

NEMA D FLANGE KITS STEEL AND CAST IRON FRAME MOTORS

Includes parts to convert a rigid base mounted motor to NEMA D face with base.

Shaded frame indicates cast iron motor kits for 150 and 170 series motors.

NOTE: The D Flange Kits can *only* be used on rigid base motors. They will not fit NEMA C face motors.



Frame	Enclosure	D Flange Kit Catalog Number	App. Wgt. (lbs.)
143T-145T	Enclosed	163115.60	6
182T-184T*	Open / Enclosed	175694.00 ^Δ	12
182T-184T	Open	175101.00 [◆]	13
182T-184T	Enclosed	175658.60 [◆]	12
213T-215T	Open	175114.60	14
	Enclosed	175115.60 [◆]	14
254T-256T	Open	175116.60	25
	Enclosed	175192.00	25
284T-286T	Open	175118.60	42
	Enclosed	175119.60	
324T-326T	Open	175120.60 [◆]	57
	Enclosed	175121.60	57
364T-365T	Open	175955.60	72
	Enclosed	175657.60	72
404T-405T	Open	175956.60	90
	Enclosed	175957.60	90
444T-445T	Open	175607.60	106
	Enclosed	175608.60 [◇]	106

*Rolled steel frame only.

NEMA D FLANGE KIT WATTSAYER[®] MOTORS

Only the frame sizes listed below require a different D Flange kit for the WATTSAYER[®] motors from the Kits listed above.

Frame	Enclosure	D Flange Kit Catalog Number	App. Wgt. (lbs.)
182T-184T	Enclosed	175843.60* ^①	14
182T-184T	Enclosed	175396.60 ^②	14
213T-215T	Enclosed	175959.60	14
324T-326T	Open	175455.60	57
364T-365T	Open	175602.60 ^③	72
	Enclosed	175604.60 ^③	72

*Locked bearing

RODENT SCREEN KITS

Frame	Enclosure	Catalog Number	App. Wgt. (lbs.)
182T-184T*	Open	175872.00	1
213T-215T*	Open	175871.00	1
254T-256T	Open	175873.60	2
284T-286T	Open	175874.60	3
324T	Open	175894.60	5
326T	Open	175875.60	4

*Rolled steel frame only.

^Δ Use this kit for 182-4T and S213T motors with catalog numbers 131454 and higher, or with a G prefix.

Both open and enclosed motors in this series use the same kits as ventilation is in the frame of the motor.

* For use with 213T-215T 3450 RPM motors only.

[◆] For use with motors having "K" or "P" suffix on date code.

[▼] For use with motors having catalog numbers 15XXXX, G15XXXX, or 17XXXX.

[◆] Not for use with WATTSAYER[®] motors.

^① For use with motors having date codes earlier than May 2003.

^② For use with motors having date codes May 2003 and later.

[◇] For use with 1140 and 1750 RPM motors only.

^③ WATTSAYER[®] II design, having oversized frame body.

[◆] For motors having Face mounted fan guards.

CHEMICAL SERVICE/ SEVERE DUTY CONVERSION KITS

Cast iron fan covers for cast iron motors. Designed to easily convert TEFC motors to all cast iron construction. All these motors have inert, corrosion resistant fiber filled thermoplastic fan as standard. Kit includes one cast iron fan cover.



NEMA Frame	IEC Frame	Catalog Number	App. Wt. (lbs.)
182T-184T	---	175663.60	10
213T-215T	---	175050.60	12
254T-256T	160	175051.60	18
284T-286T	180	175052.60	22
324T-326T	200	175053.60	29
364T-365T	225	175054.60	39
404T-405T	250	175055.60	49
444T-445T	280	175056.60	59
447T-449T	---	175891.60	112

DRIP-COVER KITS FOR DRIP-PROOF MOTORS

Each kit includes one drip-cover. Designed to protect drip-proof motors from rain, snow and ice when mounted outdoors in a vertical position.



Frame	Catalog Number	App. Wgt. (lbs.)
48-S56	175003.00	2
48-S56	175298.00 [◆]	2
56	175004.00	2
143T-145T	175792.00 [◆]	2
182T-184T*	175614.00	3
182T-184T	175961.00 [▼]	3
213T-215T*	175846.00	12
213T-215T*	175305.00*	12
213T-215T	175962.00 [▼]	4
254T-256T	175963.00 [▼]	7

*Rolled steel frame only.

