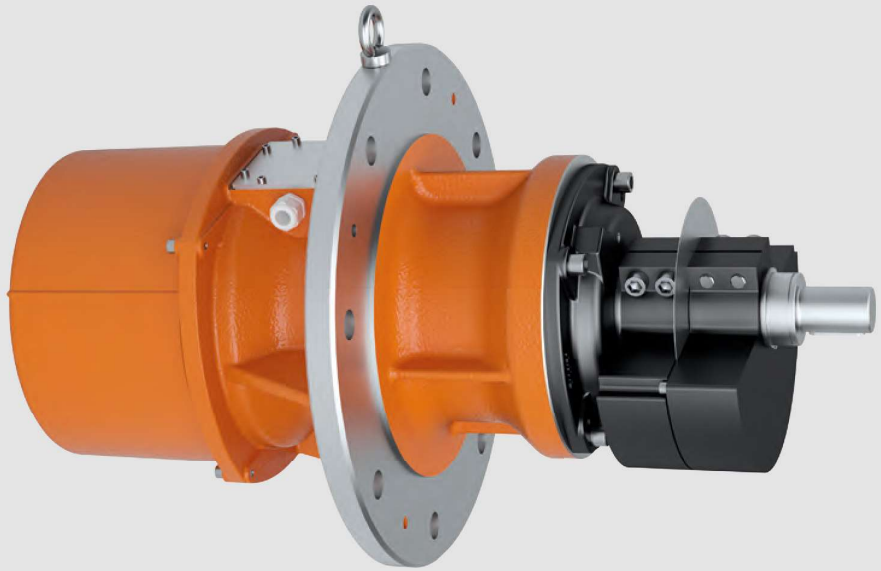


■ MTF-ACC



Technical features

Power supply

Three phase tension from 220V to 690V at 50Hz or 60Hz; variable frequency from 20Hz to the nameplate frequency, at constant torque, with frequency inverter.

Polarities

6 pole standard, 4 & 8 pole on request, depending on frame size.

Reference Regulations and Directives

Low Voltage Directive 2006/95/CE; EN/IEC 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 on the operating conditions. For detailed information, contact our technical assistance office.

Centrifugal force

Range extended to 20000 kgf. (197 kN), adjustable varying the position of eccentric weights.

Mechanical protection

IP66 according to IEC/EN 60529.

Protection against mechanical impacts

IK 08 according to IEC/EN 62262.

Insulation class

Class F (155°C).

Tropicalisation

Standard on all vibrators, with "drop by drop" trickle system.

Ambient temperature

From -20°C to +40°C; higher or lower temperatures are possible on request.

Vibrator thermal protection

With thermal detectors with thermistors PTC 130°C. Upon request different temperatures thermistors are available and anti-condensation heaters.

Fixing of the vibrator

Typical fixing of these vibrators on inclined screens is horizontal, with connecting shaft and joints between the two motor-vibrators in order to keep the weights synchronized. The joints and the connecting shaft are not part of the standard supply but on demand only.

Lubrication

All vibrators are correctly lubricated at the factory and do not require further lubrication at their start-up in normal operating conditions.

Terminal box

Large terminal box to facilitate electrical connection.

Special shaped terminals allow for the power supply cable to be secured, whilst protecting it from loosening.

Electric motor

Three-phase asynchronous type. Designed for obtaining maximum torque values both at starting to respond to the requirements of vibrating machines. Insulated windings by means of the "drop by drop" trickle system with class H resin. The rotor is die cast aluminum (squirrel cage).

Casing

In spheroidal cast iron, with connecting flange for a solid connection to the vibrating machine.

Bearing flange

Carried out in spheroidal graphite cast iron. Relevant design was studied to convey the load to the casing in a uniform way

Bearings

Custom made with special profile especially designed for Italvibras, suitable to withstand both high radial and axial loads

Motor shaft

In treated steel alloy (isothermal hardening) resistant to high stresses. One side extension to allow linear coupling through joint.

The new MTF-ACC Series consists of flange mounted electric vibrators with shaft extension on one side and weight protection cover on the opposite side. This vibrator is designed for use on horizontal or inclined screens of medium and large dimensions.

The MTF-ACC vibrators are easy to install, they are normally fixed to the sides of the screen by means of a side flange and the two shafts are mechanically connected in-line through a shaft and dynamic elastic joints.

With two MTF-ACC motor-vibrators coupled in-line up to 40000 Kgf (394kN) of centrifugal force can be reached.

The Italtvibras technical staff is able to assist with the selection of the connecting shaft as well of the dynamic joints coupling and of course with the application of the motor-vibrators.

Eccentric weights

Allow adjustment of the centrifugal force. It is achieved by means of a graduated scale expressing it as a percentage of the maximum centrifugal force.

Weight covers

In aluminum alloy. On several sizes split covers are also available to enable opening in radial direction.

Painting

Electrostatic surface treatment based on polymerised epoxy polyester powder in oven at 200°C. Tested in salt spray for 500 hours

For further details please contact Italtvibras Technical Assistance.


Technical features and models mentioned in this catalogue are indicative and not binding. Italtvibras reserves the right to modify them without any obligation.

Certifications




In conformity with the applicable Communitarian Directives.




