

VIBRATOR TECHNICAL DATA SHEET

MODEL: **VMX 18-5900** **60Hz 3PH**

SERIE: **AA** FRAME SIZE: **60** P/N: **601295C 230/460V**
601295F 330/575V
RPM 1800

MECHANICAL CHARACTERISTICS

Weights Position %	Static moment		Centrifugal Force			Bearing Life w/1.3 Load Factor	Bearing Life w/1.0 Load Factor
	kgmm	in.-lb	kg	lb	kN		
100	739	64	2676	5887	26.24	26500	63500
Weight:	205 lb (93 kg)		Bearing:			NJ 2310 E C4	
Working Moment:	128 in-lb (1478 kgmm)		Dynamic load:			41725 lb (18966 kg)	
Max Static Moment:	64 in-lb (739 kgmm)		Lube schedule:			4000 hours	

ELECTRICAL CHARACTERISTICS

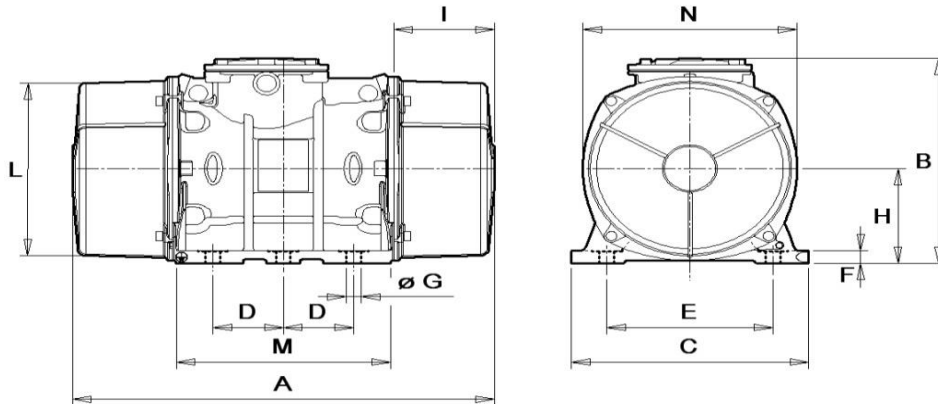
						in-lb	Nm
Nominal input voltage:	230	460	330	575	Nominal torque (in-lb):	64.2	7.20
Nominal current (amps):	5.8	2.9	4.0	2.3	Start torque (in-lb):	335	37.6
Start current (amps):	45.0	22.5	31.0	17.8	Maximum torque (in-lb):	306	34.3
Start/Nom. current ratio:	7.76				Start/nom. torque ratio:	5.21	
Input power (watts):	1650				Max/nom. torque ratio:	4.76	
Output power (hp):	2,0				Starting time (sec):	0.62	
Service Factor:	1,15				Duty cycle:	continuous	
Efficiency:	90%				Max. Ambient Temp.:	131 F	
Slip:	2%				Inertia (lb-ft²):	10.469	
Power factor:	0,70				Inverter Duty:	20Hz to 70Hz	
Coil resist (Ω @ 20°C):	3,41				Operating Temp. Code:	T2C (230°C)	
Insulation class:	F				Capacitance (µF):	N/A	
Locked Rotor Code:	K						

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	in.	mm
A:	22.52	572
B:	12.28	312
C:	10.83	275
D:	3.27	83
E:	9.02	229
ØG:	0.87	22
F:	0.87	22
H:	5.31	135
I:	5.75	146
L:	9.39	239
M:	10.63	270
N:	9.96	253

External cable diam.(in):	3/4" NPT
Service length req.per side(in):	5.75
Mounting bolts:	3/4"-10NC Gr5 (M20)
Mounting bolt torque:	288 ft-lb (38 kgm)

Approvals and certifications	
UL US	Class I, gr.C,D. Temp.Class T2C (230°C)
Ex d	ATEX 94/9/EC II2G Ex d IIB 160°C cert. n° DEMKO 07 ATEX 0612032X
IECEx	IECEx std. IEC 60079-0, -1 cert. n° IECEx UL 09.0034X
PG	GOST-R & GGTN Permit std.n°GOST R 51330.0-99,.1-99