DRIP-COVER KIT FOR TEFC MOTORS

For use with 1750 RPM steel frame motors only.

Frame	Catalog Number	App. Wgt. (lbs.)
213T-215T	175849.00	12

TEXTILE "LINT-PROOF" KITS

Needed parts to convert one TEFC motor to lint-proof construction.

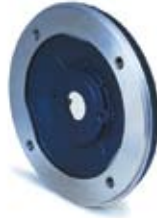
Frame	Catalog Number	App. Wgt. (lbs.)
56-143T-145T	175024.00	2
56-143T-145T	175778.00 [◆]	2
182T-184T	175695.00 ^Δ	3

SHADED FRAME INDICATES CAST IRON CONSTRUCTION

NEMA C FACE KITS STEEL FRAME MOTORS

Includes parts to convert a rigid base mounted motor to NEMA C face with base.

The C Face Kits *cannot* be used as replacements on a factory-produced C face motor.



For motors with Catalog Numbers 092000-140999

Frame	Enclosure	C Face Kit Catalog Number	App. Wgt. (lbs.)
42	Open / Enclosed	175661.00	2
48	Open / Enclosed	175969.00 ○ 175646.00 ④	2
S56	Open	175000.00	2
	Enclosed	175180.00	2
	Open / Enclosed	175297.00 ●	2
	Open / Enclosed	175647.00 ④	2
56	Open	175075.00	2
	Enclosed	175076.00	2
(see note 2)	Enclosed	M064076.00 ▲	2
143T-145T	Open	175181.00	2
	Enclosed	175077.00	2
182T-184T	Open / Enclosed	175691.00 Δ	2
182T-184T Special+	Open / Enclosed	175294.00	5
S213T	Open / Enclosed	175693.00 Δ	2
213T-215T	Open	175845.00 □	19
(1750, 1140, & 850 RPM)	Enclosed	175844.00 □	15
213T-215T	ODP	175303.00 ★	15
(3450 RPM)	Enclosed	175304.00 ★	15

NOTE: 1) When changing a rigid mount motor to C Face for 140T-256T frames, a non-NEMA BA dimension results.
2) Some larger HP 56-frame motors have larger shaft-end bearings and require a 143T-145T C Face kit. Contact LEESON.

JP PUMP DRIP COVER KITS

Frame	Catalog Number	Enclosure
56-145JP	175932.00	ODP or TEFC
182JP-184JP	175933.00	ODP
213JP-215JP	175305.00 ★	ODP

- Use these kits for new-design 213T and 215T motors that have external thru-bolts.
- Δ Use this kit for 182-4T and S213T motors with catalog numbers 131454 and higher, or with a G prefix.
Both open and enclosed motors in this series use the same kits as ventilation is in the frame of the motor.
- ✱ Not TS Frame.
- ✓✓ For older cast iron motors with date code C93 or earlier.
- For use with motors having "K" or "P" suffix on date code.
- ✱ When ordering, specify if motor has .00 or .60 suffix for correct kit.
- + Converts a 182T-184T frame motor to the C-face dimensions of a 143T-145T or 182U184U frame motor –
AJ = 5 7/8", AK = 4 1/2". Does not change the shaft extension or BA dimension to match the other frame sizes.
- ★ For use with 3450 RPM, 213T-215T (213JP-215JP) motors only.
- ▲ For use with Industry-Ag motors only, see page 69.
- For use with AC motors having "P" suffix on date code. Results in non-NEMA shaft and BA dim.
- ☆ Not for use with WATTSaver® motors.
- ① For use with motors having date codes earlier than May 2003.
- ② For use with motors having date codes May 2003 and later.
- ③ WATTSaver® II design, having oversized frame body.
- ④ For motors manufactured after January 1, 2007, having a "B" suffix letter after the motor's date code.

NEMA C FACE KITS CAST IRON MOTORS

Includes parts to convert a rigid base mounted motor to NEMA C face with base.

The C Face Kits *cannot* be used as replacements on a factory-produced C face motor.



