

Inverter Duty Motors

Single Phase
ODP Motors

Single Phase
TEFC Motors

Single Phase
C Face Motors

Three Phase
ODP Motors

Three Phase
TEFC Motors

Three Phase
C Face Motors

Inverter Duty
Motors

Severe Duty
Motors

Explosion Proof
Motors



- Ideally suited for IGBT power
- Inverter duty insulation system
- Over temperature protection
- Speedmaster® and CTAC® models – 2000 : 1 speed range
- Provisions for encoder mounting
- Lincoln Vector duty CTAC® models include 1024 ppr encoder
- Drip-proof and totally enclosed models available
- Precision balanced rotor assemblies
- Made in the U.S.A.
- 3-year warranty

Applications:

For use in constant torque (conveyors, machine tools) or variable torque (pumps, fans) variable speed applications within the stated speed range of the motor.



Inverter Duty Motors / Vector Duty Motors - 2000:1 Speed Range With Encoder mounting provisions

Features:

- Class H inverter rated insulation system
- Constant torque operation from 0 to base RPM rating with vector drives
- C Face with rigid base through 100 HP on LEESON models, Lincoln models through 10 HP
- TEBC designs utilize 3-phase blower motors
- Normally enclosed thermostats
- Cast iron, Steel and Aluminum frame construction - see Notes
- Provisions for Encoder feedback devices
- Precision balanced rotors
- UL recognized and CSA certified
- 3-year warranty

Three Phase - Totally Enclosed - Rigid Base & Rigid C Face

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	Max. RPM	Service Factor	"C" Dim. (Inches)	Inverter speed range	♥ Notes
1/3	1800	56C	LM10336	✓	547	SRF4S0.33TC61Q20	26	230/460	1.6	4000	1.0	11.31	10 : 1	S, US, 13
1/2	1800	56C	LM24264	C/A	630	SRF4S0.5TC61Q20	24	230/460	2.4	4000	1.0	11.81	10 : 1	S, US, 13
	1200	56HC	LM10338	✓	748	SRF6S0.5TC61Q20	41	230/460	2.6	4000	1.0	12.32	10 : 1	S, US, 13
3/4	1800	56HC	LM10339	✓	710	SRF4S0.75TC61Q20	25	230/460	3.0	4000	1.0	11.82	10 : 1	S, US, 13
1	1800	56HC	LM10340	✓	1,367	SRF4S1TC61Q20	62	230/460	3.6	4000	1.0	12.32	10 : 1	S, US, 13
	1800	143TC	810548.00	✓	1,445	143THTN8037	61	230/460	3.0	5400	1.0	13.68	2000 : 1	C, US, 12
	1800	145TC	LM26359	✓	1,384	SSN4S1TC61Q10	62	230/460	4.0	5000	1.0	15.39	2000 : 1	S, US, 12
	1200	182TC	LM06103	✓	1,567	AAN6S1TC61Q10	78	230/460	3.6	4800	1.0	12.94	2000 : 1	A, US, 12
	900	184TC	LM06105	C/A	1,955	AAN8S1TC61Q10	100	230/460	5.0	4800	1.2	16.57	2000 : 1	A, US, 12
1 1/2	1800	145TC	810547.00	✓	1,592	145THTN8044	68	230/460	4.6	5400	1.0	14.68	2000 : 1	C, US, 12
	1800	145TC	LM26233	C/A	1,537	SSN4S1.5TC61Q10	65	230/460	4.8	5000	1.0	15.39	2000 : 1	S, US, 12
	1200	184TC	LM06109	C/A	1,690	AAN6S1.5TC61Q10	90	230/460	—	4800	1.0	—	2000 : 1	A, US, 12
	900	213TC	LM06111	C/A	2,731	AN8S1.5TC61Q10	121	230/460	—	4600	1.0	—	2000 : 1	A, US, 12
2	1800	145TC	810546.00	✓	1,663	145THTN8045	70	230/460	6.0	5400	1.0	14.68	2000 : 1	C, US, 12
	1800	182TC	LM06113	✓	1,669	AAN4S2TC61Q10	74	230/460	6.0	4800	1.0	15.57	2000 : 1	A, US, 12
	1200	213TC	LM06115	C/A	2,313	AN6S2TC61Q10	121	230/460	7.6	4600	1.0	—	2000 : 1	A, US, 12
	900	215TC	LM06117	C/A	3,077	AN8S2TC61Q10	121	230/460	7.6	4600	1.0	—	2000 : 1	A, US, 12
3	1800	182TC	811320.00	✓	1,987	182THTS8051	110	230/460	8.0	5400	1.0	16.68	2000 : 1	C, US, 12
	1800	184TC	LM06119	✓	1,941	AAN4S3TC61Q10	94	230/460	8.4	4800	1.0	16.57	2000 : 1	A, US, 12
	1200	215TC	LM06121	C/A	3,096	AN5S3TC61Q10	135	230/460	12.0	4600	1.0	18.56	2000 : 1	A, US, 12
	900	254TC	LM06123	C/A	5,475	AN8S3TC61Q10	186	230/460	—	4400	1.0	—	2000 : 1	A, US, 12
5	1800	184TC	811322.00	✓	2,202	184THTS8058	118	230/460	13.4	5400	1.0	17.69	2000 : 1	C, US, 12
	1800	213TC	LM06125	✓	2,227	AN4S5TC61Q10	115	230/460	15.6	4600	1.0	17.94	2000 : 1	A, US, 12
	1200	254TC	LM06127	C/A	4,966	AN6S5TC61Q10	200	23/460	—	4400	1.0	—	2000 : 1	A, US, 12
	900	256TC	LM06129	C/A	6,400	AN8S5TC61Q10	219	230/460	—	4400	1.0	—	2000 : 1	A, US, 12
7 1/2	1800	213TC	810157.00	✓	2,961	213THTS8070	180	230/460	21.0	4200	1.0	20.56	2000 : 1	C, US, 12
	1800	215TC	LM06131	C/A	2,970	AN4S7.5TC61Q10	115	230/460	21.0	4600	1.2	20.54	2000 : 1	A, US, 12
	1200	256TC	LM06133	C/A	5,698	AN6S7.5TC61Q10	219	230/460	—	4400	1.2	—	2000 : 1	A, US, 12
10	1800	215TC	810140.00	✓	3,499	215THTS8070	290	230/460	26.0	4200	1.0	22.74	2000 : 1	C, US, 12
	1800	256TC	LM06135	✓	3,212	AN4S10TC61Q10	263	230/460	27.0	4400	1.2	24.88	2000 : 1	A, US, 12

