

## March Pump Less Motor Help

NEMA	Motor Frame Size	Motor Shaft Length Needed	NEMA Drive Magnet P/N	Motor Shaft Diameter Needed	NEMA Motor Bracket P/N	Motor Extras
		Inches		Inches		
<u>Series TE-5</u>	42/48C Hybrid	1.093	0150-0176-0300	0.375	0150-0126-0100	C Face, Feet
<u>Series TE-5.5</u>	56C	0.88	0151-0101-0100	0.625	0151-0090-0100	C Face, Feet
<u>Series TE-6</u>	56C	1.38	0153-0035-0100	0.625	0153-0001-0100	C Face, Feet
<u>Series TE-7</u>	56C	1.5	0155-0130-0200	0.625	0155-0092-0100	C Face, Feet
<u>Series TE-7.5</u>	143TC, 145TC, 182C, 184C	2.12	0156-0009-0100	0.875	0156-0041-1000	C Face, Feet
<u>Series TE-8</u>	182TC, 184TC, 213C, 215C	2.625	0157-0005-0100	1.125	0157-0100-1000	C Face, Feet
<u>Series TE-10</u>	213TC, 215TC, 254UC, 256UC	3.13	0161-0031-0100	1.375	0161-0007-0001	C Face, Feet

IEC	Motor Frame Size	Motor Shaft Length Needed	IEC Drive Magnet P/N	Motor Shaft Diameter Needed	IEC Motor Bracket P/N	Motor Extras
		MM		MM		
<u>Series TE-5</u>	56	27.7	0150-0178-0200	9	0150-0177-1000	B3 Feet, B14 Face
<u>Series TE-5.5</u>	N/A	22.3	0151-0051-0200	11	N/A	N/A
<u>Series TE-6</u>	71	35	0153-0035-0200	14	0153-0071-1000	B3 Feet, B14 Face
<u>Series TE-7</u>	71	38.1	0155-0131-0200	14	0155-0184-1000	B3 Feet, B14 Face
<u>Series TE-7.5</u>	90S & 90L	50	0156-0040-0100	24	0156-0074-0010	B3 Feet, B5 Face
<u>Series TE-8</u>	90	50	0157-0091-0100	24	0157-0100-0000	B3 Feet, B5 Face
<u>Series TE-10</u>	132	79.5	0161-0031-0200	38	0161-0048-0100	B3 Feet, B14 Face

\*All motors should be soft starting.

Requires Rails

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	Minimum HP required 60HZ	Minimum HP required 50HZ	Minimum KW required 60HZ	Minimum KW required 50HZ
<u>Series TE-5</u>	0.2	0.2	0.149	0.149
<u>Series TE-5.5</u>	0.33	0.33	0.246	0.246
<u>Series TE-6</u>	0.5	0.5	0.372	0.372
<u>Series TE-7</u>	0.75	0.75	0.559	0.559
<u>TE-7S-MD</u>	1	0.75	0.745	0.559
<u>Series TE-7.5</u>	2	1.5	1.491	1.118
<u>Series TE-8</u>	3	2	2.237	1.491
<u>TE-8S-MD</u>	5	5	3.728	3.728
<u>Series TE-10</u>	10	7.5	7.457	5.592

Minimum HP and KW is suggested assuming maximum flow condition and 1.0 Specific Gravity.

	Position of Drive Magnet	Drive Magnet Set Screw Torque
Series TE-5	0.093 inches below the face of the motor bracket.	50 inch pounds
Series TE-5.5	Flush with the face of the motor bracket.	50 inch pounds
Series TE-6	0.093 inches below the face of the motor bracket.	50 inch pounds
Series TE-7	0.125 inches below the face of the motor bracket.	50 inch pounds
Series TE-7.5	0.156 inches above the face of the motor bracket.	50 inch pounds
Series TE-8	0.375 inches below the face of the motor bracket.	50 inch pounds
Series TE-10	0.188 inches above the face of the motor bracket.	50 inch pounds