MICRO

Technical features

Power supply
Three-phase voltage from 24V to 480V (except M3/4), 50Hz or 60Hz or single phase 110-130V, 220-240V and 24V, 50/60Hz (in the standard single-phase version, the capacitor is already included in a case along the power supply cable); suitable for use with an inverter from 20 to 60Hz to the base frequency with constant torque load profile.

Polarity
2 poles.

Conformity with European Directives
Low Voltage 2006/95/EC, ATEX 94/9/EC.

Reference Regulations
IEC/EN 61241-0, IEC/EN 61241-1, EN 60034-1.

Functioning
Continual service (S1) at maximum declared centrifugal force and electric power. Intermittent services are also possible depending on the type of vibrator and the operating conditions. For detailed information contact our technical assistance office.

Centrifugal force
Range extended to 65 Kgf. (638N), with centrifugal force adjustable from 0 to 100%.

Mechanical protection
IP 65 according to IEC 529, EN 60529.

Insulation class
Class F (155°C).

Tropicalization
Standard on all vibrators.

Ambient temperature
From -20°C to +40°C.

Fixing of the vibrator
In all positions and therefore without restriction.

Lubrication
Sealed ball bearings, lubricated "for life".

Electric motor
Three-phase and single-phase asynchronous type. The M3/4 model can only be supplied in the single-phase version and does not require a capacitor. Models M3/20 and M3/45 can be supplied both in three-phase and single-phase versions. The capacitor is already included in a case along the power supply cable.

Casing
In high-tensile light aluminium alloy with polished surface.

Eccentric weights
Thin plate-type, allow step-by-step adjustment through variation of the number of weights mounted or their rotation.

Weight covers
In stainless steel AISI 304.

Other features
All Micro series standard models are supplied with a power supply cable (2 metres for M3/20-S02 and M3/45-S02, 1 metre for M3/4-S02) and, in the models requiring it, a capacitor inserted into a special enclosure in-line with the cable. CSA certification can be supplied on request and the supplied product is not equipped with a capacitor (neither along the cable nor in other positions), therefore the user must install one as per Standard.

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	Description			Mechanical specifications								Electrical specifications		
				rpm		Centrifugal force kg		N		Weight kg		Max input power W	Max. current A 380/480 V 50/60 Hz	
	Code	Type	II3D Temp. class	50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz	50 Hz		
three phase	600449	**M3/20-S02**	□ 100°C	2.0	2.0	**20**	**29**	196	284	1.97	1.97	35	0.15	
	600450	**M3/45-S02**	□ 100°C	4.5	4.5	**45**	**65**	441	638	2.20	2.20	45	0.16	
													220/240 V 50/60 Hz	110/115 V 50/60 Hz
single-phase	600448	**M3/4-S02**	□ 100°C	0.4	0.4	**4**	**6**	39	59	0.92	0.92	24	0.13	0.30
	600449	**M3/20-S02**	□ 100°C	2.0	2.0	**20**	**29**	196	284	1.97	1.97	35	0.17	0.42
	600450	**M3/45-S02**	□ 100°C	4.5	4.5	**45**	**65**	441	638	2.20	2.20	45	0.20	0.46

□ The CSA version can be supplied on request and does not envision supply of the capacitor.

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	Type	Dimensional specifications (mm)																	
		Fig.	A	B	C	D	D1	E	E1	F	G	Fori øG1	Fori N°	H	I	L	M	N	Cable entry thread
three phase	M3/20-S02	N	157	75	110	25-40	60	92	85	9	6.5	6.5	8	38	33	69	83	74	M16x1.5
	M3/45-S02	N	172	75	110	25-40	60	92	85	9	6.5	6.5	8	38	40.5	69	83	74	M16x1.5
single-phase	M3/4-S02	N	113	66.5	90	25-40	-	75	-	9	5.5	-	4	34	25	60	59	65	M12x1.5
	M3/20-S02	N	157	75	110	25-40	60	92	85	9	6.5	6.5	8	38	33	69	83	74	M16x1.5
	M3/45-S02	N	172	75	110	25-40	60	92	85	9	6.5	6.5	8	38	40.5	69	83	74	M16x1.5

Fig. N