

Section 8: LAM IEEE 45 Marine-Duty Motors



Louis Allis LAM Series Motors - IEEE 45 Marine-Duty TEFC Enclosure ▪ Rigid Base ▪ Three-Phase ▪ 230/460 and 460 Volt

Product Specifications

- 1-500 HP
- 3600, 1800, 1200 and 900 RPM
- 60 Hz, 230/460V (1-200 HP)
- 60 Hz, 460V (250-500 HP)
- Totally Enclosed Fan Cooled (TEFC) Enclosure
- IP55 Protection
- 1.25 SF (1-200 HP)
- 1.15 SF (250-500 HP)
- Class F insulation
- Rigid Base
- NEMA Premium Efficiency
- Inverter Duty, 10:1 CT / 20:1 VT (1.0 SF)
- Class 1 Division 2 Groups A,B,C,D
- Double Vacuum Pressure Impregnation (VPI) Treatment
- Heavy Gauge Rolled Steel Fan Cover
- All Frames Double Punched
- Metal Clad V-Ring on DE, Oil Seal on ODE



HP	RPM	Voltage	Frame	Model Number	List Price	FL Amps (A)	FL Eff. (%)	Approx. Wt. (lbs.)	Notes
1	1800	230/460	143T	LAM1-18-143T	\$478.88	1.4	85.5	54	
	1200	230/460	145T	LAM1-12-145T	\$708.68	1.7	82.5	57	
1.5	3600	230/460	143T	LAM1.5-36-143T	\$604.00	1.9	84.0	51	
	1800	230/460	145T	LAM1.5-18-145T	\$590.97	2.1	86.5	55	
	1200	230/460	182T	LAM1.5-12-182T	\$809.69	2.4	87.5	89	
2	3600	230/460	145T	LAM2-36-145T	\$671.00	2.5	85.5	55	
	1800	230/460	145T	LAM2-18-145T	\$626.14	2.7	86.5	58	
	1200	230/460	184T	LAM2-12-184T	\$1,063.44	3.4	88.5	100	
3	3600	230/460	145T	LAM3-36-145T	\$787.00	3.8	86.5	62	
	3600	230/460	182T	LAM3-36-182T	\$787.00	3.7	86.5	87	
	1800	230/460	182T	LAM3-18-182T	\$881.60	3.8	89.5	95	
	1200	230/460	213T	LAM3-12-213T	\$1,431.69	4.1	89.5	145	
5	900	230/460	215T	LAM3-9-215T	\$2,139.18	4.3	85.5	---	
	3600	230/460	184T	LAM5-36-184T	\$1,000.00	5.9	88.5	104	
	1800	230/460	184T	LAM5-18-184T	\$1,033.03	6.2	89.5	113	
	1200	230/460	215T	LAM5-12-215T	\$1,775.63	6.7	89.5	196	
7.5	900	230/460	254T	LAM5-9-254T	\$3,308.65	8.1	86.5	---	
	3600	230/460	213T	LAM7.5-36-213T	\$1,566.00	8.6	89.5	180	
	1800	230/460	213T	LAM7.5-18-213T	\$1,365.88	8.9	91.7	147	
	1200	230/460	254T	LAM7.5-12-254T	\$2,333.49	9.7	91.0	273	
10	900	230/460	256T	LAM7.5-9-256T	\$3,667.43	11.6	86.5	---	
	3600	230/460	215T	LAM10-36-215T	\$1,659.00	11.6	90.2	192	
	1800	230/460	215T	LAM10-18-215T	\$1,654.66	11.6	91.7	198	
	1200	230/460	256T	LAM10-12-256T	\$2,928.46	13.0	91.0	311	
15	900	230/460	284T	LAM10-9-284T	\$4,658.40	14.3	89.5	---	
	3600	230/460	254T	LAM15-36-254T	\$2,550.00	16.6	91.0	291	
	1800	230/460	254T	LAM15-18-254T	\$2,378.12	17.3	92.4	304	
	1200	230/460	284T	LAM15-12-284T	\$3,677.19	18.4	91.7	449	
20	900	230/460	286T	LAM15-9-286T	\$5,421.20	22.4	89.5	---	
	3600	230/460	256T	LAM20-36-256T	\$2,568.00	22.3	91.0	320	
	1800	230/460	256T	LAM20-18-256T	\$2,732.43	23.2	93.0	332	
	1200	230/460	286T	LAM20-12-286T	\$4,586.46	26.3	91.7	486	
25	900	230/460	324T	LAM20-9-324T	\$6,441.36	32.6	90.2	---	
	3600	230/460	284TS	LAM25-36-284TS	\$3,230.00	28.0	91.7	430	
	1800	230/460	284T	LAM25-18-284T	\$3,564.24	29.8	93.6	420	
	1800	230/460	284TS	LAM25-18-284TS	\$3,564.24	29.8	93.6	420	
	1200	230/460	324T	LAM25-12-324T	\$5,216.32	30.2	93.0	649	
30	900	230/460	326T	LAM25-9-326T	\$7,265.51	33.1	90.2	---	
	3600	230/460	286TS	LAM30-36-286TS	\$3,801.00	33.2	91.7	434	
	1800	230/460	286T	LAM30-18-286T	\$4,037.63	35.7	93.6	449	
	1800	230/460	286TS	LAM30-18-286TS	\$4,037.63	35.7	93.6	449	
	1200	230/460	326T	LAM30-12-326T	\$6,123.50	34.6	93.0	688	
	900	230/460	364T	LAM30-9-364T	\$10,991.08	40.2	91.7	---	

