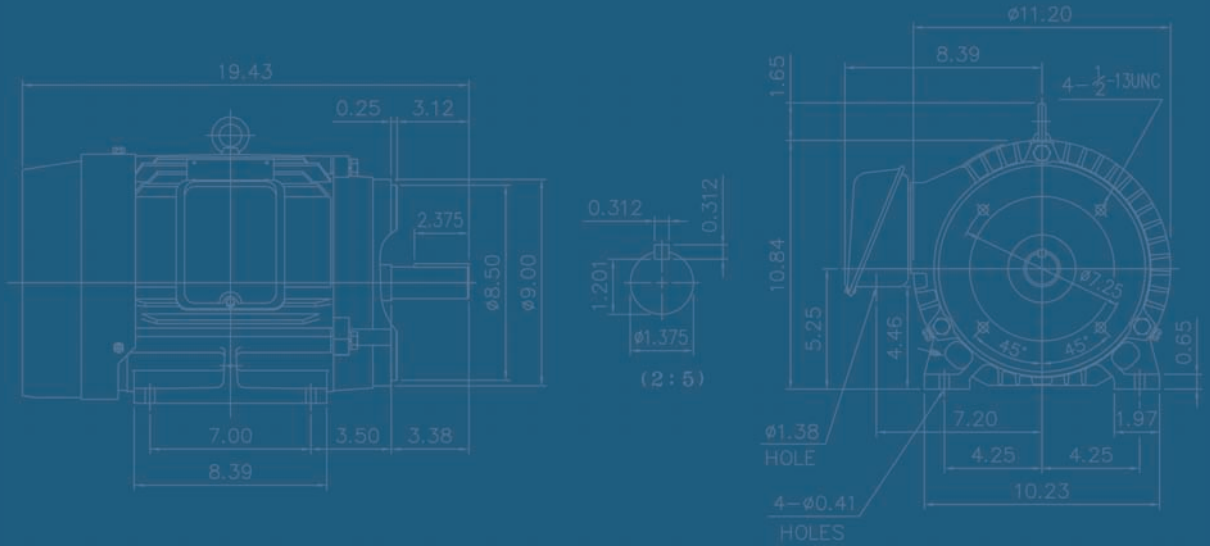
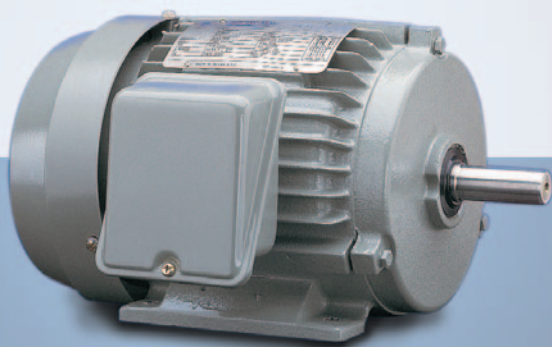
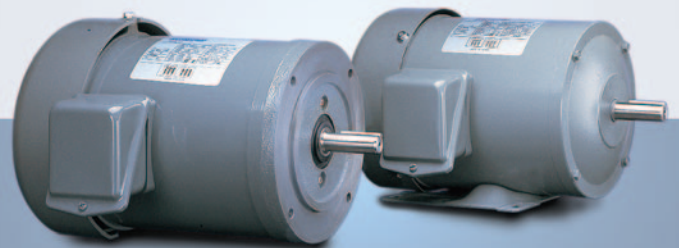


STERLING ELECTRIC, INC.



STOCK ELECTRICAL PRODUCTS SPECIFICATIONS AND PRICING



Standard Steel Frame and Cast Iron Motors



Our standard Rolled Steel and Cast Iron Frame motors provide superior quality and unique designs features compared to competing brands in the marketplace. We provide a full product offering in Cast Iron construction from 56 through 447TZ Frame designs to meet the harsh application requirements found in today's industry.

Our standard product provides the following outstanding features:

- 3 Phase, 60 Hz., 230/460 Volt or 575 Volt
- CE, CSA and CSE Approved
- Stainless Steel Nameplate
- Cast Iron End Brackets on Rolled Steel or Cast Iron Frames
- Diagonally Split Conduit Box

Sterli-Seal® Smooth Body Washdown Steel Frame Motors



Our Sterli-Seal Washdown products are designed to withstand the challenges of today's Process Industry where high-pressure washing is required for sanitary requirements.

This product provides a Smooth Rolled Steel Constructed Frame to eliminate buildup of material and to allow ease in cleanup in a sanitary application.

Sterli-Seal Smooth Body Washdown Motors offer the following outstanding features:

- 3 Phase, 60 Hz., 208-230/460 Volt or 575 Volt
- CE, CSA and CSE Approved
- Stainless Steel Etched Nameplate
- 50 Hz. Ratings available – refer to factory for details
- Class F Insulation with a 1.15 Service Factor
- Inverter Rated per NEMA MG1-Part 31.4.4.2
- Cast Iron End Brackets with drain holes in four quadrants
- Smooth Body Steel Frame
- Diagonally Split and Gasketed Stamped Steel Conduit Box Rotatable in 90 degree increments
- Pre-lubricated (Sealed) oversized bearings
- Internally locked drive end bearing
- Lip seals on drive end and opposite drive end brackets
- Base mounted units designed with six mounting holes to provide flexibility for mounting of NEMA 56, 140, 180 and 210 frame sizes

Sterli-Seal® ALL Stainless Steel INVERTER RATED Motors



Our Steri-Seal® Stainless Steel motors are designed to provide superior performance in sanitary applications.

Our STANDARD product provides the following outstanding features:

- 3 Phase, 60 Hz., 208-230/460 Volt or 575 Volt
- CE, CSA and CSE Approved
- Etched Nameplate
- 50 Hz. Ratings available – refer to factory for details
- Class F Insulation with a 1.15 Service Factor
- Inverter Rated per NEMA MG1-Part 31.4.4.2
- Cast 304 Stainless Steel End Brackets with drain holes in four quadrants
- 304 Stainless Steel Frame
- Diagonally Split and Gasketed 304 Stainless Steel Conduit Box Rotatable in 90 degree increments
- Pre-lubricated (Sealed) oversized bearings
- Internally locked drive end bearing
- Lip seals on drive end and opposite drive end brackets
- Base mounted units designed with six mounting holes to provide flexibility for mounting of NEMA 56, 140, 180 and 210 frame sizes

Sterling Electric produces a full range of electric motors to meet the most demanding applications found in today's industry. From standard duty applications to the harsh environments of the chemical industry or the washdown requirements of the food processing industry, Sterling Electric has the solution.

This New Stock Product Catalog provides a full selection of motors that meet the EISA 2007 (Energy Independence & Security Act) requirements that go into effect with motors produced after December 19, 2010. Off-the-shelf motors produced prior to this date can be sold until inventories are depleted.

EISA 2007 requires that all motors previously covered under the original Energy Policy Act of 1992 (EPAAct) must meet the NEMA Premium Efficient efficiencies as defined by NEMA MG1, Table 12-12. EISA also expands the mandated energy efficiency standards to cover motor designs that were originally exempt from regulation. Motors that were exempt and are now included in EISA 2007 would be:

- U-Frame motors
- NEMA Design "C" High Starting Torque Motors
- 8-Pole (900) Rpm Motors
- JM and JP Close-coupled pump motors
- Footless motors
- Vertical solid shaft normal thrust motor (as tested in a horizontal configuration)
- A poly-phase motor with voltage of not more than 600 volts (other than 230 or 460 volts (or 575V for Canada))
- Fire pump motors 1-200HP
- 201-500 horsepower motors not previously covered by EPAAct

All of the referenced motors must comply with Energy Efficient efficiencies as defined by NEMA MG1, Table 12-11.

Motors that are not covered by EISA would be:

- NEMA Design "D" high slip motors
- Adjustable speed inverter duty motors with optimized windings for use on Variable Frequency Drives
- Customized OEM mounting or specialized mechanical construction
- Intermittent duty
- Integral gear motors and brake motors where motor and gear box or motors and brake are inseparable
- Submersible motors
- DC motors
- Two-digit frames (48-56)
- Multi-speed motors
- Motors greater than 600 volt
- TENV and TEAO enclosures

For further information regarding EISA, please refer to Title 10 of the Code of Federal Regulations Part 431 (10 CFR Part 431) which is available at www.gpoaccess.gov

All of the new requirements, pertaining to energy regulations, will improve our dependence on oil and other natural resources and allow us energy savings in the future. As we move forward, additional changes will occur with motors that will be required to meet EPAAct regulations or are exempt from EISA 2007 as outline above.

Sterling Electric will continue to improve our products to meet or exceed the energy laws and insure our customers the highest quality and energy cost savings in the years ahead.

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Complete Product Specifications with Data Sheet, 3D (Step File), AutoCad or PDF File can be obtained from www.sterlingelectric.com

Our Website, also includes the capability to select product online to obtain a model number that meets your requirements.

Product Specifications

Steel Frame Motors

Certifications:	CE, CSA (US/Canada), EE
Insulation:	Class F, Inverter Rated per NEMA MG1-Part31.4.4.2
Service Factor:	1.15
Main Frame:	Rolled Steel (Smooth Body)
End Brackets:	Cast Iron
Conduit Box:	Stamped Steel. Diagonally Split Rotatable in 90 ° Increments
Fan Guard:	Stamped Steel
Shaft:	Keyed Carbon Steel
Sterli-Seal Washdown Duty	Keyed 304 Stainless Steel
Bearings:	Prelubricated Double Shielded Ball Bearings
Sterli-Seal Washdown Duty	Prelubricated Sealed Ball Bearings



Stainless Steel Frame Motors

Certifications:	CE, CSA (US/Canada), EE
Insulation:	Class F, Inverter Rated per NEMA MG1-Part31.4.4.2
Service Factor:	1.15
Main Frame:	304 Stainless Steel (Smooth Body)
End Brackets:	304 Cast Stainless Steel
Conduit Box:	304 Stainless Steel. Diagonally Split Rotatable in 90 ° Increments
Fan Guard:	304 Stainless Steel
Shaft:	Keyed 304 Stainless Steel
Bearings:	Prelubricated Sealed Ball Bearings



Cast Iron Frame Motor

Certifications:	CE, CSA (US/Canada), EE
Insulation:	Class F
Service Factor:	1.15
Main Frame:	Cast Iron (Ribbed Frame)
End Brackets:	Cast Iron
Conduit Box:	Stamped Steel. Diagonally Split Rotatable in 90 ° Increments
Fan Guard:	Stamped Steel
Shaft:	Keyed Carbon Steel
Sterli-Seal Washdown Duty	Keyed 304 Stainless Steel
Bearings:	Prelubricated Double Shielded Ball Bearings
Sterli-Seal Washdown Duty	Prelubricated Sealed Ball Bearings





**Open Dripproof Enclosure
Three Phase Motors – EPAct Efficient Rated
60Hz. – 230/460 Volt**

These Models to become Obsolete upon Depletion of Inventory

HP	RPM	Frame	Eff. %	Model Number	List Price
1	1800	143T	82.5	EW0014DFA	\$ 408
	1200	145T	80.0	EW0016DFA	\$ 532
1.5	3600	143T	82.5	EWY152DFA	\$ 442
	1800	145T	84.0	EWY154DFA	\$ 462
	1200	182T	84.0	EWY156DFA	\$ 596
2	3600	145T	84.0	EW0022DFA	\$ 528
	1800	145T	84.0	EW0024DFA	\$ 502
	1200	184T	85.5	EW0026DFA	\$ 602
3	3600	145T	84.0	EW0032DFA	\$ 588
	1800	182T	86.5	EW0034DFA	\$ 532
	1200	213T	86.5	EW0036DFA	\$ 820
5	3600	182T	85.5	EW0052DFA	\$ 668
	1800	184T	87.5	EW0054DFA	\$ 596
	1200	215T	87.5	EW0056DFA	\$ 1064
7.5	3600	184T	87.5	EWY752DFA	\$ 884
	1800	213T	88.5	EWY754DFA	\$ 874
	1200	254T	88.5	EWY756DFA	\$ 1458
10	3600	213T	88.5	EW0102DFA	\$ 1072
	1800	215T	89.5	EW0104DFA	\$ 1086
	1200	256T	90.2	EW0106DFA	\$ 1762
15	3600	215T	89.5	EW0152DFA	\$ 1432
	1800	254T	91.0	EW0154DFA	\$ 1450
	1200	284T	90.2	EW0156DFA	\$ 2306
20	3600	254T	90.2	EW0202DFA	\$ 1762
	1800	256T	91.0	EW0204DFA	\$ 1780
	1200	286T	91.0	EW0206DFA	\$ 2894
25	3600	256T	91.0	EW0252DFA	\$ 2156
	1800	284T	91.7	EW0254DFA	\$ 2148
	1200	324T	91.7	EW0256DFA	\$ 3566
30	3600	284TS	91.0	EW0302DFA	\$ 2564
	1800	286T	92.4	EW0304DFA	\$ 2512
	1200	326T	92.4	EW0306DFA	\$ 4142
40	3600	286TS	91.7	EW0402DFA	\$ 3414
	1800	324T	93.0	EW0404DFA	\$ 3180
	1200	364T	93.0	EW0406DFA	\$ 4916
50	3600	324TS	92.4	EW0502DFA	\$ 4260
	1800	326T	93.0	EW0504DFA	\$ 3830
	1200	365T	93.0	EW0506DFA	\$ 6698
60	3600	326TS	93.0	EW0602DFA	\$ 4832
	1800	364T	93.6	EW0604DFA	\$ 4634
	1200	404T	93.6	EW0606DFA	\$ 8184
75	3600	364TS	93.0	EW0752DFA	\$ 6576
	1800	365T	94.1	EW0754DFA	\$ 5708
	1200	405T	93.6	EW0756DFA	\$ 9274
100	3600	365TS	93.0	EW1002DFA	\$ 8472
	1800	404T	94.1	EW1004DFA	\$ 7502
	1200	444T	94.1	EW1006DFA	\$11856

Shaded Models Cast Iron Construction



**Open Dripproof Enclosure
Three Phase Motors – EISA 2007 Premium
Efficient Rated
60Hz. – 230/460 Volt**

HP	RPM	Frame	Eff. %	Model Number	List Price
1	1800	143T	84.0	JH0014DFA	\$ 530
	1200	145T	81.5	JH0016DFA	\$ 622
1.5	3600	143T	82.5	JHY152DFA	\$ 522
	1800	145T	85.5	JHY154DFA	\$ 552
	1200	182T	85.5	JHY156DFA	\$ 728
2	3600	145T	84.0	JH0022DFA	\$ 612
	1800	145T	86.5	JH0024DFA	\$ 626
	1200	184T	86.5	EH0026DFA	\$ 758
3	3600	145T	85.5	EH0032DFA	\$ 722
	1800	182T	87.5	EH0034DFA	\$ 640
	1200	213T	88.5	EH0036DFA	\$ 1062
5	3600	182T	88.5	EH0052DFA	\$ 850
	1800	184T	88.5	EH0054DFA	\$ 766
	1200	215T	89.5	EH0056DFA	\$ 1414
7.5	3600	184T	88.5	EHY752DFA	\$ 1080
	1800	213T	90.2	EHY754DFA	\$ 1128
	1200	254T	91.7	EHY756DFA	\$ 1692
10	3600	213T	89.5	EH0102DFA	\$ 1342
	1800	215T	90.2	EH0104DFA	\$ 1252
	1200	256T	91.7	EH0106DFA	\$ 2084
15	3600	215T	90.2	EH0152DFA	\$ 1756
	1800	254T	92.4	EH0154DFA	\$ 1776
	1200	284T	92.4	EH0156DFA	\$ 2724
20	3600	254T	91.0	EH0202DFA	\$ 2064
	1800	256T	93.0	EH0204DFA	\$ 2232
	1200	286T	92.4	EH0206DFA	\$ 3432
25	3600	256T	91.7	EH0252DFA	\$ 2478
	1800	284T	93.0	EH0254DFA	\$ 2722
	1200	324T	92.4	EH0256DFA	\$ 4412
30	3600	284TS	92.4	EH0302DFA	\$ 2924
	1800	286T	93.6	EH0304DFA	\$ 2976
	1200	326T	93.0	EH0306DFA	\$ 4746
40	3600	286TS	92.4	EH0402DFA	\$ 4080
	1800	324T	94.1	EH0404DFA	\$ 3886
	1200	364T	94.1	EH0406DFA	\$ 6586
50	3600	324TS	93.6	EH0502DFA	\$ 4920
	1800	326T	94.1	EH0504DFA	\$ 4288
	1200	365T	94.1	EH0506DFA	\$ 5572
60	3600	326TS	94.1	EH0602DFA	\$ 5902
	1800	364T	94.5	EH0604DFA	\$ 5400
	1200	404T	95.0	EH0606DFA	\$ 9602
75	3600	364TS	94.1	EH0752DFA	\$ 8172
	1800	365T	95.0	EH0754DFA	\$ 6636
	1200	405T	94.5	EH0756DFA	\$10692
100	3600	365TS	95.0	EH1002DFA	\$ 8652
	1800	404T	95.0	EH1004DFA	\$ 8102
	1200	444T	95.4	EH1006DFA	\$12804

Shaded Models Cast Iron Construction



**Totally Enclosed Fan Cooled
Three Phase Motors – EPAct Efficient Rated
60 Hz. – 230/460 Volt**

These Models to become Obsolete after Inventory is Depleted *
* Applicable to NEMA Frame 143T and Larger

HP	RPM	Frame	Eff. %	Model Number	List Price
1/3	1800	56	72.5	NBY034FFA	\$ 376
1/2	3600	56	75.0	NBY052FFA	\$ 328
	1800	56	74.0	NBY054FFA	\$ 400
3/4	3600	56	76.5	NBY072FFA	\$ 360
	1800	56	74.5	NBY074FFA	\$ 426
1	3600	56	79.0	NB0012FFA	\$ 416
	1800	56	77.5	NB0014FFA	\$ 434
	1800	143T	77.5	DB0014FFA	\$ 456
	1800	143T	82.5	EW0014FFA	\$ 470
	1200	145T	80.0	EW0016FFA	\$ 576
1.5	3600	56	80.0	NBY152FFA	\$ 484
	3600	143T	82.5	EWY152FFA	\$ 532
	1800	56	83.5	NBY154FFA	\$ 478
	1800	145T	84.0	DBY154FFA	\$ 466
	1800	145T	84.0	EWY154FFA	\$ 528
	1200	182T	85.5	EWY156FFA	\$ 652
2	3600	56	82.5	NB0022FFA	\$ 534
	3600	145T	84.0	EW0022FFA	\$ 576
	1800	56	78.0	NB0024FFA	\$ 542
	1800	145T	85.5	DB0024FFA	\$ 491
	1800	145T	84.0	EW0024FFA	\$ 554
	1200	184T	86.5	EW0026FFA	\$ 720
3	3600	182T	85.5	EW0032FFA	\$ 652
	1800	182T	87.5	DB0034FFA	\$ 577
	1800	182T	87.5	EW0034FFA	\$ 668
	1200	213T	87.5	EW0036FFA	\$ 904
5	3600	184T	87.5	EW0052FFA	\$ 802
	1800	184T	87.5	DB0054FFA	\$ 665
	1800	184T	87.5	EW0054FFA	\$ 730
	1200	215T	87.5	EW0056FFA	\$1326
7.5	3600	213T	88.5	EWY752FFA	\$1086
	1800	213T	89.5	DBY754FFA	\$ 848
	1800	213T	89.5	EWY754FFA	\$ 962
	1200	254T	89.5	EWY756FFA	\$1862
10	3600	215T	89.5	EW0102FFA	\$1274
	1800	215T	89.5	DB0104FFA	\$1033
	1800	215T	89.5	EW0104FFA	\$1154
	1200	256T	89.5	EW0106FFA	\$2266
15	3600	254T	90.2	EW0152FFA	\$1766
	1800	254T	91.0	EW0154FFA	\$1730
	1200	284T	90.2	EW0156FFA	\$3084
20	3600	256T	90.2	EW0202FFA	\$2294
	1800	256T	91.0	EW0204FFA	\$2178
	1200	286T	90.2	EW0206FFA	\$3976
25	3600	284TS	91.0	EW0252FFA	\$2868
	1800	284T	92.4	EW0254FFA	\$2672
	1200	324T	91.7	EW0256FFA	\$4840
30	3600	286TS	91.0	EW0302FFA	\$3372
	1800	286T	92.4	EW0304FFA	\$3132
	1200	326T	91.7	EW0306FFA	\$5494

Shaded Models Cast Iron Construction



**Totally Enclosed Fan Cooled
Three Phase Motors – EISA 2007 PREMIUM
EFFICIENT Rated
60 Hz. – 230/460 Volt**

HP	RPM	Frame	Eff. %	Model Number	List Price
1	1800	143T	85.5	DH0014FFA	\$ 524
	1800	143T	86.5	JH0014FFA	\$ 558
	1200	145T	82.5	DH0016FFA	\$ 532
	1200	145T	84.0	JH0016FFA	\$ 616
1.5	3600	143T	84.0	DHY152FFA	\$ 520
	3600	143T	85.5	JHY152FFA	\$ 582
	1800	145T	86.5	DHY154FFA	\$ 536
	1800	145T	87.5	JHY154FFA	\$ 616
	1200	182T	87.5	DHY156FFA	\$ 652
	1200	182T	87.5	JHY156FFA	\$ 696
2	3600	145T	85.5	DH0022FFA	\$ 568
	3600	145T	86.5	JH0022FFA	\$ 656
	1800	145T	86.5	DH0024FFA	\$ 565
	1800	145T	87.5	JH0024FFA	\$ 660
	1200	184T	88.5	DH0026FFA	\$ 684
	1200	184T	88.5	JH0026FFA	\$ 770
3	3600	182T	86.5	DH0032FFA	\$ 630
	3600	182T	88.5	JH0032FFA	\$ 858
	1800	182T	89.5	DH0034FFA	\$ 664
	1800	182T	90.2	JH0034FFA	\$ 814
	1200	213T	89.5	DH0036FFA	\$ 904
	1200	213T	89.5	EH0036FFA	\$ 980
5	3600	184T	88.5	DH0052FFA	\$ 700
	3600	184T	90.2	JH0052FFA	\$1000
	1800	184T	89.5	DH0054FFA	\$ 765
	1800	184T	90.2	JH0054FFA	\$ 898
	1200	215T	89.5	DH0056FFA	\$1280
	1200	215T	89.5	EH0056FFA	\$1420
7.5	3600	213T	89.5	DHY752FFA	\$1048
	3600	213T	90.2	EHY752FFA	\$1258
	1800	213T	91.7	DHY754FFA	\$ 975
	1800	213T	91.0	EHY754FFA	\$1234
	1200	254T	91.7	EHY756FFA	\$1996
10	3600	215T	90.7	DH0102FFA	\$1064
	3600	215T	91.7	EH0102FFA	\$1574
	1800	215T	91.7	DH0104FFA	\$1188
	1800	215T	91.7	EH0104FFA	\$1470
	1200	256T	91.7	EH0106FFA	\$2428
15	3600	254T	91.0	EH0152FFA	\$2072
	1800	254T	92.4	EH0154FFA	\$2000
	1200	284T	92.4	EH0156FFA	\$3304
20	3600	256T	91.0	EH0202FFA	\$2656
	1800	256T	93.0	EH0204FFA	\$2526
	1200	286T	92.4	EH0206FFA	\$4260
25	3600	284TS	91.7	EH0252FFA	\$3286
	1800	284T	93.6	EH0254FFA	\$3080
	1200	324T	93.0	EH0256FFA	\$5186
30	3600	286TS	92.4	EH0302FFA	\$3984
	1800	286T	93.6	EH0304FFA	\$3720
	1200	326T	93.0	EH0306FFA	\$5888

Shaded Models Cast Iron Construction



**Totally Enclosed Fan Cooled
Three Phase Motors – EPAct Efficient Rated
60 Hz. – 230/460 Volt**

These Models to become Obsolete after Inventory is Depleted

HP	RPM	Frame	Eff. %	Model Number	List Price
40	3600	324TS	91.7	EW0402FFA	\$ 4528
	1800	324T	93.0	EW0404FFA	\$ 4190
	1200	364T	93.0	EW0406FFA	\$ 7880
50	3600	326TS	92.4	EW0502FFA	\$ 5494
	1800	326T	93.0	EW0504FFA	\$ 5438
	1200	365T	93.0	EW0506FFA	\$ 9106
60	3600	364TS	93.0	EW0602FFA	\$ 8152
	1800	364T	93.6	EW0604FFA	\$ 7424
	1200	404T	93.6	EW0606FFA	\$ 9894
75	3600	365TS	93.0	EW0752FFA	\$10838
	1800	365T	94.1	EW0754FFA	\$ 9036
	1200	405T	93.6	EW0756FFA	\$12438
100	3600	405TS	93.6	EW1002FFA	\$13170
	1800	405T	94.5	EW1004FFA	\$11916
	1200	444T	94.1	EW1006FFA	\$17072
125	3600	444TS	94.5	EW1252FFI	\$18258
	1800	444T	94.5	EW1254FFI	\$16154
	1200	445T	94.1	EW1256FFI	\$21858
150	3600	445TS	94.5	EW1502FFI	\$22158
	1800	445T	95.0	EW1504FFI	\$21800
	1200	447TZ	95.0	EW1506FFI	\$24354
200	3600	447TS	95.0	EW2002FFB	\$25854
	1800	447T	95.0	EW2004FFB	\$23634
	1200	449TZ	95.0	EW2006FFB	\$34588

Shaded Models Cast Iron Construction

**Totally Enclosed Fan Cooled
Three Phase Motors – EISA 2007 PREMIUM
EFFICIENT Rated
60 Hz. – 230/460 Volt**

HP	RPM	Frame	Eff. %	Model Number	List Price
40	3600	324TS	93.0	EH0402FFA	\$ 5282
	1800	324T	95.0	EH0404FFA	\$ 4950
	1200	364T	94.5	EH0406FFA	\$ 8444
50	3600	326TS	93.6	EH0502FFA	\$ 7072
	1800	326T	95.0	EH0504FFA	\$ 6372
	1200	365T	94.5	EH0506FFA	\$ 9758
60	3600	364TS	94.1	EH0602FFA	\$ 8852
	1800	364T	95.0	EH0604FFA	\$ 8708
	1200	404T	95.0	EH0606FFA	\$10802
75	3600	365TS	94.5	EH0752FFA	\$11272
	1800	365T	95.0	EH0754FFA	\$10392
	1200	405T	95.0	EH0756FFA	\$13578
100	3600	405TS	94.5	EH1002FFA	\$16500
	1800	405T	95.0	EH1004FFA	\$12876
	1200	444T	95.0	EH1006FFA	\$18640
125	3600	444TS	94.5	EH1252FFI	\$19262
	1800	444T	95.8	EH1254FFI	\$17636
	1200	445T	95.4	EH1256FFI	\$22950
150	3600	445TS	94.5	EH1502FFI	\$23642
	1800	445T	95.8	EH1504FFI	\$22672
	1200	447TZ	95.8	EH1506FFI	\$26590
200	3600	447TS	95.0	EH2002FFB	\$29620
	1800	447T	96.2	EH2004FFB	\$24858

Shaded Models Cast Iron Construction



**Totally Enclosed Fan Cooled
Three Phase Motors – EPAct Efficient Rated
C-Face Foot Mounted
60 Hz. – 230/460 Volt**

These Models to become Obsolete after Inventory is Depleted *
* Applicable to NEMA Frame 143T and Larger

HP	RPM	Frame	Eff. %	Model Number	List Price
1/2	3600	56C	73.0	NBY052NHA	\$ 364
	3600	56C	75.0	RBY052FHA	\$ 424
	1800	56C	78.0	NBY054NHA	\$ 428
	1800	56C	75.0	RBY054FHA	\$ 482
	1200	56C	74.0	RBY056FHA	\$ 650
3/4	3600	56C	75.0	NBY072NHA	\$ 394
	3600	56C	76.5	RBY072FHA	\$ 462
	1800	56C	81.0	NBY074NHA	\$ 454
	1800	56C	76.0	RBY074FHA	\$ 524
	1200	56C	75.0	RBY076FHA	\$ 682
1	3600	56C	71.0	NB0012FHA	\$ 464
	3600	56C	71.0	RB0012FHA	\$ 488
	1800	56C	81.0	NB0014FHA	\$ 484
	1800	56C	78.0	RB0014FHA	\$ 570
	1800	143TC	82.5	DB0014FHA	\$ 540
	1800	143TC	82.5	EW0014FHA	\$ 668
	1200	56C	75.0	RB0016FHA	\$ 756
1.5	3600	56C	84.0	NBY152FHA	\$ 494
	3600	56C	74.0	RBY152FHA	\$ 516
	3600	143TC	82.5	DBY152FHA	\$ 566
	3600	143TC	82.5	EWY152FHA	\$ 724
	1800	56C	82.0	NBY154FHA	\$ 514
	1800	56C	78.0	RBY154FHA	\$ 602
	1800	145TC	84.0	DBY154FHA	\$ 556
	1800	145TC	84.0	EWY154FHA	\$ 720
	1200	182TC	85.5	EWY156FHA	\$ 848
	2	3600	56C	82.0	NB0022FHA
3600		56C	77.0	RB0022FHA	\$ 616
3600		145TC	84.0	DB0022FHA	\$ 624
3600		145TC	84.0	EW0022FHA	\$ 772
1800		56C	84.0	NB0024FHA	\$ 610
1800		56C	78.0	RB0024FHA	\$ 650
1800		145TC	84.0	DB0024FHA	\$ 564
3	1800	145TC	84.0	EW0024FHA	\$ 750
	1200	184TC	86.5	EW0026FHA	\$1032
	3600	182TC	85.5	DB0032FHA	\$ 782
	3600	182TC	85.5	EW0032FHA	\$ 962
	1800	182TC	87.5	DB0034FHA	\$ 700
	1800	182TC	87.5	EW0034FHA	\$ 978
	1200	213TC	87.5	EW0036FHA	\$1270
5	3600	184TC	87.5	DB0052FHA	\$ 890
	3600	184TC	87.5	EW0052FHA	\$1116
	1800	184TC	87.5	DB0054FHA	\$ 796
	1800	184TC	87.5	EW0054FHA	\$1042
	1200	215TC	87.5	EW0056FHA	\$1694
7.5	3600	213TC	88.5	DBY752FHA	\$1146
	3600	213TC	88.5	EWY752FHA	\$1414
	1800	213TC	89.5	DBY754FHA	\$1018
	1800	213TC	89.5	EWY754FHA	\$1296
1200	254TC	89.5	EWY756FHA	\$2384	