▼ LM Numbers are Lincoln Models

♥ Note listing on inside back flap

TC Frame motors have C Face Endshields

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C/A - Check Availability

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Inverter Duty Motors / Vector Duty Motors - 2000:1 Speed Range

With Encoder mounting provisions

Three Phase - Totally Enclosed - Rigid Base & Rigid C Face

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	Max. RPM	Service Factor	"C" Dim. (Inches)	Inverter speed range	♥ Notes
15	1800	254TC	810066.00	✓	4,195	254THTNA8060	320	230/460	39.0	4200	1.0	25.12	2000 : 1	C, US, 12
	1200	284TC	810068.00	✓	8,860	284THTPA7090	440	230/460	40.0	3600	1.0	37.48	2000 : 1	C, US, 11
20	1800	256TC	810007.00	✓	5,716	256THTNA8070	435	230/460	52.0	4200	1.0	27.13	2000 : 1	C, US, 12
	1200	286TC	810001.00	✓	10,615	286THFPA8090	450	230/460	52.4	3600	1.0	37.48	2000 : 1	C, US, 11
25	1800	284TC	810011.00	C/A	7,124	284THFPA8060	438	230/460	65.0	3600	1.0	37.48	2000 : 1	C, US, 11
	1200	324T	LM03204	C/A	11,369	SB6H25T61Q10	490	230/460	—	400	1.0	40.41	2000 : 1	S, US, 11
	1200	324TC	810003.00	✓	12,487	324THFPA8090	620	230/460	67.0	3600	1.0	40.41	2000 : 1	C, US, 11
30	1800	286TC	810015.00	✓	7,845	286THFPA8040	520	230/460	74.0	4200	1.0	38.98	2000 : 1	C, US, 11
	1200	326T	LM03252	C/A	12,636	SB6H30T61Q10	550	230/460	—	400	1.0	—	2000 : 1	S, US, 11
	1200	326TC	810005.00	✓	13,742	326THFPA8090	700	230/460	82.0	3600	1.0	41.91	2000 : 1	C, US, 11
40	1800	324TC	810019.00	✓	9,922	324THFPA8050	620	230/460	100.0	3600	1.0	40.41	2000 : 1	C, US, 11
	1800	324T	LM03284	✓	8,635	SB4H40T61Q10	420	230/460	98.0	4000	1.0	44.91	2000 : 1	S, US, 11
	1200	364T	LM03300	C/A	15,127	SB6H40T61YQ10	670	230/460	—	3800	1.0	—	2000 : 1	S, US, 11
	1200	364T	810096.00	✓	16,572	364THFS18079	975	230/460	104.0	2700	1.0	42.78	2000 : 1	C, US, 11
50	1800	326TC	810023.00	✓	11,704	326THFPA8040	640	230/460	120.0	3600	1.0	41.91	2000 : 1	C, US, 11
	1800	326T	LM03332	C/A	9,697	SB4H50T61Q10	490	230/460	129.0	4000	1.0	44.91	2000 : 1	S, US, 11
	1200	365T	LM03348	C/A	18,496	SB6H50T61YQ10	740	230/460	—	3800	1.0	—	2000 : 1	S, US, 11
	1200	365TC	810097.00	C/A	19,866	365THFS8397	1029	230/460	180.0	2700	1.0	43.78	2000 : 1	C, US, 11
60	1800	364TC	810027.00	✓	15,063	364THFS8059	975	230/460	147.0	2700	1.0	42.78	2000 : 1	C, US, 11
	1800	364T	LM03376	C/A	11,372	SB4H60T61Q10	670	230/460	—	3800	1.0	—	2000 : 1	S, US, 11
	1200	404T	LM03396	C/A	19,417	SB6H60T61Q10	880	230/460	—	3600	1.0	—	2000 : 1	S, US, 11
	1200	404TC	810098.00	✓	22,040	404THFS8378	1322	230/460	142.0	2700	1.0	46.72	2000 : 1	C, US, 11
75	1800	365TC	810031.00	✓	18,063	365THFS8074	1050	230/460	180.0	2700	1.0	43.78	2000 : 1	C, US, 11
	1800	365T	LM03424	C/A	13,402	SB4H75T61YQ10	740	230/460	177.0	3800	1.0	—	2000 : 1	S, US, 11
	1200	405T	LM03444	C/A	24,439	SB6H75T61YQ10	1000	230/460	—	3600	1.0	—	2000 : 1	S, US, 11
	1200	405TC	810099.00	C/A	26,853	405THFS8386	1350	230/460	180.0	2700	1.0	49.28	2000 : 1	C, US, 11
100	1800	405TC	810087.00	C/A	22,006	405THFS8329	1400	230/460	230.0	2700	1.0	49.28	2000 : 1	C, US, 11
	1800	405T	LM03472	C/A	20,265	SB4H100T61YQ10	1000	230/460	—	3600	1.0	—	2000 : 1	S, US, 11
	1200	444T	LM03490	C/A	25,873	SB6H100T64YQ10	1290	230/460	—	3000	1.0	—	2000 : 1	S, US, 11
	1200	444TC	811367.00	C/A	30,531	444THFN8389	2050	230/460	250.0	2700	1.0	52.72	2000 : 1	C, US, 11
125	1800	444T	811369.00	C/A	27,752	444THFN8050	2000	460	138*	2700	1.0	52.72	2000 : 1	C, US, 11
	1800	444T	LM03516	C/A	26,947	SB4H125T64YQ10	1290	460	138*	3000	1.0	52.72	2000 : 1	S, US, 11
	1200	445T	LM03536	C/A	32,979	SB6H125T64YQ10	1780	460	—	3000	1.0	—	2000 : 1	S, US, 11
150	1800	445T	811371.00	C/A	31,487	445THFN8334	2321	460	170*	2700	1.0	54.72	2000 : 1	C, US, 11
	1800	445T	LM03564	C/A	32,117	SB4H150T64YQ10	1480	460	165*	3000	1.0	59.85	2000 : 1	S, US, 11
200	1800	445T	810503.00	C/A	37,271	445THFN8335	2450	460	230*	2700	1.0	54.72	2000 : 1	C, US, 11
	1800	445T	LM03596	C/A	33,961	SB4H200T64YQ10	3000	460	230*	3000	1.0	54.72	2000 : 1	S, US, 11
250	1800	449T	811516.00	C/A	49,380	449THFS8328	3210	460	295*	2700	1.0	63.21	2000 : 1	C, US, 11
300	1800	449T	811529.00	C/A	62,594	449THFS8329	3410	460	330*	2700	1.0	63.21	2000 : 1	C, US, 11
350	1800	449T	811530.00	C/A	76,351	449THFS8330	3520	460	385*	2700	1.0	63.21	2000 : 1	C, US, 11