When using any motor with a variable frequency drive, take precautions to eliminate or reduce shaft currents in order to prolong bearing life.

Section 8: LAM IEEE 45 Marine-Duty Motors



Louis Allis LAM Series Motors - IEEE 45 Marine-Duty (Continued)

TEFC Enclosure ▪ Rigid Base ▪ Three-Phase ▪ 230/460 Volt

HP	RPM	Voltage	Frame	Model Number	List Price	FL Amps (A)	FL Eff. (%)	Approx. Wt. (lbs.)	Notes
40	3600	230/460	324TS	LAM40-36-324TS	\$4,939.00	46.4	92.4	552	
	1800	230/460	324T	LAM40-18-324T	\$5,131.19	47.6	94.1	596	
	1800	230/460	324TS	LAM40-18-324TS	\$5,131.19	47.6	94.1	596	
	1200	230/460	364T	LAM40-12-364T	\$7,610.32	46.2	94.1	825	
	900	230/460	365T	LAM40-9-365T	\$12,142.06	52.8	91.7	---	
50	3600	230/460	326TS	LAM50-36-326TS	\$6,315.00	55.3	93.0	572	
	1800	230/460	326T	LAM50-18-326T	\$5,831.02	58.2	94.5	633	
	1800	230/460	326TS	LAM50-18-326TS	\$5,831.02	58.2	94.5	633	
	1200	230/460	365T	LAM50-12-365T	\$9,979.11	58.3	94.1	1038	
	900	230/460	404T	LAM50-9-404T	\$17,577.61	60.5	92.4	---	R
60	3600	230/460	364TS	LAM60-36-364TS	\$8,350.00	65.7	93.6	790	
	1800	230/460	364T	LAM60-18-364T	\$7,702.51	69.4	95.0	824	
	1800	230/460	364TS	LAM60-18-364TS	\$7,702.51	69.4	95.0	824	
	1200	230/460	404T	LAM60-12-404T	\$11,033.17	70.6	94.5	1126	R
	900	230/460	405T	LAM60-9-405T	\$20,481.29	77.6	92.4	---	R
75	3600	230/460	365TS	LAM75-36-365TS	\$10,428.00	80.8	93.6	949	
	1800	230/460	365T	LAM75-18-365T	\$9,277.68	85.8	95.4	946	
	1800	230/460	365TS	LAM75-18-365TS	\$9,277.68	85.8	95.4	946	
	1200	230/460	405T	LAM75-12-405T	\$11,563.43	83.7	94.5	1212	R
	900	230/460	444T	LAM75-9-444T	\$23,537.37	94.0	93.6	---	R
100	3600	230/460	405TS	LAM100-36-405TS	\$13,833.00	109	94.1	1122	
	1800	230/460	405T	LAM100-18-405T	\$10,999.62	114.9	95.4	1151	R
	1800	230/460	405T	LAM100-18-405TBB	\$10,999.62	114.9	95.4	1151	BB
	1800	230/460	405TS	LAM100-18-405TS	\$10,999.62	114.9	95.4	1151	
	1200	230/460	444T	LAM100-12-444T	\$16,366.40	115	95.0	1353	R
	900	230/460	445T	LAM100-9-445T	\$27,032.67	131.0	93.6	---	R
125	3600	230/460	444TS	LAM125-36-444TS	\$18,071.00	129	95.0	1371	
	1800	230/460	444T	LAM125-18-444T	\$16,254.97	136.6	95.4	1298	R
	1800	230/460	444T	LAM125-18-444TBB	\$16,254.97	136.6	95.4	1298	BB
	1800	230/460	444TS	LAM125-18-444TS	\$16,254.97	136.6	95.4	1298	
	1200	230/460	445T	LAM125-12-445T	\$19,497.31	141	95.0	1488	R
	900	230/460	445/7T	LAM125-9-445/7T	\$28,036.86	152.3	94.1	---	R
150	3600	230/460	445TS	LAM150-36-445TS	\$20,793.00	161	95.0	1455	
	1800	230/460	445T	LAM150-18-445T	\$17,248.06	163.7	95.8	1410	R
	1800	230/460	445T	LAM150-18-445TBB	\$17,248.06	163.7	95.8	1410	BB
	1800	230/460	445TS	LAM150-18-445TS	\$17,248.06	163.7	95.8	1410	
	1200	230/460	447T	LAM150-12-447T	\$24,904.85	170	95.8	1975	R
	900	460	449T	LAM150-9-449T	\$30,695.41	189.8	94.1	---	R
200	3600	230/460	447TS	LAM200-36-447TS	\$27,261.00	217	95.4	1907	
	1800	230/460	445/7T	LAM200-18-445/7T	\$22,923.18	221.1	96.2	2203	R
	1800	230/460	445/7T	LAM200-18-445/7TBB	\$22,923.18	221.1	96.2	2203	BB
	1800	230/460	445/7TS	LAM200-18-445/7TS	\$22,923.18	221.1	96.2	2203	
	1200	460	449T	LAM200-12-449T	\$29,467.95	231	95.8	2552	R
	900	460	449T	LAM200-9-449T	\$49,664.45	256.0	94.5	---	R
250	3600	460	449TS	LAM250-36-449TS	\$31,497.00	276	95.8	2368	
	1800	460	449T	LAM250-18-449T	\$31,285.43	271	96.2	2530	R
	1800	460	449T	LAM250-18-449TBB	\$31,285.43	271	96.2	2530	BB
	1200	460	449T	LAM250-12-449T	\$37,076.68	279.1	95.8	2552	R
	1200	460	449T	LAM250-12-449T-IB	\$38,819.00	279.1	95.8	2646	IB R
	1200	460	586/7	LAM250-12-586/7	\$54,198.00	279.1	95.8	2552	R
	900	460	L449T	LAM250-9-L449T	\$50,145.58	315.5	95.0	---	R
	900	460	586/7	LAM250-9-586/7	\$52,735.56	298.6	95.0	---	R