Shaded Models Cast Iron Construction



**Totally Enclosed Fan Cooled
Three Phase Motors – EISA 2007 PREMIUM
EFFICIENT Rated
C-Face Foot Mounted
60 Hz. – 230/460 Volt**

HP	RPM	Frame	Eff. %	Model Number	List Price
1	1800	143TC	85.5	DH0014FHA	\$ 621
	1800	143TC	86.5	JH0014FHA	\$ 822
	1200	145TC	84.0	JH0016FHA	\$ 890
1.5	3600	143TC	84.0	DHY152FHA	\$ 651
	3600	143TC	85.5	JHY152FHA	\$ 806
	1800	145TC	86.5	DHY154FHA	\$ 639
2	1800	145TC	87.5	JHY154FHA	\$ 850
	1200	182TC	87.5	JHY156FHA	\$ 1000
	3600	145TC	85.5	DH0022FHA	\$ 718
	3600	145TC	86.5	JH0022FHA	\$ 832
	1800	145TC	86.5	DH0024FHA	\$ 702
3	1800	145TC	87.5	JH0024FHA	\$ 892
	1200	184TC	88.5	JH0026FHA	\$ 1220
	3600	182TC	86.5	DH0032FHA	\$ 899
	3600	182TC	88.5	JH0032FHA	\$ 1042
	1800	182TC	89.5	DH0034FHA	\$ 805
	1800	182TC	90.2	JH0034FHA	\$ 1060
	1200	213TC	89.5	EH0036FHA	\$ 1376
5	3600	184TC	88.5	DH0052FHA	\$ 1024
	3600	184TC	90.2	JH0052FHA	\$ 1210
	1800	184TC	89.5	DH0054FHA	\$ 915
	1800	184TC	90.2	JH0054FHA	\$ 1130
	1200	215TC	89.5	EH0056FHA	\$ 1794
7.5	3600	213TC	89.5	DHY752FHA	\$ 1318
	3600	213TC	90.2	EHY752FHA	\$ 1536
	1800	213TC	91.7	DHY754FHA	\$ 1171
	1800	213TC	91.0	EHY754FHA	\$ 1404
10	1200	254TC	91.7	EHY756FHA	\$ 2526
	3600	215TC	90.2	DH0102FHA	\$ 1555
	3600	215TC	91.7	EH0102FHA	\$ 1780
	1800	215TC	91.7	DH0104FHA	\$ 1403
	1800	215TC	91.7	EH0104FHA	\$ 1652
15	1200	256TC	91.7	EH0106FHA	\$ 2956
	3600	254TC	91.0	EH0152FHA	\$ 2420
	1800	254TC	92.4	EH0154FHA	\$ 2440
	1200	284TC	92.4	EH0156FHA	\$ 3936
	3600	256TC	91.0	EH0202FHA	\$ 3048
20	1800	256TC	93.0	EH0204FHA	\$ 2912
	1200	286TC	92.4	EH0206FHA	\$ 4880
	3600	284TSC	91.7	EH0252FHA	\$ 3624
25	1800	284TC	93.6	EH0254FHA	\$ 3452
	1200	324TC	93.0	EH0256FHA	\$ 5900
	3600	286TSC	92.4	EH0302FHA	\$ 4248
30	1800	286TC	93.6	EH0304FHA	\$ 3994
	1200	326TC	93.0	EH0306FHA	\$ 6728
	3600	324TSC	93.0	EH0402FHA	\$ 5704
40	1800	324TC	95.0	EH0404FHA	\$ 5704
	3600	326TSC	93.6	EH0502FHA	\$ 7932
50	1800	326TC	95.0	EH0504FHA	\$ 7232
	3600	364TSC	94.1	EH0602FHA	\$ 9766
60	1800	364TC	95.0	EH0604FHA	\$ 9622
	3600	365TSC	94.5	EH0752FHA	\$12952
75	1800	365TC	95.0	EH0754FHA	\$11306

Shaded Models Cast Iron Construction



**Totally Enclosed Fan Cooled
Three Phase Motors – EPAct Efficient Rated
C-Face Foot Mounted
60 Hz. – 230/460 Volt**

These Models to become Obsolete after Inventory is Depleted

HP	RPM	Frame	Eff. %	Model Number	List Price
10	3600	215TC	89.5	DB0102FHA	\$ 1352
	3600	215TC	89.5	EW0102FHA	\$ 1642
	1800	215TC	89.5	DB0104FHA	\$ 1220
	1800	215TC	89.5	EW0104FHA	\$ 1524
	1200	256TC	89.5	EW0106FHA	\$ 2788
15	3600	254TC	90.2	EW0152FHA	\$ 2282
	1800	254TC	91.0	EW0154FHA	\$ 2252
	1200	284TC	90.2	EW0156FHA	\$ 3716
20	3600	256TC	90.2	EW0202FHA	\$ 2810
	1800	256TC	91.0	EW0204FHA	\$ 2684
	1200	286TC	90.2	EW0206FHA	\$ 4606
25	3600	284TSC	91.0	EW0252FHA	\$ 3500
	1800	284TC	92.4	EW0254FHA	\$ 3308
	1200	324TC	91.7	EW0256FHA	\$ 5696
30	3600	286TSC	91.0	EW0302FHA	\$ 4010
	1800	286TC	92.4	EW0304FHA	\$ 3770
	1200	326TC	91.7	EW0306FHA	\$ 6352
40	3600	324TSC	91.7	EW0402FHA	\$ 5384
	1800	324TC	93.0	EW0404FHA	\$ 5048
50	3600	326TSC	92.4	EW0502FHA	\$ 6352
	1800	326TC	93.0	EW0504FHA	\$ 6294
60	3600	364TSC	93.0	EW0602FHA	\$ 9040
	1800	364TC	93.6	EW0604FHA	\$ 8312
75	3600	365TSC	93.0	EW0752FHA	\$ 11726
	1800	365TC	94.1	EW0754FHA	\$ 9920

Shaded Models Cast Iron Construction



**Totally Enclosed Fan Cooled
Three Phase Motors – EISA Energy Rated
Close Coupled Style JM Pump Mount
60 Hz. – 230/460 Volt**

HP	RPM	Frame	Eff. %	Model Number	List Price
1	1800	143JM	82.5	EW0014FJA	\$1106
1.5	3600	143JM	82.5	EWY152FJA	\$1106
	1800	145JM	82.5	EWY154FJA	\$1106
2	3600	145JM	84.0	EW0022FJA	\$1202
	1800	145JM	84.0	EW0024FJA	\$1182
3	3600	182JM	85.5	EW0032FJA	\$1360
	1800	182JM	87.5	EW0034FJA	\$1376
5	3600	184JM	87.5	EW0052FJA	\$1500
	1800	184JM	87.5	EW0054FJA	\$1432
7.5	3600	213JM	88.5	EWY752FJA	\$1872
	1800	213JM	88.5	EWY754FJA	\$1758
10	3600	215JM	89.5	EW0102FJA	\$2046
	1800	215JM	89.5	EW0104FJA	\$1936
15	3600	254JM	90.2	EW0152FJA	\$2888
	1800	254JM	91.0	EW0154FJA	\$2854
20	3600	256JM	90.2	EW0202FJA	\$3374
	1800	256JM	91.0	EW0204FJA	\$3268
25	3600	284JM	91.0	EW0252FJA	\$4328
	1800	284JM	92.4	EW0254FJA	\$4146
30	3600	286JM	91.0	EW0302FJA	\$4792
	1800	286JM	92.4	EW0304FJA	\$4570
40	3600	324JM	91.7	EW0402FJA	\$6398
	1800	324JM	93.0	EW0404FJA	\$6086
50	3600	326JM	92.4	EW0502FJA	\$7288
	1800	326JM	93.0	EW0504FJA	\$7236



**Totally Enclosed Fan Cooled
Single Phase Motors – Standard Efficient
C-Face Foot Mounted
60Hz. – 115/230 Volt**

HP	RPM	Frame	Model Number	List Price
1/3	1800	56C	NBY034FHW	\$ 406
1/2	1800	56C	NBY054FHW	\$ 466
3/4	1800	56C	NBY074FHW	\$ 546
1	1800	56C	NB0014FHW	\$ 622

**Totally Enclosed Fan Cooled
Single Phase Motors – Standard Efficient
C-Face Footless
60Hz. – 115/230 Volt**

HP	RPM	Frame	Model Number	List Price
1/3	1800	56C	NBY034FCW	\$ 380
1/2	1800	56C	NBY054FCW	\$ 440
3/4	1800	56C	NBY074FCW	\$ 520
1	1800	56C	NB0014FCW	\$ 596



**Totally Enclosed Fan Cooled
Three Phase Motors – Standard Efficient
C-Face Footless 60Hz. – 230/460 Volt**

These Models to become Obsolete after Inventory is Depleted *

HP	RPM	Frame	Eff. %	Model Number	List Price
1/3	1800	56C	72.5	NBY034NCA	
	1800	56C	72.5	NBY034FCA	\$ 376
	1800	56C	72.5	RBY034FCA	\$ 436
1/2	1200	56C	66.5	RBY036FCA	\$ 590
	1800	56C	74.0	NBY054NCA	\$ 410
	1800	56C	74.0	NBY054FCA	\$ 416
3/4	1800	56C	74.0	RBY054FCA	\$ 478
	1200	56C	72.5	RBY056FCA	\$ 646
	1800	56C	74.5	NBY074NCA	\$ 448
1	1800	56C	74.5	NBY074FCA	\$ 454
	1800	56C	74.5	RBY074FCA	\$ 520
	1200	56C	76.5	RBY076FCA	\$ 678
1.5	1800	56C	77.5	NB0014FCA	\$ 494
	1800	56C	77.5	RB0014FCA	\$ 566
	1800	143TC	75.5	JB0014FCA	\$ 476
2	1200	56C	78.5	RB0016FCA	\$ 752
	1200	145TC	77.0	JB0016FCA	\$ 616
	1800	56C	83.5	NBY154FCA	\$ 522
2.5	1800	56C	83.5	RBY154FCA	\$ 598
	1800	145TC	77.0	JBY154FCA	\$ 518
	1200	182TC	80.0	JBY156FCA	\$ 786
3	1800	56C	85.5	NB0024FCA	\$ 562
	1800	56C	85.5	RB0024FCA	\$ 646
	1800	145TC	78.5	JB0024FCA	\$ 544
4	1200	184TC	82.5	JB0026FCA	\$ 812
	1800	182TC	82.5	JB0034FCA	\$ 750
	1800	184TC	84.0	JB0054FCA	\$ 824
5	1800	184TC	84.0	JB0054FCA	\$ 824
7.5	1800	213TC	85.5	EBY754FCA	\$1088
10	1800	215TC	87.5	EB0104FCA	\$1404
15	1800	254TC	89.5	EB0154FCA	\$2250
20	1800	256TC	90.2	EB0204FCA	\$2658
25	1800	284TC	89.5	EB0254FCA	\$3252
30	1800	286TC	90.2	EB0304FCA	\$3728
40	1800	324TC	91.0	EB0404FCA	\$5150
50	1800	326TC	91.7	EB0504FCA	\$6108

* Applicable to NEMA Frame 143T and Larger

**Totally Enclosed Fan Cooled
Three Phase Motors – EISA Energy Rated
C-Face Footless 60Hz. – 230/460 Volt**

HP	RPM	Frame	Eff. %	Model Number	List Price
1	1800	143TC	82.0	DB0014FCA	\$ 494
	1800	143TC	82.5	EW0014FCA	\$ 514
1.5	1800	145TC	84.0	DBY154FCA	\$ 522
	1800	145TC	84.0	EWY154FCA	\$ 559
2	1800	145TC	84.0	DB0024FCA	\$ 562
	1800	145TC	84.0	EW0024FCA	\$ 588
3	1800	182TC	87.5	DB0034FCA	\$ 624
	1800	182TC	87.5	EW0034FCA	\$ 810
5	1800	184TC	87.5	DB0054FCA	\$ 714
	1800	184TC	87.5	EW0054FCA	\$ 890
7.5	1800	213TC	89.5	DBY754FCA	\$ 964
	1800	213TC	89.5	EWY754FCA	\$1175
10	1800	215TC	89.5	DB0104FCA	\$1160
	1800	215TC	89.5	EW0104FCA	\$1516

Shaded Models Cast Iron Construction

**Totally Enclosed Fan Cooled
Three Phase Motors – EISA Energy Rated
C-Face Footless 60Hz. – 230/460 Volt**

HP	RPM	Frame	Eff. %	Model Number	List Price
15	1800	254TC	91.0	EW0154FCA	\$2430
20	1800	256TC	91.0	EW0204FCA	\$2870
25	1800	284TC	92.4	EW0254FCA	\$3512
30	1800	286TC	92.4	EW0304FCA	\$4026
40	1800	324TC	93.0	EW0404FCA	\$5562
50	1800	326TC	93.0	EW0504FCA	\$6597

Shaded Models Cast Iron Construction

**Totally Enclosed Fan Cooled
Three Phase Motors – PREMIUM EFFICIENT
C-Face Footless 60Hz. – 230/460 Volt**

HP	RPM	Frame	Eff. %	Model Number	List Price
1	1800	143TC	85.5	DH0014FCA	\$ 568
	1800	143TC	86.5	JH0014FCA	\$ 548
	1200	145TC	82.5	DH0016FCA	\$ 612
1.5	1200	145TC	84.0	JH0016FCA	\$ 708
	1800	145TC	86.5	DHY154FCA	\$ 600
	1800	145TC	87.5	JHY154FCA	\$ 596
2	1200	182TC	87.5	DHY156FCA	\$ 750
	1200	182TC	87.5	JHY156FCA	\$ 825
	1800	145TC	86.5	DH0024FCA	\$ 646
2.5	1800	145TC	87.5	JH0024FCA	\$ 628
	1200	184TC	88.5	DH0026FCA	\$ 787
	1200	184TC	88.5	JH0026FCA	\$ 886
3	1800	182TC	89.5	DH0034FCA	\$ 718
	1800	182TC	90.2	JH0034FCA	\$ 864
	1200	213TC	89.5	DH0036FCA	\$1039
4	1200	213TC	89.5	EH0036FCA	\$1127
	1800	184TC	89.5	DH0054FCA	\$ 821
	1800	184TC	90.2	JH0054FCA	\$ 948
5	1200	215TC	89.5	DH0056FCA	\$1472
	1200	215TC	89.5	EH0056FCA	\$1633
	1800	213TC	91.7	DHY754FCA	\$1109
7.5	1800	213TC	91.7	EHY754FCA	\$1250
	1200	254TC	91.7	EHY756FCA	\$2295
	1800	213TC	91.7	DH0104FCA	\$1435
10	1800	213TC	91.7	EH0104FCA	\$1614
	1200	256TC	91.7	EH0106FCA	\$2792
	1800	254TC	92.4	EH0154FCA	\$2590
20	1800	256TC	93.0	EH0204FCA	\$3058

Shaded Models Cast Iron Construction



**Totally Enclosed Fan Cooled
Three Phase Motors –Standard Efficient
Foot Mounted Brakemotor 60Hz. – 230/460 Volt**

These Models to become Obsolete after Inventory is Depleted *

HP	RPM	Frame	Eff. %	Model Number	List Price
1	1800	B143T	77.0	JB0014FSA003S	\$1138
	1800	B143T	77.0	JB0014FSA006S	\$1154
1.5	1800	B145T	80.0	JB0014FSA010S	\$1222
	1800	B145T	80.0	JB0014FSA015S	\$1292
2	1800	B145T	82.5	JB0024FSA006S	\$1254
	1800	B145T	82.5	JB0024FSA010S	\$1316
3	1800	B182T	82.5	JB0034FSA010S	\$1988
	1800	B182T	82.5	JB0034FSA015S	\$2020
5	1800	B184T	84.0	JB0054FSA015S	\$2210
	1800	B184T	84.0	JB0054FSA025S	\$2732
7.5	1800	B213T	86.5	EBY754FSA025S	\$3154
	1800	B213T	86.5	EBY754FSA035S	\$3340
10	1800	B215T	87.5	EB0104FSA035S	\$3594
	1800	B215T	87.5	EB0104FSA050S	\$4644
15	1800	B254T	88.5	EB0154FSA050S	\$4912
	1800	B254T	88.5	EB0154FSA075S	\$5672
20	1800	B256T	89.5	EB0204FSA075S	\$5784
	1800	B256T	89.5	EB0204FSA105S	\$7318
25	1800	B284T	88.5	EB0254FSA075S	\$7598
	1800	B284T	88.5	EB0254FSA105S	\$8538
30	1800	B286T	88.5	EB0304FSA105S	\$9528

Shaded Models Cast Iron Construction

**Totally Enclosed Fan Cooled
Three Phase Motors –EISA Energy Rated
Foot Mounted Brakemotor 60Hz. – 230/460 Volt**

HP	RPM	Frame	Eff. %	Model Number	List Price
1	1800	B143T	82.0	DB0014FSA003S	\$ 1192
	1800	B143T	82.0	DB0014FSA006S	\$ 1210
1.5	1800	B145T	84.0	DBY154FSA006S	\$ 1233
	1800	B145T	84.0	DBY154FSA010S	\$ 1309
2	1800	B145T	84.0	DB0024FSA006S	\$ 1252
	1800	B145T	84.0	DB0024FSA010S	\$ 1319
3	1800	B182T	87.5	DB0034FSA010S	\$ 1985
	1800	B182T	87.5	DB0034FSA015S	\$ 2017
5	1800	B184T	87.5	DB0054FSA015S	\$ 2145
	1800	B184T	87.5	DB0054FSA025S	\$ 2709
7.5	1800	B213T	89.5	DBY754FSA025S	\$ 3127
	1800	B213T	89.5	DBY754FSA035S	\$ 3327
10	1800	B215T	89.5	DB0104FSA035S	\$ 3577
	1800	B215T	89.5	DB0104FSA050S	\$ 4711
15	1800	B254T	91.0	EW0154FSA050S	\$ 5305
	1800	B254T	91.0	EW0154FSA075S	\$ 6126
20	1800	B256T	91.0	EW0204FSA075S	\$ 6246
	1800	B256T	91.0	EW0204FSA105S	\$ 7903
25	1800	B284T	92.4	EW0254FSA075S	\$ 8206
	1800	B284T	92.4	EW0254FSA105S	\$ 9221
30	1800	B286T	92.4	EW0304FSA105S	\$10290

Shaded Models Cast Iron Construction



**Totally Enclosed Fan Cooled
Three Phase Motors –Standard Efficient
C-Face Footless Brakemotor
60Hz. – 230/460 Volt**

These Models to become Obsolete after Inventory is Depleted *

HP	RPM	Frame	Eff. %	Model Number	List Price
1/3	1800	B56C	72.5	RB0014FTA003S	\$ 978
1/2	1800	B56C	74.0	RB0014FTA006S	\$1020
3/4	1800	B56C	74.5	RB0014FTA010S	\$1106
1	1800	B56C	77.5	RB0014FTA015S	\$1152
	1800	B143TC	77.0	JB0014FTA003S	\$1190
	1800	B143TC	77.0	JB0014FTA006S	\$1210
1.5	1800	B56C	83.5	RB0024FTA010S	\$1266
	1800	B145TC	80.0	JB0024FTA006S	\$1288
	1800	B145TC	80.0	JB0024FTA010S	\$1348
2	1800	B56C	85.5	RB0034FTA010S	\$1314
	1800	B145TC	82.5	JB0034FTA006S	\$1308
	1800	B145TC	82.5	JB0034FTA010S	\$1376
3	1800	B182TC	82.5	JB0054FTA010S	\$2072
	1800	B182TC	82.5	JB0054FTA015S	\$2114
5	1800	B184TC	84.0	JB0074FTA015S	\$2288
	1800	B184TC	84.0	JB0074FTA025S	\$2806
7.5	1800	B213TC	86.5	EBY754FTA025S	\$3332
	1800	B213TC	86.5	EBY754FTA035S	\$3510
10	1800	B215TC	87.5	EB0104FTA035S	\$3688
	1800	B215TC	87.5	EB0104FTA050S	\$4776

* Applicable to NEMA Frame 143T and Larger
Shaded Models Cast Iron Construction

**Totally Enclosed Fan Cooled
Three Phase Motors –EISA Energy Rated
C-Face Footless Brakemotor
60Hz. – 230/460 Volt**

HP	RPM	Frame	Eff. %	Model Number	List Price
1	1800	B143T	82.0	DB0014FTA003S	\$ 1248
	1800	B143T	82.0	DB0014FTA006S	\$ 1270
1.5	1800	B145T	84.0	DBY154FTA006S	\$ 1305
	1800	B145T	84.0	DBY154FTA010S	\$ 1369
2	1800	B145T	84.0	DB0024FTA006S	\$ 1310
	1800	B145T	84.0	DB0024FTA010S	\$ 1383
3	1800	B182T	87.5	DB0034FTA010S	\$ 2076
	1800	B182T	87.5	DB0034FTA015S	\$ 2121
5	1800	B184T	87.5	DB0054FTA015S	\$ 2229
	1800	B184T	87.5	DB0054FTA025S	\$ 2789
7.5	1800	B213T	89.5	DBY754FTA025S	\$ 3319
	1800	B213T	89.5	DBY754FTA035S	\$ 3511
10	1800	B215T	89.5	DB0104FTA035S	\$ 3678
	1800	B215T	89.5	DB0104FTA050S	\$ 4854
15	1800	B254T	91.0	EW0154FYA050S+	\$ 5361
	1800	B254T	91.0	EW0154YSA075S+	\$ 6398
20	1800	B256T	91.0	EW0204YSA075S+	\$ 6519
	1800	B256T	91.0	EW0204YSA105S+	\$ 8176
25	1800	B284T	92.4	EW0254YSA075S+	\$ 8614
	1800	B284T	92.4	EW0254YSA105S+	\$ 9630
30	1800	B286T	92.4	EW0304FYA105S+	\$10703

+ C-Face Foot Mounted



**Totally Enclosed Fan Cooled
Three Phase Motors – EPAct Efficient Rated
C-Face Foot Mounted 60Hz. – 230/460 Volt**

These Models to become Obsolete after Inventory is Depleted *

HP	RPM	Frame	Eff. %	Model Number	List Price
1/2	3600	56C	73.0	NBY052MHA+	\$ 526
	1800	56C	78.0	NBY054MHA+	\$ 592
3/4	3600	56C	75.0	NBY072MHA+	\$ 578
	1800	56C	81.0	NBY074MHA+	\$ 684
1	3600	56C	71.0	NB0012PHA	\$ 678
	1800	56C	81.0	NB0014PHA	\$ 716
	1800	143TC	82.5	DB0014PHA	\$ 716
1.5	3600	56C	82.0	NBY152PHA	\$ 750
	3600	143TC	82.5	DBY152PHA	\$ 750
	1800	56C	84.0	NBY154PHA	\$ 744
	1800	145TC	84.0	DBY154PHA	\$ 744
2	3600	56C	82.0	NB0022PHA	\$ 830
	3600	145TC	84.0	DB0022PHA	\$ 882
	1800	56C	84.0	NB0024PHA	\$ 920
	1800	145TC	84.0	DB0024PHA	\$ 920
3	3600	182TC	85.5	DB0032PHA	\$1294
	1800	182TC	87.5	DB0034PHA	\$1210
5	3600	184TC	87.5	DB0052PHA	\$1416
	1800	184TC	87.5	DB0054PHA	\$1370
7.5	3600	213TC	88.5	DBY752PHA	\$1882
	1800	213TC	89.5	DBY754PHA	\$1736
10	3600	215TC	89.5	DB0102PHA	\$2236
	1800	215TC	89.5	DB0104PHA	\$1974
15	3600	254TC	90.2	EW0152PHA	\$3990
	1800	254TC	91.0	EW0154PHA	\$3928
20	3600	256TC	90.2	EW0202PHA	\$4584
	1800	256TC	91.0	EW0204PHA	\$4556
25	3600	284TSC	91.0	EW0252PHA	\$5730
	1800	284TC	92.4	EW0254PHA	\$5558
30	3600	286TSC	91.0	EW0302PHA	\$6704
	1800	286TC	92.4	EW0304PHA	\$6502
40	3600	324TSC	91.7	EW0402PHA	\$9045
	1800	324TC	93.0	EW0404PHA	\$8480

* Applicable to NEMA Frame 143T and Larger
+ **Totally Enclosed Non-Ventilated Enclosure**
Shaded Models Cast Iron Construction

**Totally Enclosed Fan Cooled
Three Phase Motors – EISA 2007 PREMIUM
EFFICIENT Rated
C-Face Foot Mounted 60Hz. – 230/460 Volt**

HP	RPM	Frame	Eff. %	Model Number	List Price
1	1800	143TC	85.5	DH0014PHA	\$ 773
1.5	3600	143TC	84.0	DHY152PHA	\$ 810
	1800	145TC	86.5	DHY154PHA	\$ 804
2	3600	145TC	85.5	DH0022PHA	\$ 953
	1800	145TC	86.5	DH0024PHA	\$ 994
3	3600	182TC	86.5	DH0032PHA	\$1398
	1800	182TC	89.5	DH0034PHA	\$1307
5	3600	184TC	88.5	DH0052PHA	\$1529
	1800	184TC	89.5	DH0054PHA	\$1480
7.5	3600	213TC	89.5	DHY752PHA	\$2033
	1800	213TC	91.7	DHY754PHA	\$1875
10	3600	215TC	90.2	DH0102PHA	\$2415
	1800	215TC	91.7	DH0104PHA	\$2132
15	3600	254TC	91.0	EH0152PHA	\$4110
	1800	254TC	92.4	EH0154PHA	\$4046
20	3600	256TC	91.0	EH0202PHA	\$4720
	1800	256TC	93.0	EH0204PHA	\$4692
25	3600	284TSC	91.7	EH0252PHA	\$5900
	1800	284TC	93.6	EH0254PHA	\$5724
30	3600	286TSC	92.4	EH0302PHA	\$7306
	1800	286TC	93.6	EH0304PHA	\$6910
40	3600	324TSC	93.0	EH0402PHA	\$9811
	1800	324TC	95.0	EH0404PHA	\$9158

Shaded Models Cast Iron Construction

**Totally Enclosed Fan Cooled
Single Phase Motors – Standard Efficient
C-Face Foot Mounted
60Hz. – 115/230 Volt**

HP	RPM	Frame	Model Number	List Price
1/3	1800	56C	NBY034PHW	\$393
1/2	1800	56C	NBY054PHW	\$453
3/4	1800	56C	NBY074PHW	\$533
1	1800	56C	NB0014PHW	\$609

**Totally Enclosed Fan Cooled
Single Phase Motors – Standard Efficient
C-Face Footless
60Hz. – 115/230 Volt**

HP	RPM	Frame	Model Number	List Price
1/3	1800	56C	NBY034PCW	\$499
1/2	1800	56C	NBY054PCW	\$531
3/4	1800	56C	NBY074PCW	\$619
1	1800	56C	NB0014PCW	\$704



**Totally Enclosed Fan Cooled
Three Phase Motors – EISA Energy Rated
C-Face Footless 60Hz. – 230/460 Volt**

HP	RPM	Frame	Eff. %	Model Number	List Price
1/3	1800	56C	76.5	NBY034MCA+^	\$ 496
1/2	1800	56C	78.0	NBY054MCA+^	\$ 576
3/4	1800	56C	81.0	NBY074MCA+^	\$ 666
1	1800	56C	81.0	NB0014PCA^	\$ 696
	1800	143TC	82.5	DB0014PCA	\$ 712
1.5	1800	56C	84.0	NBY154PCA^	\$ 742
	1800	145TC	84.0	DBY154PCA	\$ 742
2	1800	56C	82.0	NB0024PCA^	\$ 844
	1800	145TC	84.0	DB0024PCA	\$ 844
3	1800	182TC	87.5	DB0034PCA	\$1108
5	1800	184TC	87.5	DB0054PCA	\$1256
7.5	1800	213TC	89.5	DBY754PCA	\$1594
10	1800	215TC	89.5	DB0104PCA	\$1808

+ Totally Enclosed Non-Ventilated Enclosure
^ 56 Frame Motors do not apply to EISA Efficiency Regulation



