

81/92mm Shaded Pole Fan Motors

Refrigeration product manufacturers rely on dependable, high quality fan motors to keep products running efficiently over long periods of time. These manufacturers have long relied on Merkle-Korff Industries — a company with a 100-year track record of designing and manufacturing motors and gearmotors — to meet their exacting requirements.

Our shaded pole refrigeration fan motors have been designed for the rigors of 24/7 refrigeration applications. Our unique product design features include a bearing/lubrication system and insulation system that provide years of dependable operation. Merkle-Korff commercial refrigeration motors are easy to install, and do not require maintenance during the life of the motor.

Merkle-Korff's low cost global manufacturing platform — with manufacturing facilities on three continents — will provide customers with product value that will meet their most demanding requirements.

Experience all that Merkle-Korff has to offer for refrigeration fan motor applications. Contact us today to learn more.



Features

- -20° to 70°C Oil
- Impedance protection except 16W - auto overload
- Threaded shaft 1/4 - 20, 0.51/0.41" long
- 26-inch lead length with 1/2" bare wire stripped
- Single speed
- Totally enclosed air over (TEAO) designs
- CW or CCW only rotation
- Aluminum or cast iron construction
- One side pad
- 1550 RPM (except 2.5W 1,000)
- Small nose rotor
- Easy installation

Optional features

- Freezer oil : -40° to -20°C
- Custom lead lengths (2" increments)
- Other lead terminations available
- Side pads: none or two
- Large nose rotor

Applications

- Refrigeration
- Food/beverage coolers
- Display cases
- Vending machines
- Walk-in coolers
- Blowers and fans
- Condensing units

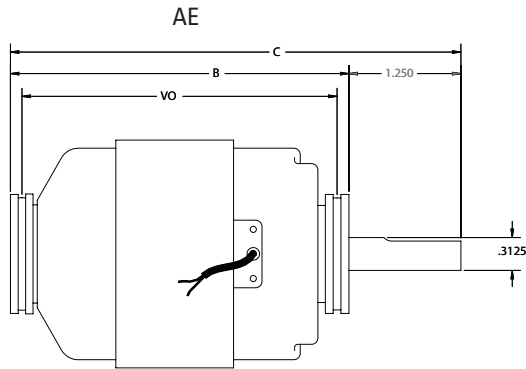


Merkle-Korff Industries®

A Kinetek Company®

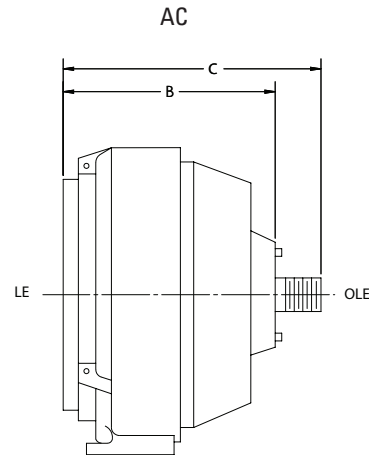
Merkle-Korff Industries
4602 Emery Drive
Fort Wayne, IN 46809
Phone: (260) 247-9920
Fax: (260) 747-9780
Email: refrigeration@merkle-korff.com
Web: www.merkle-korff.com

Dimensional diagram



Dim Ref	Dimensions in Inches			Dia Max
	B	C	YO	
1	4.50	5.81	Refer to Note 1	3.94
2	4.75	6.06	Refer to Note 1	3.94
3	4.82	6.13	4.51	3.94
4	5.07	6.38	4.76	3.94
5	5.58	6.91	Refer to Note 1	4.20
6	6.15	7.48	5.83	4.20
7	5.90	7.23	5.58	4.20
8	5.07	7.13	4.76	3.94
9	5.85	7.16	Refer to Note 1	4.20
10	4.76	6.81	Refer to Note 1	3.94

1. Motor does not have resilient rings.



Dim Ref	Dimensions in Inches		
	B	C	Shaft ①
1	2.80	3.30	Threads
2	3.30	3.80	Threads
3	3.50	4.00	Threads
4	3.70	4.00	Threads