BB Ball bearing on drive-end for direct coupled applications
 IB Insulated opposite drive-end bearing installed
 R Roller bearing on drive-end for belted applications

When using any motor with a variable frequency drive, take precautions to eliminate or reduce shaft currents in order to prolong bearing life.

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 LOUIS ALLIS
 IEEE 45 Marine Duty

Section 8: LAM IEEE 45 Marine-Duty Motors



Louis Allis LAM Series Motors - IEEE 45 Marine-Duty (Continued)

TEFC Enclosure ▪ Rigid Base ▪ Three-Phase ▪ 230/460 Volt

HP	RPM	Voltage	Frame	Model Number	List Price	FL Amps (A)	FL Eff. (%)	Approx. Wt. (lbs.)	Notes
300	3600	460	449TS	LAM300-36-449TS	\$34,030.74	332.3	95.8	2645	
	3600	460	449TS	LAM300-36-449TS-IB	\$42,676.00	332.3	95.8	2645	IB
	1800	460	449T	LAM300-18-449T	\$39,725.98	313.1	96.2	2785	R
	1800	460	449T	LAM300-18-449T-IB	\$39,725.98	313.1	96.2	2785	IB R
	1800	460	449T	LAM300-18-449TBB	\$39,725.98	313.1	96.2	2785	BB
	1800	460	449T	LAM300-18-449TBB-IB	\$39,725.98	313.1	96.2	2785	BB IB
	1800	460	586/7	LAM300-18-586/7	\$52,747.75	338.2	96.2	---	R
	1200	460	449T	LAM300-12-449T	\$42,235.39	336.8	95.8	2765	R
	1200	460	449T	LAM300-12-449T-IB	\$50,874.00	336.8	95.8	2765	IB R
	1200	460	586/7	LAM300-12-586/7	\$55,401.42	333.5	95.8	---	R
	900	460	L449T	LAM300-9-L449T	\$55,140.12	372.2	95.0	---	R
	900	460	586/7	LAM300-9-586/7	\$58,181.31	370.3	95.0	---	R
350	3600	460	449TS	LAM350-36-449TS	\$35,476.37	382.8	95.8	2870	
	3600	460	449TS	LAM350-36-449TS-IB	\$44,124.00	382.8	95.8	2870	IB
	1800	460	L449T	LAM350-18-L449T	\$39,636.19	382.4	96.2	---	R
	1800	460	L449T	LAM350-18-L449TBB	\$39,636.19	382.4	96.2	---	BB
	1800	460	L449T	LAM350-18-L449T-IB	\$45,111.76	382.4	96.2	---	IB R
	1800	460	L449T	LAM350-18-L449TBB-IB	\$45,111.76	382.4	96.2	---	BB IB
	1800	460	586/7	LAM350-18-586/7	\$56,034.51	376.0	96.2	3886	R
	1800	460	586/7UZ	LAM350-18-586/7UZ	\$56,034.51	376.0	96.2	3886	R
	1200	460	L449T	LAM350-12-L449T	\$48,712.79	410.6	95.8	4031	R
	1200	460	L449T	LAM350-12-L449T-F2	\$48,712.79	410.6	95.8	4031	F2 R
	1200	460	L449T	LAM350-12-L449T-IB	\$54,764.73	410.6	95.8	4031	IB R