Stainless Steel

**Totally Enclosed Fan Cooled
Three Phase Motors – EPAct Efficient Rated
C-Face Foot Mounted 60Hz. – 230/460 Volt**

HP	RPM	Frame	Eff. %	Model Number	List Price
1/3	3600	56C	55.0	SBY032MHA+^	\$ 596
	1800	56C	77.0	SBY034MHA+^	\$ 668
1/2	3600	56C	77.0	SBY052MHA+^	\$ 612
	1800	56C	78.0	SBY054MHA+^	\$ 688
3/4	3600	56C	67.0	SBY072MHA+^	\$ 672
	1800	56C	81.0	SBY074MHA+^	\$ 796
1	3600	56C	75.5	SB0012PHA^	\$ 788
	3600	143TC	75.5	XB0012PHA	\$ 850
	1800	56C	82.5	SB0014MHA+^	\$ 884
	1800	56C	82.5	SB0014PHA^	\$ 830
	1800	143TC	82.5	XB0014PHA	\$ 892
1.5	3600	56C	81.5	SBY152PHA^	\$ 872
	3600	143TC	82.5	XBY152PHA	\$ 938
	1800	56C	82.5	SBY154PHA^	\$ 866
	1800	145TC	84.0	XBY154PHA	\$ 928
2	3600	56C	84.0	SB0022PHA^	\$ 966
	3600	145TC	84.0	XB0022PHA	\$1124
	1800	56C	84.0	SB0024PHA^	\$ 986
	1800	145TC	84.0	XB0024PHA	\$1102
3	3600	182TC	85.5	XB0032PHA	\$1726
	1800	182TC	87.5	XB0034PHA	\$1656
5	3600	184TC	87.5	XB0052PHA	\$1994
	1800	184TC	87.5	XB0054PHA	\$1914
7.5	3600	213TC	88.5	XBY752PHA	\$3168
	1800	213TC	89.5	XBY754PHA	\$3052
10	3600	215TC	89.5	XB0102PHA	\$3460
	1800	215TC	89.5	XB0104PHA	\$3346
15	3600	254TC	90.2	XB0152PHA	\$4794
	1800	254TC	91.0	XB0154PHA	\$4718
20	3600	256TC	90.2	XB0202PHA	\$5136
	1800	256TC	91.0	XB0204PHA	\$5108

+ Totally Enclosed Non-Ventilated Enclosure
^ 56 Frame Motors do not apply to EISA Efficiency Regulation

**Totally Enclosed Fan Cooled
Three Phase Motors –PREMIUM EFFICIENT
C-Face Footless 60Hz. – 230/460 Volt**

HP	RPM	Frame	Eff. %	Model Number	List Price
1	1800	143TC	85.5	DH0014PCA	\$ 824
1.5	1800	145TC	86.5	DHY154PCA	\$ 853
2	1800	145TC	86.5	DH0024PCA	\$ 971
3	1800	182TC	89.5	DH0034PCA	\$1274
5	1800	184TC	89.5	DH0054PCA	\$1444
7.5	1800	213TC	91.7	DHY754PCA	\$1833
10	1800	215TC	91.7	DH0104PCA	\$2079
15	1800	254TC	92.4	EH0154PCA	\$2668
20	1800	256TC	93.0	EH0204PCA	\$3660



Stainless Steel

**Totally Enclosed Fan Cooled
Three Phase Motors – EISA 2007 PREMIUM
EFFICIENT Rated
C-Face Foot Mounted 60Hz. – 230/460 Volt**

HP	RPM	Frame	Eff. %	Model Number	List Price
1	3600	143TC	77.0	XH0012PHA	\$ 906
	1800	143TC	85.5	XH0014PHA	\$1026
1.5	3600	143TC	84.0	XHY152PHA	\$1079
	1800	145TC	86.5	XHY154PHA	\$1067
2	3600	145TC	85.5	XH0022PHA	\$1293
	1800	145TC	86.5	XH0024PHA	\$1267
3	3600	182TC	86.5	XH0032PHA	\$1985
	1800	182TC	89.5	XH0034PHA	\$1904
5	3600	184TC	88.5	XH0052PHA	\$2293
	1800	184TC	89.5	XH0054PHA	\$2201
7.5	3600	213TC	89.5	XHY752PHA	\$3326
	1800	213TC	91.7	XHY754PHA	\$3205
10	3600	215TC	90.2	XH0102PHA	\$3633
	1800	215TC	91.7	XH0104PHA	\$3513
15	3600	254TC	91.0	XH0152PHA	\$5513
	1800	254TC	92.4	XH0154PHA	\$5426
20	3600	256TC	91.0	XH0202PHA	\$5909
	1800	256TC	93.0	XH0204PHA	\$5874
25	3600	284TSC	91.7	XH0252PHA	\$7098
	1800	284TC	93.6	XH0254PHA	\$6970
30	3600	286TSC	91.7	XH0302PHA	\$7342
	1800	286TC	93.6	XH0304PHA	\$7220



Stainless Steel

**Totally Enclosed Fan Cooled
Three Phase Motors – EAct Efficient Rated ^
C-Face Footless 60 Hz – 230/460 Volt**

HP	RPM	Frame	Eff. %	Model Number	List Price
1/3	1800	56C	77.0	SBY034MCA+^	\$ 664
1/2	1800	56C	78.0	SBY054MCA+^	\$ 682
	1800	56C	80.0	SBY054PCA^	\$ 688
	1200	56C	74.0	SBY056PCA^	\$ 786
	900	56C	70.0	SBY058PCA^	\$ 830
3/4	1800	56C	81.0	SBY074MCA+^	\$ 792
	1200	56C	74.0	SBY076PCA^	\$ 896
1	1800	56C	82.5	SB0014MCA+^	\$ 880
	1800	56C	81.5	SB0014PCA^	\$ 826
	1800	143TC	82.5	XB0014PCA	\$ 852
	1200	56C	80.0	SB0016PCA^	\$ 938
1.5	1800	56C	82.5	SBY154PCA^	\$ 862
	1800	145TC	84.0	XBY154PCA	\$ 888
2	1800	56C	84.0	SB0024PCA^	\$ 982
	1800	145TC	84.0	XB0024PCA	\$1012
3	1800	182TC	87.5	XB0034PCA	\$1616
5	1800	184TC	87.5	XB0054PCA	\$1874
7.5	1800	213TC	89.5	XBY754PCA	\$3016
10	1800	215TC	89.5	XB0104PCA	\$3308

+ Totally Enclosed Non-Ventilated Enclosure
^ 56 Frame Motors do not apply to EISA Efficiency Regulation



Stainless Steel

**Totally Enclosed Fan Cooled
Three Phase Motors – PREMIUM EFFICIENT
C-Face Footless 60Hz. – 230/460 Volt**

HP	RPM	Frame	Eff. %	Model Number	List Price
1	1800	143TC	85.5	XH0014PCA	\$980
1.5	1800	145TC	86.5	XHY154PCA	\$1021
2	1800	145TC	86.5	XH0024PCA	\$1164
3	1800	182TC	89.5	XH0034PCA	\$1858
5	1800	184TC	89.5	XH0054PCA	\$2155
7.5	1800	213TC	91.7	XHY754PCA	\$3167
10	1800	215TC	91.7	XH0104PCA	\$3473



Stainless Steel

**Totally Enclosed Fan Cooled
Three Phase Motors – INVERTER DUTY
(10:1 Constant Torque) Rated
C-Face Foot Mounted 60Hz. – 230/460 Volt**

HP	RPM	Frame	Eff. %	Model Number	List Price
1/2	1800	56C	81.5	SIY054MHI+	\$1664
3/4	1800	56C	80.5	SIY074PHI	\$1884
1	1800	56C	82.5	SI0014PHI	\$1956
	1800	143TC	82.5	XI0014PHI	\$1956
1.5	1800	56C	84.0	SIY154PHI	\$2096
	1800	145TC	84.0	XIY154PHI	\$2096
2	1800	56C	83.5	SI0024PHI	\$2236
	1800	145TC	85.5	XI0024PHI	\$2236
3	1800	182TC	87.5	XI0034PHI	\$2452
5	1800	184TC	87.5	XI0054PHI	\$2856
7.5	1800	213TC	89.5	XIY754PHI	\$4328
10	1800	215TC	89.5	XI0104PHI	\$4944

+ Totally Enclosed Non-Ventilated Enclosure



Stainless Steel

**Totally Enclosed Fan Cooled
Three Phase Motors – INVERTER DUTY
(10:1 Constant Torque) Rated
C-Face Footless 60 Hz – 230/460 Volt**

HP	RPM	Frame	Eff. %	Model Number	List Price
1/2	1800	56C	81.5	SIY0054MCI+	\$1648
3/4	1800	56C	80.5	SIY074PCI	\$1876
1	1800	56C	82.5	SI0014PCI	\$1948
	1800	143TC	82.5	XI0014PCI	\$1948
1.5	1800	56C	84.0	SIY154PCI	\$2080
	1800	145TC	84.0	XIY154PCI	\$2080
2	1800	56C	83.5	SI0024PCI	\$2220
	1800	145TC	85.5	XI0024PCI	\$2220
3	1800	182TC	87.5	XI0034PCI	\$2432
5	1800	184TC	87.5	XI0054PCI	\$2836
7.5	1800	213TC	89.5	XIY754PCI	\$4316
10	1800	215TC	89.5	XI0104PCI	\$4928

+ Totally Enclosed Non-Ventilated Enclosure



Stainless Steel

**Totally Enclosed Fan Cooled
Three Phase Motors – EISA Energy Rated
Close Coupled Style JM Pump Mount
60Hz. – 230/460 Volt**

HP	RPM	Frame	Eff. %	Model Number	List Price
1	1800	143JM	82.5	XB0014PJA	\$ 960
1.5	3600	145JM	82.5	XBY152PJA	\$1012
	1800	145JM	84.0	XBY154PJA	\$ 996
2	3600	145JM	84.0	XB0022PJA	\$1216
	1800	145JM	84.0	XB0024PJA	\$1192
3	3600	182JM	85.5	XB0032PJA	\$1964
	1800	182JM	87.5	XB0034PJA	\$1940
5	3600	184JM	87.5	XB0052PJA	\$2140
	1800	184JM	87.5	XB0054PJA	\$2056
7.5	3600	213JM	88.5	XBY752PJA	\$3540
	1800	213JM	89.5	XBY754PJA	\$3412
10	3600	215JM	89.5	XB0102PJA	\$3856
	1800	215JM	89.5	XB0104PJA	\$3732



Stainless Steel

**Totally Enclosed Fan Cooled
Three Phase Motors – PREMIUM EFFICIENT
Close Coupled Style JM Pump Mount
60Hz. – 230/460 Volt**

HP	RPM	Frame	Eff. %	Model Number	List Price
1	1800	143JM	85.5	XH0014PJA	\$1104
1.5	3600	145JM	84.0	XHY152PJA	\$1164
	1800	145JM	86.5	XHY154PJA	\$1145
2	3600	145JM	85.5	XH0022PJA	\$1398
	1800	145JM	86.5	XH0024PJA	\$1371
3	3600	182JM	86.5	XH0032PJA	\$2259
	1800	182JM	89.5	XH0034PJA	\$2231
5	3600	184JM	88.5	XH0052PJA	\$2461
	1800	184JM	89.5	XH0054PJA	\$2364
7.5	3600	213JM	89.5	XHY752PJA	\$4071
	1800	213JM	91.7	XHY754PJA	\$3924
10	3600	215JM	90.2	XH0102PJA	\$4434
	1800	215JM	91.7	XH0104PJA	\$4292



Stainless Steel

**Totally Enclosed Fan Cooled
Single Phase Motors – Standard Efficient
Foot Mounted 60Hz. – 115/230 Volt**

HP	RPM	Frame	Model Number	List Price
1/2	1800	56	SBY054PFW	\$ 862
3/4	1800	56	SBY074PFW	\$ 912
1	1800	56	SB0014PFW	\$ 936

**Totally Enclosed Fan Cooled
Single Phase Motors – Standard Efficient
C-Face Footless 60Hz. – 115/230 Volt**

HP	RPM	Frame	Model Number	List Price
1/2	1800	56	SBY054PCW	\$ 862
3/4	1800	56	SBY074PCW	\$ 974



Stainless Steel

**Totally Enclosed Fan Cooled
Single Phase Motors – Standard Efficient
C-Face Foot Mounted 60Hz. – 115/230 Volt**

HP	RPM	Frame	Model Number	List Price
1/2	1800	56	SBY054PHW	\$ 868
3/4	1800	56	SBY074PHW	\$ 974
1	1800	56	SB0014PHW	\$ 996

**Totally Enclosed Fan Cooled
Single Phase Motors – Standard Efficient
C-Face Footless Jet Pump 60Hz. – 115/230 Volt**

HP	RPM	Frame	Model Number	List Price
3/4	3600	56J	SBY072PJW	\$1070
1.5	3600	56J	SBY152PJW	\$1092

All accessory parts listed are available from Sterling Electric's inventory for customer mounting.

Cast Iron Conduit Boxes

Parts include diagonally split conduit box, gasket and mounting hardware.



Motor Frame	Model Number	List Price
140T	J14CITBK	\$ 58
180T	J14CITBK	\$ 58
210T	E21CITBK	\$ 78
250T	E25CITBK	\$162
280T	E28CITBK	\$188
320T	E32CITBK	\$240
360T	E36CITBK	\$260
400T	E40CITBK	\$260
440T	E44CITBK	\$300

Drip Cover (Canopy)

Parts consist of fan guard with Drip Cover. Existing hardware is utilized for mounting.



Motor Frame	Model Number	List Price
140T	J140CICK	\$156
180T	J180CICK	\$164
210T	EH21CICK	\$240
250T	E250CICK	\$280
280T	E280CICK	\$396
320T	E320CICK	\$430

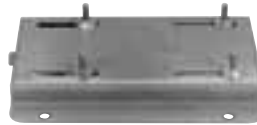
Cast Iron Fan Guards

Parts consist of fan guard. Existing hardware is utilized for mounting.



Motor Frame	Model Number	List Price
140T	J140CIFG	\$ 98
180T	J180CIFG	\$ 98
210T	EH21CIFG	\$142
250T	E250CIFG	\$188
280T	E280CIFG	\$256
320T	E320CIFG	\$360
360T	E360CIFG	\$396
400T	E400CIFG	\$670
440T	E440CIFG	\$978

Adjustable Motor Bases



Motor Frame	Model Number	List Price
143T	49950143	\$ 58
145T	49950145	\$ 58
182T	49950182	\$ 66
184T	49950184	\$ 66
213T	49950213	\$ 86
215T	49950215	\$ 86
254T	49950254	\$146
256T	49950256	\$146
284T	49950284	\$160
286T	49950286	\$160
324T	49950324	\$216
326T	49950326	\$216
364T	49950364	\$272
365T	49950365	\$272
404T	49950404	\$404
405T	49950405	\$404
444T	49950444	\$504
445T	49950445	\$504

TEFC C-Face (Standard) Brackets

Parts consist of C-Face Bracket. Existing hardware is utilized for mounting.



Motor Frame	Model Number	List Price
140T	J or E140CBKT	\$102
180T	J or E180CBKT	\$132
210T	EH21CBKT	\$158
250T	E250CBKT	\$252
280T	E280CBKT	\$376
320T	E320CBKT	\$602

TEFC C-Face (Locked Bearing) Brackets

Parts consist of C-Face Bracket, Bearing Clamp and Clamp mounting hardware.



Motor Frame	Model Number	List Price
140T	J or E140TCLB	\$128
180T	J or E180TCLB	\$158
210T	EH21TCLB	\$178
250T	E250TCLB	\$286
280T	E280TCLB	\$416
320T	E320TCLB	\$636
360TS	E36TCLB2	\$690
360T	E36TCLB4	\$690
400T	E40TCLB4	\$1060
440T	E44TCLB4	\$1300

Conversion Motor Bases

Converts NEMA "U" Frame Motors to current "T" Frame Mounting Dimensions.



Converts Mounting From		To	Model Number	List Price
182/184	143/145T	49951814	\$ 54	
213/215	182/184T	49952118	\$ 78	
254/256U	213/215T	49952521	\$ 90	
284/286U	254/256T	49952825	\$122	
324/326U	284/286T	49953228	\$162	
364/365U	324/326T	49953632	\$212	
404/405U	364/365T	49954036	\$284	
444/445U	404/405T	49954440	\$362	

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Performance Data

Frame 56 and C-Face Footless (Frame 140-210TC)

Models with Prefix DB, NB, RB, SB, XB

HP	Full Load RPM	Frame	Full Load Amps @ 230V	Locked Rotor Amps @ 230V	EFFICIENCY			POWER FACTOR			F.L. Ft. Lbs.	Locked Rotor %	Break-Down %
					Full Load	3/4 Load	1/2 Load	Full Load	3/4 Load	1/2 Load			
.33	1730	56C	1.36	7.2	70.0	66.0	61.0	65.0	55.0	44.0	1.01	220	300
.50	3460	56C	1.50	11.4	73.0	69.7	62.8	85.5	79.8	70.0	1.52	250	350
	1730	56C	1.70	11.5	80.0	79.8	75.0	69.0	59.0	46.0	1.50	270	360
	1170	56C	2.00	8.20	74.0	73.5	68.4	65.4	56.0	43.0	2.32	170	250
.75	3460	56C	2.20	18.0	74.0	72.8	66.6	85.0	78.4	68.0	1.12	250	350
	1730	56C	2.20	14.0	81.5	80.9	77.9	78.7	71.0	59.1	2.26	230	320
	1170	56C	3.20	13.0	74.0	71.4	66.0	58.0	51.0	40.0	3.47	200	280
1	3445	56C	3.10	19.0	71.0	67.5	60.0	83.0	77.0	66.0	1.51	240	250
	1720	56C	3.30	21.0	79.0	77.4	73.5	72.9	63.0	49.0	3.00	250	330
	1720	143TC	3.00	25.0	82.5	82.0	79.5	75.4	66.6	53.5	3.00	250	380
1.5	3460	56C	4.30	28.0	74.0	72.0	66.0	88.0	83.4	73.3	2.27	220	280
	1720	56C	4.50	28.5	80.5	79.5	73.7	78.0	69.0	54.0	4.52	250	300
	1720	145TC	4.50	35.0	84.0	83.0	79.0	76.6	69.0	54.0	4.51	280	350
2	3460	56C	5.80	43.1	78.0	76.0	70.0	82.0	76.4	65.0	3.02	220	320
	1735	56C	6.00	45.0	82.0	80.5	78.0	77.0	68.0	54.0	6.10	250	330
	1735	145TC	5.60	40.5	84.0	83.8	83.5	85.6	77.9	64.0	6.10	200	300
3	1745	182TC	8.00	62.0	87.5	86.8	84.0	81.3	74.5	63.5	8.97	220	300
5	1745	184TC	13.4	111	87.5	87.2	85.0	80.4	74.0	62.5	14.94	250	350
7.5	1725	213TC	19.6	134	89.5	89.5	88.5	79.9	73.7	62.0	22.26	200	300
10	1735	215TC	25.8	190	89.5	89.6	89.0	81.0	74.9	63.6	29.86	200	300

EISA 2007 NEMA Premium Efficient

Models with Prefix DH or XH

HP	Full Load RPM	Frame	Full Load Amps @ 230V	Locked Rotor Amps @ 230V	EFFICIENCY			POWER FACTOR			F.L. Ft. Lbs.	Locked Rotor %	Break-Down %
					Full Load	3/4 Load	1/2 Load	Full Load	3/4 Load	1/2 Load			
1	1800	143T/TC	3.0	23.2	85.5	84.0	80.1	76.2	67.6	54.0	3.00	250	360
1.5	3600	143T/TC	3.8	33.9	84.0	83.5	80.0	90.2	86.0	79.0	2.25	280	350
	1800	145T/TC	4.2	33.5	86.5	86.1	83.0	81.0	73.4	60.5	4.51	230	340
2	3600	145T/TC	5.0	50.0	85.5	84.5	80.5	84.7	77.0	66.0	6.00	250	350
	1800	145T/TC	5.2	43.1	86.5	86.3	84.5	82.5	76.0	62.8	6.00	200	320
3	3600	182T/TC	7.4	72.0	86.5	86.3	84.2	88.5	84.0	75.5	4.47	250	350
	1800	182T/TC	7.8	62.0	89.5	87.5	85.5	81.3	74.5	63.5	8.97	220	300
5	3600	184T/TC	11.6	101	88.5	87.9	86.5	92.4	87.8	82.8	7.46	220	320
	1800	184T/TC	13.2	104	89.5	89.0	85.8	80.4	74.0	62.5	14.9	250	350
7.5	3600	213T/TC	17.2	142	89.5	89.0	87.2	92.1	92.0	88.7	11.2	200	300
	1800	213T/TC	18.0	125	91.7	91.2	90.3	86.0	82.5	74.5	22.3	180	250
10	3600	215T/TC	22.4	196	90.2	90.0	89.0	93.5	92.0	89.0	14.9	200	320
	1800	215T/TC	24.4	176	91.7	91.3	90.0	84.8	79.4	70.5	29.7	180	280

Performance Data

EISA 2007 NEMA Premium Efficient – TEFC Enclosure

Models with Prefix JH or EH

HP	Full Load RPM	Frame	Full Load Amps @ 230V	Locked Rotor Amps @ 230V	EFFICIENCY			POWER FACTOR			F.L. Ft. Lbs.	Locked Rotor %	Break-Down %
					Full Load	3/4 Load	1/2 Load	Full Load	3/4 Load	1/2 Load			
1	1730	143T/TC	2.8	21	86.5	86.5	82.5	78.0	71.5	58.5	3	290	310
	1140	145T/TC	3.4	21	84.0	84.2	80.0	66.0	58.0	45.5	4.6	255	300
1.5	3470	143T/TC	3.8	32	85.5	85.5	83.5	88.5	84.0	75.5	2.3	250	310
	1730	145T/TC	4.2	32	87.5	87.7	86.0	78.5	72.0	60.0	4.5	300	320
2	1165	182T/TC	4.8	35	87.5	87.8	85.5	68.0	60.0	46.0	6.8	270	280
	3475	145T/TC	5.0	48	86.5	86.8	85.5	89.0	86.0	77.0	3.0	250	315
	1730	145T/TC	5.6	43	87.5	87.7	85.5	78.0	71.0	60.0	6.1	300	340
3	1165	184T/TC	5.8	46	88.5	88.7	86.5	73.0	65.5	53.0	9.0	250	310
	3505	182T/TC	7.2	64	88.5	88.7	87.0	90.0	87.0	80.0	4.5	210	290
	1745	182T/TC	7.8	64	90.2	90.3	89.0	81.0	75.0	63.5	9.0	260	310
5	1170	213T/TC	8.6	60	89.5	89.7	87.0	75.0	66.5	53.0	13.5	240	300
	3505	184T/TC	11.6	92	90.2	90.5	89.0	90.5	88.0	81.0	7.5	210	300
	1745	184T/TC	12.8	92	90.2	90.4	89.1	82.5	77.0	66.0	15.1	260	300
7.5	1170	215T/TC	13.8	92	89.5	89.8	87.5	78.0	71.0	60.0	22.5	240	300
	3500	213T/TC	18.0	127	90.2	90.5	89.5	88.0	85.5	79.0	11.3	200	270
	1750	213T/TC	18.2	127	91.7	91.3	90.2	86.0	83.0	74.0	22.5	230	260
10	1170	254T/TC	20.2	127	91.7	92.0	91.5	77.0	72.0	61.5	33.7	200	240
	3500	215T/TC	23.0	162	91.7	91.9	90.5	89.0	87.0	83.5	15.0	220	270
	1750	215T/TC	23.8	162	91.7	91.9	90.5	87.0	84.0	75.0	30.0	225	255
15	1170	256T/TC	26.4	162	91.7	92.1	91.7	79.0	74.5	65.0	44.9	200	240
	3510	254T/TC	34.6	232	91.0	91.0	90.2	91.0	90.0	86.0	22.5	210	270
	1760	254T/TC	37.0	232	92.4	92.7	92.5	83.0	80.0	72.5	44.8	210	230
20	1170	284T/TC	38.8	232	92.4	92.6	91.3	80.0	75.5	66.3	67.3	210	230
	3510	256T/TC	46.0	290	91.0	91.4	90.5	91.0	90.0	87.5	29.9	210	280
	1760	256T/TC	49.0	290	93.0	93.4	91.5	83.5	79.5	71.5	59.7	220	235
25	1170	286T/TC	51.0	290	92.4	92.8	91.5	81.0	78.0	70.0	89.8	210	225
	3520	284TS	57.4	365	91.7	91.7	91.4	90.5	90.0	87.0	37.3	230	250
	1765	284T	60.0	365	93.6	93.8	93.2	84.0	81.0	73.0	74.4	200	220
30	1175	324T	60.4	365	93.0	93.1	92.2	85.0	81.0	71.0	111.8	210	250
	3525	286TS	68.2	435	92.4	92.7	91.7	91.0	90.0	87.0	44.7	235	260
	1765	286T	72.0	435	93.6	93.9	92.5	84.0	81.5	75.0	89.3	200	230
40	1175	326T	72.0	435	93.0	93.3	92.5	85.5	81.5	72.0	134.1	215	255
	3530	324TS	93.4	580	93.0	93.3	92.4	88.0	87.0	83.0	59.5	180	240
	1770	324T	94.8	580	95.0	95.3	94.4	84.5	82.0	76.0	118.7	200	215
50	1180	364T	96.0	580	94.5	94.7	93.7	84.0	82.0	75.0	178.1	200	220
	3550	326TS	114	725	93.6	93.8	92.5	88.5	87.0	83.0	74.4	180	240
	1770	326T	118.	725	95.0	95.6	94.5	84.5	82.5	75.0	148.4	200	220
60	1180	365T	120	725	94.5	94.8	94.3	84.0	83.0	75.5	222.6	200	230
	3565	364TS	136	870	94.1	94.3	93.5	89.0	86.0	80.5	88.5	160	220
	1770	364T	143	870	95.0	95.2	94.3	84.0	81.0	78.0	178.0	200	240
75	1180	404T	148	870	95.0	95.1	94.3	82.0	79.5	72.0	267.1	200	240
	3565	365TS	168	1085	94.5	94.6	93.5	89.0	87.5	83.5	110.6	160	220
	1770	365T	180	1085	95.4	95.3	94.5	84.0	81.4	75.5	222.6	200	240
100	1180	405T	181	1085	95.0	95.3	94.5	83.0	80.5	73.0	333.8	200	240
	3540	405TS	228	1450	94.5	94.5	93.4	88.0	87.0	82.5	148.4	160	240
	1775	405T	240	1450	95.4	95.3	93.5	83.0	78.0	67.0	295.9	200	250
125	1180	444T	242	1450	95.0	95.1	94.2	82.5	80.5	73.0	445.1	200	250
	3550	444TS	290	1815	95.0	94.7	93.5	86.5	84.5	77.0	184.9	160	220
	1775	444T	286	1815	95.8	96.0	95.0	87.0	85.0	81.0	369.9	180	230
150	1180	445T	300	1815	95.4	95.7	94.5	83.0	81.0	74.0	556.4	200	240
	3550	445TS	346	2170	95.0	94.6	93.6	87.0	84.5	78.0	221.9	160	220
	1780	445T	338	2170	95.8	96.0	95.1	88.0	87.0	83.0	442.6	180	230
200	1180	447T	356	2170	95.8	96.0	95.1	83.5	81.0	73.5	667.7	200	240
	3560	447TS	228	1450	95.4	95.0	93.7	87.5	85.5	79.0	295.1	160	220
	1785	447T	220	1450	96.2	96.4	95.5	89.0	87.5	83.0	590.1	180	230
	1185	449T	234	1450	95.8	95.9	95.0	84.0	82.0	75.0	887.3	190	210

Performance Data

EISA 2007 NEMA Premium Efficient – Open Dripproof Enclosure

Models with Prefix JH or EH

HP	Full Load RPM	Frame	Full Load Amps @ 230V	Locked Rotor Amps @ 230V	EFFICIENCY			POWER FACTOR			F.L. Ft. Lbs.	Locked Rotor %	Break-Down %
					Full Load	3/4 Load	1/2 Load	Full Load	3/4 Load	1/2 Load			
1	1720	143T	3.0	23	84.0	84.0	80.0	79.0	71.0	59.0	3.05	280	320
	1140	145T	3.8	25	81.5	81.5	78.0	63.0	53.0	41.0	4.61	300	330
1.5	3420	143T	4.2	35	82.5	82.7	80.0	83.0	79.0	67.0	2.30	250	310
	1720	145T	4.2	35	85.5	85.7	83.5	80.0	73.0	60.0	4.58	260	310
2	1160	182T	5.2	35	85.5	85.7	83.2	64.0	56.5	44.0	6.79	260	310
	3420	145T	5.4	48	84.0	84.0	82.5	85.0	80.5	69.0	3.07	240	300
	1720	145T	5.4	42	86.5	86.7	84.1	81.0	75.5	64.0	6.09	250	300
3	1160	184T	6.8	45	86.5	86.5	84.5	65.0	57.0	45.0	9.06	250	300
	3425	182T	7.8	64	85.5	85.7	84.7	86.5	81.5	70.5	4.60	230	290
	1725	182T	8.0	60	87.5	88.0	86.7	81.0	76.0	65.0	9.13	240	280
5	1160	213T	8.9	55	88.5	88.5	86.8	73.0	68.0	55.0	13.6	240	270
	3500	184T	12.6	92	88.5	88.7	87.5	86.0	82.0	72.0	7.5	230	290
	1725	184T	13.2	92	88.5	89.0	87.5	82.0	78.0	67.0	15.2	240	300
7.5	1160	215T	14.4	92	89.5	89.7	88.5	74.0	70.0	58.0	22.6	240	260
	3500	213T	18.6	127	88.5	88.7	87.7	87.0	83.0	74.0	11.3	230	300
	1750	213T	18.8	127	90.2	90.4	88.5	84.0	79.0	69.0	22.5	250	280
10	1170	254T	20.4	127	91.7	91.9	90.6	76.0	70.0	60.0	33.7	200	250
	3500	215T	24.8	162	89.5	90.0	88.2	86.0	83.2	76.0	15.0	215	265
	1750	215T	25.0	162	90.2	90.7	88.6	85.0	80.5	71.0	30.0	250	285
15	1170	256T	26.6	162	91.7	92.0	90.8	78.0	74.0	64.0	44.9	200	250
	3500	215T	36.8	232	90.2	90.5	89.6	86.5	84.0	77.0	22.5	210	260
	1765	254T	38.2	232	92.4	92.8	91.7	81.5	77.0	68.0	44.7	220	265
20	1175	284T	40.0	232	92.4	92.7	91.8	79.0	75.0	63.5	67.1	200	230
	3515	254T	47.2	290	91.0	91.4	89.5	89.0	87.5	82.5	29.9	200	245
	1765	256T	50.0	290	93.0	93.4	92.5	82.0	78.5	70.0	59.5	220	260
25	1175	286T	51.6	290	92.4	92.7	91.9	80.0	78.0	68.0	89.4	200	240
	3520	256T	58.0	365	91.7	92.1	91.3	90.0	88.7	84.0	37.3	200	240
	1765	284T	62.0	365	93.0	93.3	92.5	83.0	80.0	71.0	74.4	210	235
30	1175	324T	61.0	365	92.4	92.8	91.5	85.5	82.0	73.6	112	210	240
	3540	284TS	70.8	435	92.4	92.7	91.5	87.5	86.0	81.5	44.5	180	220
	1765	286T	72.4	435	93.6	94.0	92.8	84.5	81.0	73.0	89.3	220	240
40	1175	326T	71.4	435	93.0	93.3	92.7	86.0	82.5	74.0	134	200	235
	3540	286TS	94.0	580	92.4	92.8	91.6	88.0	86.3	82.0	59.4	180	225
	1770	324T	97.0	580	94.1	94.5	93.7	83.0	80.0	72.0	119	200	220
50	1180	364T	98.4	580	94.1	94.3	93.1	82.5	79.5	70.0	178	200	230
	3545	324TS	118	725	93.6	93.6	92.9	86.5	85.5	81.0	74.1	180	220
	1770	326T	121	725	94.1	94.5	93.8	83.5	82.0	75.0	149	200	220
60	1180	365T	123	725	94.1	94.4	93.3	82.5	80.0	70.0	223	200	230
	3555	326TS	140	870	94.1	94.1	92.0	87.0	84.0	79.0	88.7	180	210
	1775	364T	142	870	94.5	94.7	93.5	84.0	80.0	73.0	178	200	240
75	1185	404T	146	870	95.0	95.1	94.0	82.0	79.0	73.0	266	215	230
	3560	364TS	170	1085	94.1	94.1	92.0	88.0	85.0	79.5	111	160	220
	1775	365T	176	1085	95.0	95.2	94.0	85.0	80.5	74.5	222	200	250
100	1185	405T	184	1085	94.5	94.6	93.8	82.0	78.0	71.0	333	210	220
	3565	365TS	226	1450	95.0	95.1	93.5	88.0	85.0	79.0	148	160	220
	1775	404T	230	1450	95.0	95.3	94.2	86.0	83.5	77.0	196	200	240
125	1185	444T	240	1450	95.4	95.6	94.5	82.5	79.5	74.0	444	200	230
	3560	404TS	284	1815	94.5	94.6	92.8	87.5	85.0	81.0	185	160	220
	1775	405T	287	1815	95.4	95.6	94.4	86.0	83.5	77.0	370	180	220
150	1185	445T	303	1815	94.1	94.3	93.0	82.5	80.0	75.0	555	170	225
	3555	405TS	338	2170	95.0	95.0	93.5	88.0	86.0	81.5	222	160	230
	1780	444T	343	2170	95.4	95.5	94.5	86.5	84.0	78.0	443	180	240
200	1185	445T	358	2170	95.0	95.3	93.6	83.0	80.0	74.0	666	170	220
	3560	444TS	225*	1450	95.0	95.0	93.4	88.0	86.0	82.0	295	170	235
	1780	445T	228*	1450	95.4	95.5	94.3	86.5	84.5	79.0	591	180	225

* 460 Volt Only

Inverter Rated Motors

In many instances, Sterling Electric's Premium Efficient NEMA design "B" motor is suitable for applications using solid state, variable frequency, variable voltage controllers (Inverters). To properly select a motor and the proper controller for an application, requires several pieces of information.