For 150 Series and 170 Series Cast Iron Motors Only

Frame	Enclosure	C Face Kit Catalog Number	App. Wgt. (lbs.)
143T-145T	Enclosed	163116.60	6
182T-184T	Enclosed	175655.00 ☆	12
213T-215T	Open	175066.60	15
	Enclosed	175068.60 ☆	15
254T-256T	Open	175067.60	25
	Enclosed	175069.60 ✓	25
	Enclosed	175191.60	25
284T-286T	Open	175058.60	42
	Enclosed	175061.60	42
324T-326T	Open	175059.60 ☆	57
	Enclosed	175062.60	57
364T-365T	Open	175060.60	75
	Enclosed	175063.60	49
404T-405T	Open	175605.60	60
	Enclosed	175199.60	60
444T-445T□	Open	175606.60	115
	Enclosed	175664.60	115
447T-449T	Enclosed	175958.60	112

NOTE: When changing a rigid mount motor to C Face for 140T-256T frames, a non-NEMA BA dimension results.

NEMA C FACE KITS WATTSaver® MOTORS

The frame sizes below require a different C Face kit for the WATTSaver® motors from the Kits listed above.

Frame	Enclosure	C Face Kit Catalog Number	App. Wgt. (lbs.)
182T-184T	Enclosed	175842.00 ✱①	12
182T-184T	Enclosed	175394.60 ②	12
213T-215T	Enclosed	175869.60 *	14
324T-326T	Open	175454.60	57
364T-365T	Open	175601.60 ③	75
	Enclosed	175603.60 ③	75

*Locked bearing

IEEE-841 MOTORS C-FACE KITS

Used with IEEE 841 motors as listed on page 58.

Frame	Catalog Number	App. Wgt. (lbs)
145T	175787.00	7
180T	175788.00	10
210T	175789.00	16
250T	175790.00	35
280T	175791.00	47
320T	175794.00	89
360T	175795.00	95
360TS	175796.00	91
400T	175797.00	129

SHADED FRAME INDICATES CAST IRON CONSTRUCTION

BLOWER FAN KITS

These kits are used for converting 150 and 170 Series Cast Iron TEFC motors to Totally Enclosed Blower Cooled motors. Cooling per MG1.6 (IC46) The kits are designed for inverter and vector drive applications where continuous cooling is required regardless of motor shaft speed. The kit is mounted on the back of the motor after removing the fan guard and fan. Modifying the shaft is not required.



For use with Rolled Steel TEFC Motors only.

Blower Motor Voltage	Phase	NEMA Frame	Catalog Number	CFM	App. Wgt. (lbs.)
115	1	56-145T	175876.00	115	4
115	1	56-145T	175775.00 ②	115	4
115	1	182-4T	175895.00	115	4
115	1	213-5T	175896.00	235	5

② For 56/145T motors having face mounted (plastic) fan guards.

ENCODER KITS

These kits include the parts and encoder for field assembly of slim-line, through-shaft encoder designed to slip over the motor's fan end shaft. Blower kit sold separately.

Output is 1024 pulses per revolution, quadrature, 5 to 28 VDC line driver output. Short-circuit protection is standard. Inputs are over voltage and reverse voltage protected. Electrical noise immunity exceeds international standards. Encoders are isolated from shaft currents using hard anodized sleeves and non metallic anti-rotation hardware. Designed for long-life in industrial environments using an all-metal, shock resistant code disk. The encoder is protected by the motor's fan cover after mounting. Using a blower fan kit is suggested for proper motor cooling.



For use with Rolled Steel/TEFC Motors only.

For NEMA Frame	Encoder Kit Catalog Number
56-145T	175960.00
182-4T	175897.00
213-5T	175898.00

TERMINAL BLOCK KITS

Terminal block kits for 150 and 170 Series NEMA Frame Cast Iron motors. Can also be used for replacement on 193 Series Cast Iron and 192 Series aluminum IEC metric motors.



DIE CAST ALUMINUM CONDUIT BOX CONVERSION KIT

56/140-frame kit (pictured) includes die cast aluminum conduit box, cover, gaskets, grounding screw, mounting hardware and adapter plate for mounting box on existing holes in motor. 180 and 210-frame kits include all parts required to replace the conduit box including the die cast conduit box, plug, cover, gaskets and mounting hardware. No adapter plate is required because these kits mount on existing holes. All conduit boxes have 1/2-NPT tapped lead exit holes on two adjacent sides with one hole plugged. Note: the kit will not work with larger HP single-phase 210-frame motors.