	1200	460	L449T	LAM350-12-L449T-IB-F2	\$54,764.73	410.6	95.8	4031	IB R F2
1200	460	586/7	LAM350-12-586/7	\$57,915.43	374.0	95.8	4031	R	
400	3600	460	L449TS	LAM400-36-L449TS	\$47,278.75	421.3	95.8	---	
	3600	460	L449TS	LAM400-36-L449TS-IB	\$52,898.41	421.3	95.8	---	IB
	3600	460	586/7	LAM400-36-586/7	\$58,094.80	425.3	95.9	3986	
	1800	460	L449T	LAM400-18-L449T	\$45,999.97	433.8	96.2	3444	R
	1800	460	L449T	LAM400-18-L449TBB	\$45,999.97	433.8	96.2	3444	BB
	1800	460	L449T	LAM400-18-L449T-IB	\$52,051.91	433.8	96.2	3444	IB R
	1800	460	L449T	LAM400-18-L449TBB-IB	\$52,051.91	433.8	96.2	3444	BB IB
	1800	460	586/7	LAM400-18-586/7	\$58,757.98	444.6	96.2	4127	R
	1800	460	586/7UZ	LAM400-18-586/7UZ	\$58,757.98	444.6	96.2	4127	R
	1200	460	L449T	LAM400-12-L449T	\$52,894.25	461.5	95.8	3999	R
	1200	460	L449T	LAM400-12-L449T-F2	\$52,894.25	461.5	95.8	3999	F2 R
	1200	460	L449T	LAM400-12-L449T-IB	\$58,946.19	461.5	95.8	3999	IB R
1200	460	L449T	LAM400-12-L449T-IB-F2	\$58,946.19	461.5	95.8	3999	IB F2 R	
1200	460	586/7	LAM400-12-586/7	\$61,139.38	445.0	95.8	---	R	
450	3600	460	L449TS	LAM450-36-L449TS	\$52,292.73	473.7	95.8	---	
	3600	460	L449TS	LAM450-36-L449TS-IB	\$58,344.67	473.7	95.8	---	IB
	3600	460	586/7	LAM450-36-586/7	\$58,094.80	479.5	95.8	---	
	1800	460	L449T	LAM450-18-L449T	\$49,730.30	487.9	96.2	---	R
	1800	460	L449T	LAM450-18-L449TBB	\$49,730.30	487.9	96.2	---	BB
	1800	460	L449T	LAM450-18-L449T-IB	\$56,995.17	487.9	96.2	---	IB R
	1800	460	L449T	LAM450-18-L449TBB-IB	\$56,995.17	487.9	96.2	---	BB IB
	1800	460	586/7	LAM450-18-586/7	\$62,384.75	500.0	96.2	---	R
1200	460	586/7	LAM450-12-586/7	\$64,247.01	509.5	95.8	---	R	
500	3600	460	586/7	LAM500-36-586/7	\$69,491.39	541.5	95.8	---	
	1800	460	L449T	LAM500-18-L449T	\$53,001.35	539.4	96.2	---	R
	1800	460	L449T	LAM500-18-L449TBB	\$53,001.35	539.4	96.2	---	BB
	1800	460	L449T	LAM500-18-L449T-IB	\$59,053.29	539.4	96.2	---	IB R
	1800	460	586/7	LAM500-18-586/7	\$65,945.38	536.1	96.2	4647	R
	1800	460	586/7	LAM500-18-586/7BB	\$65,945.38	536.1	96.2	4647	BB
	1200	460	586/7	LAM500-12-586/7	\$67,040.36	564.1	95.8	---	R
1200	460	586/7UZ	LAM500-12-586/7UZ	\$67,040.36	564.1	95.8	---	R	

