089-16-200HV-A2 |             |
| 4x Screw             | M16-ISO4017 |
| Ma 185 Nm            | 8.8 - A2E   |

|   |                       |           |         |         |
|---|-----------------------|-----------|---------|---------|
| A | Power connection      | M20 x 1,5 | Cable-Ø | 7-13 mm |
| B | Thermistor connection | -         |         | -       |

## Electrical data – Three-phase asynchronous motor - 4-pole

| Mains-frequency | Rotating freq. synchronous | Code No. AVITEQ | Standard windings           | Nominal current | Cos phi | I <sub>A</sub> /I <sub>N</sub> | Input power |
|-----------------|----------------------------|-----------------|-----------------------------|-----------------|---------|--------------------------------|-------------|
| 50 Hz           | 25 Hz                      | 38291           | 220-240/380-415 V (3-phase) | 2,28/1,32 A     | 0,68    | 3,2                            | 0,62 kW     |
|                 |                            | 38292           | 290-300/500-525 V (3-phase) | 1,83/1,06 A     |         |                                |             |

## Mechanical data

| Housing size | Weight  | Motor speed synchronous | Centrifugal force 100% | Working moment | Stroke Sn* | Working weight Gn* | Conveying speed* |
|--------------|---------|-------------------------|------------------------|----------------|------------|--------------------|------------------|
| E            | 27,0 kg | 1.500 1/min             | 7.000 N                | 56,8 kgcm      | 6 mm       | 135 kg             | 29 cm/s          |
|              |         |                         |                        |                | 1,5 mm     | 705 kg             | < 2 cm/s         |

\* Specifications apply to 2 drives and directioned movement at nominal motor speed and unbalance level 100%. Conveying speed for earth-moist sand (conveyed material) in conveyor trough, layer height 200 mm, horizontal conveying surface, stroke angle  $\alpha = 30^\circ$

## Maintenance of bearings

| Type                                                                                | Designation | Bearings Life at unbalance level |        |         | Grease quantity |               | Grease type |
|-------------------------------------------------------------------------------------|-------------|----------------------------------|--------|---------|-----------------|---------------|-------------|
|  | 6306        | 100%                             | 80%    | 50%     | Maintenance     | Initial lubr. | -           |
|                                                                                     |             | 3053 h                           | 5964 h | 24428 h | -               | -             |             |

## Additional Information

| Degree of protection | Insulation class | Service factor | Operating mode | Switching frequency | Sound pressure level | Operating-temp. | Housing colour |
|----------------------|------------------|----------------|----------------|---------------------|----------------------|-----------------|----------------|
| IP66                 | F                | 1,15           | S1             | 15x/h               | < 70 dB(A)           | -20 ... +55°C   | RAL 5018       |

## Declarations / Certificates

| Declaration of Conformity | Declaration of incorporation | ATEX/IECEX | CSA/UL |
|---------------------------|------------------------------|------------|--------|
| 2014/35/EU                | 2006/42/EG                   | Zone 21/22 | -      |

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