Type of Load:	Variable torque, constant torque, constant horsepower
Speed Variation Required:	High speed/low speed
Starting Torque Required:	Applications requiring NEMA design "C" high starting torque may need a special motor and controller design
Duty Cycle:	Hours per day, number of starts and stops, run time at low speeds
Over Hauling Loads:	Can the motor be driven (by the load) above synchronous speed, or in reverse direction ?
Coupling Method:	Direct coupled, sprocket, sheave, pinion/gear

Most variable torque applications with speed ranges of 10:1 (60Hz – 6 Hz), constant torque applications with speed ranges of 7:1 (60Hz – 8.5 Hz) or less, both with inverters that do not produce excessive peak voltages can be serviced by a Premium Efficient Sterling motor -- open dripproof or totally enclosed fan cooled enclosure -- depending upon the location and environment.

Use of standard motors on variable frequency, variable voltage controllers should be limited as follows:

1. Maximum total line distance between the controller and motor is not to exceed 50 Feet.
2. Maximum switching (carrier) frequency of the control is not to exceed 8 kHz.

3600 – RPM motors operating at lower frequencies can become unstable, noisy, and produce "cogging".

Small motors, such as the above will require varying degrees of voltage "boost" or "forcing" in order to produce rated torque at low frequency operation. Refer to NEMA MG1-1998, Part 31.

Note: The use of standard Sterling motors on high switching frequency, IGBT type inverters may void the warranty relating to winding and possible bearing failures. Inverter duty motors are recommended.

DANGER: The maximum allowable speed for these motors is not to exceed the values shown in the table listed below. Operating the motors beyond this speed can cause severe damage to both equipment and personnel. Consult factory for applications that require motor speeds beyond the values listed in the table or larger frame sizes.

Sterling Rolled Steel frame and Stainless Steel frame motors (Model Prefixes NB, DB, SB, XB, DH or XH) can withstand dielectric stresses of 1600 volts, peak voltage terminal to terminal with maximum .5 V/ns dv/dt* rate of rise with no noticeable adverse effect on the insulation system life.

Sterling Cast Iron Frame Premium Efficient motors can withstand dielectric stresses of 1000 volts, peak voltage terminal to terminal with maximum .5 V/ns dv/dt* rate of rise with no noticeable adverse effect on the insulation system life.

Inverters producing peak transient voltages higher than 1000 volts or more rapid rates of rise (dv/dt) should be fitted with inductive damping filters, or a Sterling special inverter duty motor should be used. Refer to Factory for selection assistance.

Frame	Poles	Nominal Speed @ 60Hz.	Maximum Allowable RPM	Frame	Poles	Nominal Speed @ 60Hz.	Maximum Allowable RPM
143-215T	4	1800	5000	324-365T	4	1800	4000
	6	1200	4500		6	1200	3500
284-286T	4	1800	4000	404-449T	4	1800	3500
	6	1200	4000		6	1200	3000

Bearing Sizes

Series NB, DB or DH (TEFC Enclosure)

Frame	Driven	Opp. Driven
56	6205ZZ	6204ZZ
143T	6205ZZ	6204ZZ
145T	6205ZZ	6204ZZ
182T	6306ZZ	6206ZZ
184T	6306ZZ	6206ZZ
213T	6308ZZ	6306ZZ
215T	6308ZZ	6306ZZ

Series SB, XB, DB or DH Sterli-Seal® Washdown Duty

Frame	Driven	Opp. Driven
56	6205LL	6204LL
143T	6205LL	6204LL
145T	6205LL	6204LL
182T	6306LL	6206LL
184T	6306LL	6206LL
213T	6308LL	6306LL
215T	6308LL	6306LL

Series XB or XH Close Coupled Pump Sterli-Seal® Washdown Duty

Frame	Driven	Opp. Driven
143JM	6206LL	6204LL
145JM	6206LL	6204LL
182JM	6207LL	6206LL
184JM	6207LL	6206LL
213JM	6309LL	6306LL
215JM	6309LL	6306LL

Series EW or EH (ODP Enclosure)

Frame	Driven	Opp. Driven
143T	6205ZZ	6204ZZ
145T	6205ZZ	6204ZZ
182T	6306ZZ	6206ZZ
184T	6306ZZ	6206ZZ
213T	6308ZZ	6208ZZ
215T	6309ZZ	6208ZZ
254T	6309ZZ	6208ZZ
256T	6309ZZ	6208ZZ
284TS	6311C3	6211C3
284T	6312ZZ	6211ZZ
286TS	6311C3	6211C3
286T	6311ZZ	6211ZZ
324TS	6312C3	6212C3
324T	6313	6312
326TS	6312C3	6312C3
326T	6313	6212
364TS	6312C3	6312C3
364T	6314	6313
365TS	6313C3	6313C3
365T	6314	6313
404TS	6313C3	6313C3
404T	6317	6317
405T	NU317	6317
444T	NU318	6318

Series EW or EH (TEFC Enclosure)

Frame	Driven	Opp. Driven
143T	6205ZZ	6204ZZ
145T	6205ZZ	6204ZZ
182T	6306ZZ	6206ZZ
184T	6306ZZ	6206ZZ
213T	6308ZZ	6208ZZ
215T	6308ZZ	6208ZZ
254T	6310ZZ	6208ZZ
256T	6310ZZ	6208ZZ
284TS	6310C3	6210C3
284T	6310ZZ	6210ZZ
286TS	6310C3	6210C3
286T	6310ZZ	6210ZZ
324TS	6312C3	6212C3
324T	6312	6212
326TS	6312C3	6312C3
326T	6312	6212
364TS	6312C3	6312C3
364T	NU215	6312
365TS	6312C3	6313
365T	NU215	6312
405TS	6313C3	6313C3
405T	NU218	6313
444TS	6313C3	6313C3
444T	NU220	6315
445TS	6313C3	6313C3
445T	NU220	6315
447TS	6313C3	6313C3
447TZ	NU220	6315

CONNECTION INFORMATION OF STERLING 3-PHASE T-FRAME MOTORS
J AND E SERIES

ODP

HP	3600-RPM				1800-RPM				1200-RPM				
	NUMBER OF LEADS	ACROSS THE LINE START		PART WINDING START	NUMBER OF LEADS	ACROSS THE LINE START		PART WINDING START	NUMBER OF LEADS	ACROSS THE LINE START		PART WINDING START	
		LOW V	HIGH V			LOW V	HIGH V			LOW V	HIGH V		LOW V
0.75 - 3	9	#1	#2	N/A	N/A	N/A	N/A	N/A	9	#1	#2	N/A	N/A
5	9	#1	#2	N/A	N/A	N/A	N/A	N/A	12	#3	#4	#6	#7
7.5	9	#1	#2	N/A	N/A	N/A	N/A	N/A	12	#3	#4	#6	#7
10 - 150	12	#3	#4	#6	#7	N/A	N/A	N/A	12	#3	#4	#6	#7
200	12	-	#8	-	#9	N/A	N/A	-	12	-	#8	-	#9
250	12	-	#8	-	#9	N/A	N/A	-	12	-	#8	-	#9
300 - 400	6	-	#10	-	#11	N/A	N/A	-	12	-	#8	-	#9

TEFC

HP	3600-RPM				1800-RPM				1200-RPM				
	NUMBER OF LEADS	ACROSS THE LINE START		PART WINDING START	NUMBER OF LEADS	ACROSS THE LINE START		PART WINDING START	NUMBER OF LEADS	ACROSS THE LINE START		PART WINDING START	
		LOW V	HIGH V			LOW V	HIGH V			LOW V	HIGH V		LOW V
0.75-3	9	#1	#2	N/A	N/A	N/A	N/A	N/A	9	#1	#2	N/A	N/A
5	9	#1	#2	N/A	N/A	N/A	N/A	N/A	12	#3	#4	#6	#7
7.5 - 150	12	#3	#4	#6	#7	N/A	N/A	N/A	12	#3	#4	#6	#7
200	12	-	#8	-	#9	N/A	N/A	-	12	-	#8	-	#9
200 - 300	6	-	#10	-	#11	N/A	N/A	-	12	-	#8	-	#9

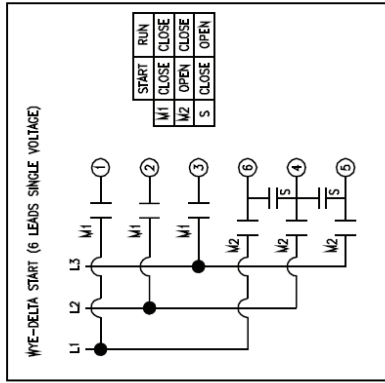
NOTE: FOR SINGLE VOLTAGE 575V UNITS WITH 6-LEADS, REFER TO CONNECTION #10.

CONNECTION INFORMATION OF STERLING 3-PHASE T-FRAME MOTORS
R, S, N, D AND X SERIES (TENV AND TEFC)

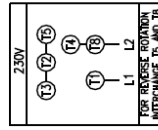
HP	3600-RPM				1800-RPM				1200-RPM				
	NUMBER OF LEADS	ACROSS THE LINE START		PART WINDING START	NUMBER OF LEADS	ACROSS THE LINE START		PART WINDING START	NUMBER OF LEADS	ACROSS THE LINE START		PART WINDING START	
		LOW V	HIGH V			LOW V	HIGH V			LOW V	HIGH V		LOW V
0.33 - 0.75	9	#1	#2	N/A	N/A	N/A	N/A	N/A	9	#1	#2	N/A	N/A
1 - 5	9	#1	#2	N/A	N/A	N/A	N/A	N/A	9	#1	#2	N/A	N/A
7.5 - 10	9	#1	#2	N/A	N/A	N/A	N/A	N/A	9	#1	#2	N/A	N/A

CONNECTION INFORMATION OF STERLING 1-PHASE T-FRAME MOTORS
S, N, D AND X SERIES (TENV AND TEFC)

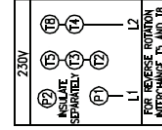
HP	ALL SPEEDS			
	NUMBER OF LEADS	ACROSS THE LINE START		PART WINDING START
		LOW V	HIGH V	
0.25 - 1.5	6	#12	#13	
0.25 - 1.5	7	#14	#15	



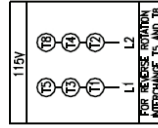
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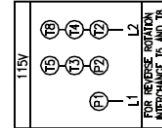
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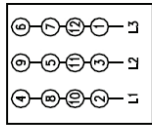
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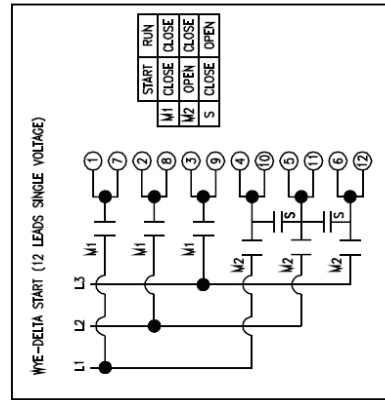
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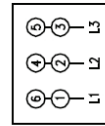
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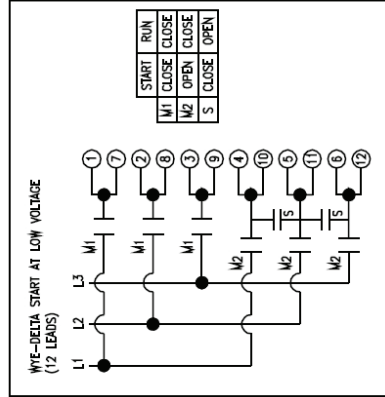
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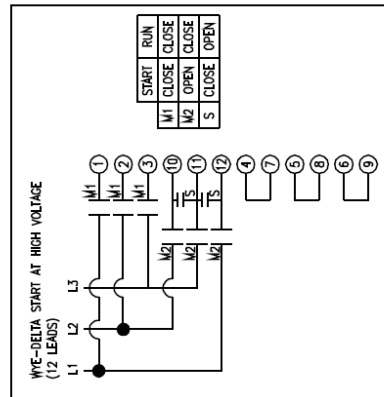
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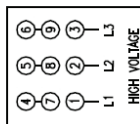
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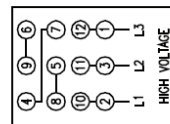
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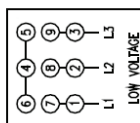
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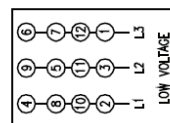
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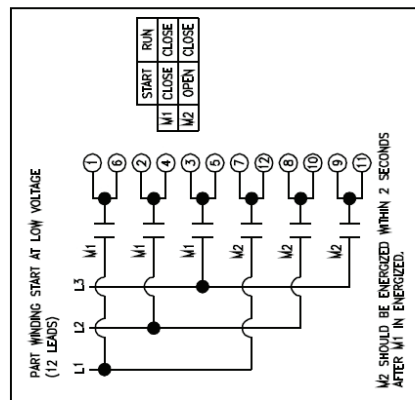
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#2



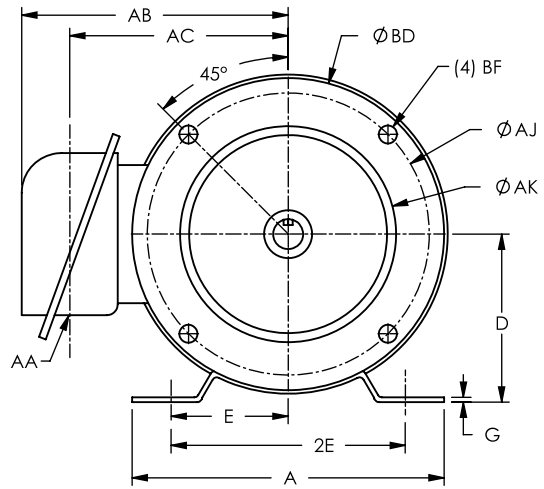
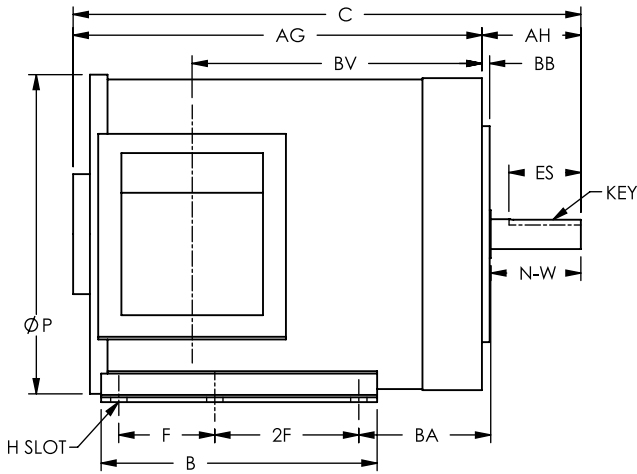
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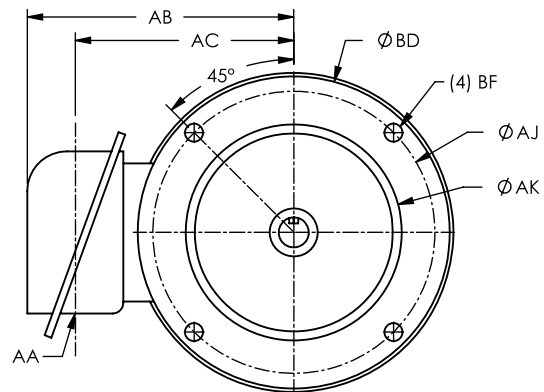
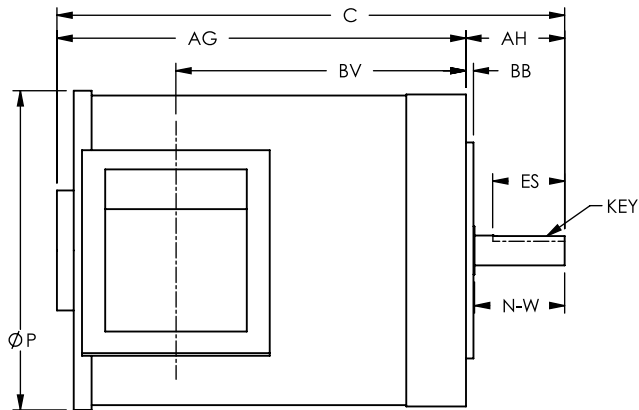
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C-FACE TENV ROLLED STEEL MOTORS

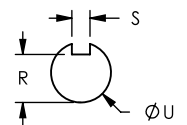
FOOTED



FOOTLESS



SHAFT DETAILS



HP	RPM	FRAME	A	B	C	D	E	2E	F*	2F	G	H	N-W	P	R	S	U
0.50	3600 1800	56C	6.50	3.75	9.60	3.50	2.44	4.88	-	3.00	.10	.79 x .34	1.88	6.50	.517	.188	.625
0.75	3600 1800	56C	6.50	3.75 5.75	9.60 10.19	3.50	2.44	4.88	2.00	3.00	.10	.79 x .34	1.88	6.50	.517	.188	.625

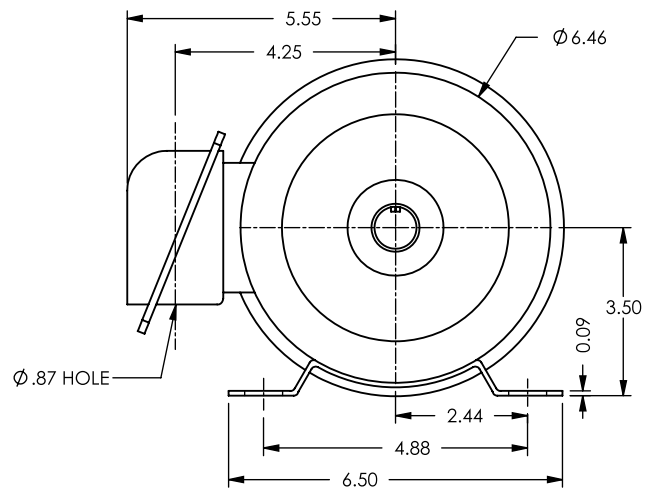
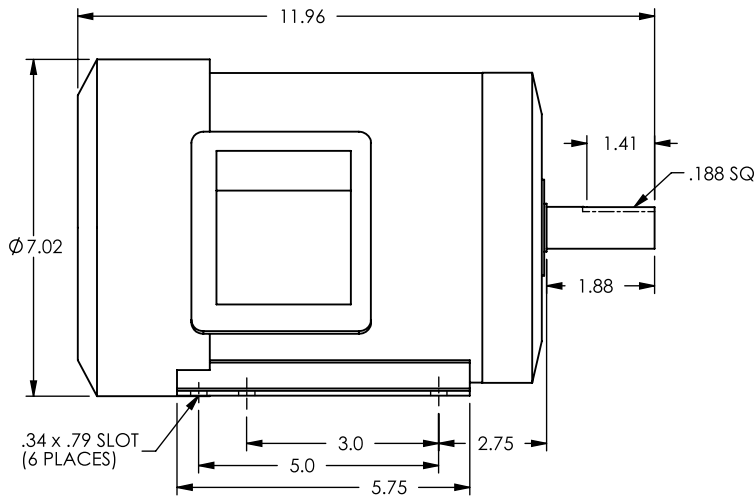
*Alternate mounting on same base.

HP	RPM	FRAME	AA	AB	AC	AG	AH	AJ	AK	BA	BB	BD	BF	BV	ES
0.50	3600 1800	56C	.87	5.53	4.25	7.54	2.06	5.88	4.50	2.75	.16	6.50	3/8-16	5.06	1.41
0.75	3600 1800	56C	.87	5.53	4.25	7.54 8.13	2.06	5.88	4.50	2.75	.16	6.50	3/8-16	5.06 5.65	1.41

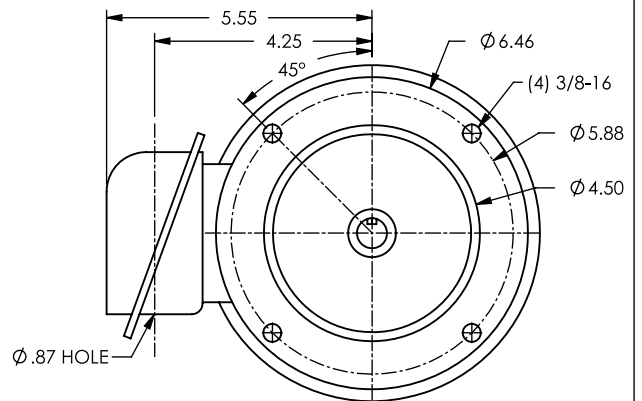
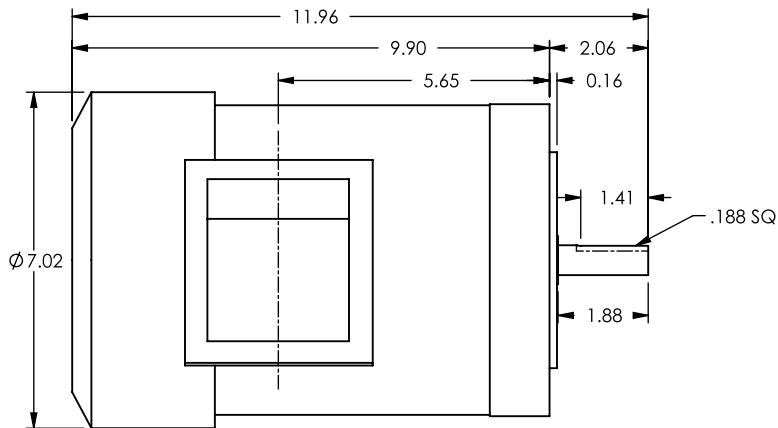
Dimensions subject to change without notice. Refer to factory for Certified drawing.

NB TEFC MODELS 56,56H, & 56C

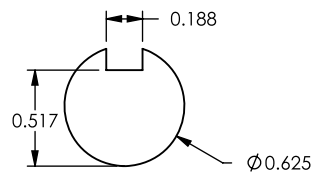
FOOTED



C-FACE FOOTLESS



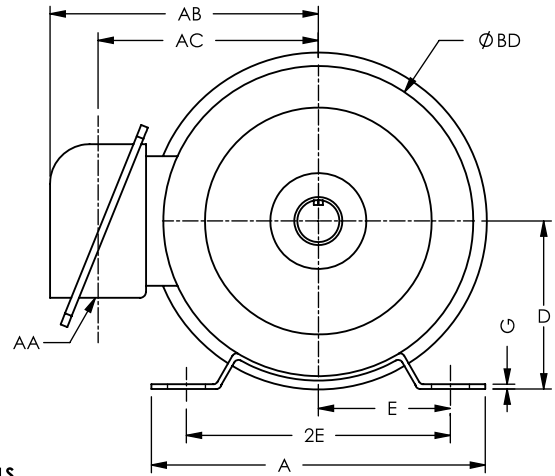
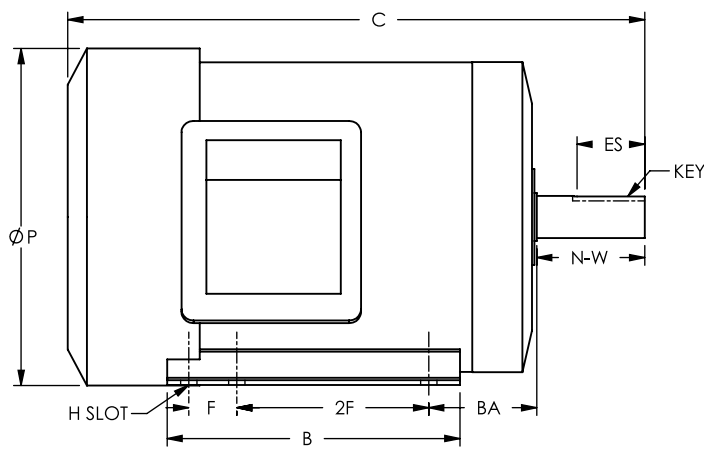
SHAFT DETAILS



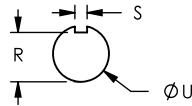
Dimensions subject to change without notice. Refer to factory for Certified drawing.