- BB Ball bearing on drive-end for direct coupled applications
- F2 Factory F2 mount
- IB Insulated opposite drive-end bearing installed
- R Roller bearing on drive-end for belted applications

When using any motor with a variable frequency drive, take precautions to eliminate or reduce shaft currents in order to prolong bearing life.

LOUIS ALLIS
IEEE 45 Marine Duty

Section 8: LAM IEEE 45 Marine-Duty Motors



Louis Allis LAM Series Motors - IEEE 45 Marine-Duty C-Flange Kits ▪ D-Flange Kits ▪ Cast Iron Fan Cover Kits ▪ Drip Cover Kits

LAM Motor C-Flange Kits		
Frame Size	Model Number *	List Price
143T / 145T	LAM140TC	\$62.90
182T / 184T	LAM180TC	\$113.75
213T / 215T	LAM210TC	\$136.27
254T / 256T	LAM250TC	\$282.14
284T / 286T	LAM280TC	\$303.80
324T / 326T	LAM320TC	\$353.65
	LAM320TC-L	\$353.65
364T / 365T	LAM360TC	\$462.50
	LAM360TC-L	\$462.50
404T / 405T	LAM400TC	\$700.55
	LAM400TC-L	\$700.55
444T / 445T	LAM444/5TC	\$865.66
	LAM444/5TC-A	\$865.66
445/7T	LAM445/7TC	\$1,029.43
447T / 449T	LAM447/9TC-L	\$1,029.43
	LAM447/9TC-S	\$1,029.43

LAM Motor D-Flange Kits		
Frame Size	Model Number *	List Price
143T / 145T	LAM140TD	\$110.00
182T / 184T	LAM180TD	\$121.00
213T / 215T	LAM210TD	\$126.00
254T / 256T	LAM250TD	\$273.00
284T / 286T	LAM280TD	\$319.00
324T / 326T	LAM320TD-L	\$409.00
364T / 365T	LAM360TD-L	\$719.00
404T / 405T	LAM400TD	\$728.00
444T / 445T	LAM444/5TD	\$745.00
	LAM444/5TD-A	\$745.00
445/7T	LAM445/7TD	\$894.00
447T / 449T	LAM447/9TD-L	\$894.00
586/7	LAM586/7D	\$2,075.00

LAM Motor Cast Iron Fan Cover Kits		
Frame Size	Model Number *	List Price
143T / 145T	LAMCIFCOVER140T	\$247.00
182T / 184T	LAMCIFCOVER180T	\$278.00
213T / 215T	LAMCIFCOVER210T	\$290.00
254T / 256T	LAMCIFCOVER250T	\$402.00
284T / 286T	LAMCIFCOVER280T	\$522.00
324T / 326T	LAMCIFCOVER320T-L	\$1,256.00
364T / 365T	LAMCIFCOVER360T-L	\$1,449.00
404T / 405T	LAMCIFCOVER400T	\$1,449.00
444T / 445T	LAMCIFCOVER444/5T	\$1,758.00
445/7T	LAMCIFCOVER445/7/9T	\$1,951.00
447T / 449T	LAMCIFCOVER445/7/9T	\$1,951.00
586/7	LAMCIFCOVER586/7	\$2,936.00

