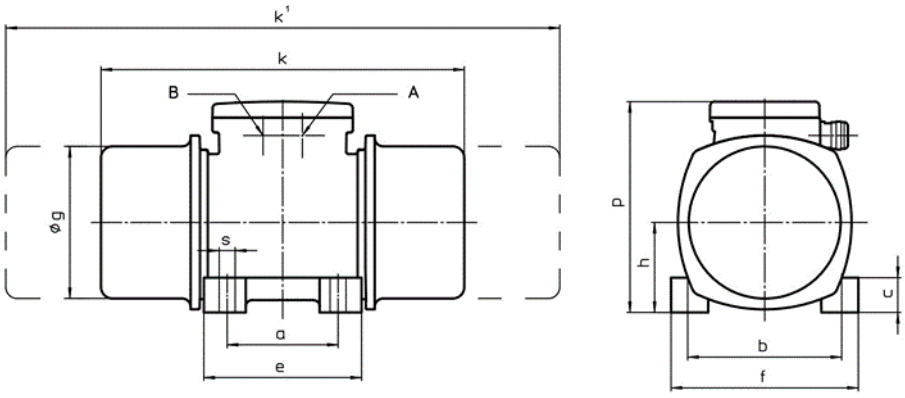
Technical datasheet - Unbalance Motor **fUBG 21W-1 (50 Hz)**



Dim. M13-1695	
a	**165 mm**
b	**260 mm**
c	**30 mm**
e	**277 mm**
f	**304 mm**
g	**Ø 265 mm**
k	**612 mm**
k¹	**942 mm**
p	**314 mm**
s	**Ø 26 mm**

Assembly

4x Washer ISO 7089-24-200HV-A2

A	Power connection	M25 x 1,5	Cable-ø	10-16 mm	4x Screw	7/8"
B	Thermistor connection	1/2" NPT		Blind plug	Ma 513 Ft-Lb	Grade 5(8.8)

Electrical data – Three-phase asynchronous motor - 6-pole

Mains-frequency	Rotating freq. synchronous	Code No. AViTEQ	Standard windings	Nominal current	Cos phi	I_A/I_N	Input power
50 Hz	16,6 Hz	38474	220-240/380-415 V (3-phase)	3,11/1,80 A	0,71	5,2	2,20 kW
		38475	290-300/500-525 V (3-phase)	2,49/1,44 A			

Mechanical data

Housing size	Weight	Motor speed synchronous	Centrifugal force 100%	Working moment	Stroke Sn*	Working weight Gn*	Conveying speed*
G	138,0 kg	1.000 1/min	20.800 N	380,0 kgcm	13 mm	305 kg	51 cm/s
					4 mm	1615 kg	< 6 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 α = 30°

Maintenance of bearings

Type	Designation	Bearings Life at unbalance level			Grease quantity		Grease type
		100%	80%	50%	Maintenance	Initial lubr.	
	NJ 2311	15988 h	33637 h	>100.000 h	5 g / 3000 h	24 g	Mobil SHC Polyrex 102 EM

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 ... +40°C	RAL 5018

Declarations / Certificates

Declaration of Conformity	Declaration of incorporation	ATEX/IECEx	CSA/UL
2014/35/EU	2006/42/EG	Zone 21/22	Cl. II Div. 2 Gr. F,G

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