EXPLOSION-PROOF CONDUIT BOX

UL and CSA listed for Class I, Group C & D, and Class II, Groups E, F & G locations. Has grounding screw and all hardware provided. Mounts to motor by 3/4"-14NPT opening at rear of box. For NEMA 56 & 143-5T frame motors only. Box number 175755 has a 1" NPT thread.



For use with 150 & 170 Series Cast Iron TEFC Motors only.

Blower Motor Voltage	Phase	NEMA Frame	Catalog Number	CFM	App. Wgt. (lbs.)
115	1	182-4T	175674.00	260	10
115	1	213-5T	175675.00	260	11
115	1	254-6T	175676.00	260	17
115	1	284-6T	175677.00	500	24
115	1	324-6T	175678.00	500	28
230/460	3	360T	175879.00	500	35
230/460	3	400T	175880.00	500	45
230/460	3	440T	175558.00 ⊛	500	55

⊛ For 444T/445T motors

For use with 150 & 170 Series Cast Iron TEFC Motors only.

For NEMA Frame	Encoder Kit Catalog Number
182-4T	175684.00
213-5T	175685.00
254-6T	175686.00
284-6T	175687.00
320T	175641.00
360T	175642.00
400T	175643.00
440T (2 pole)	175644.00
440T (4/6 pole)	175645.00

NEMA Frame	IEC Frame	Catalog Number	App. Wgt. (lbs.)
—	63-90L	175881.00 ⊛	1
180/210T	100/112/132	175668.60	2
250/280T	160/180	175667.60	3
320/360T	200/225	175666.60	4
400/440T	250/280	175665.60	5

⊛ Replacement terminal board for aluminum frame IEC motors.

NEMA Frame	Catalog Number	App. Wgt. (lbs.)
56-140T	175892.00	2
182-4T	175649.00	2
213-5T	175847.00	11

Catalog Number	App. Wgt. (lbs.)
175026.00	2
175755.00(1)	2

(1) For motors having a letter P after the date code.

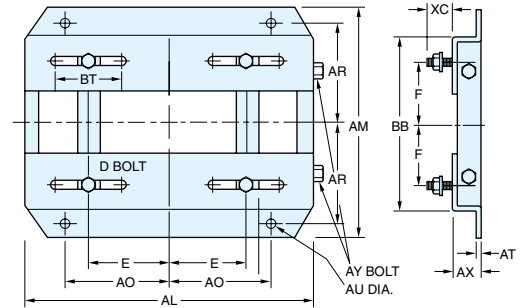
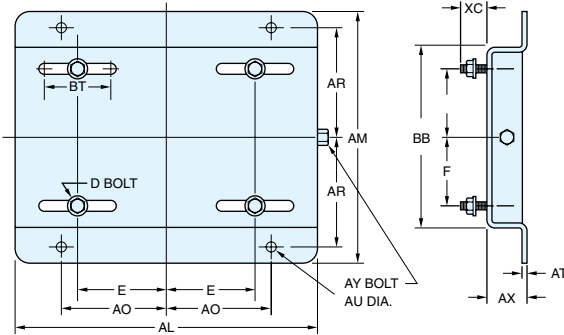
SHADED FRAME INDICATES CAST IRON CONSTRUCTION

Specifications are subject to change without notice

ADJUSTABLE MOTOR BASES—NEMA 48-447T FRAMES

Heavy gauge steel mounting bases simplify the installation of motors and make the tensioning, maintenance and replacement of belts a simple efficient task. Fabricated from sheet or steel plate, then primed and finished in a gray rust and corrosion resistant oven-baked finish. Gussets and

reinforcing channels on larger units and continuous seam welding on all units give these bases strength and durability for a long life. A single (215T frame and smaller) or double (NEMA 254T frame and larger) zinc plated adjusting screw is provided. Motor mounting bolts are included.