LAM Motor Drip Cover Kits		
Frame Size	Model Number *	List Price
143T / 145T	LAMDC140T	\$34.02
182T / 184T	LAMDC180T	\$36.86
213T / 215T	LAMDC210T	\$46.78
254T / 256T	LAMDC250T	\$62.37
284T / 286T	LAMDC280T	\$85.05
324T / 326T	LAMDC320T	\$127.58
364T / 365T	LAMDC360T	\$161.60
	LAMDC360T-L	\$277.83
404T / 405T	LAMDC400T	\$277.83
	LAMDC400T-L	\$351.54
444T / 445T	LAMDC444/5T	\$351.54
445/7T	LAMDC445/7T	\$562.75
447T / 449T	LAMDC447/9T	\$562.75
	LAMDC447/9T-L	\$562.75
586/7	LAMDC586/7	\$485.00

* Please consult WWE for correct Model Number

Louis Allis LAM Series Motors - IEEE 45 Marine-Duty TEFC Enclosure ▪ C-Face with Feet ▪ Three-Phase ▪ 230/460 Volt

Product Specification

- 1-200 HP
- 3600, 1800, 1200 RPM
- 60 Hz, 230/460V
- Totally Enclosed Fan Cooled (TEFC) Enclosure
- IP55 Protection
- 1.25 SF
- Class F insulation
- C-Face with Feet
- NEMA Premium Efficiency
- Inverter Duty, 10:1 CT / 20:1 VT (1.0 SF)
- Class 1 Division 2 Groups A,B,C,D
- Double Vacuum Pressure Impregnation (VPI) Treatment
- Heavy Gauge Rolled Steel Fan Cover
- All Frames Double Punched
- Metal Clad V-Ring on DE, Oil Seal on ODE



HP	RPM	Voltage	Frame	Model Number	List Price	FL Amps (A)	FL Eff. (%)	Approx. Wt. (lbs.)	Notes
1	1800	230/460	143TC	LAM1-18-143TC	\$498.84	1.4	85.5	54	
	1200	230/460	145TC	LAM1-12-145TC	\$738.22	1.7	82.5	57	
	3600	230/460	143TC	LAM1.5-36-143TC	\$629.17	1.9	84.0	51	
1.5	1800	230/460	145TC	LAM1.5-18-145TC	\$615.60	2.1	86.5	55	
	1200	230/460	182TC	LAM1.5-12-182TC	\$843.41	2.4	87.5	89	
2	3600	230/460	145TC	LAM2-36-145TC	\$698.96	2.5	85.5	55	
	1800	230/460	145TC	LAM2-18-145TC	\$652.23	2.7	86.5	58	
	1200	230/460	184TC	LAM2-12-184TC	\$1,079.00	3.4	88.5	100	
3	3600	230/460	145TC	LAM3-36-145TC	\$819.79	3.7	86.5	87	
	3600	230/460	182TC	LAM3-36-182TC	\$819.79	3.8	89.5	95	
	1800	230/460	182TC	LAM3-18-182TC	\$918.33	4.1	89.5	145	
5	1200	230/460	213TC	LAM3-12-213TC	\$1,453.00	4.1	89.5	169	
	3600	230/460	184TC	LAM5-36-184TC	\$1,041.67	5.9	88.5	104	
	1800	230/460	184TC	LAM5-18-184TC	\$1,076.07	6.2	89.5	113	
7.5	1200	230/460	215TC	LAM5-12-215TC	\$1,849.63	6.7	89.5	196	
	3600	230/460	213TC	LAM7.5-36-213TC	\$1,631.25	8.6	89.5	180	
	1800	230/460	213TC	LAM7.5-18-213TC	\$1,422.80	8.9	91.7	147	
10	1200	230/460	254TC	LAM7.5-12-254TC	\$2,430.72	9.7	91.0	273	
	3600	230/460	215TC	LAM10-36-215TC	\$1,728.13	11.6	90.2	192	
	1800	230/460	215TC	LAM10-18-215TC	\$1,723.61	11.6	91.7	198	
15	1200	230/460	256TC	LAM10-12-256TC	\$3,050.47	13.0	91.0	311	
	3600	230/460	254TC	LAM15-36-254TC	\$2,656.25	16.6	91.0	291	
	1800	230/460	254TC	LAM15-18-254TC	\$2,477.22	17.3	92.4	304	
20	1200	230/460	284TC	LAM15-12-284TC	\$3,830.41	18.4	91.7	449	
	3600	230/460	256TC	LAM20-36-256TC	\$2,675.00	22.3	91.0	320	
	1800	230/460	256TC	LAM20-18-256TC	\$2,846.29	23.2	93.0	332	
25	1200	230/460	286TC	LAM20-12-286TC	\$4,777.54	26.3	91.7	486	
	3600	230/460	284TSC	LAM25-36-284TSC	\$3,364.58	28.0	91.7	430	
	1800	230/460	284TC	LAM25-18-284TC	\$3,712.74	29.8	93.6	420	
25	1800	230/460	284TSC	LAM25-18-284TSC	\$3,712.74	29.8	93.6	420	
	1200	230/460	324TC	LAM25-12-324TC	\$5,433.68	30.2	93.0	649	

When using any motor with a variable frequency drive, take precautions to eliminate or reduce shaft currents in order to prolong bearing life.