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تهران، کیلومتر ۲۱ بزرگراه لشگری (جاده مخصوص کرج)

روبروی پالایشگاه نفت پارس، پلاک ۱۲

■ MTF-ACC



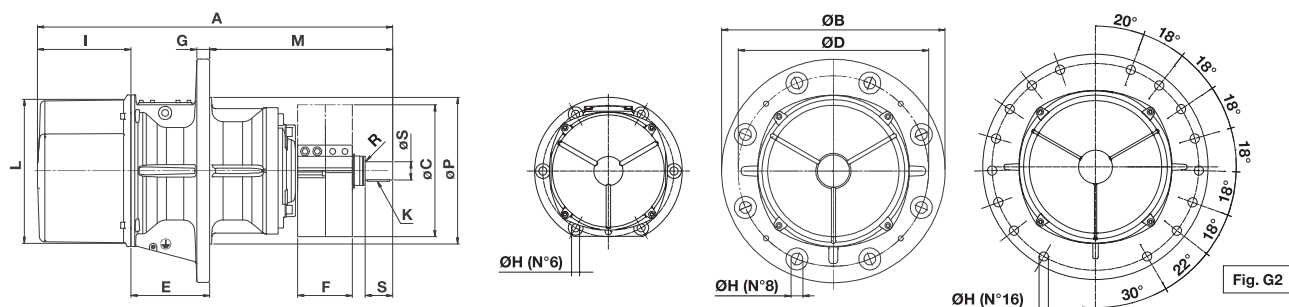
6 poles - 1.000/1.200 rpm

Three-phase

DESCRIPTION			MECHANICAL SPECIFICATIONS								ELECTRICAL SPECIFICATIONS					
Code	Type	SIZE	Static moment*		Centrifugal force				Weight		Max input power		Max current		Ia/In	
			50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	400V 50Hz	460V 60Hz	50Hz	60Hz
602013	MTF 10/5150-S02-ACC	80	4678	3230	5230	5200	51,3	51,0	230	205	3200	3600	6,50	6,00	5,24	5,50
602001	MTF 10/6600-S02-ACC	97	6083	3979	6800	6405	66,7	62,8	316	288	5000	5900	10,0	9,80	5,61	5,82
602498	MTF 10/10000-S02-ACC	97	8673	5664	9696	9117	95,1	89,4	420	381	7600	8000	13,5	12,4	4,72	4,92
602305	MTF 10/11200-S02-ACC	97	9983	6896	11160	11100	109	109	437	402	7600	8000	13,5	12,4	4,72	4,92
602217	MTF 10/12000-S09-RF-ACC	105	10700	7500	11963	12072	117	118	665	610	9000	9500	16,3	15,0	5,21	5,73
602101	MTF 10/13000-S02-ACC	97	11510	8158	12867	13130	126	129	485	410	9600	10000	17,0	16,0	4,98	5,00
602002	MTF 10/15000-S09-RF-ACC	105	12662	8700	14155	14004	139	137	690	650	10600	11270	19,0	18,0	5,88	5,78
602218	MTF 10/17500-S09-RF-ACC	105	15500	10439	17327	16804	170	165	750	700	13000	13700	24,5	23,0	5,71	5,96
602009	MTF 10/19500-S09-RF-ACC	105	17947	11430	20062	18400	197	181	760	710	13000	13700	24,5	23,0	5,71	5,96

* Working moment = 2 x static moment

RF = Possibilità di raffreddamento a circolazione d'acqua in ambienti ad alta temperatura.



DIMENSIONAL SPECIFICATIONS (mm)

Type	Fig.	A	ØB	ØC	ØD	ØH	N°	Holes		G	I	L	M	ØP	ØS	S	R	K	Filettatura Pressacavo (non fornito)
								E	F										
MTF 10/5150-S02-ACC	G2	865	400	280	355	22	6	215	172 (50Hz) 120 (60Hz)	23	248	304	402	302	40	54	-	12x8x20	M32x1,5
MTF 10/6600-S02-ACC	G2	815	610	360	520	32	8	215	104 (50Hz) 73 (60Hz)	34	174	387	426	400	50	80	-	14x9x60	M32x1,5
MTF 10/10000-S02-ACC	G2	970	610	360	520	32	8	215	147 (50Hz) 96 (60Hz)	34	255	387	500	400	50	75	-	14x9x60	M32x1,5
MTF 10/11200-S02-ACC	G2	970	610	360	520	32	8	215	172 (50Hz) 122 (60Hz)	34	255	387	500	400	50	75	-	14x9x60	M32x1,5
MTF 10/12000-S09-RF-ACC	G2	1095	610	444	560	25	16	280	107 (50Hz) 95 (60Hz)	40	200	486	615	445	65	140	-	20x12x90	M32x1,5
MTF 10/13000-S02-ACC	G2	1060	610	355	520	32	8	215	210 (50Hz) 162 (60Hz)	34	300	387	545	400	50	75	-	14x9x60	M32x1,5
MTF 10/15000-S09-RF-ACC	G2	1133	610	444 (50Hz) 420 (60Hz)	560	25	16	280	116 (50Hz) 95 (60Hz)	40	200	486	653	445	80	193	11	22x14x50	M32x1,5
MTF 10/17500-S09-RF-ACC	G2	1179	610	444 (50Hz) 420 (60Hz)	560	25	16	280	142 (50Hz) 114 (60Hz)	40	240	486	659	445	80	169	11	22x14x70	M32x1,5
MTF 10/19500-S09-RF-ACC	G2	1219	610	444	560	25	16	280	168 (50Hz) 106 (60Hz)	40	280	486	659	445	80	169	11	22x14x70	M32x1,5

la/ln = ratio between start-up current and max current.

