

VIBRATOR TECHNICAL DATA SHEET

MODEL: **VB 10/2510-D 230/460V 60Hz 3PH**

SERIE: **AD** FRAME SIZE: **VB-173** P/N: **602171C**

RPM 1200

MECHANICAL CHARACTERISTICS

Weights Position %	Static moment		Centrifugal Force		
	kgmm	in.-lb	kg	lb	kN
100	1553	135	2500	5500	24,5

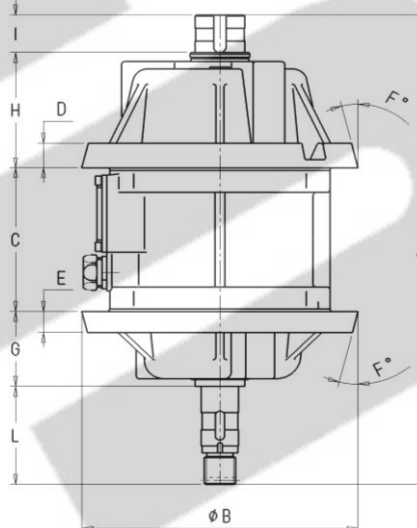
Eccentric weights non supplied, customer needs to design his own type of eccentric weights.

Weight (without eccentric weights): 135 lbs (61kg)			
Working Moment:*	270 in-lb (3106 kgmm)		
Max Static Moment:*	135 in-lb (1553 kgmm)		
Upper bearing:	NJ 2314 E C4	Dynamic load:	70664 lbs (32120 kg)
Lower bearing:	NJ 312 E C4	Dynamic load:	38489 lbs (17495 kg)
Lube schedule:	2000 hours		
Upper grease quantity:	1,8 oz (50g)		
Lower grease quantity:	0,9 oz (25g)		
Grease Type:	KLUEBER STABURAGS NBU 8 EP		

ELECTRICAL CHARACTERISTICS

			in-lb	Nm	
Nominal input voltage:	230	460	Nominal torque:	137	15,4
Nominal current (amps):	6,44	3,22	Start torque:	214	24,0
Start current (amps):	21,1	10,5	Maximum torque:	321	36,0
Start/Nom. current ratio:	3,27		Start/nom. torque ratio:	1,56	
Input power (watts):	2100		Max/nom. torque ratio:	2,35	
Output power (hp):	1,9		Starting time (sec):	*	
Service Factor:	1,0		Duty cycle:	continuous	
Efficiency:	67%		Max. Ambient Temp.:	40°C (104 F)	
Slip:	4%		Inertia (kgm² lb-ft²):	*	
Power factor:	0,82		Inverter Duty:	20Hz to 60Hz	
Coil resist (Ω @ 20°C):	TBD				
Insulation class:	F				
Locked Rotor Code:	E				

Type L



* Depends by the eccentric weights used.

External cable diam.:
13 ÷ 20 mm
0,512 to 0,787 inch.

	in.	mm
A:	20,37	517,5
ØB:	11,06	281
C:	6,24	158,5
D:	1,06	27
E:	0,91	23
F°:	14,0°	14,0°
G:	3,25	82,5
H:	5,00	127
I:	1,63	41,5
L:	4,25	108

Approvals and certifications

  	ATEX 2014/34/UE - IECEx - UK SI II2D Ex tb IIIC T150°C Db
	CSA C22.2 N°100-95 Class 4211 01
	TR CU 012/2011 Cert. N° RU C-IT.HB07.B.00614/22
	GB/T 3836.1-2021, 3836.31-2021 Ex tb IIIC T135°C Db