Section 8: LAM IEEE 45 Marine-Duty Motors



Louis Allis LAM Series Motors - IEEE 45 Marine-Duty (Continued)

TEFC Enclosure ▪ C-Face with Feet ▪ Three-Phase ▪ 230/460 Volt

HP	RPM	Voltage	Frame	Model Number	List Price	FL Amps (A)	FL Eff. (%)	Approx. Wt. (lbs.)	Notes
30	3600	230/460	286TSC	LAM30-36-286TSC	\$3,959.38	33.2	91.7	434	
	1800	230/460	286TC	LAM30-18-286TC	\$4,205.87	35.7	93.6	449	
	1800	230/460	286TSC	LAM30-18-286TSC	\$4,205.87	35.7	93.6	449	
	1200	230/460	326TC	LAM30-12-326TC	\$6,378.63	34.6	93.0	688	
40	3600	230/460	324TSC	LAM40-36-324TSC	\$5,144.79	46.4	92.4	552	
	1800	230/460	324TC	LAM40-18-324TC	\$5,344.98	47.6	94.1	596	
	1800	230/460	324TSC	LAM40-18-324TSC	\$5,344.98	47.6	94.1	596	
	1200	230/460	364TC	LAM40-12-364TC	\$7,927.42	46.2	94.1	825	
50	3600	230/460	326TSC	LAM50-36-326TSC	\$6,578.13	55.3	93.0	572	
	1800	230/460	326TC	LAM50-18-326TC	\$6,074.00	58.2	94.5	633	
	1800	230/460	326TSC	LAM50-18-326TSC	\$6,074.00	58.2	94.5	633	
	1200	230/460	365TC	LAM50-12-365TC	\$10,394.90	58.3	94.1	1038	
60	3600	230/460	364TSC	LAM60-36-364TSC	\$8,697.92	65.7	93.6	790	
	1800	230/460	364TC	LAM60-18-364TC	\$8,023.44	69.4	95.0	824	
	1800	230/460	364TSC	LAM60-18-364TSC	\$8,023.44	69.4	95.0	824	
	1200	230/460	404TC	LAM60-12-404TC	\$11,492.89	70.6	94.5	1126	
75	3600	230/460	365TSC	LAM75-36-365TSC	\$10,862.50	80.8	93.6	949	
	1800	230/460	365TC	LAM75-18-365TC	\$9,664.27	85.8	95.4	946	
	1800	230/460	365TSC	LAM75-18-365TSC	\$9,664.27	85.8	95.4	946	
	1200	230/460	405TC	LAM75-12-405TC	\$12,045.22	83.7	94.5	1212	
100	3600	230/460	405TSC	LAM100-36-405TSC	\$14,409.38	109	94.1	1122	
	1800	230/460	405TC	LAM100-18-405TC	\$11,457.96	114.9	95.4	1151	
	1800	230/460	405TSC	LAM100-18-405TSC	\$11,457.96	114.9	95.4	1151	
	1200	230/460	444TC	LAM100-12-444TC	\$17,048.34	115	95.0	1353	
125	3600	230/460	444TSC	LAM125-36-444TSC	\$18,823.96	129	95.0	1371	
	1800	230/460	444TC	LAM125-18-444TC	\$16,361.17	136.6	95.4	1298	
	1800	230/460	444TSC	LAM125-18-444TSC	\$16,361.17	136.6	95.4	1298	
	1200	230/460	445TC	LAM125-12-445TC	\$20,309.71	141	95.0	1488	
150	3600	230/460	445TSC	LAM150-36-445TSC	\$21,659.38	161	95.0	1455	
	1800	230/460	445TC	LAM150-18-445TC	\$17,966.73	163.7	95.8	1410	
	1800	230/460	445TSC	LAM150-18-445TSC	\$17,966.73	163.7	95.8	1410	
	1200	230/460	447TC	LAM150-12-447TC	\$25,942.54	170	95.8	1975	
200	3600	230/460	447TSC	LAM200-36-447TSC	\$28,396.88	217	95.4	1907	
	1800	230/460	445/7TC	LAM200-18-445/7TC	\$23,878.30	221.1	96.2	2203	
	1800	230/460	445/7TSC	LAM200-18-445/7TSC	\$23,878.30	221.1	96.2	2203	
	1200	460	449TC	LAM200-12-449TC	\$30,695.78	231	95.8	2552	