* Amps at 460 Volt

♥ Note listing on inside back flap

▼ LM Numbers are Lincoln Models

TC Frame motors have C Face Endshields

C/A - Check Availability

Specifications are subject to change without notice



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Encoder Kits For Speedmaster® 81,000 Series 2000:1 Motors

Description	Enclosure	Frame	Brand/Model	PPR	Catalog Number	List Price
Encoders						
Modular Mount, 5-15 VDC, with EPIC connector	TENV	143-256T	Northstar SL56	1024	E175927.00	3206
Shaft Mount, 5-26 VDC, with 10 pin connector	TENV	143-256T	Dynapar HS35	1024	E175928.00	2059
Shaft Mount, 5-26 VDC, with 10 pin connector	TENV	143-256T	BEI HS35	1024	E175929.00	2059
Shaft Mount, 5-26 VDC, with 10 pin connector	TENV	143-256T	Dynapar HS35	2048	E175930.00	2059
Shaft Mount, 5-26 VDC, with 10 pin connector	TENV	143-256T	BEI HS35	2048	E175931.00	2059
Modular Mount, 5-15 VDC (Encoder Conduit Box Required)	TEBC	284-449T	Northstar SL56	1024	E175921.00	3206
Shaft Mount, 5-26 VDC (Encoder Conduit Box Required)	TEBC	284-449T	Dynapar HS35	1024	E175922.00	2059
Shaft Mount, 5-26 VDC (Encoder Conduit Box Required)	TEBC	284-449T	BEI HS35	1024	E175923.00	2059
Shaft Mount, 5-26 VDC (Encoder Conduit Box Required)	TEBC	284-449T	Dynapar HS35	2048	E175924.00	2059
Shaft Mount, 5-26 VDC (Encoder Conduit Box Required)	TEBC	284-449T	BEI HS35	2048	E175925.00	2059
Conduit Box Required for all TEBC Units	--	--	--	--	ECB175926.00	229

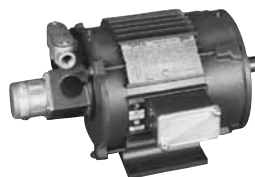
Shipped separately for field installation.

Inverter Duty Motors

Vector Duty Motors - 2000:1 Speed Range With 1024 ppr Encoder

Features:

- Inverter duty insulation system
- Constant HP range at 2x base speed 56 - 256T frames
- Constant HP range at 1.5x base speed 284T - 445T frames
- Includes 1024 ppr encoder with differential line driver
- Normally enclosed thermostats
- Steel and Aluminum frame construction - see Notes
- C Face designs through 10 HP
- Precision balanced rotors



Three Phase - Totally Enclosed - Rigid Base & Rigid C Face

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	Max. RPM	Service Factor	"C" Dim. (Inches)	Inverter speed range	♥ Notes
1/3	1800	56C	LM10346	✓	2,065	SRN4S0.33TC61Q15	43	230/460	1.0	5000	1.0	14.47	2000 : 1	S, US, 12
1/2	1800	56C	LM10347	✓	2,157	SRN4S0.5TC61Q15	43	230/460	1.6	5000	1.0	14.47	2000 : 1	S, US, 12
	1200	56HC	LM10348	C/A	2,265	SRN6S0.5TC61Q15	43	230/460	1.9	5000	1.0	15.47	2000 : 1	S, US, 12
3/4	1800	56HC	LM10349	✓	2,231	SRN4S0.75TC61Q15	54	230/460	2.6	5000	1.0	15.97	2000 : 1	S, US, 12
1	1800	56HC	LM10350	✓	3,042	SRN4S1TC61Q15	54	230/460	3.2	5000	1.0	15.97	2000 : 1	S, US, 12
	1800	145TC	LM26109	C/A	3,042	SSN4S1TC61Q15	82	230/460	3.0	5000	1.0	16.03	2000 : 1	S, US, 12
	1200	182TC	LM03973	C/A	3,725	AAN6S1TC61Q15	98	230/460	3.6	4800	1.0	16.24	2000 : 1	A, US, 12
	900	184TC	LM03975	C/A	3,654	AAN8S1TC61Q15	110	230/460	—	4800	1.0	—	2000 : 1	A, US, 12
1.5	1800	145TC	LM26278	C/A	3,268	SSN4S1.5TC61Q15	85	230/460	4.8	5000	1.0	17.03	2000 : 1	S, US, 12
	1200	184TC	LM03981	C/A	3,393	AAN6S1.5TC61Q15	110	230/460	—	4800	1.0	—	2000 : 1	A, US, 12
	900	213TC	LM03983	C/A	4,431	AN8S1.5TC61Q15	141	230/460	—	4600	1.0	—	2000 : 1	A, US, 12
2	1800	182TC	LM03987	✓	3,367	AAN4S2TC61Q15	98	230/460	6.0	4800	1.0	18.34	2000 : 1	A, US, 12
	1200	213TC	LM03989	C/A	4,017	AN6S2TC61Q15	141	230/460	—	4600	1.0	—	2000 : 1	A, US, 12
	900	215TC	LM03991	C/A	4,777	AAN8S2TC61Q15	141	230/460	7.6	4600	1.0	23.03	2000 : 1	A, US, 12
3	1800	184TC	LM03995	✓	3,643	AAN4S3TC61Q15	110	230/460	8.4	4800	1.0	19.34	2000 : 1	A, US, 12
	1200	215TC	LM03997	C/A	4,796	AN6S3TC61Q15	155	230/460	—	4600	1.0	—	2000 : 1	A, US, 12
	900	254TC	LM03999	C/A	7,175	AN8S3TC61Q15	206	230/460	—	4400	1.0	—	2000 : 1	A, US, 12
5	1800	213TC	LM04003	C/A	3,929	AAN4S5TC61Q15	115	230/460	15.6	4600	1.0	21.14	2000 : 1	A, US, 12
	1200	254TC	LM04005	C/A	6,666	AN6S5TC61Q15	220	230/460	—	4400	1.0	—	2000 : 1	A, US, 12
	900	256TC	LM04007	C/A	8,104	AN8S5TC61Q15	239	230/460	—	4400	1.0	—	2000 : 1	A, US, 12
7.5	1800	215TC	LM31463	C/A	4,670	AN4S7.5TC61Q15	155	230/460	21.0	4600	1.0	23.48	2000 : 1	A, US, 12
	1200	256TC	LM04013	C/A	7,401	AN6S7.5TC61Q15	239	230/460	22.0	4400	1.0	24.99	2000 : 1	A, US, 12
10	1800	256TC	LM30572	C/A	4,914	AN4S10TC61Q15	235	230/460	27.0	4400	1.0	—	2000 : 1	A, US, 12

