

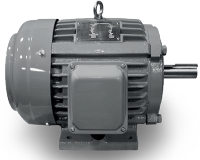
MAX-PM™ PERMANENT MAGNET



DVEM, PERMANENT MAGNET SYNCHRONOUS MOTOR, TEFC (1HP - 30 HP) [PM]

Effective: 05-03-2021

Supersedes: 07-08-18



APPLICATIONS:

- Pumps
- Fans
- Grinders

FEATURES:

- Output: 1 - 30 HP
- Speed: 3600,1800,1200 RPM
- Enclosure: Totally Enclosed Fan Cooled (IP55)
- Voltage: 230/460V
- Three Phase, 60 Hz, 1.0 Service Factor (Continuous)
- Class F Insulation
- Class B Temperature Rise
- IE4 Efficiency Level
- Rolled Steel Fan Cover, and Main Conduit Box Rotatable in 90 Degree Increments
- Cast Iron Frame, End Brackets
- Grounding Terminal Inside Main Conduit Box
- Oversized Main Conduit Box - F1 Mounted, F2 Convertible.
- Designed for 40°C Ambient Temperature¹
- Designed for 3300 ft. Elevation²
- Bi-Directional Rotation
- 1045 Carbon Steel Shaft
- Permanent Magnet Rotor Construction (NdFeB)
- Double Shielded Bearings Pre-Packed with MULTEMP SRL
- Stainless Steel Nameplate
- Paint System: Phenolic Rust Proof Base Plus Polyurethane Top Coat
- Paint Color: Green - Munsell 10GY 5/12
- Method of Starting: Controlled by Permanent Magnet Synchronous Motor Drive
- Over Torque: 150% Rated Torque for 60 Seconds
- 9 Leads
- Two Drain Holes on Bottom of Frame
- Motors are cCSAus Approved, and CE Marked

EXTRAS/ OPTIONS:

Please refer to pages 147 - 152 for common modifications that can be performed.

Notes:

1. Consult a Stock Product Application Specialist for suitability in higher ambient environments.
2. Consult a Stock Product Application Specialist for suitability at higher elevations.

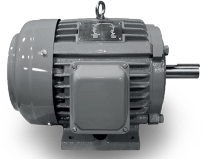
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HP	RPM	FRAME	FL EFF %	INDUCED VOLTAGE CONSTANT (V/krpm)	FL AMPS (460V)	APPROX. SHIPPING WT. (lbs.)	FOOTED	
							CATALOG NUMBER	
1	3600	143T	83.5	89.0	1.50	33	PM0012	
1	1800	143T	85.7	171	1.50	33	PM0014	
1	1200	145T	82.7	258	1.50	42	PM0016	
1.5	3600	143T	85.2	91.0	2.20	37	PM1/52	
1.5	1800	145T	87.2	169	2.30	42	PM1/54	
1.5	1200	182T	84.5	267	2.20	72	PM1/56	
2	3600	145T	86.5	91.0	3.00	36	PM0022	
2	1800	145T	88.2	169	3.00	46	PM0024	
2	1200	184T	85.9	267	2.90	69	PM0026	
3	3600	182T	88.0	88.0	4.40	66	PM0032	
3	1800	182T	89.5	182	4.50	66	PM0034	
3	1200	213T	87.4	267	4.40	107	PM0036	
5	3600	184T	89.7	90.0	7.10	69	PM0052	
5	1800	184T	90.9	181	7.00	90	PM0054	
5	1200	215T	89.3	274	7.00	115	PM0056	
7.5	3600	213T	90.9	88.0	11.0	95	PM7/52	
7.5	1800	213T	91.9	180	10.4	101	PM7/54	
7.5	1200	254T	90.5	275	10.2	176	PM7/56	
10	3600	215T	91.7	94.0	14.0	107	PM0102	
10	1800	215T	92.6	179	14.5	115	PM0104	
10	1200	256T	91.3	272	14.5	216	PM0106	
15	3600	254T	92.6	94.0	20.0	163	PM0152	
15	1800	254T	93.3	190	20.0	176	PM0154	
15	1200	284T	92.3	286	20.0	299	PM0156	
20	3600	256T	93.3	95.0	28.0	186	PM0202	
20	1800	256T	93.9	181	28.0	196	PM0204	
20	1200	286T	92.9	283	27.5	326	PM0206	
25	3600	284TS	93.7	95.0	33.5	267	PM0252	
25	1800	284T	94.2	195	33.0	299	PM0254	
30	3600	286TS	94.0	98.0	39.5	312	PM0302	
30	1800	286T	94.5	193	39.5	326	PM0304	

Note:

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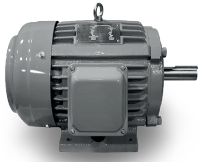
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							CATALOG NUMBER	
1	3600	143TC	83.5	89.0	1.50	33	PM0012C	
1	1800	143TC	85.7	171	1.50	33	PM0014C	
1	1200	145TC	82.7	258	1.50	42	PM0016C	
1.5	3600	143TC	85.2	91.0	2.20	37	PM1/52C	
1.5	1800	145TC	87.2	169	2.30	42	PM1/54C	
1.5	1200	182TC	84.5	267	2.20	72	PM1/56C	
2	3600	145TC	86.5	91.0	3.00	36	PM0022C	
2	1800	145TC	88.2	169	3.00	46	PM0024C	
2	1200	184TC	85.9	267	2.90	69	PM0026C	
3	3600	182TC	88.0	88.0	4.40	66	PM0032C	
3	1800	182TC	89.5	182	4.50	66	PM0034C	
3	1200	213TC	87.4	267	4.40	107	PM0036C	
5	3600	184TC	89.7	90.0	7.10	69	PM0052C	
5	1800	184TC	90.9	181	7.00	90	PM0054C	
5	1200	215TC	89.3	274	7.00	115	PM0056C	
7.5	3600	213TC	90.9	88.0	11.0	95	PM7/52C	
7.5	1800	213TC	91.9	180	10.4	101	PM7/54C	
7.5	1200	254TC	90.5	275	10.2	176	PM7/56C	
10	3600	215TC	91.7	94.0	14.0	107	PM0102C	
10	1800	215TC	92.6	179	14.5	115	PM0104C	
10	1200	256TC	91.3	272	14.5	216	PM0106C	
15	3600	254TC	92.6	94.0	20.0	163	PM0152C	
15	1800	254TC	93.3	190	20.0	176	PM0154C	
15	1200	284TC	92.3	286	20.0	299	PM0156C	
20	3600	256TC	93.3	95.0	28.0	186	PM0202C	
20	1800	256TC	93.9	181	28.0	196	PM0204C	
20	1200	286TC	92.9	283	27.5	326	PM0206C	
25	3600	284TSC	93.7	95.0	33.5	267	PM0252C	
25	1800	284TC	94.2	195	33.0	299	PM0254C	
30	3600	286TSC	94.0	98.0	39.5	312	PM0302C	
30	1800	286TC	94.5	193	39.5	326	PM0304C	

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