

VIBRATOR TECHNICAL DATA SHEET

MODEL: ITV-VR/2010-RS 400V 0-100Hz 3PH

SERIE: AD FRAME SIZE: AF33 P/N: 600245A

RPM 0-6000

MECHANICAL CHARACTERISTICS

at 100Hz	Weights Position	Static moment		Centrifugal Force at 100Hz			Bearing Life w/1.3 Load Factor	Bearing Life w/1.0 Load Factor
	%	kgmm	in.-lb	kg	lb	kN		
	2+1 at 87% each side	52,5	4,56	2000	4400	19,6	363	871

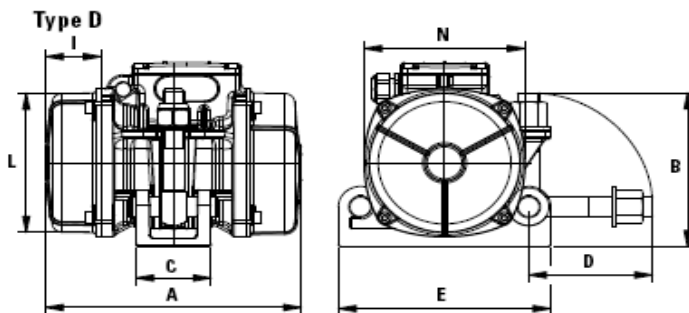
Bearing lifetime calculated at 6000rpm

LOOK AT THE GRAPHIC BELOW FOR WEIGHT ADJUSTMENT AND CF/RPM RELATION

Weight:	59,4 lb (27 kg)	Bearing:	NJ 2206 E C4
Working Moment:	22,2 in.-lb (256 kgmm)	Dynamic load:	12338 lb (5608kg)
Max Static Moment:	11,1 in.-lb (128 kgmm)	Lube schedule:	100 hours

ELECTRICAL CHARACTERISTICS

			in.-lb	Nm
Nominal input voltage:	400	Nominal torque:	19,5	2,19
Nominal current (amps):	2,9	Start torque:	75,8	8,50
Start current (amps):	14,5	Maximum torque:	125	14,0
Start/Nom. current ratio:	5,0	Start/nom. torque ratio:	3,88	
Input power (watts):	1700	Max/nom. torque ratio:	6,39	
Output power (hp):	1,8	Starting time (sec):	0,63	
Service Factor:	1,0	Duty cycle:	Intermittent	
Efficiency:	79%	Max. Ambient Temp.:	+40°C (104 F)	
Slip:	4%	Inverter Duty:	0Hz to 100Hz	
Power factor:	0,85	Operating Temp. Code:	N/A	
Coil resist (Ω @ 20°C):	15,5	Capacitance (μF):	N/A	
Insulation class:	F	Locked Rotor Code:	F	



	in.	mm
A:	13,98	355
B:	7,44	189
C:	3,27	83
D:	5,51	140
E:	9,45	240
I:	3,21	81,5
L:	6,46	164
N:	7,05	179

External cable diam.:	9-16mm
Serv. length req.per side(in):	0,354-0,630 inch
Mounting bolts:	M24 x 2
Mounting bolt torque:	38kgm (274 ft-lb)

Approvals and certifications

Class 4211 01 - Motors and Generators
Ordinary Locations
Compliance with TR CU 010/2011