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With 1024 ppr Encoder

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25	1200	324T	LM03205	C/A	13,043	SB6H25T61Q15	490	230/460	—	4000	1.0	—	2000 : 1	S, US, 11
30	1200	326T	LM03253	C/A	14,309	SB6H30T61Q15	550	230/460	—	4000	1.0	—	2000 : 1	S, US, 11
40	1800	324T	LM03285	C/A	10,308	SB4H40T61Q15	550	230/460	98.0	4000	1.0	43.41	2000 : 1	S, US, 11
	1200	364T	LM03301	C/A	16,798	SB6H40T61Q15	670	230/460	—	3800	1.0	—	2000 : 1	S, US, 11
50	1800	326T	LM03333	C/A	11,371	SB4H50T61Q15	550	230/460	—	4000	1.0	—	2000 : 1	S, US, 11
	1200	365T	LM03349	C/A	20,167	SB6H50T61YQ15	740	230/460	—	3800	1.0	—	2000 : 1	S, US, 11
60	1800	364T	LM03377	C/A	13,046	SB4H60T61YQ15	690	230/460	—	3800	1.0	—	2000 : 1	S, US, 11
	1200	404T	LM03397	C/A	21,092	SB6H60T61YQ15	1000	230/460	169.0	3600	1.0	51.73	2000 : 1	S, US, 11
75	1800	365T	LM03425	C/A	15,077	SB4P75T61YQ15	740	230/460	180.0	3800	1.0	49.29	2000 : 1	S, US, 11
	1200	405T	LM03445	C/A	26,114	SB6H75T61YQ15	1000	230/460	—	3600	1.0	—	2000 : 1	S, US, 11
100	1800	405T	LM03473	C/A	21,937	SB4H100T61YQ15	1000	230/460	240.0	3600	1.0	53.23	2000 : 1	S, US, 11
	1200	444T	LM03491	C/A	27,548	SB6H100T64YQ15	1290	460	—	3000	1.0	—	2000 : 1	S, US, 11
125	1800	444T	LM03517	C/A	28,618	SB4H125T64YQ15	1290	460	—	3000	1.0	—	2000 : 1	S, US, 11
	1200	445T	LM03537	C/A	34,654	SB6H125T64YQ15	1480	460	—	3000	1.0	—	2000 : 1	S, US, 11
150	1800	445T	LM03565	C/A	33,792	SB4H150T64YQ15	1490	460	165*	3000	1.0	59.85	2000 : 1	S, US, 11
200	1800	445T	LM03597	C/A	35,631	SB4H200T64YQ15	1500	460	—	3000	1.0	—	2000 : 1	S, US, 11

* Amps at 460 Volt

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View On-line Technical Information



Single Phase
ODP Motors

Single Phase
TEFC Motors

Single Phase
C Face Motors

Three Phase
ODP Motors

Three Phase
TEFC Motors

Three Phase
C Face Motors

Inverter Duty
Motors

Severe Duty
Motors

Explosion Proof
Motors

Inverter Duty Motors

Inverter Duty Motors - 4 :1 Speed Range - Totally Enclosed

Features:

- Inverter duty insulation system
- Constant HP range at 2x base speed 56 - 256T frames
- Constant HP range at 1.5x base speed 284T - 445T frames
- No mounting available for encoder devices
- Normally enclosed thermostats
- Steel and Aluminum frame construction - see Notes
- Precision balanced rotors



