

VIBRATOR TECHNICAL DATA SHEET

MODEL: MTF 15/1100-S90 230/400V 50Hz 3PH

SERIE: AF FRAME SIZE: 40 P/N: 601280A

RPM 1500

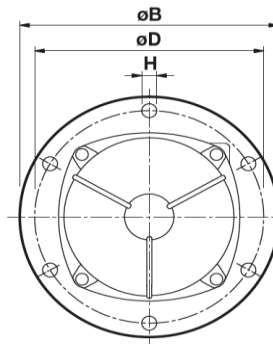
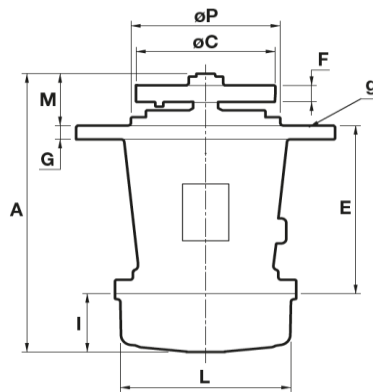
MECHANICAL CHARACTERISTICS

Weights Position	Static moment				Centrifugal Force						Bearing Life w/1.3 Load Factor	Bearing Life w/1.0 Load Factor
	Upper weights		Lower weights		Upper weights			Lower weights				
	kgmm	in.-lb	kgmm	in.-lb	kg	lb	kN	kg	lb	kN		
%												
100	200	17,4	200	17,4	504	1109	4,94	504	1109	4,94	52930	>100000
90	180	15,7	180	15,7	454	998	4,45	454	998	4,45	74981	>100000
80	160	13,9	160	13,9	403	887	3,95	403	887	3,95	>100000	>100000
70	140	12,2	140	12,2	353	776	3,46	353	776	3,46	>100000	>100000
60	120	10,4	120	10,4	302	665	2,97	302	665	2,97	>100000	>100000
50	100	8,7	100	8,7	252	554	2,47	252	554	2,47	>100000	>100000
40	80	7,0	80	7,0	202	444	1,98	202	444	1,98	>100000	>100000
30	60	5,2	60	5,2	151	333	1,48	151	333	1,48	>100000	>100000
20	40	3,5	40	3,5	101	222	0,99	101	222	0,99	>100000	>100000
10	20	1,7	20	1,7	50	111	0,49	50	111	0,49	>100000	>100000
Weight:			36,0 kg (79,2 lb)				Grease type: Klueber STABURAGS NBU 8 EP					
Bearing:			NJ 2208 E C4				Lube schedule:			6000 hours		
Dynamic load:			8310 kg (18282 lb)									

ELECTRICAL CHARACTERISTICS

				in-lb	Nm
Nominal input voltage:	230	400	Nominal torque:	42,7	4,79
Nominal current (amps):	2,51	1,45	Start torque:	72,3	8,10
Start current (amps):	10,3	5,9	Maximum torque:	110	12,4
Start/Nom. current ratio:	4,1		Start/nom. torque ratio:	1,69	
Input power (watts):	900		Max/nom. torque ratio:	2,58	
Output power (hp):	1,0		Starting time (sec):	1,82	
Service Factor:	1,0		Duty cycle:	continuous	
Efficiency:	82%		Max. Ambient Temp.:	+40°C (104 F)	
Slip:	7%		Inverter Duty:	20Hz to 50Hz	
Power factor:	0,90		Operating Temp. Code:	N/A	
Coil resist (Ω @ 20°C):	15,0		Capacitance (μF):	N/A	
Insulation class:	F				
Locked Rotor Code:	D				

Fig.G



	in.	mm
A:	16,89	429
ØB:	10,98	279
ØC:	7,48	190
ØD:	10,00	254
ØH:	0,55	14
N°	4	4
E	-	-
F	1,93	49
G	0,69	17,5
I	2,26	57,5
L	-	-
M	-	-
ØP	9,02	229
g	-	-

External cable diam.:	9-16mm
Serv. length req.per side:	0,354-0,630 inch
Mounting bolts:	98,5mm (3,88inch)
Mounting bolt torque:	M12 - (1/2")
	8 kgm (58 ft-lb)