10/28/2010

DB TEFC ROLLED STEEL FOOTED MOTORS (143T-215T)



SHAFT DETAILS

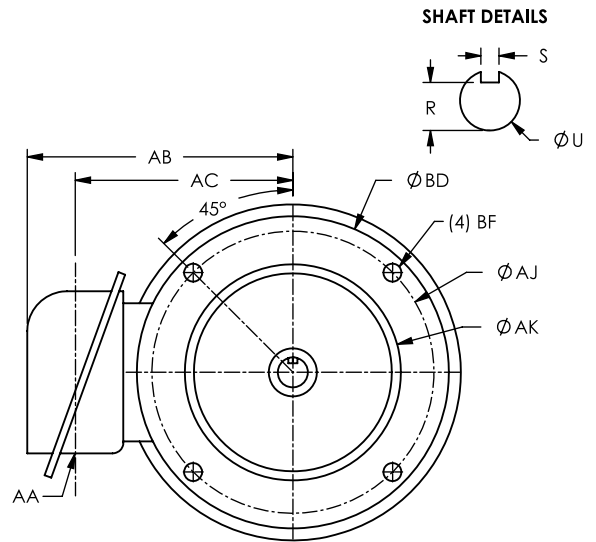
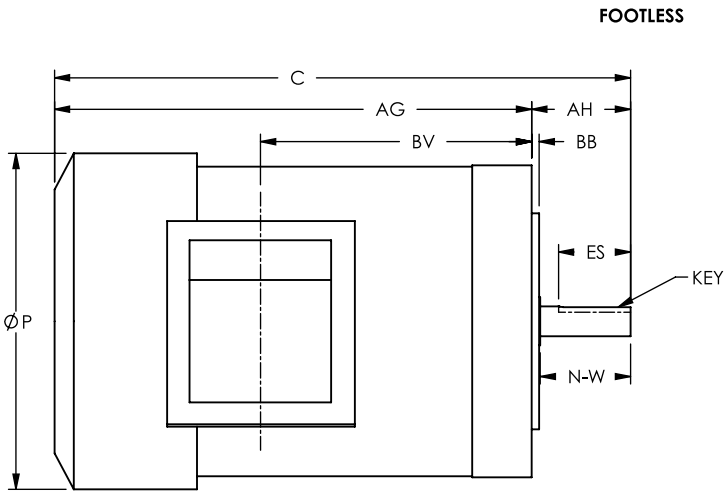
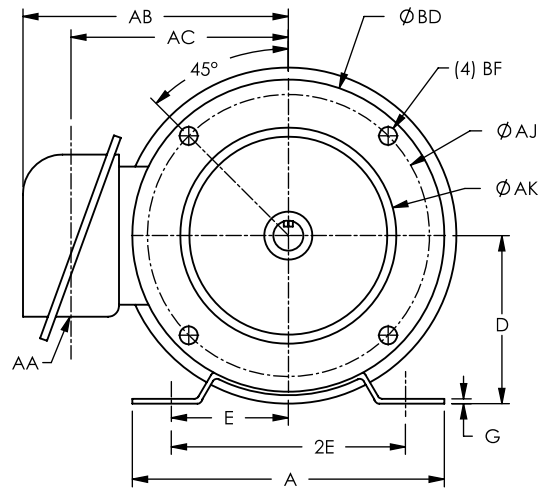
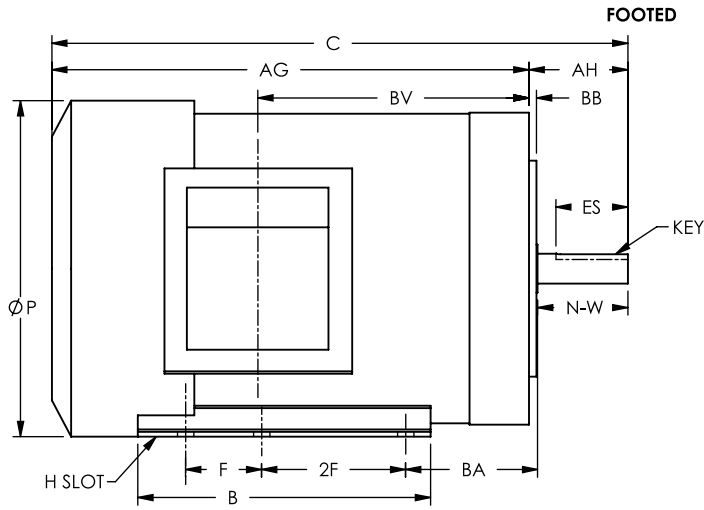


HP	RPM	FRAME	A	B	C	D	E	2E	F*	2F	G	H	N-W	P	R	S	U
1.0	1800	143TC	6.96	6.10	12.02	3.50	2.75	5.50	1.00	4.00	.10	.79 x .34	2.25	7.02	.771	.188	0.875
1.5	1800	145TC	6.96	6.10	12.42	3.50	2.75	5.50	1.00	4.00	.10	.79 x .34	2.25	7.02	.771	.188	0.875
2.0	1800	145TC	6.96	6.10	13.00	3.50	2.75	5.50	1.00	4.00	.10	.79 x .34	2.25	7.02	.771	.188	0.875
3.0	1800	182TC	8.82	6.50	15.58	4.50	3.75	7.50	1.00	4.50	.15	.71 x .47	2.75	8.45	0.986	.250	1.125
5.0	1800	184TC	8.82	6.50	16.17	4.50	3.75	7.50	1.00	4.50	.15	.71 x .47	2.75	8.45	0.986	.250	1.125
7.5	1800	213TC	10.32	7.32	17.92	5.25	4.25	8.50	-	5.50	.20	.71 x .47	3.38	10.77	1.201	.31	1.375
10	1800	215TC	10.32	7.32	19.10	5.25	4.25	8.50	1.50	5.50	.20	.71 x .47	3.38	10.77	1.201	.31	1.375

*Alternate mounting on same base.

HP	RPM	FRAME	AA	AB	AC	BA	BD	ES
1.0	1800	143TC	0.87	5.59	4.25	2.25	6.46	1.41
1.5	1800	145TC	0.87	5.59	4.25	2.25	6.46	1.41
2.0	1800	145TC	0.87	5.59	4.25	2.25	6.46	1.41
3.0	1800	182TC	1.10	6.50	5.17	2.75	7.67	1.78
5.0	1800	184TC	1.10	6.50	5.17	2.75	7.67	1.78
7.5	1800	213TC	1.10	7.68	6.38	3.50	10.07	2.41
10	1800	215TC	1.10	7.68	6.38	3.50	10.07	2.41

C-FACE TEFC ROLLED STEEL MOTORS (56C-140TC)



HP	RPM	FRAME	A	B	C	D	E	2E	F*	2F	G	H	N-W	P	R	S	U
1.0	3600	56C	6.50	3.74	11.37	3.50	2.44	4.88	-	3.00	.10	.79 x .34	1.88	7.02	.517	.188	.625
	1800	143TC	6.96	5.75	11.96	3.50	2.75	5.50	2.00	4.00	.10	.79 x .34	2.25	7.02	.771	.188	.875
1.5	3600	56C	6.50	5.75	12.36	3.50	2.44	4.88	2.00	3.00	.10	.79 x .34	1.88	7.02	.517	.188	.625
	1800	145TC	6.96	6.10	12.42	3.50	2.75	5.50	1.00	4.00	.10	.79 x .34	2.25	7.02	.771	.188	.875
2.0	3600	56C	6.50	5.75	12.95	3.50	2.44	4.88	2.00	3.00	.10	.79 x .34	1.88	7.02	.517	.188	.625
	1800	145TC	6.96	6.10	13.00	3.50	2.75	5.50	1.00	4.00	.10	.79 x .34	2.25	7.02	.771	.188	.875

*Alternate mounting on same base.

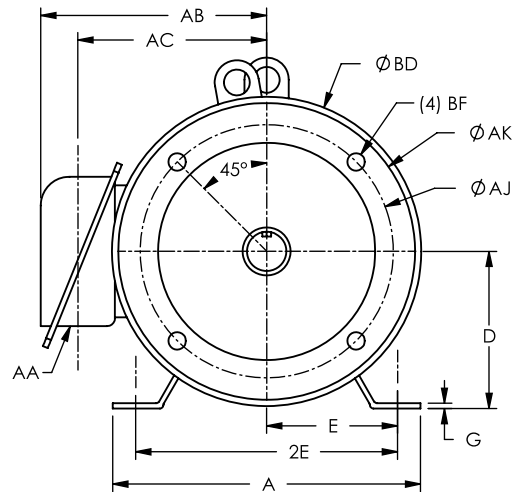
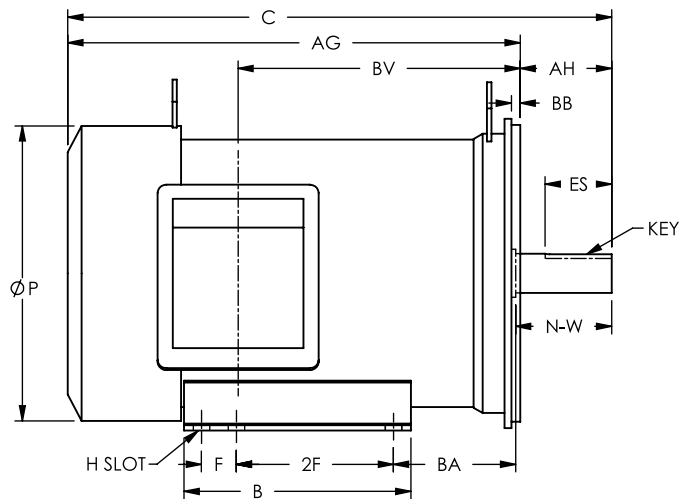
HP	RPM	FRAME	AA	AB	AC	AG	AH	AJ	AK	BA	BB	BD	BF	BV	ES
1.0	3600	56C	.87	5.55	4.25	9.31	2.06	5.88	4.50	2.75	.16	6.50	3/8-16	5.06	1.41
	1800	143TC	.87	5.55	4.25	9.90	2.12	5.88	4.50	2.75	.16	6.50	3/8-16	5.65	1.41
1.5	3600	56C	.87	5.55	4.25	10.30	2.06	5.88	4.50	2.75	.16	6.50	3/8-16	6.05	1.41
	1800	145TC	.87	5.55	4.25	10.30	2.12	5.88	4.50	2.75	.16	6.50	3/8-16	6.05	1.41
2.0	3600	56C	.87	5.55	4.25	10.89	2.06	5.88	4.50	2.75	.16	6.50	3/8-16	6.64	1.41
	1800	145TC	.87	5.55	4.25	10.89	2.12	5.88	4.50	2.75	.16	6.50	3/8-16	6.64	1.41

Dimensions subject to change without notice. Refer to factory for Certified drawing.

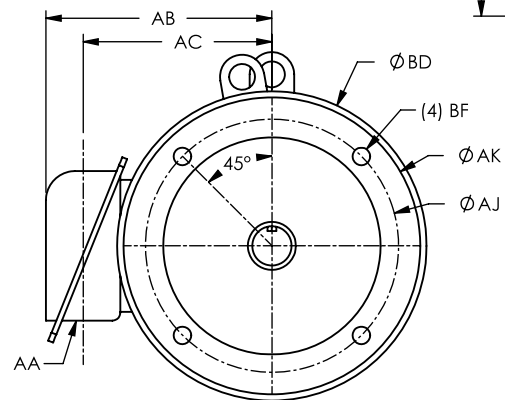
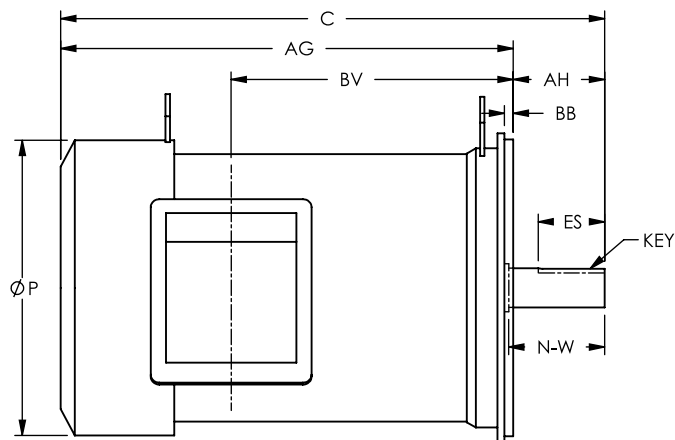
10/28/2010

C-FACE TEFC ROLLED STEEL MOTORS (180TC-215TC)

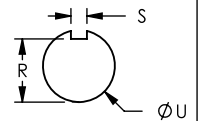
FOOTED



FOOTLESS



SHAFT DETAILS



HP	RPM	FRAME	A	B	C	D	E	2E	F*	2F	G	H	N-W	P	R	S	U
3.0	3600 1800	182TC	8.82	6.50	15.58	4.50	3.75	7.50	1.00	4.50	.15	.71 x .47	2.75	8.45	0.986	.250	1.125
5.0	3600 1800	184TC	8.82	6.50	16.17	4.50	3.75	7.50	1.00	4.50	.15	.71 x .47	2.75	8.45	0.986	.250	1.125
7.5	3600 1800	213TC	10.32	7.32	17.32 17.92	5.25	4.25	8.50	-	5.50	.20	.71 x .47	3.38	10.77	1.201	.31	1.375
10	3600 1800	215TC	10.32	9.30	18.51 19.10	5.25	4.25	8.50	1.50	5.50	.20	.71 x .47	3.38	10.77	1.201	.31	1.375

*Alternate mounting on same base.

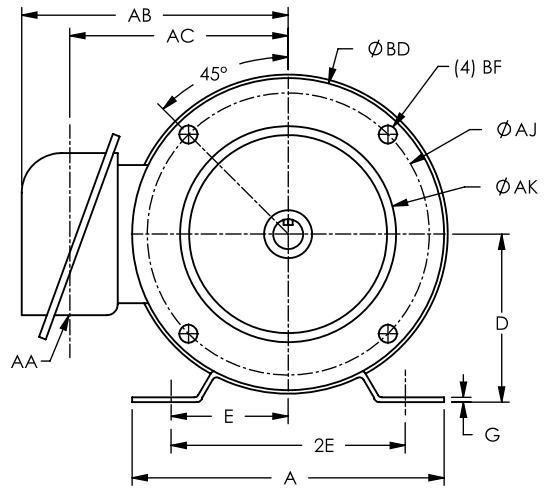
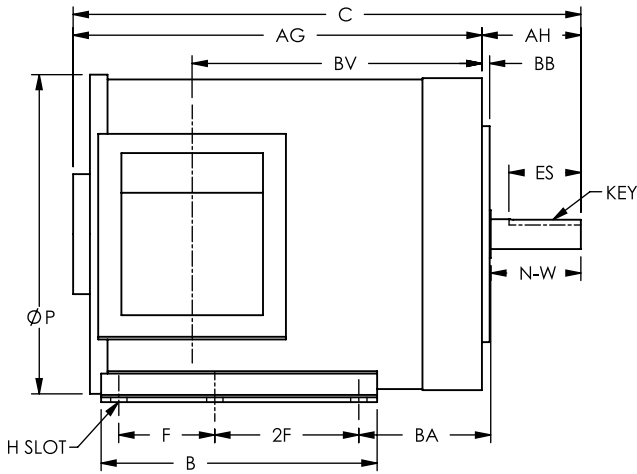
HP	RPM	FRAME	AA	AB	AC	AG	AH	AJ	AK	BA	BB	BD	BF	BV	ES
3.0	3600 1800	182TC	1.10	6.50	5.17	12.96	2.62	7.25	8.50	3.50	.25	8.86	1/2-13	8.08	1.78
5.0	3600 1800	184TC	1.10	6.50	5.17	13.55	2.62	7.25	8.50	3.50	.25	8.86	1/2-13	8.67	1.78
7.5	3600 1800	213TC	1.10	7.68	6.38	14.20 14.80	3.12	7.25	8.50	4.25	.25	9.00	1/2-13	8.73 9.33	2.41
10	3600 1800	215TC	1.10	7.68	6.38	15.39 15.98	3.12	7.25	8.50	4.25	.25	9.00	1/2-13	9.91 10.50	2.41

Dimensions subject to change without notice. Refer to factory for Certified drawing.

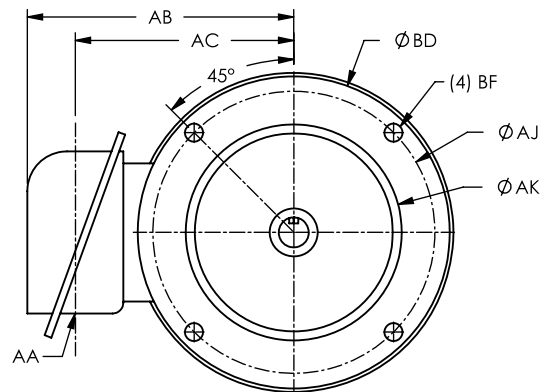
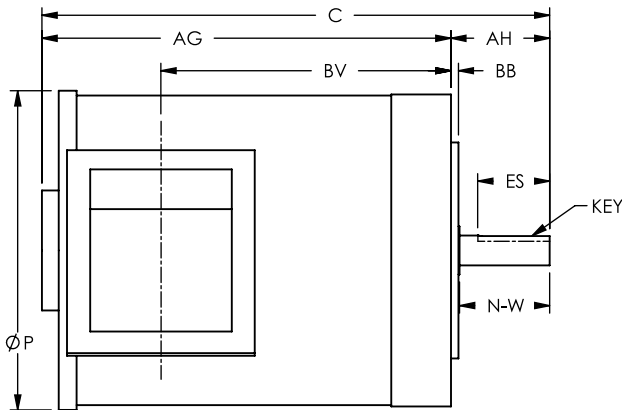
10/28/2010

C-FACE TENV STAINLESS STEEL MOTORS

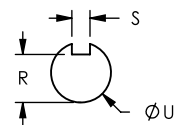
FOOTED



FOOTLESS



SHAFT DETAILS



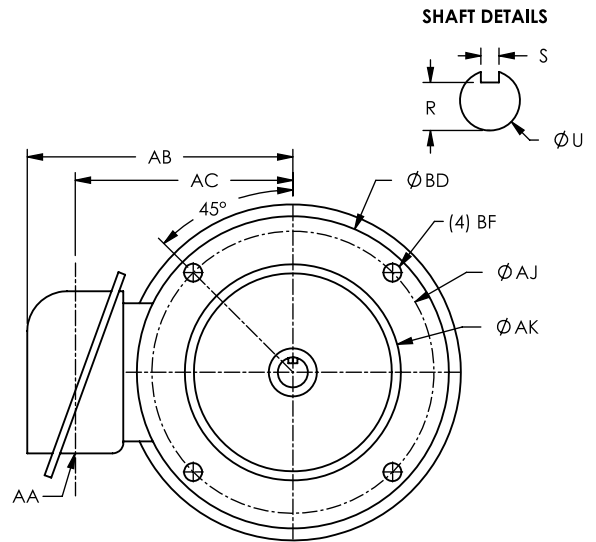
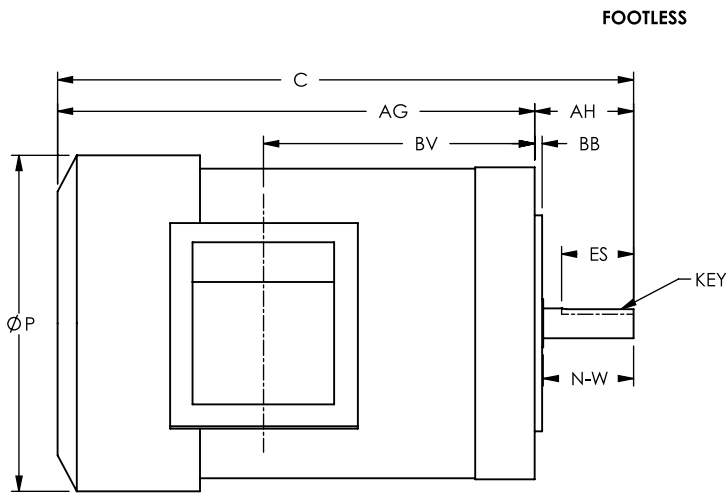
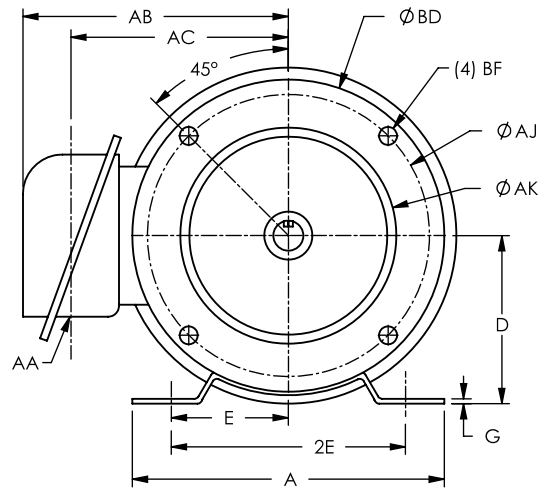
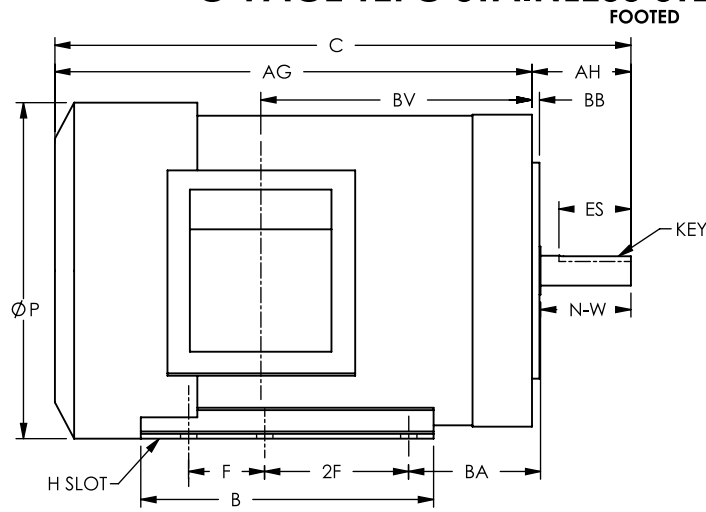
HP	RPM	FRAME	A	B	C	D	E	2E	F*	2F	G	H	N-W	P	R	S	U
0.33	3600 1800	56C	6.50	3.75	9.09	3.50	2.44	4.88	-	3.00	.10	.79 x .34	1.88	6.50	.517	.188	.625
0.50	3600 1800	56C	6.50	3.75 5.75	9.09 10.20	3.50	2.44	4.88	2.00	3.00	.10	.79 x .34	1.88	6.50	.517	.188	.625
0.75	3600 1800	56C	6.50	5.75	10.20 10.58	3.50	2.44	4.88	2.00	3.00	.10	.79 x .34	1.88	6.50	.517	.188	.625
1.00	1800	56C	6.50	5.75	10.58	3.50	2.44	4.88	2.00	3.00	.10	.19 x .34	1.88	6.50	.517	.188	.625

*Alternate mounting on same base.

HP	RPM	FRAME	AA	AB	AC	AG	AH	AJ	AK	BA	BB	BD	BF	BV	ES
0.33	3600 1800	56C	.87	5.53	4.25	7.03	2.06	5.88	4.50	2.75	.16	6.50	3/8-16	4.55	1.41
0.50	3600 1800	56C	.87	5.55	4.25	7.03 8.14	2.06	5.88	4.50	2.75	.16	6.50	3/8-16	4.55 5.65	1.41
0.75	3600 1800	56C	.87	5.55	4.25	8.14 8.52	2.06	5.88	4.50	2.75	.16	6.50	3/8-16	5.65 6.04	1.41
1.00	1800	56C	.87	5.55	4.25	8.52	2.06	5.88	4.50	2.75	.16	6.50	3/8-16	6.04	1.41

Dimensions subject to change without notice. Refer to factory for Certified drawing.

C-FACE TEFC STAINLESS STEEL MOTORS (56C-140TC)



HP	RPM	FRAME	A	B	C	D	E	2E	F*	2F	G	H	N-W	P	R	S	U
1.0	3600 1800	56C	6.50	6.10	12.00	3.50	2.44	4.88	2.00	3.00	.10	.79 x .34	1.88	7.00	.517	.188	.625
	3600 1800	143TC	6.96	6.10	12.34	3.50	2.75	5.50	1.00	4.00	.10	.79 x .34	2.25	7.02	.771	.188	.875
1.5	3600 1800	56C	6.50	6.10	12.00	3.50	2.44	4.88	2.00	3.00	.10	.79 x .34	1.88	7.00	.517	.188	.625
	3600 1800	145TC	6.96	6.10	12.73	3.50	2.75	5.50	1.00	4.00	.10	.79 x .34	2.25	7.02	.771	.188	.875
2.0	3600 1800	56C	6.50	6.10	12.40	3.50	2.44	4.88	2.00	3.00	.10	.79 x .34	1.88	7.00	.517	.188	.625
	3600 1800	145TC	6.96	6.10	13.32 12.73	3.50	2.75	5.50	1.00	4.00	.10	.79 x .34	2.25	7.02	.771	.188	.875

*Alternate mounting on same base.

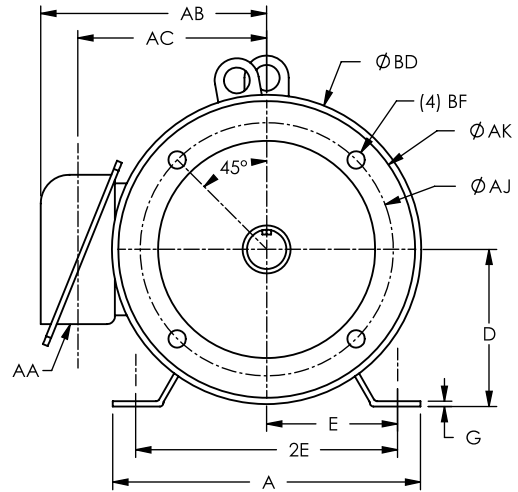
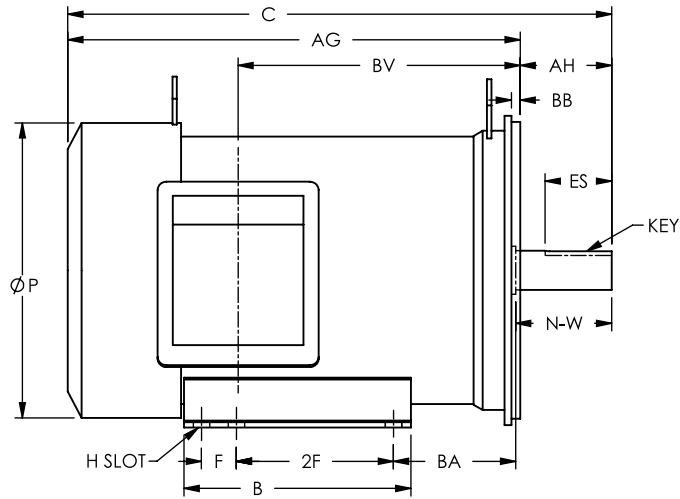
HP	RPM	FRAME	AA	AB	AC	AG	AH	AJ	AK	BA	BB	BD	BF	BV	ES
1.0	3600 1800	56C	.87	5.53	4.25	9.94	2.06	5.88	4.50	2.75	.16	6.50	3/8-16	7.71	1.41
	3600 1800	143TC	.87	5.55	4.25	10.22	2.12	5.88	4.50	2.75	.16	6.50	3/8-16	5.93	1.41
1.5	3600 1800	56C	.87	5.55	4.25	9.94	2.06	5.88	4.50	2.75	.16	6.50	3/8-16	7.71	1.41
	3600 1800	145TC	.87	5.55	4.25	10.61	2.12	5.88	4.50	2.75	.16	6.50	3/8-16	6.32	1.41
2.0	3600 1800	56C	.87	5.55	4.25	10.34	2.06	5.88	4.50	2.75	.16	6.50	3/8-16	6.04	1.41
	3600 1800	145TC	.87	5.55	4.25	11.20 10.61	2.12	5.88	4.50	2.75	.16	6.50	3/8-16	6.91 6.32	1.41

Dimensions subject to change without notice. Refer to factory for Certified drawing.

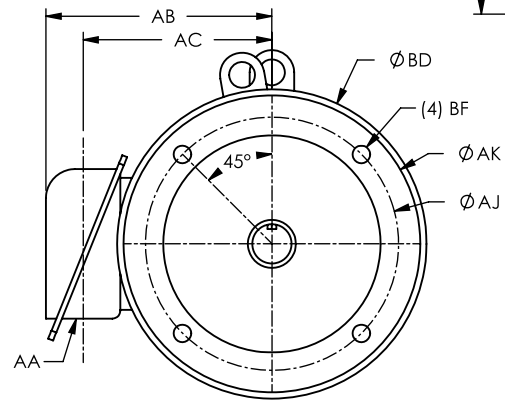
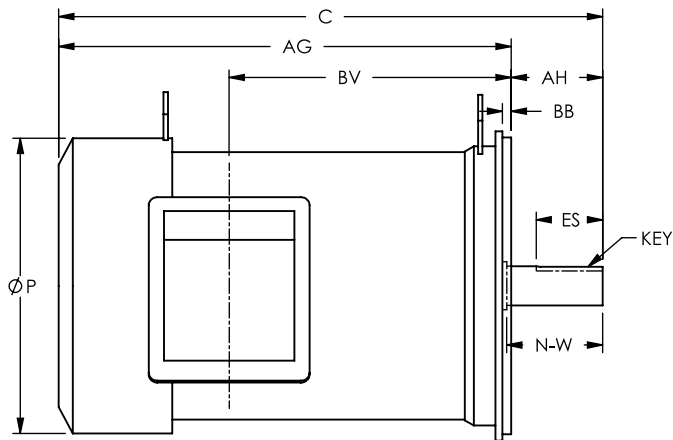
10/28/2010

C-FACE TEFC STAINLESS STEEL MOTORS (180TC-256TC)

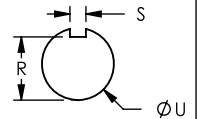
FOOTED



FOOTLESS



SHAFT DETAILS



HP	RPM	FRAME	A	B	C	D	E	2E	F*	2F	G	H	N-W	P	R	S	U
3.0	3600 1800	182TC	8.82	6.50	15.58 15.78	4.50	3.75	7.50	1.00	4.50	.15	.71 x .47	2.75	8.45	0.986	.250	1.125
5.0	3600 1800	184TC	8.82	6.50	16.37	4.50	3.75	7.50	1.00	4.50	.15	.71 x .47	2.75	8.45	0.986	.250	1.125
7.5	3600 1800	213TC	10.32	7.32	17.32 17.92	5.25	4.25	8.50	-	5.50	.20	.71 x .47	3.38	10.77	1.201	.31	1.375
10	3600 1800	215TC	10.32	9.30	18.51 19.10	5.25	4.25	8.50	1.50	5.50	.20	.71 x .47	3.38	10.77	1.201	.31	1.375
15	3600 1800	254TC	11.18	9.53	23.82	6.25	5.00	10.00	-	8.25	.47	Ø.53	4.01	12.36	1.416	.38	1.625
20	3600 1800	254TC	11.18	11.28	25.39	6.25	5.00	10.00	-	10.00	.47	Ø.53	4.01	12.36	1.416	.38	1.625

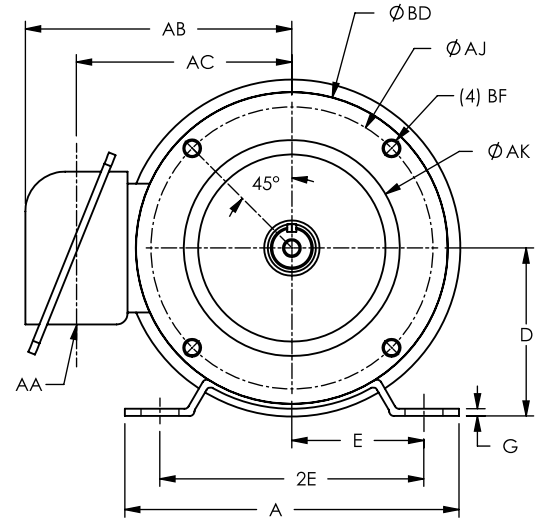
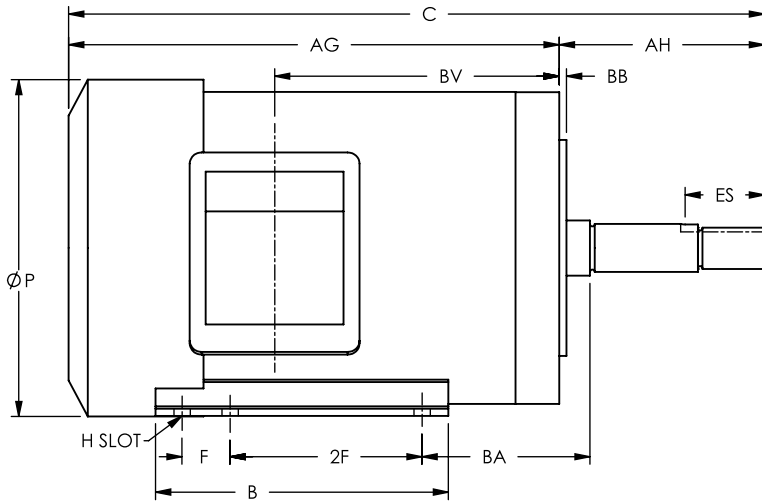
*Alternate mounting on same base.