Three Phase - Totally Enclosed - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	Max. RPM	Service Factor	% F.L. Eff.	"C" Dim. (Inches)	Inverter speed range	♥ Notes
1/3	1800	56	LM22644	C/A	563	SRF4S0.33T61Q40	28	230/460	—	4000	1.0	72.0	—	4 : 1	S, US
1/2	3600	56	LM22646	C/A	543	SRF2S0.5T61Q40	28	230/460	—	4000	1.0	70.0	—	4 : 1	S, US
	1800	56	LM22648	C/A	647	SRF4S0.5T61Q40	28	230/460	2.4	4000	1.0	74.0	11.82	4 : 1	S, US
	1200	56	LM22650	C/A	772	SRF6S0.5T61Q40	28	230/460	2.6	4000	1.0	70.0	12.32	4 : 1	S, US
3/4	3600	56	LM22652	C/A	577	SRF2S0.75T61Q40	28	230/460	—	4000	1.0	74.0	—	4 : 1	S, US
	1800	56	LM22654	C/A	659	SRF4S0.75T61Q40	28	230/460	3.0	4000	1.0	77.0	11.82	4 : 1	S, US
	1200	56	LM22656	C/A	783	SRF6S0.75T61Q40	36	230/460	—	4000	1.0	72.0	—	4 : 1	S, US
1	3600	56	LM22658	C/A	659	SRF2S1T61Q40	28	230/460	—	4000	1.0	75.5	—	4 : 1	S, US
	1800	56	LM22660	✓	679	SRF4S1T61Q40	28	230/460	3.6	4000	1.0	78.5	12.32	4 : 1	S, US
	1800	143T	LM26097	C/A	763	SSF4P1T61Q40	46	230/460	3.0	4000	1.0	82.5	12.87	4 : 1	S, US
	1200	145T	LM26383	C/A	918	SSF6P1T61Q40	51	230/460	3.8	4000	1.0	80.0	14.87	4 : 1	S, US
1 1/2	3600	56	LM22662	C/A	706	SRF2S1.5T61Q40	28	230/460	—	4000	1.0	78.5	—	4 : 1	S, US
	1800	56H	LM22664	C/A	749	SRF4S1.5T61Q40	28	230/460	5.0	4000	1.0	80.0	13.52	4 : 1	S, US
	1800	145T	LM26098	C/A	771	SSF4P1.5T61Q40	51	230/460	5.0	4000	1.0	84.0	13.87	4 : 1	S, US
	1200	182T	LM21188	C/A	1,033	AAF6P1.5T61Q40	83	230/460	—	4000	1.0	85.5	—	4 : 1	A, US
2	3600	56H	LM22666	C/A	759	SRF2S2T61Q40	36	230/460	—	4000	1.0	78.5	—	4 : 1	S, US
	1800	145T	LM25991	C/A	803	SSF4P2T61Q40	51	230/460	6.0	4000	1.0	84.0	14.37	4 : 1	S, US
	1200	184T	LM21191	✓	1,107	AAF6P2T61Q40	92	230/460	6.0	4000	1.0	86.5	15.19	4 : 1	A, US
3	3600	182T	LM21189	C/A	1,057	AAF2P3T61Q40	83	230/460	7.4	4000	1.0	85.5	14.19	4 : 1	A, US
	1800	182T	LM21190	✓	975	AAF4P3T61Q40	83	230/460	8.4	4000	1.0	87.5	14.19	4 : 1	A, US
	1200	213T	LM21194	C/A	1,269	AF6P3T61Q40	127	230/460	9.8	4000	1.0	87.5	16.80	4 : 1	A, US
5	3600	184T	LM21192	C/A	1,229	AAF2P5T61Q40	92	230/460	12.4	4000	1.0	87.5	15.19	4 : 1	A, US
	1800	184T	LM21193	✓	1,086	AAF4P5T61Q40	92	230/460	13.4	4000	1.0	87.5	16.19	4 : 1	A, US
	1200	215T	LM21197	C/A	1,870	AAF6P5T61Q40	138	230/460	15.0	4000	1.0	87.5	18.70	4 : 1	A, US
7 1/2	3600	213T	LM21195	C/A	1,662	AF2P7.5T61Q40	127	230/460	18.0	4600	1.0	88.5	18.30	4 : 1	A, US
	1800	213T	LM21196	✓	1,431	AF4P7.5T61Q40	127	230/460	20.0	4600	1.0	89.5	17.20	4 : 1	A, US
	1200	254T	LM21200	✓	2,380	AAF6P7.5T61Q40	209	230/460	22.0	4400	1.0	89.5	24.74	4 : 1	A, US
10	3600	215T	LM21198	C/A	1,724	AF2P10T61Q40	138	230/460	24.0	4600	1.0	89.5	18.25	4 : 1	A, US
	1800	215T	LM21199	✓	1,600	AF4P10T61Q40	138	230/460	25.4	4600	1.0	89.5	18.70	4 : 1	A, US
	1200	256T	LM21203	C/A	3,050	AAF6P10T61Q40	236	230/460	26.4	4400	1.0	89.5	25.15	4 : 1	A, US

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♥ Note listing on inside back flap

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View On-line Technical Information

