



MARCH PUMPS

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DESCRIPTION:

Series 8 are centrifugal magnetic drive pumps, eliminating the need for a shaft seal. Pumps are serviceable with an adjustable wrench. Screws should be tightened in sequence & uniformly. Do not over tighten the screws or you may crush the plastic housing bosses. See the parts list for a breakdown of parts.

Model Abbreviations: C: Polypropylene, K: Kynar, S: Stainless Steel

OPERATION:

Pumps are not self-priming, lack a suction lift, and thus require a **flooded suction**. Pumps **cannot be run dry** because the impeller requires the liquid being pumped for lubrication. The direction of motor rotation should be clockwise when facing the inlet of the pump. For liquids with a specific gravity greater than water, have a higher viscosity, or for elevated temperatures, a trimmed impeller may be necessary. For application assistance, contact March Pump.

ELECTRICAL:

TE-8-MD pumps are dual voltage 230/460, 3 phase 60 Hz and dual voltage 190/380, 3 phase 50 Hz, TEFC. Motors are totally enclosed fan cooled and are U.L. listed as well as rated for continuous operation. All motors have a conduit box for electrical connections.

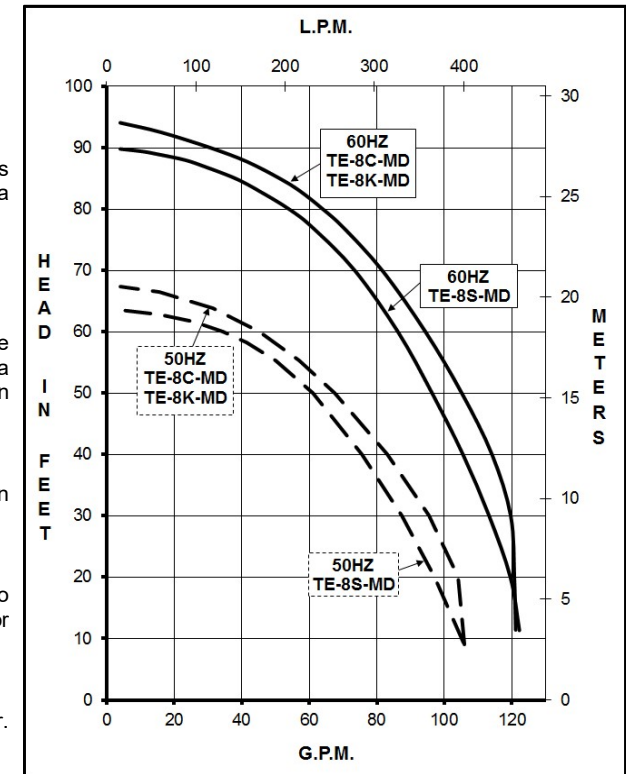
ASSEMBLY & DISASSEMBLY:

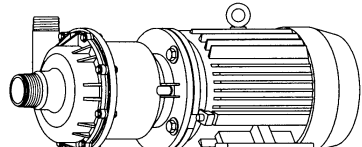
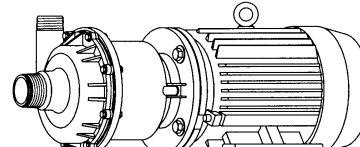
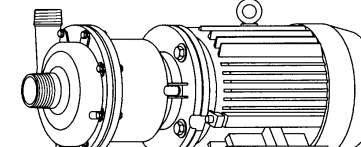
When replacing impeller bushings in the field, the plastic bushings must be bored to size after they have been pressed into the impeller. Bore to 0.630/0.632 I.D. The carbon & ceramic bushings are to finished size and do not require boring. When attaching the drive magnet to the motor shaft, position the face of the drive magnet 3/8 inch below the face of the motor bracket.

LIMITED WARRANTY:

March pumps are guaranteed only against defects in workmanship or materials for a period of one year from date of manufacture pumping water. For the complete warranty and to register online go to www.marchpump.com/warranty-registration