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LOUIS ALLIS
IEEE 45 Marine Duty

When using any motor with a variable frequency drive, take precautions to eliminate or reduce shaft currents in order to prolong bearing life.

Louis Allis LAM Series Motors - IEEE 45 Marine-Duty TEFC Enclosure ▪ C-Face Round Body ▪ Three-Phase ▪ 230/460 Volt

Product Specifications

- 1-250 HP
- 1800 RPM
- 60 Hz, 230/460V (1-200 HP)
- 60 Hz, 460V (250 HP)
- Totally Enclosed Fan Cooled (TEFC) Enclosure
- IP55 Protection
- 1.25 SF (1-200 HP)
- 1.15 SF (250 HP)
- Class F insulation
- C-Face Round Body
- NEMA Premium Efficiency
- Inverter Duty, 10:1 CT / 20:1 VT (1.0 SF)
- Class 1 Division 2 Groups A,B,C,D
- Double Vacuum Pressure Impregnation (VPI) Treatment
- Heavy Gauge Rolled Steel Fan Cover
- Metal Clad V-Ring on DE, Oil Seal on ODE



HP	RPM	Voltage	Frame	Model Number	List Price	FL Amps (A)	FL Eff. (%)	Approx. Wt. (lbs.)	Notes
1	1800	230/460	143TCRD	LAM1-18-143TCRD	\$551.45	1.4	85.5	54	
1.5	1800	230/460	145TCRD	LAM1.5-18-145TCRD	\$634.33	2.1	86.5	55	
2	1800	230/460	145TCRD	LAM2-18-145TCRD	\$680.68	2.7	86.5	58	
3	1800	230/460	182TCRD	LAM3-18-182TCRD	\$970.79	4.1	89.5	145	
5	1800	230/460	184TCRD	LAM5-18-184TCRD	\$1,132.94	6.2	89.5	113	
7.5	1800	230/460	213TCRD	LAM7.5-18-213TCRD	\$1,513.05	8.9	91.7	147	
10	1800	230/460	215TCRD	LAM10-18-215TCRD	\$1,802.83	11.6	91.7	198	
15	3600	230/460	254TCRD	LAM15-36-254TCRD	\$3,098.00	16.6	91.0	301	
	1800	230/460	254TCRD	LAM15-18-254TCRD	\$2,553.94	17.3	92.4	304	
20	1800	230/460	256TCRD	LAM20-18-256TCRD	\$2,959.29	23.2	93.0	332	
25	1800	230/460	284TCRD	LAM25-18-284TCRD	\$3,883.37	29.8	93.6	420	
30	1800	230/460	286TCRD	LAM30-18-286TCRD	\$4,376.93	35.7	93.6	449	
40	1800	230/460	324TCRD	LAM40-18-324TCRD	\$5,428.33	47.6	94.1	596	
50	1800	230/460	326TCRD	LAM50-18-326TCRD	\$6,291.93	58.2	94.5	633	
60	1800	230/460	364TCRD	LAM60-18-364TCRD	\$8,307.56	67.7	95.0	824	
75	1800	230/460	365TCRD	LAM75-18-365TCRD	\$10,072.95	85.7	95.4	946	
100	1800	230/460	405TCRD	LAM100-18-405TCRD	\$12,022.30	113	95.4	1151	
125	1800	230/460	444TCRD	LAM125-18-444TCRD	\$16,915.82	136	95.4	1298	
150	1800	230/460	445TCRD	LAM150-18-445TCRD	\$18,684.59	164	95.8	1410	
200	1800	230/460	447TCRD	LAM200-18-447TCRD	\$24,653.10	221	96.2	2203	
250	1800	460	449TCRD	LAM250-18-449TCRD	\$33,119.00	270.2	96.2	2530	

When using any motor with a variable frequency drive, take precautions to eliminate or reduce shaft currents in order to prolong bearing life.