NEMA 48 thru 215T

NEMA 254T thru 447T

Frame	Catalog Number	AL	AM	AX	BB	E	F	AO	AR	AU**	BT	AT	XC	D* Bolt	AY Bolt	App. Wgt. (lbs.)
48	175032.00	10	6 1/4	1 1/8	4 1/4	2 1/8	1 3/8	3 1/2	2 3/4	3/8	3	.078	7/8	5/16 x 1	3/8 x 4	2
56	175033.00	10 5/8	6 1/2	1 1/8	4 1/2	2 7/16	1 1/2	3 13/16	2 7/8	3/8	3	.078	7/8	5/16 x 1	3/8 x 4	3
143T	175034.00	10 1/2	7 1/2	1 1/8	5 1/2	2 3/4	2	3 3/4	3 3/8	3/8	3	.119	1 3/16	5/15 x 1	3/8 x 4	5
145T	175035.00	10 1/2	8 1/2	1 1/8	6 1/2	2 3/4	2 1/2	3 3/4	3 7/8	3/8	3	.119	1 3/16	5/15 x 1	3/8 x 4	6
182T	175036.00	12 3/4	9 1/2	1 1/2	6 1/2	3 3/4	2 1/4	4 1/2	4 1/4	1/2	3	.134	1 1/2	3/8 x 1 3/4	1/2 x 5	9
184T	175037.00	12 3/4	10 1/2	1 1/2	7 1/2	3 3/4	2 3/4	4 1/2	4 3/4	1/2	3	.134	1 1/2	3/8 x 1 3/4	1/2 x 5	9
213T	175038.00	15	11	1 3/4	7 1/2	4 1/4	2 3/4	5 1/4	4 3/4	1/2	3 1/2	.164	1 1/2	3/8 x 1 3/4	1/2 x 5	13
215T	175039.00	15	12 1/2	1 3/4	9	4 1/4	3 1/2	5 1/4	5 1/2	1/2	3 1/2	.164	1 1/2	3/8 x 1 3/4	1/2 x 5	15
254T	175040.00	17 3/4	15 1/8	2	10 3/4	5	4 1/8	6 1/4	6 5/8	5/8	4	3/16	1 7/16	1/2 x 1 3/4	5/8 x 6	17
256T	175041.00	17 3/4	16 7/8	2	12 1/2	5	5	6 1/4	7 1/2	5/8	4	3/16	1 7/16	1/2 x 1 3/4	5/8 x 6	18
284T	175042.00	19 3/4	16 7/8	2	12 1/2	5 1/2	4 3/4	7	7 1/2	5/8	4 1/2	3/16	1 11/16	1/2 x 2	5/8 x 6	21
286T	175043.00	19 3/4	18 3/8	2	14	5 1/2	5 1/2	7	8 1/4	5/8	4 1/2	3/16	1 11/16	1/2 x 2	5/8 x 6	22
324T	175044.00	22 3/4	19 1/4	2 1/2	14	6 1/4	5 1/4	8	8 1/2	3/4	5 1/4	3/16	2 3/16	5/8 x 2 1/2	3/4 x 9	31
326T	175045.00	22 3/4	20 3/4	2 1/2	15 1/2	6 1/4	6	8	9 1/4	3/4	5 1/4	3/16	2 3/16	5/8 x 2 1/2	3/4 x 9	32
364T	175046.00	25 1/2	20 1/2	2 1/2	15 1/2	7	5 5/8	9	9 1/8	3/4	6	1/4	2 1/16	5/8 x 2 1/2	3/4 x 9	44
365T	175047.00	25 1/2	21 1/2	2 1/2	16 1/2	7	6 1/8	9	9 5/8	3/4	6	1/4	2 1/16	5/8 x 2 1/2	3/4 x 9	45
404T	175048.00	28 3/4	22 3/8	3	16 1/2	8	6 1/8	10	9 7/8	7/8	7	1/4	2 1/2	3/4 x 3	3/4 x 11	60
405T	175049.00	28 3/4	23 7/8	3	18	8	6 7/8	10	10 5/8	7/8	7	1/4	2 1/2	3/4 x 3	3/4 x 11	61
444T	175088.00	31 1/4	24 5/8	3	19 1/4	9	7 1/4	11	11	7/8	7 1/2	1/4	2 1/2	3/4 x 3	3/4 x 11	68
445T	175089.00	31 1/4	26 5/8	3	21 1/4	9	8 1/4	11	12	7/8	7 1/2	1/4	2 1/2	3/4 x 3	3/4 x 11	73
447T	175090.00	31 1/4	30 1/8	3	24 3/4	9	10	11	13 3/4	7/8	7 1/2	5/16	3	3/4 x 3 1/2	3/4 x 11	92
449T	175302.00	31 1/4	35 1/8	3	29 3/4	9	12 1/2	11	16 1/4	7/8	7 1/2	5/16	3	3/4 x 3 1/2	3/4 x 11	95

* Motor mounting bolt diameter and length, four supplied with each base.