TE-8C-MD, TE-8K-MD, TE-8S-MD

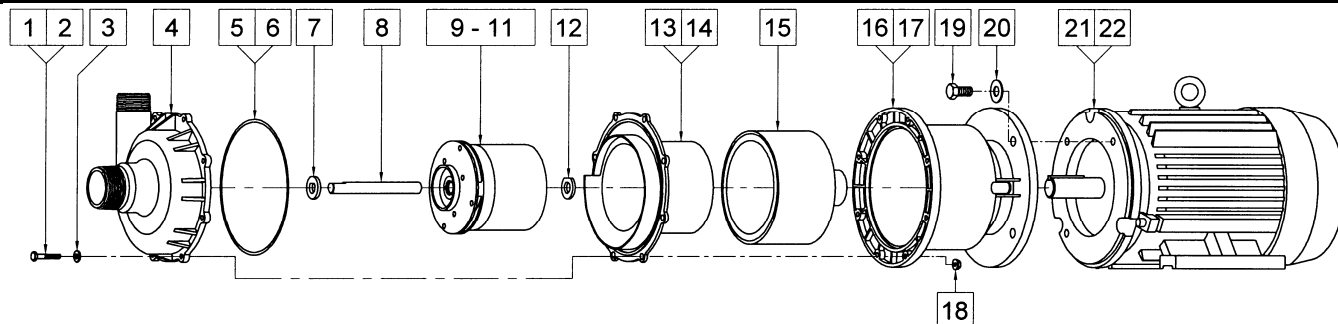


SPECIFICATIONS	TE-8C-MD											TE-8K-MD											TE-8S-MD									
																																
	0157-0008-0100											0157-0008-0200											0157-0030-0100									
	2" MPT - 1-1/2" MPT											2" MPT - 1-1/2" MPT											2" MPT - 1-1/2" MPT									
50 psi (344 kPa)											75 psi (517 kPa)											200 psi (1378 kPa)										
190 °F (87 °C)											200 °F (93 °C)											250 °F (121 °C)										
MODEL	60 Hz											50 Hz											Height		Width		Length		Packed Weight			
	Max Flow		Max Head		ELECTRICAL							Max Flow		Max Head		ELECTRICAL																
	gpm	lpm	ft	psi	m	Ph	V	A	Hp	kW	Rpm	gpm	lpm	ft	psi	m	Ph	V	A	Hp	kW	Rpm	Inches	cm	Inches	cm	Inches	cm	lbs	kg		
TE-8C-MD	120	454	95	41.2	29	3	230	7.8	3	2.2	3450	105	400	65.6	28.4	20	3	190	9.2	3	2.2	2850	10.86	27.5	12.73	32.3	24.68	62.6	142	64.41		
							460	3.9										380	4.6													
TE-8K-MD	120	454	95	41.2	29	3	230	7.8	3	2.2	3450	105	400	65.6	28.4	20	3	190	9.2	3	2.2	2850	10.86	27.5	12.73	32.3	24.68	62.6	142	64.41		
							460	3.9										380	4.6													
TE-8S-MD	120	454	90	39	27.4	3	230	12.6	5	3.7	3450	105	400	63.3	27.4	19.3	3	190	15	5	3.7	2850	10.86	27.5	12.73	32.3	24.68	62.6	180	81.5		
							460	6.3										380	7.5													

All specifications & data are based on pumping water & are intended as a guideline only. Specifications may varv with different motors.

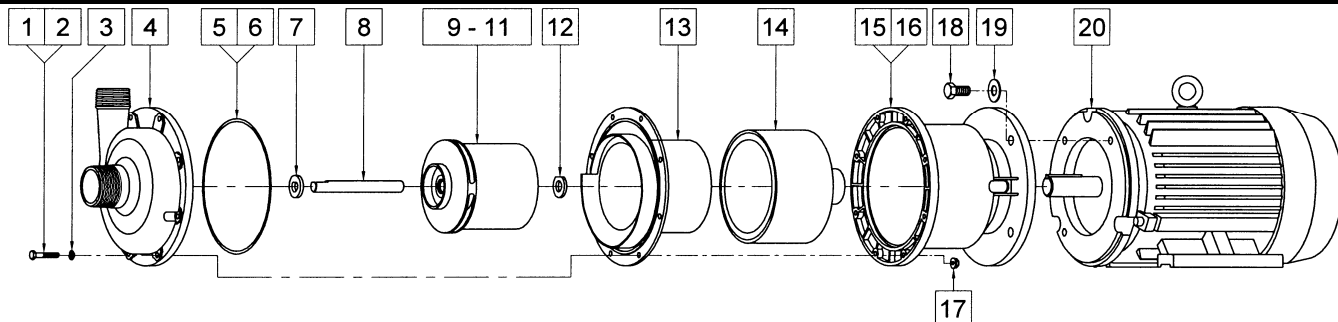
All specifications & data are based on pumping water & are intended as a guideline only. Specifications may vary with different motors.