① Threaded shaft is .250-20 x 0.51/0.41 long

92mm, Shaded Pole - Open

Output Power (HP)	RPM	Speeds	Volts	Base	Rotation	FLA	Cat. No.	Norm. Stk.	Wt. (lbs)	Mfg. Dim	Notes
1/35	1550	1	115	RR	CCW	1.70	1441	Y	7	AE4	4
1/35	1550	1	115	RR	CW	1.70	1431	Y	6	AE4	4
1/35	1550	1	208-230	RR	CCW	0.87	1442	N	9	AE4	4
1/35	1550	1	208-230	RR	CW	0.80	1432	Y	7	AE4	4
1/20	1550	1	115	RR	CCW	2.20	1341	N	9	AE8	4, 93
1/20	1550	1	115	RR	CW	2.20	1331	Y	7	AE8	4, 93
1/20	1550	1	230	RR	CW	1.10	1336	Y	9	AE8	4
1/20	1550	1	208-230	RR	CCW	1.10	1342	Y	7	AE8	4, 93
1/20	1550	1	208-230	RR	CW	1.10	1332	Y	7	AE10	4, 93
1/15	1550	1	208-230	RR	CW	1.20	1232	Y	7	AE8	4, 84

81 mm, Shaded Pole - Totally Enclosed - Aluminum Frame

Output Power (Watts)	RPM	Speeds	Volts	Base	Rotation	FLA	Cat. No.	Norm. Stk.	Wt. (lbs)	Mfg. Dim	Notes
2W	1550	1	115	Tap	CW	0.25	5109	Y	4	AC1	4, 84
2W	1150	1	115	Tap	CW	0.14	5108	N	2	AC1	4, 84
2.5W	1000	1	115	Tap	CW	0.30	5113	Y	2	AC1	4, 84
4W	1550	1	115	Tap	CCW	0.30	5214	N	2	AC1	4, 84
4W	1550	1	115	Tap	CW	0.30	5213	Y	2	AC1	4, 84
4W	1550	1	230	Tap	CCW	0.20	5224	N	2	AC1	4, 84
4W	1550	1	230	Tap	CW	0.20	5223	Y	2	AC1	4, 84
6W	1550	1	115	Tap	CCW	0.40	5314	N	2	AC2	4, 84
6W	1550	1	115	Tap	CW	0.40	5313	Y	2	AC2	4, 84
9W	1550	1	115	Tap	CCW	0.60	5414	Y	2	AC2	4, 84
9W	1550	1	115	Tap	CW	0.60	5413	Y	2	AC2	4, 84
9W	1550	1	230	Tap	CCW	0.30	5424	N	2	AC2	4, 84
9W	1550	1	230	Tap	CW	0.30	5423	Y	2	AC2	4, 84
16W	1550	1	115	Tap	CCW	1.00	5814	Y	3	AC3	4, 84
16W	1550	1	115	Tap	CW	1.00	5813	Y	3	AC3	4, 84
16W	1550	1	230	Tap	CCW	0.50	5824	N	3	AC3	4, 84
16W	1550	1	230	Tap	CW	0.50	5823	Y	3	AC3	4, 84

Shaded Pole - Totally Enclosed - Cast Iron Frame

HP	RPM	Speeds	Volts	Base	Rotation	FLA	Cat. No.	Norm. Stk.	Wt. (lbs)	Mfg. Dim	Notes
2.5W	1000	1	115	Tap	CW	0.30	5111	Y	2	AC1	4, 84
4W	1550	1	115	Tap	CCW	0.30	5212	Y	2	AC1	4, 84
4W	1550	1	115	Tap	CW	0.30	5211	Y	2	AC1	4, 84
4W	1550	1	230	Tap	CCW	0.20	5222	Y	3	AC1	4, 84
4W	1550	1	230	Tap	CW	0.20	5221	Y	3	AC1	4, 84
6W	1550	1	115	Tap	CCW	0.40	5312	N	4	AC2	4, 84
6W	1550	1	115	Tap	CW	0.40	5311	Y	3	AC2	4, 84
9W	1550	1	115	Tap	CCW	0.60	5412	Y	3	AC2	4, 84
9W	1550	1	115	Tap	CW	0.60	5411	Y	3	AC2	4, 84
9W	1550	1	230	Tap	CCW	0.30	5422	Y	3	AC2	4, 84
9W	1550	1	230	Tap	CW	0.30	5421	Y	3	AC2	4, 84
16W	1550	1	115	Tap	CCW	1.00	5812	Y	4	AC3	4, 84
16W	1550	1	115	Tap	CW	1.00	5811	Y	4	AC3	4, 84
16W	1550	1	230	Tap	CCW	0.50	5822	Y	6	AC3	4, 84
16W	1550	1	230	Tap	CW	0.50	5821	Y	6	AC3	4, 84



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