** Base mounting bolts, four required—not supplied with base.

NOTE: These bases are not suitable for vertical mounting. All dimensions in inches.

TRANSITION BASES

Transition bases compensate for the difference in mounting dimensions and shaft height of a rigid base NEMA T frame to the next higher NEMA U frame. This makes it possible, for example, to replace a 10 HP NEMA 254U frame motor with a 10 HP NEMA 215T frame motor without modifying the basic installation. Made of the same high-quality materials and

construction as the adjustable motor bases above. They are for horizontal mountings, shimming may be needed for direct coupled loads. Thread size listed is for mounting transition base to the "T" frame motor. Dimensions listed are for one piece—two are supplied, one for each side of the motor's foot.



Converts T Frame	To U Frame	Catalog Number	App. Wgt. (lbs.)	Height (Inches)	Width (Inches)	Length (Inches)	Thread
143T/145T	182/184	175091.00	2	1	2 1/4	7 1/2	5/16-18
182T/184T	213/215	175092.00	3	3/4	1 3/4	9 1/2	3/8-16
213T/215T	254U/256U	175093.00	5	1	2 7/16	12 3/4	3/8-16
254T/256T	284U/286U	175094.00	8	3/4	2 3/4	14 1/4	1/2-13
284T/286T	324U/326U	175095.00	10	1	3 1/4	15 3/4	1/2-13
324T/326T	364U/365U	175097.00	13	1	3 11/16	16 1/2	5/8-11
364T/365T	404U/405U	175098.00	22	1	4 1/4	18 5/8	5/8-11
404T/405T	444U/445U	175127.00	24	1	4 1/4	21 5/8	3/4-10



C-FACE FIELD CONVERSION KITS FOR ULTIMATE E, ODP & WASHTHRU™ MOTORS

SRD, SSD, SD, SREW, SSEW, MD & SM MODEL NUMBERS
S, P & B EFFICIENCY CODES

Mount On Drive End Only

Frame Size(s)	SYN RPM	Model Number Prefix							Product Number	Notes	Approx Shpg Wght (lbs)
		SREW	SSEW	SRD	SSD	SD (cast Iron Brkt)	MD & SE	CCD			
56	All	*		*					LM24631	2	2
56	All	*		*					LM24807	3	2
143T-145T	All		*		*				LM24807	1, 3	2
182T-184T	All		*	*					175691.00	5	2
213T-215T	All		*		*				LM25737	1	15
254T-256T	All				*				LM25740	1	15
254T-256T	All							*	LM31014	1	15
284T/TS-286T/TS	All							*	LM31019		15
284T/TS-286T/TS	All					*			LM24062	4	25
324T/TS-326T/TS	All					*			LM24063		47
364T/TS-365T/TS	All					*			LM24064		53
404T/TS-405T/TS	All					*			LM24065		56
444T/TS-445T/TS	3600					*			LM24066		88
444T/TS-445T/TS	1200 & 1800					*			LM24067		88
447T/TS-449T/TS	3600					*			LM24068		98
447T/TS-449T/TS	1200 & 1800					*			LM24069		98

Frame	NEMA C-Face BA	C-Face Kit BA	D.E. Brg	* M/N Prefix
143T-145T	2.75"	2.40"	6203	SSF
143T-145T	2.75"	2.38"	6205	CCF, CCN
182T-184T	3.50"	2.75"	STD.	N/A
213T-215T	4.25"	3.50"	STD.	N/A
254T-256T	4.75"	4.25"	STD.	N/A

*All except ODP

Notes: P=Epact, B=Preimum, S=Standard Eff.