Inverter Duty Motors

Inverter Duty Motors - 4 :1 Speed Range - Totally Enclosed

Three Phase - Totally Enclosed - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	Max. RPM	Service Factor	% F.L. Eff.	"C" Dim. (Inches)	Inverter speed range	♥ Notes
15	3600	254T	LM21201	✓	2,427	AAF2P15T61Q40	209	230/460	35.0	4400	1.0	90.2	23.40	4 : 1	A, US
	1800	254T	LM21202	✓	2,300	AF4P15T61Q40	209	230/460	39.0	4400	1.0	91.0	23.40	4 : 1	A, US
	1200	284T	LM21206	C/A	3,862	AF6P15T61YQ40	363	230/460	48.0	4200	1.0	90.2	26.20	4 : 1	A, US
20	3600	256T	LM21204	C/A	2,785	AF2P20T61Q40	236	230/460	47.0	4400	1.0	90.2	26.10	4 : 1	A, US
	1800	256T	LM21205	✓	2,665	AF4P20T61Q40	236	230/460	50.0	4400	1.0	91.0	25.15	4 : 1	A, US
	1200	286T	LM21209	C/A	4,274	AF6P20T61YQ40	408	230/460	—	4200	1.0	90.2	—	4 : 1	A, US
25	3600	284TS	LM21207	C/A	3,612	AF2P25TS61YQ40	363	230/460	—	4200	1.0	91.0	—	4 : 1	A, US
	1800	284T	LM21208	C/A	3,500	AF4P25T61YQ40	363	230/460	66.0	4200	1.0	92.4	26.62	4 : 1	A, US
	1200	324T	LM21212	C/A	5,107	SF6P25T61YQ40	504	230/460	63.0	4000	1.0	91.7	28.50	4 : 1	S, US
30	3600	286TS	LM21210	C/A	4,115	AF2P30TS61YQ40	408	230/460	—	4200	1.0	91.0	—	4 : 1	A, US
	1800	286T	LM21211	✓	4,094	AF4P30T61YQ40	408	230/460	76.0	4200	1.0	92.4	28.12	4 : 1	A, US
	1200	326T	LM21215	✓	7,138	SF6P30T61YQ40	570	230/460	75.0	4000	1.0	91.7	30.00	4 : 1	S, US
40	3600	324TS	LM21213	C/A	5,374	SF2P40TS61YQ40	504	230/460	—	4000	1.0	91.7	—	4 : 1	S, US
	1800	324T	LM21214	✓	5,308	SF4P40T61YQ40	504	230/460	106.0	4000	1.0	93.0	28.50	4 : 1	S, US
	1200	364T	LM21218	C/A	7,483	SF6P40T61YQ40	765	230/460	116.0	3800	1.0	93.0	31.90	4 : 1	S, US
50	3600	326TS	LM21216	C/A	6,848	SF2P50TS61YQ40	558	230/460	112.0	4000	1.0	92.4	28.50	4 : 1	S, US
	1800	326T	LM21217	✓	5,696	SF4P50T61YQ40	558	230/460	129.0	4000	1.0	93.0	30.00	4 : 1	S, US
	1200	365T	LM21221	C/A	9,282	SF6P50T61YQ40	822	230/460	138.0	3800	1.0	93.0	32.90	4 : 1	S, US
60	3600	364TS	LM21219	C/A	10,207	SF2P60TS61YQ40	765	230/460	132.0	3800	1.0	93.0	29.77	4 : 1	S, US
	1800	364T	LM21220	✓	8,254	SF4P60T61YQ40	765	230/460	145.0	3800	1.0	93.6	31.90	4 : 1	S, US
	1200	404T	LM21224	C/A	10,845	SF6P60T61YQ40	918	230/460	—	3600	1.0	93.6	—	4 : 1	S, US
75	3600	365TS	LM21222	✓	10,669	SF2P75TS61YQ40	822	230/460	166.0	3800	1.0	93.0	30.77	4 : 1	S, US
	1800	365T	LM21223	C/A	10,485	SF4P75T61YQ40	822	230/460	187.0	3800	1.0	94.1	32.90	4 : 1	S, US
	1200	405T	LM21225	C/A	13,227	SF6P75T61YQ40	1002	230/460	—	3600	1.0	93.6	—	4 : 1	S, US
100	3600	405TS	LM21226	C/A	14,527	SF2P100TS61YQ40	1002	230/460	214.0	3600	1.0	93.6	35.40	4 : 1	S, US
	1800	405T	LM21227	C/A	13,582	SF4P100T61YQ40	1002	230/460	244.0	3600	1.0	94.5	38.40	4 : 1	S, US
	1200	444T	LM21228	C/A	17,227	SF6P100T64YQ40	1351	460	146*	3000	1.0	94.1	41.58	4 : 1	S, US
125	3600	444TS	LM21229	C/A	17,878	SF2P125TS64YQ40	1351	460	—	3600	1.0	94.5	—	4 : 1	S, US
	1800	444T	LM21230	C/A	16,873	SF4P125T64YQ40	1351	460	146*	3000	1.0	94.5	41.58	4 : 1	S, US
	1200	445T	LM21231	C/A	19,885	SF6P125T64YQ40	1504	460	—	3000	1.0	94.1	—	4 : 1	S, US
150	3600	445TS	LM21232	C/A	21,107	SF2P150TS64YQ40	1504	460	—	3600	1.0	94.5	—	4 : 1	S, US
	1800	445T	LM21233	C/A	19,519	SF4P150T64YQ40	1504	460	168*	3000	1.0	95.0	43.58	4 : 1	S, US
	1200	445T	LM21234	C/A	22,830	SF6P150T64YQ40	1504	460	—	3000	1.0	95.0	—	4 : 1	S, US
200	3600	445TS	LM21235	C/A	24,700	SF2P200TS64YQ40	1504	460	—	3600	1.0	95.0	—	4 : 1	S, US
	1800	445T	LM21236	C/A	23,220	SF4P200T64YQ40	1504	460	228*	3000	1.0	95.0	43.58	4 : 1	S, US
	1200	447T	LM21237	C/A	24,806	SF6P200T64YQ40	1812	460	—	3000	1.0	95.0	—	4 : 1	S, US
250	3600	449TS	LM21240	C/A	29,031	SF2P250TS64YQ40	2185	460	—	3600	1.0	95.4	—	4 : 1	S, US
	1800	447T	LM21238	C/A	27,943	SF4P250T64YQ40	1812	460	283*	2800	1.0	95.0	47.08	4 : 1	S, US
300	3600	449TS	LM21242	C/A	27,943	SF2P300TS64YQ40	—	460	—	3600	1.0	95.4	—	4 : 1	S, US
	1800	449T	LM21239	C/A	30,243	SF4P300T64YQ40	2315	460	349*	2800	1.0	95.4	52.08	4 : 1	S, US
350	3600	449TS	LM21243	✓	56,666	SF2B350TS64YQ40	—	460	—	3600	1.0	95.8	—	4 : 1	S, US
	1800	449T	LM21244	C/A	29,860	SF4P350T64YQ40	2185	460	395*	2800	1.0	95.4	52.08	4 : 1	S, US