HP	RPM	FRAME	AA	AB	AC	AG	AH	AJ	AK	BA	BB	BD	BF	BV	ES
3.0	3600 1800	182TC	1.10	6.50	5.17	12.96 13.16	2.62	7.25	8.50	3.50	.25	8.86	1/2-13	8.08 8.28	1.78
5.0	3600 1800	184TC	1.10	6.50	5.17	13.75	2.62	7.25	8.50	3.50	.25	8.86	1/2-13	8.87	1.78
7.5	3600 1800	213TC	1.10	7.68	6.38	14.20 14.80	3.12	7.25	8.50	4.25	.25	9.00	1/2-13	8.73 9.33	2.41
10	3600 1800	215TC	1.10	7.68	6.38	15.39 15.98	3.12	7.25	8.50	4.25	.25	9.00	1/2-13	9.91 10.50	2.41
15	3600 1800	254TC	2.05	9.84	8.00	20.07	3.75	7.25	8.50	4.75	.25	11.85	1/2-13	12.01	2.91
20	3600 1800	254TC	2.05	9.84	8.00	21.38	3.75	7.25	8.50	4.75	.25	11.85	1/2-13	13.58	2.91

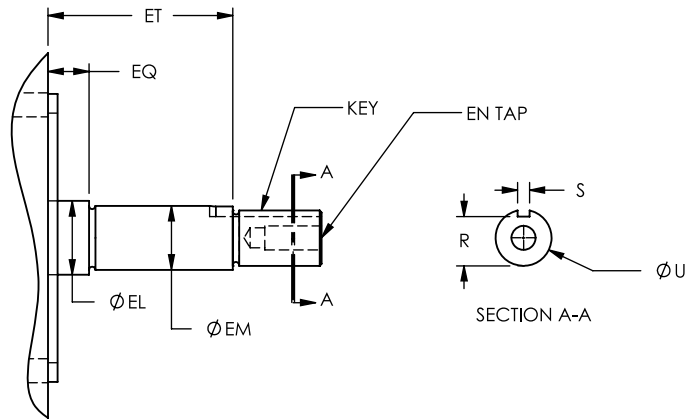
Dimensions subject to change without notice. Refer to factory for Certified drawing.

10/28/2010

STAINLESS STEEL CLOSE COUPLED PUMP MOTORS



SHAFT DETAILS



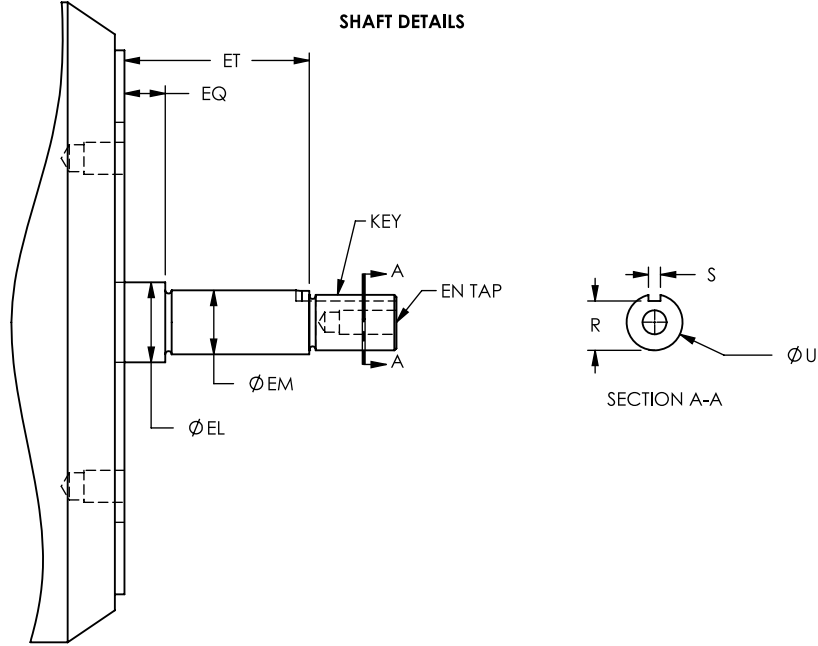
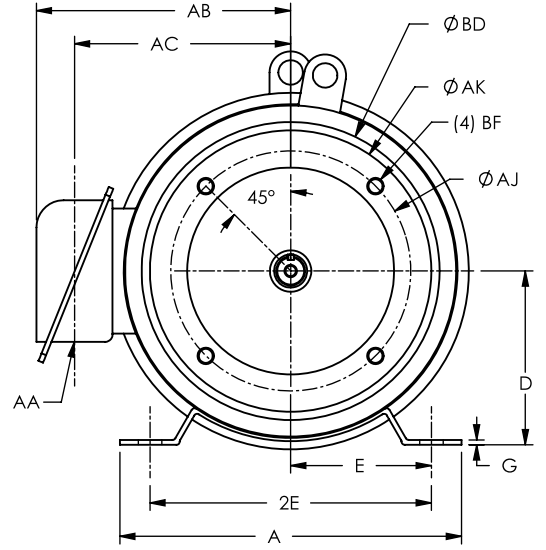
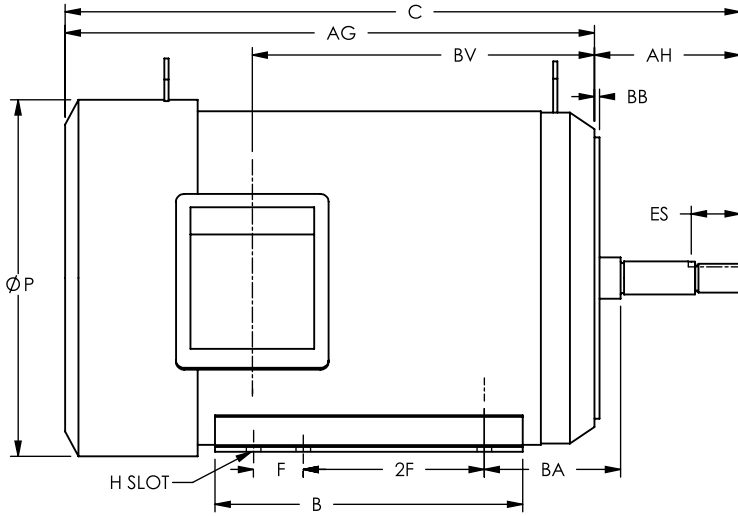
HP	RPM	FRAME	A	B	C	D	E	2E	F*	2F	G	H	P	R	S	U	AA	AB
1.0	3600 1800	143JM	6.50	5.75	14.48	3.50	2.75	5.50	1.00	4.00	.09	.79 x .34	6.79	.771	.188	.8745	0.87	5.53
2.0	3600 1800	145JM	6.50	5.75	14.48	3.50	2.75	5.50	1.00	4.00	.09	.79 x .34	6.79	.771	.188	.8745	0.87	5.53
3.0	3600 1800	182JM	8.82	6.50	17.21 17.81	4.50	3.75	7.50	1.00	4.50	.09	.71 x .47	8.86	.771	.188	.8745	0.87	7.00
5.0	3600 1800	184JM	8.82	6.50	17.81	4.50	3.75	7.50	1.00	4.50	.09	.71 x .47	8.86	.771	.188	.8745	0.87	7.00

*Alternate mounting on same base.

HP	RPM	FRAME	AC	AG	AH	AJ	AK	BA	BB	BD	BF	BV	EL	EM	EN	EQ	ES	ET
1.0	3600 1800	143JM	4.25	10.20	4.281	5.88	4.50	3.06	.16	6.50	3/8-16	5.50	1.156	1.00	3/8-16	.640	1.65	2.89
2.0	3600 1800	145JM	4.25	10.20	4.281	5.88	4.50	3.06	.16	6.50	3/8-16	5.95	1.156	1.00	3/8-16	.640	1.65	2.89
3.0	3600 1800	182JM	5.30	12.93 13.53	4.281	5.88	4.50	3.66	.16	6.50	3/8-16	8.10 8.70	1.250	1.00	3/8-16	.640	1.65	2.89
5.0	3600 1800	184JM	5.30	13.53	4.281	5.88	4.50	3.66	.16	6.50	3/8-16	8.70	1.250	1.00	3/8-16	.640	1.65	2.89

Dimensions subject to change without notice. Refer to factory for Certified drawing.

STAINLESS STEEL CLOSE COUPLED PUMP MOTORS (213JM-215JM)



HP	RPM	FRAME	A	B	C	D	E	2E	F*	2F	G	H	P	R	S	U	AA	AB
7.5	3600 1800	213JM	10.30	9.30	19.36	5.25	4.27	8.54	1.50	5.50	.16	.71 x .42	10.80	.771	.188	.8745	1.10	7.44
10.0	3600 1800	215JM	10.30	9.30	21.76	5.25	4.27	8.54	1.50	5.50	.16	.71 x .42	10.80	.771	.188	.8745	1.10	7.44

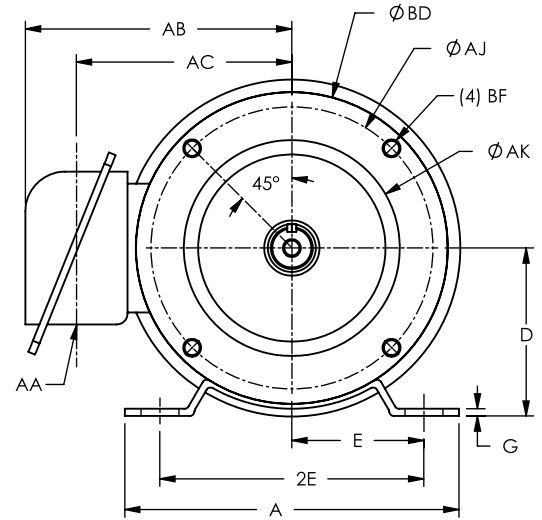
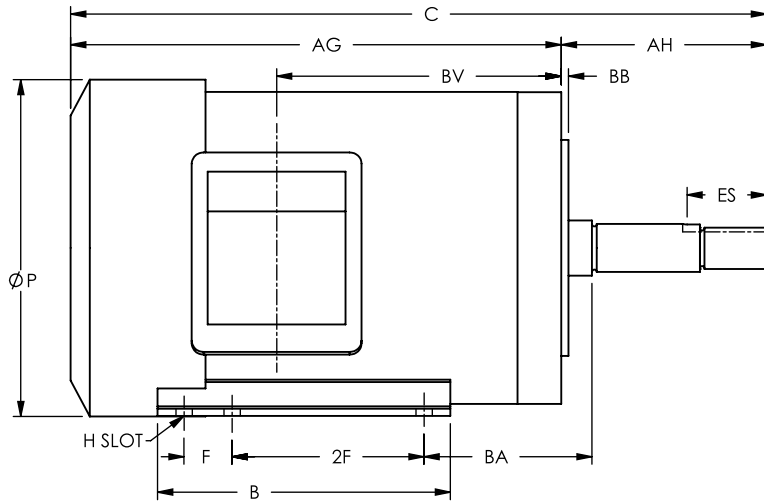
*Alternate mounting on same base.

HP	RPM	FRAME	AC	AG	AH	AJ	AK	BA	BB	BD	BF	BV	EL	EM	EN	EQ	ES	ET
7.5	3600 1800	182JM	6.17	15.40 15.90	4.281	7.25	8.50	4.12	.25	9.00	1/2-13	10.81 10.34	1.250	1.00	3/8-16	.640	1.65	2.89
10.0	3600 1800	184JM	6.17	15.40 15.90	4.281	7.25	8.50	4.12	.25	9.00	1/2-13	10.81 10.34	1.250	1.00	3/8-16	.640	1.65	2.89

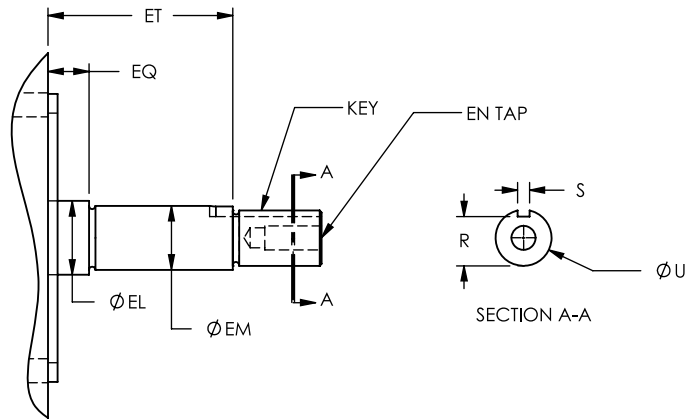
Dimensions subject to change without notice. Refer to factory for Certified drawing.

10/28/2010

PREMIUM STAINLESS STEEL CLOSE COUPLED PUMP MOTORS



SHAFT DETAILS



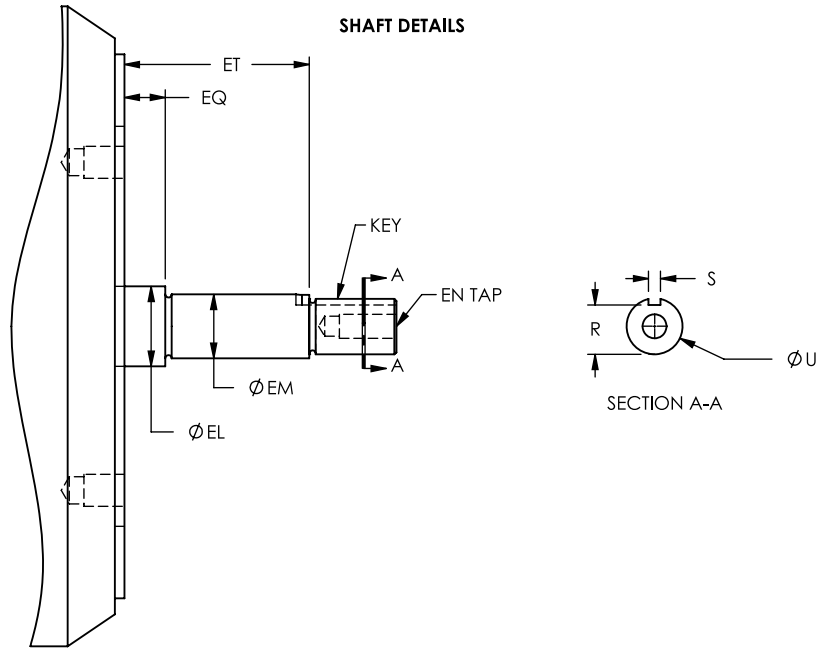
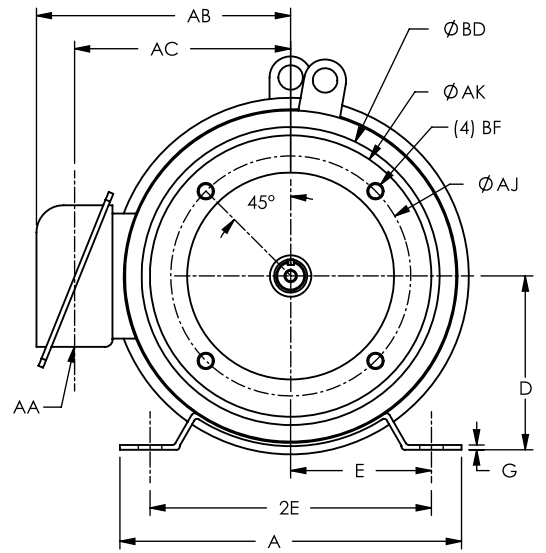
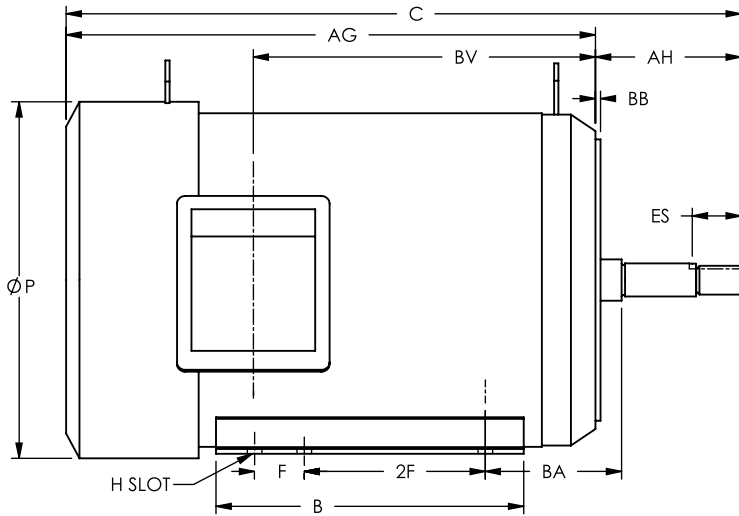
HP	RPM	FRAME	A	B	C	D	E	2E	F*	2F	G	H	P	R	S	U	AA	AB
1.0	3600 1800	143JM	6.97	6.10	14.21	3.50	2.75	5.50	1.00	4.00	.10	.79 x .34	6.79	.771	.188	.8745	0.87	5.58
2.0	3600 1800	145JM	6.97	6.10	15.20 16.58	3.50	2.75	5.50	1.00	4.00	.10	.79 x .34	6.79	.771	.188	.8745	0.87	5.58
3.0	3600 1800	182JM	8.82	6.50	17.03 17.23	4.50	3.75	7.50	1.00	4.50	.10	.71 x .47	8.45	.771	.188	.8745	1.10	6.48
5.0	3600 1800	184JM	8.82	6.50	17.82	4.50	3.75	7.50	1.00	4.50	.10	.71 x .47	8.45	.771	.188	.8745	1.10	6.48

*Alternate mounting on same base.

HP	RPM	FRAME	AC	AG	AH	AJ	AK	BA	BB	BD	BF	BV	EL	EM	EN	EQ	ES	ET
1.0	3600 1800	143JM	4.25	9.95	4.281	5.88	4.50	3.06	.16	6.50	3/8-16	5.66	1.156	1.00	3/8-16	.640	1.65	2.89
2.0	3600 1800	145JM	4.25	10.93 12.31	4.281	5.88	4.50	3.06	.16	6.50	3/8-16	6.64 8.02	1.156	1.00	3/8-16	.640	1.65	2.89
3.0	3600 1800	182JM	5.18	12.76 12.95	4.281	5.88	4.50	3.66	.16	6.50	3/8-16	7.88 8.07	1.250	1.00	3/8-16	.640	1.65	2.89
5.0	3600 1800	184JM	5.18	13.55	4.281	5.88	4.50	3.66	.16	6.50	3/8-16	8.66	1.250	1.00	3/8-16	.640	1.65	2.89

Dimensions subject to change without notice. Refer to factory for Certified drawing.

PREMIUM STAINLESS STEEL CLOSE COUPLED PUMP MOTORS (213JM-215JM)



HP	RPM	FRAME	A	B	C	D	E	2E	F*	2F	G	H	P	R	S	U	AA	AB
7.5	3600 1800	213JM	10.32	7.32	18.62 19.21	5.25	4.25	8.50	-	5.47	.16	.71 x .44	10.77	.771	.188	.8745	1.10	7.68
10.0	3600 1800	215JM	10.32	9.29	19.80 20.39	5.25	4.25	8.50	1.00	5.47	.16	.71 x .44	10.77	.771	.188	.8745	1.10	7.68

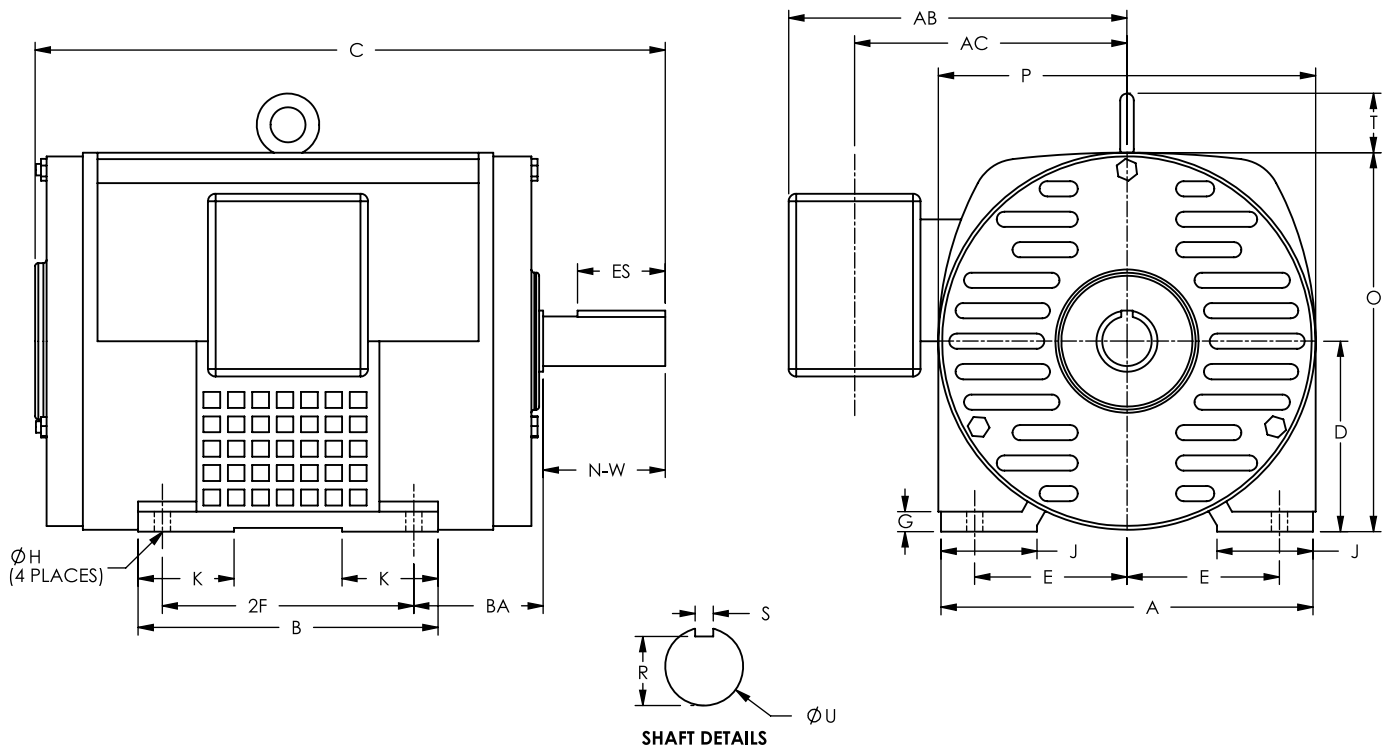
*Alternate mounting on same base.

HP	RPM	FRAME	AC	AG	AH	AJ	AK	BA	BB	BD	BF	BV	EL	EM	EN	EQ	ES	ET
7.5	3600 1800	213JM	6.38	14.68 14.09	4.281	7.25	8.50	4.12	.25	9.00	1/2-13	9.15 8.56	1.250	1.00	3/8-16	.640	1.65	2.89
10.0	3600 1800	215JM	6.38	15.21 14.62	4.281	7.25	8.50	4.12	.25	9.00	1/2-13	10.34 9.75	1.250	1.00	3/8-16	.640	1.65	2.89

Dimensions subject to change without notice. Refer to factory for Certified drawing.