1. These kits create a T-Frame C-Face motor having a non NEMA BA dimension. See chart for further explanation
 2. 56 frames with 203 drive end bearing
 3. 56 frames with 205 drive end bearing
 4. For 2-Pole and 6-Pole motors
- For motors with steel end brackets – no C-Face Kits are available
180 frame motors – no C-Face Kits are available
5. Motors built having the letter "M" after the date code

C-FACE FIELD CONVERSION KITS FOR ULTIMATE E TEFC MOTORS



SRF, SSF, SREW, SSEW, AF, AAF, CCN, CCF, CCS & SF MODEL NUMBERS
G, P & B EFFICIENCY CODES

Mount On Drive End Only

Frame Size(s)	SYN RPM	Model Number Prefix							Product Number	Notes	Approx Shpg Wght (lbs)
		SRF	SSF	AF/AAF	SF (cast Iron Brkt)	CCN	CCF	CCS			
56	All	*							LM24808	1,2	2
56	All	*							LM24810	1,3	1
143T	All					*	*	*	LM24811	1	18
143T	All		*						LM24810	1	1
145T	All		*						LM24810	1	1
145	All					*	*	*	LM24815	1	7
182T-184T	All		*				*	*	LM25736	1	12
182T-184T	All		*						175691.00	1, 6	2
182T-184T	All			AAF					LM26679	1	10
182T-184T	1800			AAF					LM32095	8	10
182T-184T	ALL								175394.60	1, 9	12
213T-215T	All		*						LM25738	1	10
213T-215T	All						*	*	LM25739	1	10
213T215T, 213-215	All			*					LM20121	1	10
213T-215T	All			*					LM30146	7	10
213T-215T	1800			AAF					LM32096	8	10
213T-215T	All								175068.60	1, 9	15
254T-256T	All						*	*	175191.60 =AP21	1	25
254T-256T	All						*	*	LM27681	1	25
254U-256U	All			*					LM30147	1	26
254T-256T	All								175191.60	1, 9	25
284T-286T	All						*	*	LM27576		20
284T/TS-286T/TS	All			*					LM20116		20
284T/TS-286T/TS	All								175061.60	1, 9	42
324T/TS-326T/TS, 324U/US-326U/US	All						*	*	LM28624		33
324T/TS-326T/TS, 324U/US-326U/US	All			*					LM24057		33
364T/TS-365T/TS	All			*					LM24058		30
364T/TS-365T/TS	All								175603.60	1, 9	75
364T-365T							*	*	LM32284		35
364TS-365TS							*	*	LM32285		35
364U-365U							*	*	LM32286		37
404T-405T, 404U-405U	All						*	*	LM28501		53
404T-405T							*	*	LM32287		54
404TS-405TS							*	*	LM32288		53
404T/TS-405T/TS	All			*					LM24059		53
404T/TS-405T/TS	All								175199.60	1, 9	60
444T/TS-449T/TS	3600			*					LM24060		98
444T-445T							*	*	LM32290		96
444T/TS-445T/TS	All						*	*	175664.60	1, 9	115
444TS-445TS							*	*	LM32291		96
444T/TS-449T/TS	1800			*					LM24061		98
447T-449T							*	*	LM32292		98
444T/TS-449T/TS	All								175958.60	1, 9	112
447TS-449TS	1800 & 1200			*			*	*	LM32293		98

Notes: P=Epact, B=Preimum, S=Standard Eff., G=U-Frame Standard

1. These kits create a T-Frame C-Face motor having a non NEMA BA dimension. See chart for further explanation

2. 56 frames with 203 drive end bearing

3. 56 frames with 205 drive end bearing

4. For AK dimension of 4.5"

5. For AK dimension of 8.5"

For motors with steel end brackets - no C-Face Kits are available

6. Motors built having the letter "M" after the date code

7. Aluminum Frame motors built after 2007

8. Aluminum Frame motors ending with AP23 in the Model Number

9. Cast Iron Motors having Catalog numbers starting with LM6 and model numbers ending with AP21

Specifications are subject to change without notice

Frame	NEMA C-Face BA	C-Face Kit BA	D.E. Brg	* M/N Prefix
143T-145T	2.75"	2.40"	6203	SSF
143T-145T	2.75"	2.38"	6205	CCF, CCN
182T-184T	3.50"	2.75"	STD.	N/A
213T-215T	4.25"	3.50"	STD.	N/A
254T-256T	4.75"	4.25"	STD.	N/A

