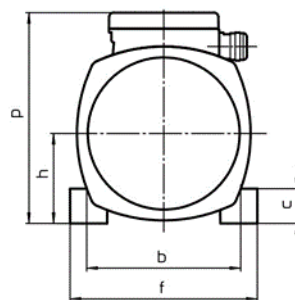
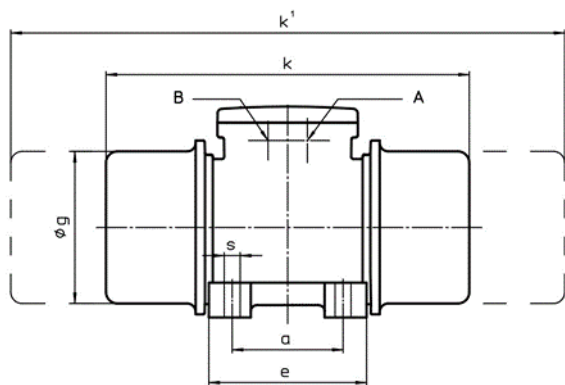


Technical datasheet - Unbalance Motor UBC 1,9X-1 (60 Hz)



Dim. M13-1573

a	90 mm
b	125 mm
c	15 mm
e	166 mm
f	150 mm
g	Ø 135 mm
k	275 mm
k ¹	379 mm
p	173 mm
s	Ø 13 mm

Assembly

4x Washer

ISO 7089-12-200HV-A2

4x Screw M12-ISO4017

Ma 80 Nm 8.8 - A2E

A	Power connection	M20 x 1,5
B	Thermistor connection	-

Cable-Ø	7-13 mm
	-

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

Mains-frequency	Rotating freq. synchronous	Code No. AVITEQ	Standard windings	Nominal current	Cos phi	I _A /I _N	Input power
60 Hz	30 Hz	38223	230/460V (3-phase)	1,00/0,50 A	0,36	2,2	0,15 kW
		38224	207-253/414-480 V (3-phase)	1,00/0,50 A			
		38225	330/575 V (3-phase)	0,69/0,40 A			

Mechanical data

Housing size	Weight	Motor speed synchronous	Centrifugal force 100%	Working moment	Stroke Sn*	Working weight Gn*	Conveying speed*
C	11,8 kg	1.800 1/min	1920 N	10,80 kgcm	4,7 mm	30 kg	27 cm/s
					1,2 mm	160 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
	6304	100%	80%	50%	Maintenance	Initial lubr.	-
		22490 h	43926 h	>100000 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	-

Document No.: M13-1573-DS-EN-60Hz

Version: 02

Date:
23.06.2025

AVITEQ Vibrationstechnik GmbH
Im Gotthelf 16, 65795 Hattersheim/Germany

Reproduction of this document, utilisation and communication of its contents are prohibited unless expressly permitted. Infringements will result in compensation for damages. All rights reserved in the event of patent, utility model or design registration.