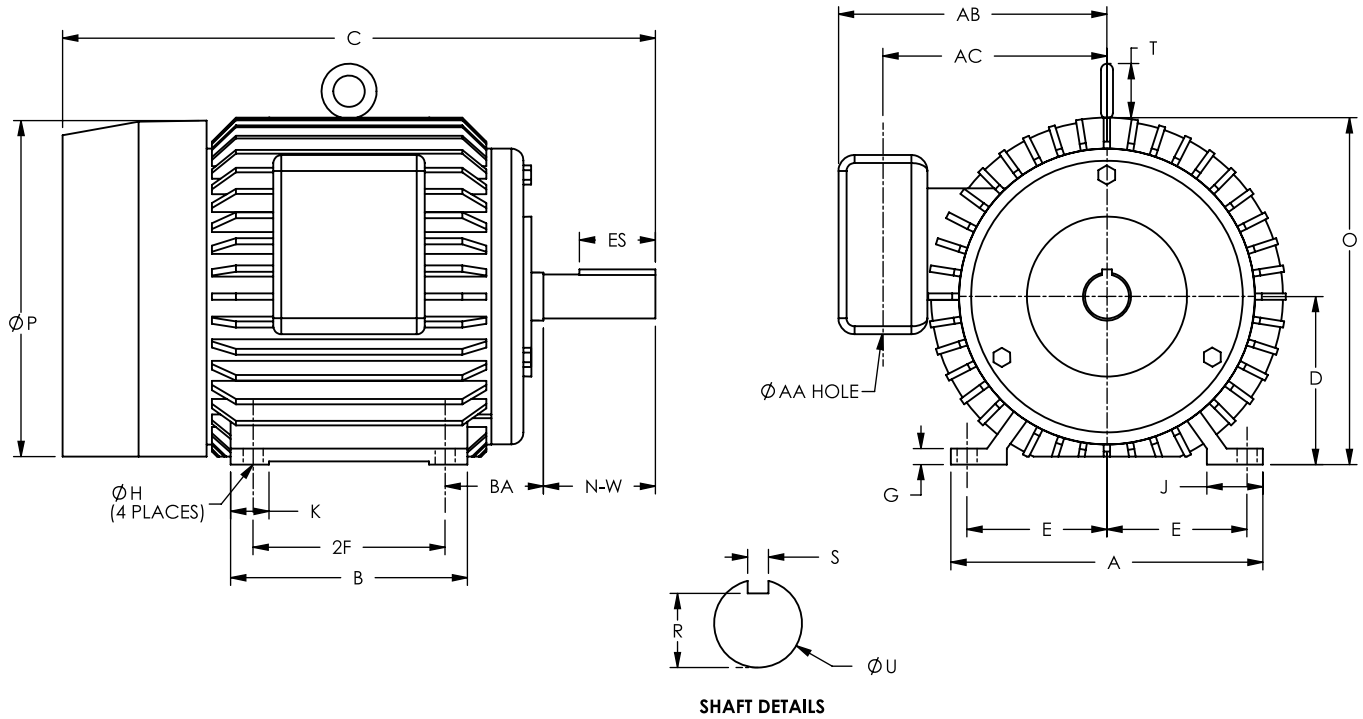
10/28/2010

OPEN DRIP PROOF ENCLOSURE (143T - 365T)



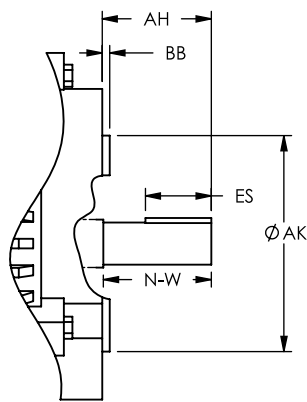
FRAME	A	B	C	D	E	2F	G	ØH	J	K	P	R	S	U	AA	AB	AC	BA	ES	N-W	O+T
143T	6.92	4.92	10.53	3.50	2.75	4.00	0.35	0.34	1.57	-	6.81	0.771	0.188	0.875	1.10	6.84	4.68	2.25	1.41	2.25	7.54
145T	6.92	5.90	11.50	3.50	2.75	5.00	0.35	0.34	1.57	-	6.81	0.771	0.188	0.875	1.10	6.84	4.68	2.25	1.41	2.25	7.54
182T	8.66	5.62	12.53	4.50	3.75	4.50	0.56	0.41	1.57	-	8.70	0.986	0.250	1.125	1.10	7.78	5.90	2.75	1.78	2.75	10.77
184T	8.66	6.61	13.53	4.50	3.75	5.50	0.56	0.41	1.57	-	8.70	0.986	0.250	1.125	1.10	7.78	5.90	2.75	1.78	2.75	10.77
213T	10.24	7.09	15.85	5.25	4.25	5.50	0.76	0.41	1.97	-	10.55	1.201	0.312	1.375	1.38	8.66	7.01	3.50	2.41	3.38	145
215T	10.24	8.66	17.38	5.25	4.25	7.00	0.76	0.41	1.97	-	10.55	1.201	0.312	1.375	1.38	8.66	7.01	3.50	2.41	3.38	12.45
254T	12.20	9.84	20.67	6.25	5.00	8.25	0.66	0.53	3.15	-	12.80	1.416	0.375	1.625	2.05	11.10	8.82	4.25	2.91	4.00	14.55
256T	12.20	11.57	22.40	6.25	5.00	10.00	0.66	0.53	3.15	-	12.80	1.416	0.375	1.625	2.05	11.10	8.82	4.25	2.91	4.00	14.55
284T	12.76	11.26	23.82	7.00	5.50	9.50	0.70	0.53	3.15	-	14.76	1.591	0.500	1.875	2.36	13.18	10.55	4.75	3.28	4.62	16.84
284TS	12.76	11.26	22.45	7.00	5.50	9.50	0.70	0.53	3.15	-	14.76	1.416	0.375	1.625	2.36	13.18	10.55	4.75	1.91	3.25	16.84
286T	12.76	12.76	25.32	7.00	5.50	11.00	0.70	0.53	3.15	-	14.76	1.591	0.500	1.875	2.36	13.18	10.55	4.75	3.28	4.62	16.84
286TS	12.76	12.76	23.95	7.00	5.50	11.00	0.70	0.53	3.15	-	14.76	1.416	0.375	1.625	2.36	13.18	10.55	4.75	1.91	3.25	16.84
324T	14.88	12.68	26.26	8.00	6.25	10.50	0.91	0.66	3.15	3.15	16.69	1.845	0.500	2.125	3.07	14.09	11.61	5.25	3.91	5.25	18.82
324TS	14.88	12.68	24.76	8.00	6.25	10.50	0.91	0.66	3.15	3.15	16.69	1.591	0.500	1.875	3.07	14.09	11.61	5.25	2.03	3.75	18.82
326T	14.88	14.17	27.76	8.00	6.25	12.00	0.91	0.66	3.15	3.15	16.69	1.845	0.500	2.125	3.07	14.09	11.61	5.25	3.91	5.25	18.82
326TS	14.88	14.17	26.26	8.00	6.25	12.00	0.91	0.66	3.15	3.15	16.69	1.591	0.500	1.875	3.07	14.09	11.61	5.25	2.03	3.75	18.82
364T	16.38	13.43	29.13	9.00	7.00	11.25	1.01	0.66	3.55	2.95	18.31	2.021	0.625	2.375	2.36	14.81	12.24	5.88	4.28	5.88	21.05
364TS	16.38	13.43	27.00	9.00	7.00	11.25	1.01	0.66	3.55	2.95	18.31	1.591	0.500	1.875	2.36	14.81	12.24	5.88	2.03	3.75	21.05
365T	16.38	14.41	30.13	9.00	7.00	12.25	1.01	0.66	3.55	2.95	18.31	2.021	0.625	2.375	2.36	14.81	12.24	5.88	4.28	5.88	21.05
365TS	16.38	14.41	28.00	9.00	7.00	12.25	1.01	0.66	3.55	2.95	18.31	1.591	0.500	1.875	2.36	14.81	12.24	5.88	2.03	3.75	21.05

FOOTED TEFC, INTEGRAL HORSEPOWER-E MODEL MOTORS (143T-365T)

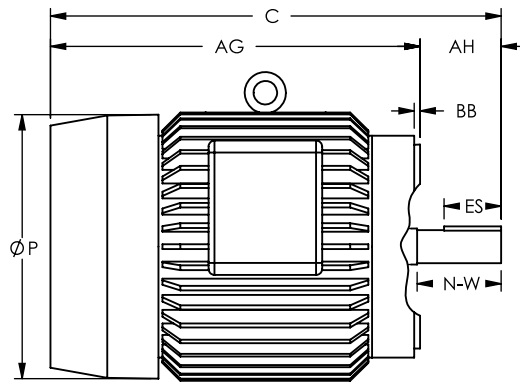


FRAME	A	B	C	D	E	2F	G	H	J	K	P	R	S	U	AA	AB	BA	ES	O+T
143T	6.93	4.88	12.25	3.50	2.75	4.00	.35	.34	1.57	-	8.15	0.771	0.188	0.875	1.10	7.00	2.25	1.41	7.57
145T	6.93	5.87	13.24	3.50	2.75	5.00	.35	.34	1.57	-	8.15	0.771	0.188	0.875	1.10	7.00	2.25	1.41	7.57
182T	8.66	5.59	14.43	4.50	3.75	4.50	.56	.41	1.57	-	9.55	0.986	0.250	1.125	1.10	7.87	2.75	1.78	10.90
184T	8.66	6.61	15.42	4.50	3.75	5.50	.56	.41	1.57	-	9.55	0.986	0.250	1.125	1.10	7.87	2.75	1.78	10.90
213T	10.23	6.89	17.94	5.25	4.25	5.50	.65	.41	1.97	-	11.20	1.201	0.312	1.375	1.38	8.86	3.50	2.41	12.49
215T	10.23	8.39	19.43	5.25	4.25	7.00	.65	.41	1.97	-	11.20	1.201	0.312	1.375	1.38	8.86	3.50	2.41	12.49
254T	12.12	9.84	23.40	6.25	5.00	8.25	.71	.53	2.36	-	12.80	1.416	0.375	1.625	2.05	11.10	4.25	2.91	14.60
256T	12.12	11.60	25.10	6.25	5.00	10.00	.71	.53	2.36	-	12.80	1.416	0.375	1.625	2.05	11.10	4.25	2.91	14.60
284T	12.76	11.26	26.90	7.00	5.50	9.50	.79	.53	2.36	3.25	15.75	1.591	0.500	1.875	2.48	15.48	4.75	3.28	17.30
284TS	12.76	11.26	25.53	7.00	5.50	9.50	.79	.53	2.36	3.25	15.75	1.416	0.375	1.625	2.48	15.48	4.75	1.91	17.30
286T	12.76	12.76	28.40	7.00	5.50	11.00	.79	.53	2.36	3.25	15.75	1.591	0.500	1.875	2.48	15.48	4.75	3.28	17.30
286TS	12.76	12.76	27.03	7.00	5.50	11.00	.79	.53	2.36	3.25	15.75	1.416	0.375	1.625	2.48	15.48	4.75	1.91	17.30
324T	14.88	12.68	29.82	8.00	6.25	10.50	.91	.66	3.15	3.15	17.75	1.845	0.500	2.125	2.48	16.70	5.25	3.91	19.13
324TS	14.88	12.68	28.32	8.00	6.25	10.50	.91	.66	3.15	3.15	17.75	1.591	0.500	1.875	2.48	16.70	5.25	2.03	19.13
326T	14.88	14.17	31.32	8.00	6.25	12.00	.91	.66	3.15	3.15	17.75	1.845	0.500	2.125	2.48	16.70	5.25	3.91	19.13
326TS	14.88	14.17	29.82	8.00	6.25	12.00	.91	.66	3.15	3.15	17.75	1.591	0.500	1.875	2.48	16.70	5.25	2.03	19.13
364T	16.40	14.40	32.54	9.00	7.00	11.25	.98	.66	3.15	4.73	19.10	2.021	0.625	2.375	3.58	16.63	5.88	4.28	21.30
364TS	16.40	14.40	30.41	9.00	7.00	11.25	.98	.66	3.15	4.73	19.10	1.591	0.500	1.875	3.58	16.63	5.88	2.03	21.30
365T	16.40	15.40	33.52	9.00	7.00	12.25	.98	.66	3.15	4.73	19.10	2.021	0.625	2.375	3.58	16.63	5.88	4.28	21.30
365TS	16.40	15.40	31.39	9.00	7.00	12.25	.98	.66	3.15	4.73	19.10	1.591	0.500	1.875	3.58	16.63	5.88	2.03	21.30

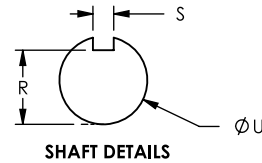
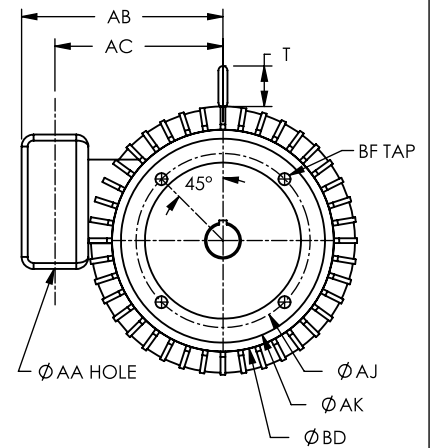
C-FACE TEFC, INTEGRAL HORSEPOWER-E MODEL MOTORS (143TC-365TC)



143TC & 145TC ONLY



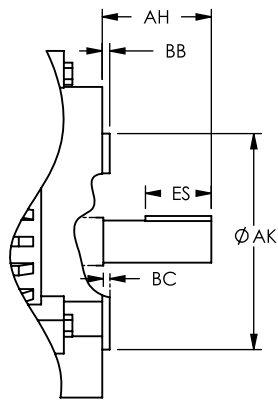
180TC AND LARGER



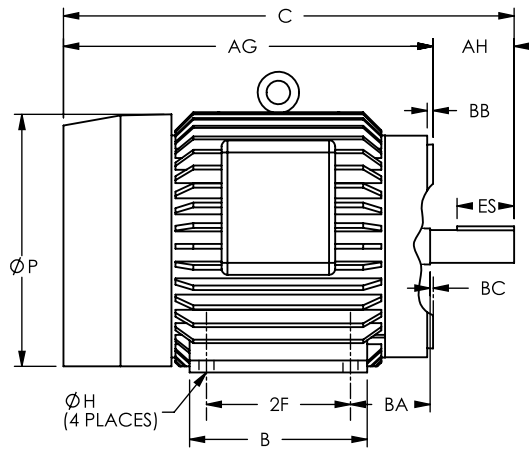
SHAFT DETAILS

FRAME	C	P	R	S	T	U	AA	AB	AH	AJ	AK	BB	BD	BF	ES	N-W
143TC	11.80	7.87	0.771	0.188	-	0.875	0.86	6.10	2.12	5.875	4.50	0.16	6.50	(4) 3/8-16	1.41	2.25
145TC	12.79	7.87	0.771	0.188	-	0.875	0.86	6.10	2.12	5.875	4.50	0.16	6.50	(4) 3/8-16	1.41	2.25
182TC	13.87	8.85	0.986	0.250	1.63	1.125	0.90	6.69	2.62	7.250	8.50	0.25	9.00	(4) 1/2-13	1.78	2.75
184TC	14.92	8.85	0.986	0.250	1.63	1.125	0.90	6.69	2.62	7.250	8.50	0.25	9.00	(4) 1/2-13	1.78	2.75
213TC	17.94	11.26	1.201	0.312	1.65	1.375	1.38	8.39	3.12	7.250	8.50	0.25	9.00	(4) 1/2-13	2.41	3.38
215TC	19.43	11.26	1.201	0.312	1.65	1.375	1.38	8.39	3.12	7.250	8.50	0.25	9.00	(4) 1/2-13	2.41	3.38
254TC	23.40	12.80	1.416	0.375	2.00	1.625	2.05	10.83	3.75	7.250	8.50	0.25	10.00	(4) 1/2-13	2.91	4.00
256TC	25.10	12.80	1.416	0.375	2.00	1.625	2.05	10.83	3.75	7.250	8.50	0.25	10.00	(4) 1/2-13	2.91	4.00
284TC	26.90	15.67	1.591	0.500	2.36	1.875	2.48	13.40	4.38	9.000	10.50	0.25	11.25	(4) 1/2-13	3.28	4.62
284TSC	25.53	15.67	1.416	0.375	2.36	1.625	2.48	13.40	3.00	9.000	10.50	0.25	11.25	(4) 1/2-13	1.91	3.25
286TC	28.40	15.67	1.591	0.500	2.36	1.875	2.48	13.40	4.38	9.000	10.50	0.25	11.25	(4) 1/2-13	3.28	4.62
286TSC	27.03	15.67	1.416	0.375	2.36	1.625	2.48	13.40	3.00	9.000	10.50	0.25	11.25	(4) 1/2-13	1.91	3.25
324TC	29.82	17.79	1.845	0.500	2.36	2.125	2.48	14.40	5.00	11.000	12.50	0.25	14.00	(4) 5/8-11	3.91	5.25
324TSC	28.32	17.79	1.591	0.500	2.36	1.875	2.48	14.40	3.50	11.000	12.50	0.25	14.00	(4) 5/8-11	2.03	3.75
326TC	31.32	17.79	1.845	0.500	2.36	2.125	2.48	14.40	5.00	11.000	12.50	0.25	14.00	(4) 5/8-11	3.91	5.25
326TSC	29.82	17.79	1.591	0.500	2.36	1.875	2.48	14.40	3.50	11.000	12.50	0.25	14.00	(4) 5/8-11	2.03	3.75
364TC	32.54	19.10	2.021	0.625	2.80	2.375	3.58	16.63	5.62	11.000	12.50	0.25	14.00	(8) 5/8-11	4.28	5.88
364TSC	30.41	19.10	1.591	0.500	2.80	1.875	3.58	16.63	3.50	11.000	12.50	0.25	14.00	(8) 5/8-11	2.03	3.75
365TC	33.52	19.10	2.021	0.625	2.80	2.375	3.58	16.63	5.62	11.000	12.50	0.25	14.00	(8) 5/8-11	4.28	5.88
365TSC	21.39	19.10	1.591	0.500	2.80	1.875	3.58	16.63	3.50	11.000	12.50	0.25	14.00	(8) 5/8-11	2.03	3.75

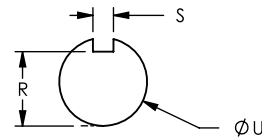
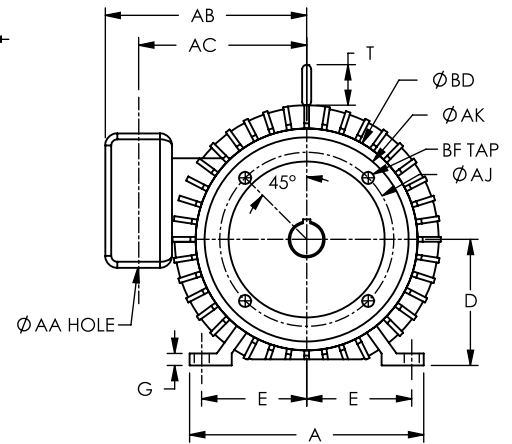
C-FACE FOOTED TEFC, INTEGRAL HORSEPOWER-E MODEL MOTORS (143TC-365TC)



143TC & 145TC ONLY



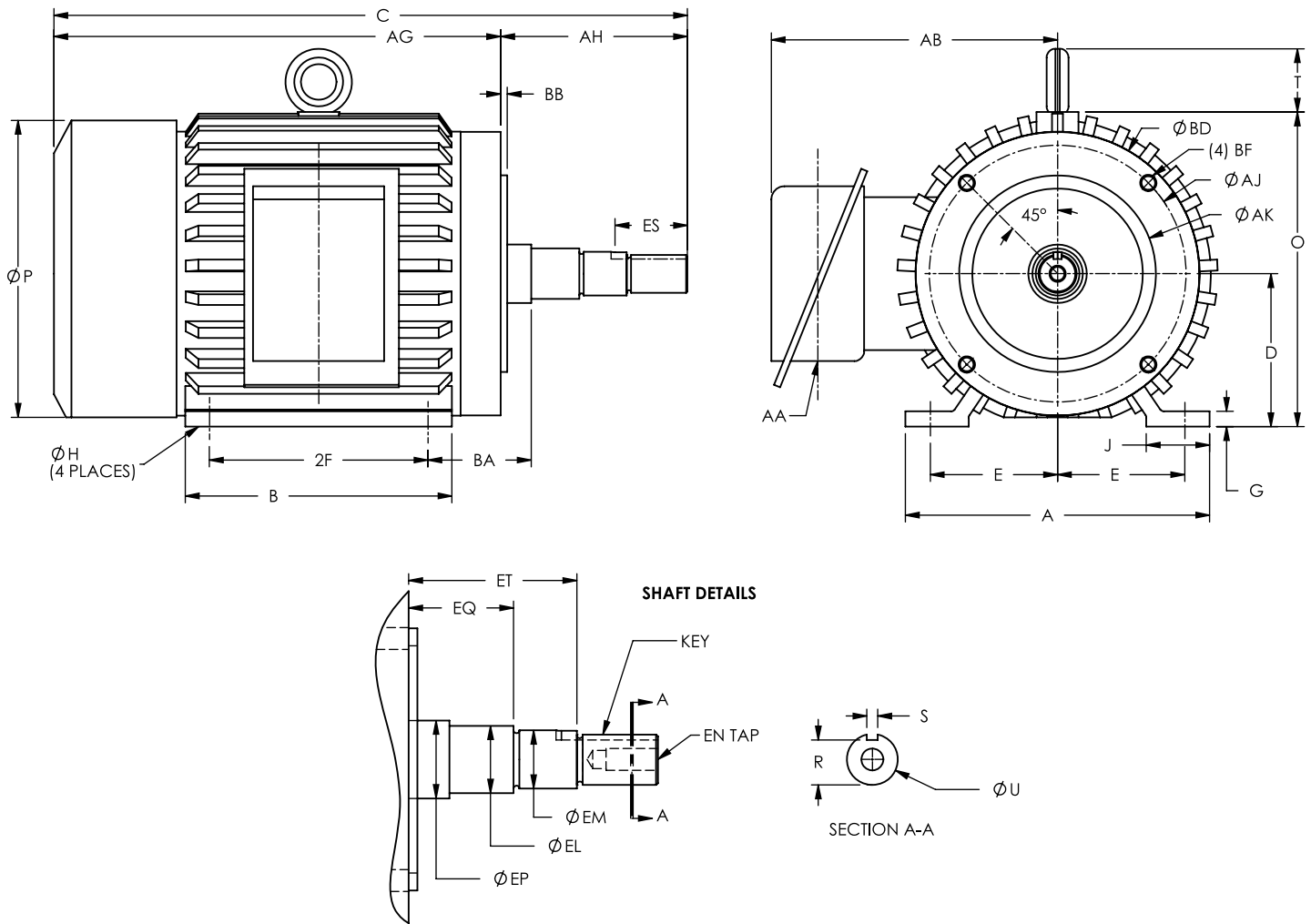
180TC AND LARGER



SHAFT DETAILS

FRAME	A	B	C	D	E	2F	G	H	P	R	S	T	U	AA	AB	AH	AJ	AK	BA	BB	BC	BF	ES
143TC	6.93	4.88	11.80	3.50	2.75	4.00	.35	.34	7.87	0.771	0.188	-	0.875	0.86	6.10	2.12	5.875	4.50	2.25	0.16	.12	(4) 3/8-16	1.41
145TC	6.93	5.87	12.79	3.50	2.75	5.00	.35	.34	7.87	0.771	0.188	-	0.875	0.86	6.10	2.12	5.875	4.50	2.25	0.16	.12	(4) 3/8-16	1.41
182TC	8.66	5.59	13.87	4.50	3.75	4.50	.56	.41	8.85	0.986	0.250	1.63	1.125	0.90	6.69	2.62	7.250	8.50	2.75	0.25	.12	(4) 1/2-13	1.78
184TC	8.66	6.61	14.92	4.50	3.75	5.50	.56	.41	8.85	0.986	0.250	1.63	1.125	0.90	6.69	2.62	7.250	8.50	2.75	0.25	.12	(4) 1/2-13	1.78
213TC	10.23	6.89	17.94	5.25	4.25	5.50	.65	.41	11.26	1.201	0.312	1.65	1.375	1.38	8.39	3.12	7.250	8.50	3.50	0.25	.25	(4) 1/2-13	2.41
215TC	10.23	8.39	19.43	5.25	4.25	7.00	.65	.41	11.26	1.201	0.312	1.65	1.375	1.38	8.39	3.12	7.250	8.50	3.50	0.25	.25	(4) 1/2-13	2.41
254TC	12.12	9.84	23.40	6.25	5.00	8.25	.71	.53	12.80	1.416	0.375	2.00	1.625	2.05	10.83	3.75	7.250	8.50	4.25	0.25	.25	(4) 1/2-13	2.91
256TC	12.12	11.60	25.10	6.25	5.00	10.00	.71	.53	12.80	1.416	0.375	2.00	1.625	2.05	10.83	3.75	7.250	8.50	4.25	0.25	.25	(4) 1/2-13	2.91
284TC	12.76	11.26	26.90	7.00	5.50	9.50	.79	.53	15.67	1.591	0.500	2.36	1.875	2.48	13.40	4.38	9.000	10.50	4.75	0.25	.25	(4) 1/2-13	3.28
284TSC	12.76	11.26	25.53	7.00	5.50	9.50	.79	.53	15.67	1.416	0.375	2.36	1.625	2.48	13.40	3.00	9.000	10.50	4.75	0.25	.25	(4) 1/2-13	1.91
286TC	12.76	12.76	28.40	7.00	5.50	11.00	.79	.53	15.67	1.591	0.500	2.36	1.875	2.48	13.40	4.38	9.000	10.50	4.75	0.25	.25	(4) 1/2-13	3.28
286TSC	12.76	12.76	27.03	7.00	5.50	11.00	.79	.53	15.67	1.416	0.375	2.36	1.625	2.48	13.40	3.00	9.000	10.50	4.75	0.25	.25	(4) 1/2-13	1.91
324TC	14.88	12.68	29.82	8.00	6.25	10.50	.91	.66	17.79	1.845	0.500	2.36	2.125	2.48	14.40	5.00	11.000	12.50	5.25	0.25	.25	(4) 5/8-11	3.91
324TSC	14.88	12.68	28.32	8.00	6.25	10.50	.91	.66	17.79	1.591	0.500	2.36	1.875	2.48	14.40	3.50	11.000	12.50	5.25	0.25	.25	(4) 5/8-11	2.03
326TC	14.88	14.17	31.32	8.00	6.25	12.00	.91	.66	17.79	1.845	0.500	2.36	2.125	2.48	14.40	5.00	11.000	12.50	5.25	0.25	.25	(4) 5/8-11	3.91
326TSC	14.88	14.17	29.82	8.00	6.25	12.00	.91	.66	17.79	1.591	0.500	2.36	1.875	2.48	14.40	3.50	11.000	12.50	5.25	0.25	.25	(4) 5/8-11	2.03
364TC	16.40	14.40	32.54	9.00	7.00	11.25	.98	.66	19.10	2.021	0.625	2.80	2.375	3.58	16.63	5.62	11.000	12.50	5.88	0.25	.25	(8) 5/8-11	4.28
364TSC	16.40	14.40	30.41	9.00	7.00	11.25	.98	.66	19.10	1.591	0.500	2.80	1.875	3.58	16.63	3.50	11.000	12.50	5.88	0.25	.25	(8) 5/8-11	2.03
365TC	16.40	15.40	33.52	9.00	7.00	12.25	.98	.66	19.10	2.021	0.625	2.80	2.375	3.58	16.63	5.62	11.000	12.50	5.88	0.25	.25	(8) 5/8-11	4.28
365TSC	16.40	15.40	31.39	9.00	7.00	12.25	.98	.66	19.10	1.591	0.500	2.80	1.875	3.58	16.63	3.50	11.000	12.50	5.88	0.25	.25	(8) 5/8-11	2.03

TEFC JM STYLE CLOSE COUPLED PUMP E-MODEL MOTORS (143JM-184JM)

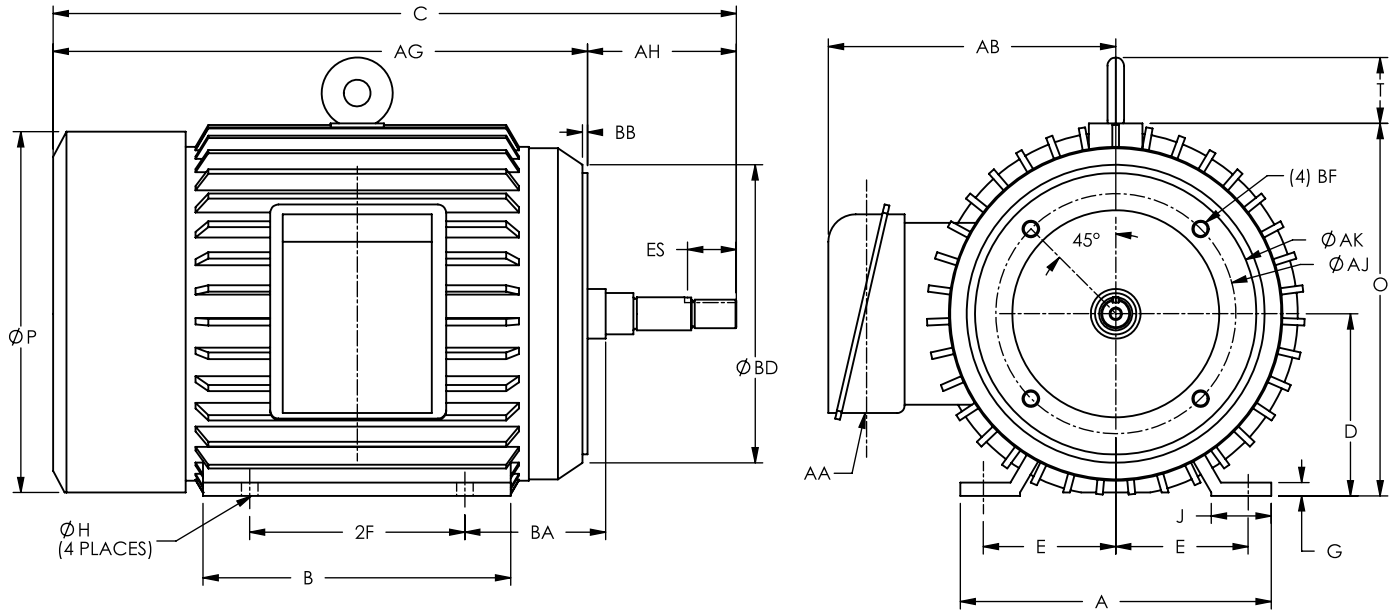


FRAME	A	B	C	D	E	2F	G	ØH	J	O	P	R	S	T	U	AA	AB
143JM	6.93	4.88	14.53	3.50	2.75	4.00	.35	.34	1.57	7.57	8.15	.771	.188	-	.8745	3/4" NPT	6.57
145JM	6.93	5.87	15.51	3.50	2.75	5.00	.35	.34	1.57	7.57	8.15	.771	.188	-	.8745	3/4" NPT	6.57
182JM	8.66	5.59	16.17	4.50	3.75	4.50	.56	.41	1.57	9.22	9.55	.771	.188	1.65	.8745	3/4" NPT	7.39
184JM	8.66	6.11	17.15	4.50	3.75	5.50	.56	.41	1.57	9.22	9.55	.771	.188	1.65	.8745	3/4" NPT	7.39

FRAME	AG	AH	AJ	AK	BA	BB	BD	BF	EL	EM	EN	EP	EQ	ES	ET
143JM	10.28	4.250	5.88	4.50	2.38	.16	6.50	3/8-16	1.156	1.00	3/8-16	1.16	.640	1.65	2.89
145JM	11.26	4.250	5.88	4.50	2.38	.16	6.50	3/8-16	1.156	1.00	3/8-16	1.16	.640	1.65	2.89
182JM	11.92	4.250	5.88	4.50	2.88	.16	6.50	3/8-16	1.250	1.00	3/8-16	1.25	.640	1.65	2.89
184JM	12.90	4.250	5.88	4.50	2.88	.16	6.50	3/8-16	1.250	1.00	3/8-16	1.25	.640	1.65	2.89

Dimensions subject to change without notice. Refer to factory for Certified drawing.