PARTS LIST



Materials in Contact with Solution: TE-8C-MD: Polypropylene/Carbon Filled, Viton, Teflon/Ryton/Carbon, Ceramic
TE-8K-MD: Kynar/Carbon Filled, Viton, Carbon, Ceramic

#	DESCRIPTION	TE-8C-MD	TE-8K-MD	SIZE (Inches)	QTY.	TE-8C-MD	TE-8K-MD
1	Screw		Stainless	1/4-20 x 1-1/2 Lg.	8	0153-0011-1000	
2	Screw (Used w/Item #17) (Option)		Stainless	1/4-20 x 1-1/4 Lg.	8	0157-0036-1000	
3	Washer		Stainless	1/4 ID x 5/8 OD	8	0157-0023-1000	
4	Pump Housing	Polypropylene	Kynar		1	0157-0007-1000	0157-0052-1000
5	"O" Ring		Viton	0.157 CS x 7.244 ID	1	0157-0011-1000	
6	"O" Ring (Option)		Viton/Teflon	1/8 CS x 7-1/2 OD	1	0157-0032-1000	
7	Thrust Washer (Front)		Ceramic		1	0157-0001-1000	
8	Shaft		Ceramic		1	0157-0002-1000	
9	Impeller w/Ryton Bushing	Polypropylene	Kynar (Option)		1	0157-0004-0200	0157-0050-0200
10	Impeller w/Carbon Bushing	Polypropylene (Option)	Kynar		1	0157-0004-0500	0157-0050-0500
11	Impeller w/Mica Teflon Bushing	Polypropylene (Option)	Kynar (Option)		1	0157-0004-0700	0157-0050-0700
12	Thrust Washer (Rear)		Ceramic		1	0157-0009-1000	
13	Rear Housing	Polypropylene			1	0157-0006-1000	
14	Rear Housing		Kynar		1		0157-0053-1000
15	Drive Magnet				1	0157-0005-0100	
16	Motor Bracket		Plastic		1	0157-0100-1000	
17	Motor Bracket (Option)		Metal		1	0157-0008-0000	
18	Lock Nut (Serrated)		Stainless	1/4-20	8	0156-0053-1000	
19	Screw		Stainless	1/2-13 x 1 Lg.	4	0160-0031-1000	
20	Washer		Stainless	1/2 ID x 1-1/4 OD	4	0160-0032-1000	
21	TEFC Motor, 3 HP, 230/460 V, 3 Phase, 50/60 Hz				1	0157-0012-1000	
22	TEFC Motor, 5 HP, 230/460 V, 3 Phase, 50/60 Hz (Option)				1	0157-0065-1000	
W	Wet End Kit	1,3,4,5,7,8,9,12,13,18	1,3,4,5,7,8,10,12,14,18		1	0157-0085-0100	0157-0086-0100



Materials in Contact with Solution: 316 Stainless Steel, Viton, Carbon, Ceramic

#	DESCRIPTION	TE-8S-MD	SIZE (Inches)	QTY.	TE-8S-MD
1	Screw	Stainless	1/4-20 x 1-1/2 Lg.	8	0153-0011-1000
2	Screw (Used w/Item #16) (Option)	Stainless	1/4-20 x 1-1/4 Lg.	8	0157-0036-1000
3	Lock Washer (Split)	Stainless	1/4	8	0157-0037-1000
4	Pump Housing	316 Stainless		1	0157-0030-0001
5	"O" Ring	Viton	0.157 CS x 7.244 ID	1	0157-0011-1000
6	"O" Ring (Option)	Viton/Teflon	1/8 CS x 7-1/2 OD	1	0157-0032-1000
7	Thrust Washer (Front)	Ceramic		1	0157-0001-1000
8	Shaft	Ceramic		1	0157-0002-1000
9	Impeller w/Carbon Bushing	316 Stainless		1	0157-0029-0500
10	Impeller w/Ryton Bushing (Option)	316 Stainless		1	0157-0029-0200
11	Impeller w/Mica Teflon Bushing (Option)	316 Stainless		1	0157-0029-0700
12	Thrust Washer (Rear)	Ceramic		1	0157-0009-1000
13	Rear Housing	316 Stainless		1	0157-0028-0001
14	Drive Magnet			1	0157-0005-0100
15	Motor Bracket	Plastic		1	0157-0100-1000
16	Motor Bracket (Option)	Metal		1	0157-0008-0000
17	Lock Nut (Serrated)	Stainless	1/4-20	8	0156-0053-1000
18	Screw	Stainless	1/2-13 x 1 Lg.	4	0160-0031-1000
19	Washer	Stainless	1/2 ID x 1-1/4 OD	4	0160-0032-1000
20	TEFC Motor, 5HP, 230/460V, 3 Phase, 50/60 Hz			1	0157-0065-1000

NOTE: Contact Factory for other materials and/or parts not listed such as explosion proof and special voltage motors.

0157-0021-1000 R19