*All except ODP



CE FIELD CONVERSION KITS 3-PHASE MOTORS ONLY

Model Number Beginning with	Efficiency Code(s)	Frame Size	Product Number	Notes	Approx Shpg Wght (lbs)
SD & SSD	P.B.	143T-184T	LM22093		2
		213T-215T	LM22188		2
		254T-256T	LM25632		TBD
		284T-326T	LM12429	2	
		364T-365T	LM12430	1	2
		404T-405T	LM12454	1	35
		444T-445T	LM12463	1	40
		447T-449T	LM12479	1	40
AF & SF (also includes AB, AN & SB)	S, H	143T-145T	LM08476		2
		182T-184T	LM08478		2
		213T-215T	LM08582		2
		254T-256T	LM08664		5
		284T-286T	LM08665	9	2
		324T-326T	LM08709	3	2
		364T-365T	LM08720	3	2
		404T-405T	LM08738	3	2
		444T-445T	LM08827	1.3	40
AF, AAF & SSF	S,P,B	143T-145T	LM18872		2
		182T-184T	LM18873		2
AF & SF	P, B	213T-215T	LM18874		1
		254T-256T	LM19985		TBD
		284T-286T	LM18876		1
		324T-326T	LM18866		3
		364T-365T	LM18868	1	35
		404T-405T	LM18869		3
		444T-445T	LM18870		4
		447T-449T	LM18871	1	40
CS, CCF & CCS (excludes those motors with NN in NOTES column)	P, B	143T-184T	LM18864		2
		213T-256T	LM18865		2
		284T-326T	LM18866		3
		364T-405T	LM18867		3
		444T-445T	LM18870		4
		447T-449T	LM18871	1.2	40
MD & SE	S	284T-286T	LM12429		2
		324T-365T	LM16572		2
		404T-405T	LM16574	1	40
		404T-405T	LM12454	1	35
		444T-445T	LM16577	1	40

Notes: P=Epact, B=Preimum, S=Standard Eff., G=U-Frame Standard

1. Kit includes larger than standard terminal box.

2. Terminal box is heavy gauge steel CS models normally have cast iron box

3. Blower motor on TEBC CTAC models, 284T frames and larger, is not CE compliant

* Multiguard mtrs

Useable on 380 to 575V (for others, contact Lincoln). Price includes terminal strip suitable for six

connections and grounding lug. Contact Customer Service regarding nameplate with CE Mark.

Copies of Lincoln's Declaration of Conformity for the Low Voltage Declaration of Conformity for the

Low Voltage Directive and Manufacturer's Declaration for the Machinery Directive are available on

request

SHAFT GROUNDING RINGS

Shaft grounding is recommended (NEMA MG1 31.4.4.3) as an effective means of bearing protection for motors operated from inverter power. One grounding device is adequate to bleed down inverter-sourced shaft voltages, thereby protecting both bearings for motors as large as 6085 frame. Kits includes grounding ring, mounting hardware and instructions. Shaft ground rings fit these Lincoln NEMA shaft extension frames listed below, they are designed to mount on the shaft end.

Shaft Grounding Ring (SGR)

Frame	Product No.	STOCK	List Price
48	LM32396	*	\$151
56	LM32397	*	\$151
143-145T	LM32398	*	\$151
182-184T	LM32399	*	\$176
213-215T	LM32401	*	\$200
254-256T	LM32402	*	\$250
284-286T	LM32403	*	\$302
284-286TS	LM32404	*	\$302
324-326T	LM32405	*	\$352
324-326TS	LM32406	*	\$352
364-365T	LM32407	*	\$401
364-365TS	LM32408	*	\$401
404-405	LM32409	*	\$598
404-405TS	LM32410	*	\$598
444-445T	LM32411	*	\$1,050
444-445TS	LM32412	*	\$1,050
447/449T	LM32413	*	\$1,050
447/449TS	LM32414	*	\$1,050



Grounding devices may not be installed on motors used in Division I or Division 2 hazardous locations. These Kits cannot be used on Lincoln Motors having AP21 or AP23 in the Model Number or LEESON Cast Iron Motors