* Amps at 460 Volt

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Inverter Duty
Motors

Severe Duty
Motors

Explosion Proof
Motors

Inverter Duty Motors

Inverter Duty Motors - 4 :1 Speed Range - Totally Enclosed

Three Phase - Totally Enclosed - Rigid C Face

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	Max. RPM	Service Factor	% F.L. Eff.	"C" Dim. (Inches)	Inverter speed range	♥Notes
1/3	1800	56C	LM22645	✓	613	SRF4S0.33TC61Q40	33	230/460	1.6	4000	1.0	72.0	11.31	4 : 1	S, US
1/2	3600	56C	LM22647	C/A	594	SRF2S0.5TC61Q40	33	230/460	2.2	4000	1.0	70.0	11.81	4 : 1	S, US
	1800	56C	LM22649	✓	699	SRF4S0.5TC61Q40	33	230/460	2.4	4000	1.0	74.0	11.81	4 : 1	S, US
	1200	56C	LM22651	C/A	823	SRF6S0.5TC61Q40	33	230/460	2.6	4000	1.0	70.0	12.31	4 : 1	S, US
3/4	3600	56C	LM22653	C/A	628	SRF2S0.75TC61Q40	33	230/460	3.4	4000	1.0	74.0	11.81	4 : 1	S, US
	1800	56C	LM22655	✓	709	SRF4S0.75TC61Q40	33	230/460	3.0	4000	1.0	77.0	11.81	4 : 1	S, US
	1200	56C	LM22657	C/A	833	SRF6S0.75TC61Q40	28	230/460	3.4	4000	1.0	72.0	12.81	4 : 1	S, US
1	3600	56C	LM22659	C/A	709	SRF2S1TC61Q40	33	230/460	3.7	4000	1.0	75.5	11.81	4 : 1	S, US
	1800	56C	LM22661	✓	729	SRF4S1TC61Q40	28	230/460	3.0	4000	1.0	78.5	11.81	4 : 1	S, US
	1800	143TC	LM26081	C/A	815	SSF4P1TC61Q40	52	230/460	3.0	4000	1.0	82.5	12.87	4 : 1	S, US
	1200	145TC	LM26323	C/A	972	SSF6P1TC61Q40	57	230/460	3.8	4000	1.0	80.0	14.87	4 : 1	S, US
1 1/2	3600	56C	LM22663	C/A	755	SRF2S1.5TC61Q40	28	230/460	4.4	4000	1.0	78.5	11.81	4 : 1	S, US
	1800	56HC	LM22665	C/A	799	SRF4S1.5TC61Q40	36	230/460	5.0	4000	1.0	80.0	13.32	4 : 1	S, US
	1800	145TC	LM26008	C/A	821	SSF4P1.5TC61Q40	57	230/460	4.8	4000	1.0	84.0	13.87	4 : 1	S, US
	1200	182TC	LM22822	C/A	1,110	AAF6P1.5TC61Q40	95	230/460	5.0	4000	1.0	85.5	15.83	4 : 1	A, US
2	3600	56HC	LM22667	C/A	812	SRF2S2TC61Q40	36	230/460	6.0	4000	1.0	78.5	12.32	4 : 1	S, US
	1800	145TC	LM25962	✓	874	SSF4P2TC61Q40	57	230/460	6.0	4000	1.0	84.0	14.37	4 : 1	S, US
	1200	184TC	LM22825	C/A	1,184	AAF6P2TC61Q40	104	230/460	6.0	4000	1.0	86.5	15.83	4 : 1	A, US
3	3600	182TC	LM22826	C/A	1,135	AAF2P3TC61Q40	95	230/460	7.4	4000	1.0	85.5	14.83	4 : 1	A, US
	1800	182TC	LM22827	✓	1,054	AAF4P3TC61Q40	95	230/460	8.4	4000	1.0	87.5	14.83	4 : 1	A, US
	1200	213TC	LM22828	C/A	1,357	AF6P3TC61Q40	138	230/460	9.8	4600	1.0	87.5	17.66	4 : 1	A, US
5	3600	184TC	LM22829	C/A	1,300	AAF2P5TC61Q40	104	230/460	—	4000	1.0	87.5	—	4 : 1	A, US
	1800	184TC	LM22830	✓	1,167	AAF4P5TC61Q40	104	230/460	13.4	4000	1.0	87.5	16.83	4 : 1	A, US
	1200	215TC	LM31434	C/A	1,958	AF6P5TC61Q40	149	230/460	15.0	4600	1.0	87.5	19.45	4 : 1	A, US
7 1/2	3600	213TC	LM22832	C/A	1,498	AF2P7.5TC61Q40	138	230/460	—	4600	1.0	88.5	—	4 : 1	A, US
	1800	213TC	LM22833	C/A	1,460	AAF4P7.5TC61Q40	138	230/460	20.0	4600	1.0	89.5	17.95	4 : 1	A, US
	1200	254TC	LM22834	C/A	2,606	AF6P7.5TC61Q40	221	230/460	20.0	4400	1.0	89.5	23.40	4 : 1	A, US
10	3600	215TC	LM22835	C/A	1,877	AF2P10TC61Q40	149	230/460	—	4600	1.0	89.5	—	4 : 1	A, US
	1800	215TC	LM22836	C/A	1,692	AF4P10TC61Q40	149	230/460	25.4	4600	1.0	89.5	19.45	4 : 1	A, US
	1200	256TC	LM22837	C/A	2,985	AF6P10TC61Q40	248	230/460	—	4400	1.0	89.5	—	4 : 1	A, US
15	3600	254TC	LM22838	C/A	2,185	AF2P15TC61Q40	221	230/460	35.0	4400	1.0	90.2	23.4	4 : 1	A, US
	1800	254TC	LM22839	✓	2,420	AF4P15TC61Q40	221	230/460	39.0	4400	1.0	91.0	23.4	4 : 1	A, US
20	3600	256TC	LM22840	C/A	3,629	AF2P20TC61Q40	248	230/460	—	4400	1.0	90.2	—	4 : 1	A, US
	1800	256TC	LM22841	✓	2,786	AF4P20TC61Q40	248	230/460	50.0	4400	1.0	91.0	25.15	4 : 1	A, US

▼ LM Numbers are Lincoln Models

♥ Note listing on inside back flap

C/A - Check Availability

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Features:

- Variable torque speed range with open loop drive of 0-60 Hz
- Constant horsepower speed range of 2x base speed
- Ultimate Spike Defense™ Insulation System
- 1.00 service factor on PWM waveform,
- 1.15 service factor or better on sine-wave power.
- Precision dynamic balanced rotor assembly
- Thermal overload protection (Class F thermostats)

Three Phase - Drip-Proof - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	Max. RPM	Service Factor	% F.L. Eff.	"C" Dim. (Inches)	Inverter speed range	♥ Notes
1	1800	143T	LM21148	C/A	702	SSD4P1T61Q40	55	230/460	3.1	5000	1.0	82.5	12.49	10 : 1	S, US
1 1/2	1800	145T	LM21151	C/A	733	SSD4P1.5T61Q40	68	230/460	4.4	5000	1.0	84.0	12.49	10 : 1	S, US
2	1800	145T	LM21153	✓	773	SSD4P2T61Q40	68	230/460	5.8	5000	1.0	84.0	12.49	10 : 1	S, US
3	1800	182T	LM21157	C/A	877	SSD4P3T61Q40	82	230/460	8.6	4800	1.0	86.5	13.72	10 : 1	S, US
5	1800	184T	LM21159	✓	1,121	SSD4P5T61Q40	71	230/460	13.2	4800	1.0	87.5	13.19	10 : 1	S, US
7 1/2	1800	213T	LM21162	C/A	1,287	SSD4P7.5T61Q40	141	230/460	19.4	4600	1.0	88.5	17.29	10 : 1	S, US
10	1800	215T	LM21165	✓	1,513	SSD4P10T61Q40	168	230/460	25.0	4600	1.0	89.5	17.29	10 : 1	S, US
	1200	256T	LM21170	C/A	2,318	SSD6P10T61Q40	255	230/460	28.0	4400	1.0	90.2	22.32	10 : 1	S, US
15	1800	254T	LM21168	✓	2,160	SSD4P15T61Q40	245	230/460	41.0	4400	1.0	91.0	22.32	10 : 1	S, US
20	1800	256T	LM21171	✓	2,390	SSD4P20T61Q40	255	230/460	52.0	4400	1.0	91.0	22.32	10 : 1	S, US
25	1800	284T	LM29579	✓	3,140	CCD4P25T61YQ40	350	230/460	61.0	4000	1.0	91.7	23.49	10 : 1	C, US
30	1800	286T	LM29936	✓	3,573	CCD4P30T61YQ40	400	230/460	72.0	4000	1.0	92.4	24.99	10 : 1	C, US
40	1800	324T	LM21180	✓	4,538	SD4P40T61YQ40	469	230/460	106.0	4000	1.0	93.0	25.82	10 : 1	S, US
50	1800	326T	LM21118	C/A	5,067	SD4P50T61YQ40	522	230/460	130.0	4000	1.0	93.0	27.32	10 : 1	S, US
60	1800	364T	LM21121	C/A	5,196	SD4P60T61YQ40	595	230/460	145.0	3600	1.0	94.0	28.40	10 : 1	S, US
75	1800	365T	LM21124	C/A	6,634	SD4P75T61YQ40	763	230/460	176.0	3800	1.0	94.1	32.90	10 : 1	S, US
100	1800	404T	LM21127	✓	8,494	SD4P100T61YQ40	882	230/460	244.0	3600	1.0	94.1	31.81	10 : 1	S, US
125	1800	405T	LM30727	✓	9,704	SD4P125T61YQ40	958	230/460	304.0	3600	1.0	94.5	0.00	10 : 1	S, US

▼ LM Numbers are Lincoln Models

♥ Note listing on inside back flap

C/A - Check Availability

Specifications are subject to change without notice

View On-line Technical Information



Single Phase
ODP Motors

Single Phase
TEFC Motors

Single Phase
C Face Motors

Three Phase
ODP Motors

Three Phase
TEFC Motors

Three Phase
C Face Motors

Inverter Duty
Motors

Severe Duty
Motors

Explosion Proof
Motors

Inverter Duty Motors

SUB-FHP MOTORS - Inverter Rated - Three Phase

Features:

- Designed with the exclusive Inverter Rated Insulation System (IRIS)
- Provides superior protection against voltage spikes induced by variable frequency drives
- Double shielded motor ball bearings
- Needle bearings in the parallel shaft gearboxes
- Steel conduit box provided as standard
- Finished in high gloss hardened black enamel paint

Application Notes:

- Designed with high temperature insulation (Class F) to prevent overheating when operated with a PWM inverter down to a 10:1 speed range from the printed motor's speed range

Three Phase - Totally Enclosed - Rigid Base

HP	SYN RPM 60 Hz	Frame	Catalog Number	Stock	List Price	Model Number	Voltage	F. L. Amps @ 230 V	♥Notes
1/15	1725	38	M1140171.00	✓	340	CM38T17NK1	230	0.4	S, US, 12
1/6	1725	38	M1140173.00	C/A	367	CM38T17NK2	230	0.72	S, US, 12
1/4	1725	38	M1140172.00	✓	394	CM38T17FK3	230	1.1	S, US, 13

C/A - Check Availability

♥ Note listing on inside back flap

Specifications are subject to change without notice

38 Frame NEMA C-Face With Base Dimensions

Catalog Number	AG	P	U	AH	BB	AJ	TAP	R	AK	BB	D	BA	E	F	H
M1140171.00	5.14	3.85	0.5	1.63	1	3.75	1/3/16	4.3	3	0.13	3	2.5	2.125	1.375	11/32 Slot
M1140173.00	6.14	3.85	0.5	1.63	1	3.75	1/3/16	4.3	3	0.13	3	2.5	2.125	1.375	11/32 Slot
M1140172.00	7.56	4.43	0.5	1.63	1	3.75	1/3/16	4.3	3	0.13	3	2.5	2.125	1.375	11/32 Slot

Specifications are subject to change without notice

AC 38 48C

Both motors only and gearmotors will have inverter rated printed on the nameplate.
UL and CSA recognition for both motors only and gearmotors.

ALL DIMENSIONS IN INCHES