TEFC JM STYLE CLOSE COUPLED PUMP E-MODEL MOTORS (215JM-326JM)



SHAFT DETAILS

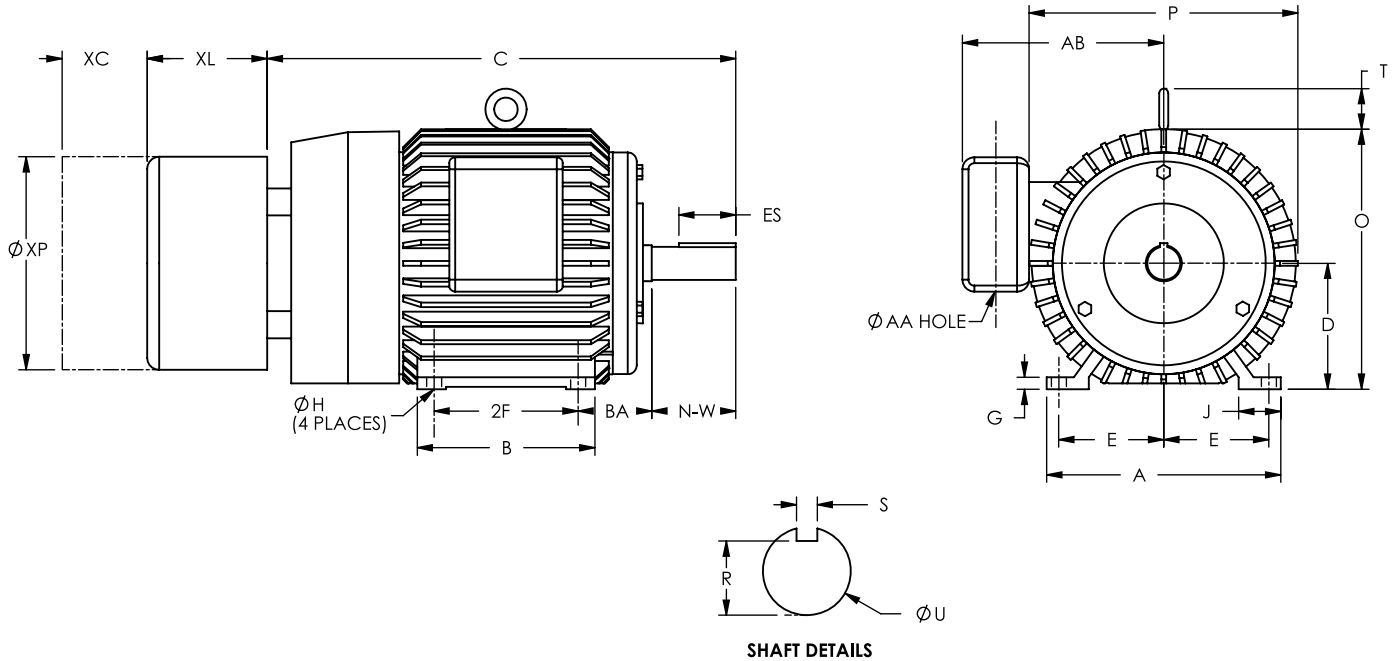
FRAME	A	B	C	D	E	2F	G	ØH	J	O	P	R	S	T	U	AA	AB
213JM	10.23	6.89	19.17	5.25	4.25	5.50	.65	.41	1.97	10.84	11.20	.771	.188	1.65	.8745	1" NPT	9.29
215JM	10.23	8.39	20.66	5.25	4.25	7.00	.65	.41	1.97	10.84	11.20	.771	.188	1.65	.8745	1" NPT	9.29
254JM	12.12	9.84	24.96	6.25	5.00	8.25	.71	.53	2.36	12.60	12.80	1.112	.250	2.00	1.249	1 1/4" NPT	11.14
256JM	12.12	11.60	26.66	6.25	5.00	10.00	.71	.53	2.36	12.60	12.80	1.112	.250	2.00	1.249	1 1/4" NPT	11.14
284JM	12.76	11.26	27.84	7.00	5.50	9.50	.79	.53	2.36	14.94	15.75	1.112	.250	2.36	1.249	1 1/2" NPT	13.98
286JM	12.76	12.76	29.34	7.00	5.50	11.00	.79	.53	2.36	14.94	15.75	1.112	.250	2.36	1.249	1 1/2" NPT	13.98
324JM	14.88	12.68	30.01	8.00	6.25	10.50	.91	.66	3.15	16.77	17.75	1.112	.250	2.36	1.249	2" NPT	14.37
326JM	14.88	14.17	31.63	8.00	6.25	12.00	.91	.66	3.15	16.77	17.75	1.112	.250	2.36	1.249	2" NPT	14.37

FRAME	AG	AH	AJ	AK	BA	BB	BD	BF	EL	EM	EN	EP	EQ	ES	ET
213JM	14.92	4.25	7.25	8.50	3.78	.31	9.00	1/2-13	1.250	1.000	3/8-16	1.75	.62	1.66	2.87
215JM	16.41	4.25	7.25	8.50	3.78	.31	9.00	1/2-13	1.250	1.000	3/8-16	1.75	.62	1.66	2.87
254JM	1.71	5.25	7.25	8.50	4.25	.31	10.00	1/2-13	1.750	1.375	1/2-13	1.75	.62	2.53	3.00
256JM	21.41	5.25	7.25	8.50	4.25	.31	10.00	1/2-13	1.750	1.375	1/2-13	1.75	.62	2.53	3.00
284JM	22.59	5.25	11.00	12.50	4.75	.31	14.00	5/8-11	1.750	1.375	1/2-13	2.13	.62	2.53	3.00
286JM	24.09	5.25	11.00	12.50	4.75	.31	14.00	5/8-11	1.750	1.375	1/2-13	2.13	.62	2.53	3.00
324JM	24.76	5.25	11.00	12.50	5.25	.31	14.00	5/8-11	1.750	1.375	1/2-13	2.13	.62	2.53	3.00
326JM	26.38	5.25	11.00	12.50	5.25	.31	14.00	5/8-11	1.750	1.375	1/2-13	2.13	.62	2.53	3.00

Dimensions subject to change without notice. Refer to factory for Certified drawing.

10/28/2010

FOOTED TEFC, INTEGRAL HORSEPOWER-E MODEL BRAKE MOTORS

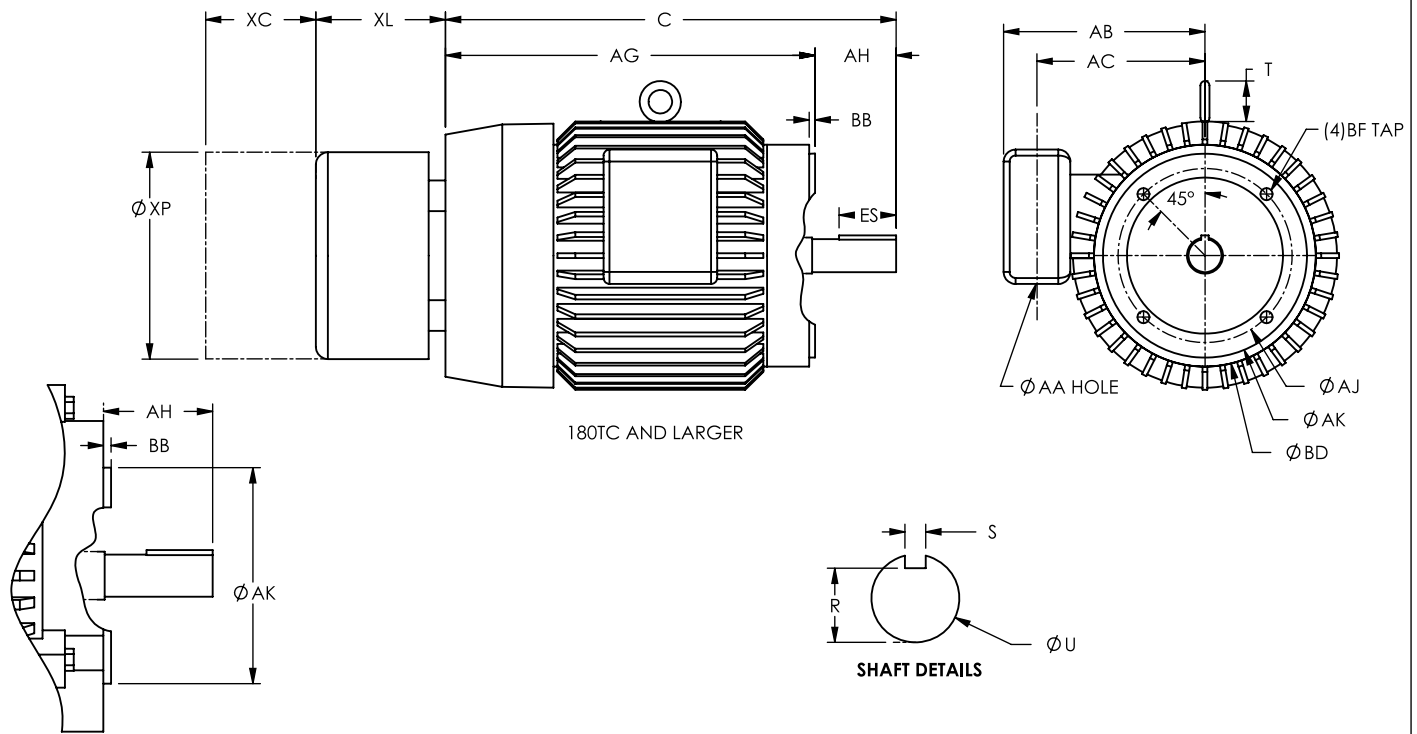


FRAME	A	B	C	D	E	2F	G	H	J	P	R	S	U	AA	AB	BA	ES	N-W	O+T
B143T	6.93	4.88	13.14	3.50	2.75	4.00	.35	.34	1.57	8.15	0.771	0.188	0.875	1.10	7.00	2.25	1.41	2.25	7.57
B145T	6.93	5.87	14.13	3.50	2.75	5.00	.35	.34	1.57	8.15	0.771	0.188	0.875	1.10	7.00	2.25	1.41	2.25	7.57
B182T	8.66	5.59	15.22	4.50	3.75	4.50	.56	.41	1.57	9.55	0.986	0.250	1.125	1.10	7.87	2.75	1.78	2.75	10.90
B184T	8.66	6.61	16.28	4.50	3.75	5.50	.56	.41	1.57	9.55	0.986	0.250	1.125	1.10	7.87	2.75	1.78	2.75	10.90
B213T	10.23	6.89	18.80	5.25	4.25	5.50	.65	.41	1.97	11.20	1.201	0.312	1.375	1.38	8.86	3.50	2.41	3.38	12.49
B215T	10.23	8.39	20.30	5.25	4.25	7.00	.65	.41	1.97	11.20	1.201	0.312	1.375	1.38	8.86	3.50	2.41	3.38	12.49
B254T	12.12	9.84	25.00	6.25	5.00	8.25	.71	.53	2.36	12.80	1.416	0.375	1.625	2.05	11.10	4.25	2.91	4.00	14.60
B256T	12.12	11.60	26.70	6.25	5.00	10.00	.71	.53	2.36	12.80	1.416	0.375	1.625	2.05	11.10	4.25	2.91	4.00	14.60
B284T	12.76	11.26	28.90	7.00	5.50	9.50	.79	.53	2.36	15.75	1.591	0.500	1.875	2.48	15.48	4.75	3.28	4.62	17.30
B286T	12.76	12.76	30.40	7.00	5.50	11.00	.79	.53	2.36	15.75	1.591	0.500	1.875	2.48	15.48	4.75	3.28	4.62	17.30

BRAKE INFO									
FRAME	FT. LB	STANDARD ENCLOSURE	XC*	XL	XP	WT/DT ENCLOSURE	XC*	XL	XP
B140T	3	56,000 SERIES	2.94	4.06	6.54	56,000 SERIES	2.94	4.06	6.54
B140T	6	56,000 SERIES	2.94	4.06	6.54	56,000 SERIES	2.94	4.06	6.54
B140T	10	56,000 SERIES	2.94	4.06	6.54	56,000 SERIES	2.94	4.06	6.54
B140/180T	15	56,000 SERIES	2.94	4.06	6.54	56,000 SERIES	2.94	4.06	6.54
B180T	25	56,000 SERIES	2.94	4.50	6.54	56,000 SERIES	2.94	4.51	6.54
B210T	25	87,000 SERIES	4.63	7.38	9.00	87,000 SERIES	4.69	7.56	9.00
B210T	35	87,000 SERIES	4.63	7.38	9.00	87,000 SERIES	4.69	7.56	9.00
B210T	50	87,000 SERIES	4.63	7.88	9.00	87,000 SERIES	4.69	8.06	9.00
B250T	50	87,000 SERIES	4.63	7.88	9.00	87,000 SERIES	4.69	8.06	9.00
B250T	75	87,000 SERIES	4.63	7.88	9.00	87,000 SERIES	4.69	8.06	9.00
B250T	105	87,000 SERIES	4.63	8.38	9.00	87,000 SERIES	4.69	8.56	9.00
B280T	75	87,100 SERIES	4.69	7.75	9.00	87,100 SERIES	4.69	7.94	9.00
B280T	105	87,100 SERIES	4.69	8.25	9.00	87,100 SERIES	4.69	8.44	9.00

*Clearance required to remove brake cover.
All brake dimensions given are with Stearns Brakes.

C-FACE TEFC, INTEGRAL HORSEPOWER-E MODEL BRAKE MOTORS



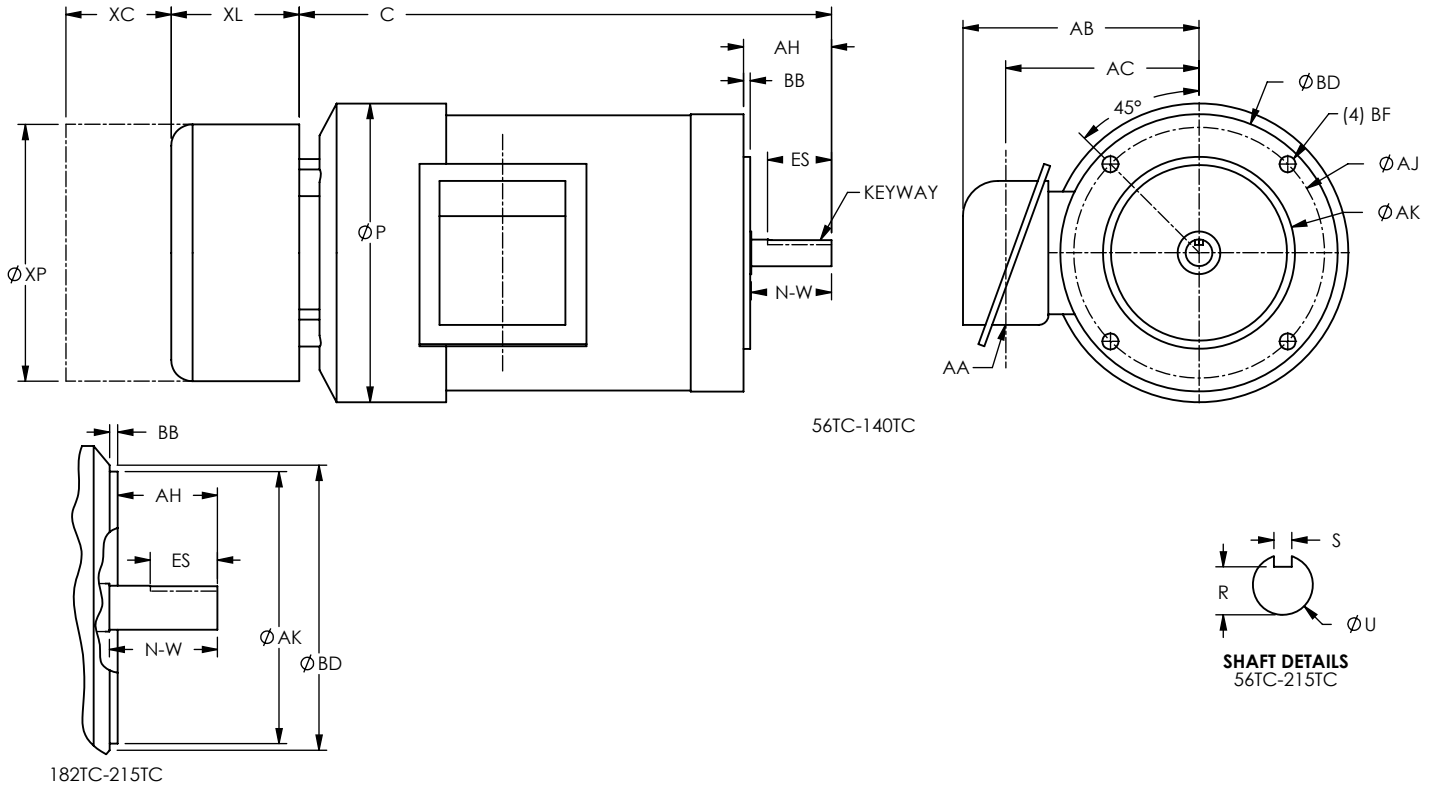
143TC & 145TC ONLY

FRAME	C	P	R	S	T	U	AA	AB	AG	AH	AJ	AK	BB	BD	BF	ES
B143TC	13.14	8.15	0.771	0.188	-	0.875	0.86	6.10	10.13	1.96	5.875	4.50	0.16	6.50	3/8-16	1.41
B145TC	14.13	8.15	0.771	0.188	-	0.875	0.86	6.10	11.12	1.96	5.875	4.50	0.16	6.50	3/8-16	1.41
B182TC	15.22	9.55	0.986	0.250	1.63	1.125	0.90	6.69	11.81	2.62	7.250	8.50	0.25	9.00	1/2-13	1.78
B184TC	16.28	9.55	0.986	0.250	1.63	1.125	0.90	6.69	12.80	2.62	7.250	8.50	0.25	9.00	1/2-13	1.78
B213TC	18.80	11.20	1.201	0.312	1.65	1.375	1.38	8.39	14.82	3.12	7.250	8.50	0.25	9.00	1/2-13	2.41
B215TC	20.30	11.20	1.201	0.312	1.65	1.375	1.38	8.39	16.31	3.12	7.250	8.50	0.25	9.00	1/2-13	2.41
B254TC	25.00	12.80	1.416	0.375	2.00	1.625	2.05	10.83	19.65	3.75	7.250	8.50	0.25	10.00	1/2-13	2.91
B256TC	26.70	12.80	1.416	0.375	2.00	1.625	2.05	10.83	21.35	3.75	7.250	8.50	0.25	10.00	1/2-13	2.91
B284TC	28.90	15.75	1.591	0.500	2.36	1.875	2.48	13.40	22.52	4.38	9.000	10.50	0.25	11.25	1/2-13	3.28
B286TC	30.40	15.75	1.591	0.500	2.36	1.875	2.48	13.40	24.02	4.38	9.000	10.50	0.25	11.25	1/2-13	3.28

BRAKE INFO										
FRAME	FT. LB	STANDARD ENCLOSURE	XC*	XL	XP	WT/DT ENCLOSURE	XC*	XL	XP	
B140TC	3	56,000 SERIES	2.94	4.06	6.54	56,000 SERIES	2.94	4.06	6.54	
B140TC	6	56,000 SERIES	2.94	4.06	6.54	56,000 SERIES	2.94	4.06	6.54	
B140TC	10	56,000 SERIES	2.94	4.06	6.54	56,000 SERIES	2.94	4.06	6.54	
B140/180TC	15	56,000 SERIES	2.94	4.06	6.54	56,000 SERIES	2.94	4.06	6.54	
B180TC	25	56,000 SERIES	2.94	4.50	6.54	56,000 SERIES	2.94	4.51	6.54	
B210TC	25	87,000 SERIES	4.63	7.38	9.00	87,000 SERIES	4.69	7.56	9.00	
B210TC	35	87,000 SERIES	4.63	7.38	9.00	87,000 SERIES	4.69	7.56	9.00	
B210TC	50	87,000 SERIES	4.63	7.88	9.00	87,000 SERIES	4.69	8.06	9.00	
B250TC	50	87,000 SERIES	4.63	7.88	9.00	87,000 SERIES	4.69	8.06	9.00	
B250TC	75	87,000 SERIES	4.63	7.88	9.00	87,000 SERIES	4.69	8.06	9.00	
B250TC	105	87,000 SERIES	4.63	8.38	9.00	87,000 SERIES	4.69	8.56	9.00	
B280TC	75	87,100 SERIES	4.69	7.75	9.00	87,100 SERIES	4.69	7.94	9.00	
B280TC	105	87,100 SERIES	4.69	8.25	9.00	87,100 SERIES	4.69	8.44	9.00	

* Clearance required to remove brake cover.
all brake dimensions given are with Stearns Brakes.

C-FACE TEFC ROLLED STEEL BRAKE MOTORS 56TC-215TC



HP	FRAME	C	P	R	S	U	AA	AB	AC	AH	AJ	AK	BB	BD	BF	ES	N-W
1.0	143TC	10.50	7.18	0.771	.188	.875	.87	5.55	4.29	2.12	5.88	4.50	.16	6.50	3/8-16	1.41	2.25
1.5	145TC	10.88	7.18	0.771	.188	.875	.87	5.55	4.29	2.12	5.88	4.50	.16	6.50	3/8-16	1.41	2.25
2.0	145TC	11.47	7.18	0.771	.188	.875	.87	5.55	4.29	2.12	5.88	4.50	.16	6.50	3/8-16	1.41	2.25
3.0	182TC	17.05	8.82	0.986	.250	1.125	1.10	6.50	5.17	2.62	7.25	8.50	.25	8.86	1/2-13	1.78	2.75
5.0	184TC	17.05	8.82	0.986	.250	1.125	1.10	6.50	5.17	2.62	7.25	8.50	.25	8.86	1/2-13	1.78	2.75
7.5	213TC	20.99	11.18	1.201	.312	1.375	1.10	7.68	6.38	3.12	7.25	8.50	.25	9.00	1/2-13	2.41	3.38
10	215TC	20.99	11.18	1.201	.312	1.375	1.10	7.68	6.38	3.12	7.25	8.50	.25	9.00	1/2-13	2.41	3.38

BRAKE INFO									
FRAME	FT. LB.	STANDARD ENCLOSURE	XC*	XL	XP	WT/DT ENCLOSURE	XC*	XL	XP
B140TC	3	56,000 SERIES	2.94	4.06	6.54	56,000 SERIES	2.94	4.06	6.54
B140TC	6	56,000 SERIES	2.94	4.06	6.54	56,000 SERIES	2.94	4.06	6.54
B140TC	10	56,000 SERIES	2.94	4.06	6.54	56,000 SERIES	2.94	4.06	6.54
B140/180TC	15	56,000 SERIES	2.94	4.06	6.54	56,000 SERIES	2.94	4.06	6.54
B180TC	25	56,000 SERIES	2.94	4.50	6.54	56,000 SERIES	2.94	4.51	6.54
B210TC	25	87,000 SERIES	4.63	7.38	9.00	87,000 SERIES	4.69	7.56	9.00
B210TC	35	87,000 SERIES	4.63	7.38	9.00	87,000 SERIES	4.69	7.56	9.00
B210TC	50	87,000 SERIES	4.63	7.88	9.00	87,000 SERIES	4.69	8.06	9.00

*Clearance required to remove brake cover.
All brake dimensions given are with Stearns Brakes.

MODEL NUMBER CODE

SUFFIX

BASIC

EXAMPLE:

E B 015 4 F F A | 01 or 050* S

Series	Type	HP @ Max. RPM†	Poles	Enclosure/Type	Features	HZ/Volts	Special Modifications	Brake Ft-Lbs	Brake Vendor
D- D-Series Frame 140T and larger Rolled Steel	A- 60 Min. C&H Duty B- NEMA Design B C- NEMA Design C D- NEMA Design D	Y03 - 1/3 Y05 - 1/2 Y07 - 3/4 Y08 - 7/8 Y15 - 1-1/2 Y75 - 7-1/2	2 - 2 4 - 4 6 - 6 8 - 8 E - 10 F - 12 G - 16 J - 2/4 K - 4/6 L - 4/8 M - 4/12 N - 4/16 P - 6/8 R - 6/12 S - 8/16 T - 4/6/8/12	B- TEBC Blower Cooled C- TEFC Steril-Core D- Drip Proof F- TEFC G- TEFC Farm Duty H- TEFC Threaded Shaft/ with Auto Reset I- TEFC Threaded Shaft J- TEFC/Auto Reset K- TEFC Man. Reset L- TEFC Mill & Chem Duty M- TENV Steril-Seal Washdown N- TENV P- TEFC Steril-Seal Washdown R- TENV Premium Stainless Steel / IP66 S- TEFC Premium Stainless Steel / IP66 T- TENV/Auto Reset Y- Explosion Proof	A- C- Face Footed 2-P Long Shaft B- C- Face Footed C- C- Face Footless D- D- Flange Footless E- D- Flange Footed F- Foot Mount G- C- Face Footless with Locked Bearing H- C- Face Footed with Locked Bearing J- C.C. Pump (JM) K- C.C. Pump (JP) L- Std. NEMA D.E. Shaft & C- Face Both Ends. Footless M- 50/208/416 N- 50/220 O- 50/380 P- 50/400 R- 50/200/400 S- 50/220/440 T- 50/Other U- 50/60/190/380/ 230/460 V- 60/230/460/796 W- 60/115/208-230 1-Phase X- 60/208-230 Z- Special	01- Numbers assigned per customer specifications	Y15=1.5 001=1 010=10 100=100	S=Stearns D=Drings L=Lenze R=Reuland W=Warner	

* In case of vector motors, the PPR rating of the encoder follows the model number instead of the foot-pound rating of the brake.

‡ Check nominal of poles and horsepower rating to determine whether unit is Constant Horsepower or Variable Torque.

† HP at nominal 60Hz for variable frequency inverter/vector duty motors.

CONDITIONS OF SALE

Acceptance of your order is subject to the following terms and conditions as well as the condition of sale stated in the Price Book, which may not be superseded or modified in any manner by the terms of your purchase order unless specifically agreed to in writing by Sterling Electric, Inc. ("the Company");

1. **WARRANTY** – The Company warrants that all of its own manufactured products will be of the kind and quality described in the specifications established at time of purchase, and no other warranty, except of title, is herein expressed and none shall be implied. The conditions of any test of the products shall be mutually agreed upon, and the Company shall be notified of and may be represented at all tests that may be made. If any failure to comply with the specifications appears within one year from the date of shipment the Purchaser shall notify the Company thereof immediately. Failure to notify the Company within such period shall relieve said Company from any and all obligations. The liability of the Company (except as to title) arising out of the supplying of said products or their use, whether on warranties or otherwise, shall not in any case exceed the least of the cost or correcting defects in the products, by repair or by supplying a replacement, f.o.b. factory, of the defective part or parts. Upon expiration of (1) year from the date of shipment all such liability shall terminate.

THE FOREGOING WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, WITH RESPECT TO THE PRODUCT. INCLUDING ANY IMPLIED OR STATUTORY WARRANTY OF MERCHANTABILITY OR FITNESS FOR PURPOSE. NEITHER COMPANY NOR ITS SUPPLIERS SHALL BE LIABLE, WHETHER IN CONTRACT OR IN TORT OR UNDER ANY OTHER LEGAL THEORY, FOR LOSS OF USE, REVENUE OR PROFIT, OR FOR COST OF CAPITOL OR OF SUBSTITUTIVE USE OR PERFORMANCE, OR FOR INCIDENTAL, INDIRECT, SPECIAL OR CONSEQUENTIAL DAMAGES, OR FOR ANY OTHER LOSS OR COST OF SIMILAR TYPE, OR FOR CLAIMS BY PURCHASER FOR DAMAGES OR PURCHASER'S CUSTOMERS.

The Company is not responsible for damage to products or injury to persons or property due to abuse, improper installation or storage, alteration or modification, use other than for which originally sold, or through operations above rated load, either intentionally or otherwise, of any product or part. Further the Company shall not under any circumstances, be liable for the fault, negligence, or wrongful acts of purchaser of Purchaser's employees, or Purchaser's other contractors or suppliers. If any Purchaser fails to comply with the stipulated conditions of operation, or fails to permit the Company to inspect defects before repairing, or alters the product in any way, or fails to maintain the equipment in as-is shipped condition in storage, the Company's responsibility shall terminate.

2. **CHANGE OF PRICES/ORDERS** – A minimum charge of \$50.00 shall be charged on any order. Any order changes requested by Purchaser after order has been entered shall incur a minimum charge of \$50.00. In addition, charges will be made to cover the cost of re-engineering, drafting, parts scrapped because of the change and Price Book modifications caused by the change.

In the event of a price change, prices on the unshipped portions of all orders are subject to the price in effect at the time of shipment. Exceptions to these terms are stated in the Price Book Conditions of Sale.

3. **SHIPPING AND STORAGE** – Products shall be shipped f.o.b. point of shipment, no freight allowed. Shipping methods or carriers are at the discretion of the Company. Date of shipment shall be the date shown on bill of lading for receipt of shipment by initial carrier. The Company is not responsible for any damage incurred during delivery by common carrier. Purchaser shall file claim against the carrier. All storage claims must be filled within (10) days of the receipt of shipment.

Special storage preparation is recommended for products that will not be put in service within ninety days of shipment. Charges for this service are specified in catalog 705 and the Conditions of Sale. Failure to request such storage preparation will void the warranty on products stored over ninety days.

4. **TERMS OF PAYMENT** – Unless otherwise arranged, terms of payment are cash in full within thirty days of invoice date. Payment will be in U.S. Dollars. On late payments, in the contract price shall, without prejudice to the Company's right to immediate payment, be increased 1% per month on the unpaid balance, but not to exceed the maximum permitted by law.

If at anytime in the Company's judgment the Purchaser may be or may become unable or unwilling to meet the terms specified, the Company may require satisfactory assurances, full or partial payment, as a condition to commencing or continuing manufacture of making shipment, and may, if shipment has been made, recover the product(s) from the carrier, pending receipt of such assurances.

5. **CANCELLATION** – Cancellation of this order may be made by written notice to Company provided that payment of cost incurred by the Company, to the time such notice is received, is made by Purchaser.

6. **PATENTS** – The Company shall defend any suit or proceeding brought against the Purchaser so far as based on a claim that any product, or any part thereof, furnished under this contract constitutes an infringement of any patent of the United States. If notified promptly in writing and given authority, information and assistance (at the Company's expense) for the defense of same, and the Company shall pay all damages and cost awarded therein against the Purchaser. In case said product, or any part thereof, is in such suit held to constitute infringement and the use of said product or part is enjoined, the Company shall, at its own expense, either procure for the Purchaser the right to continue using said product or part; or replace same with non-infringing product; or modify it so that it becomes non-infringing; or remove said product and refund the purchase price and the transportation and installation costs thereof. The forgoing states the entire liability of the company for patent infringement by said product or any part thereof.

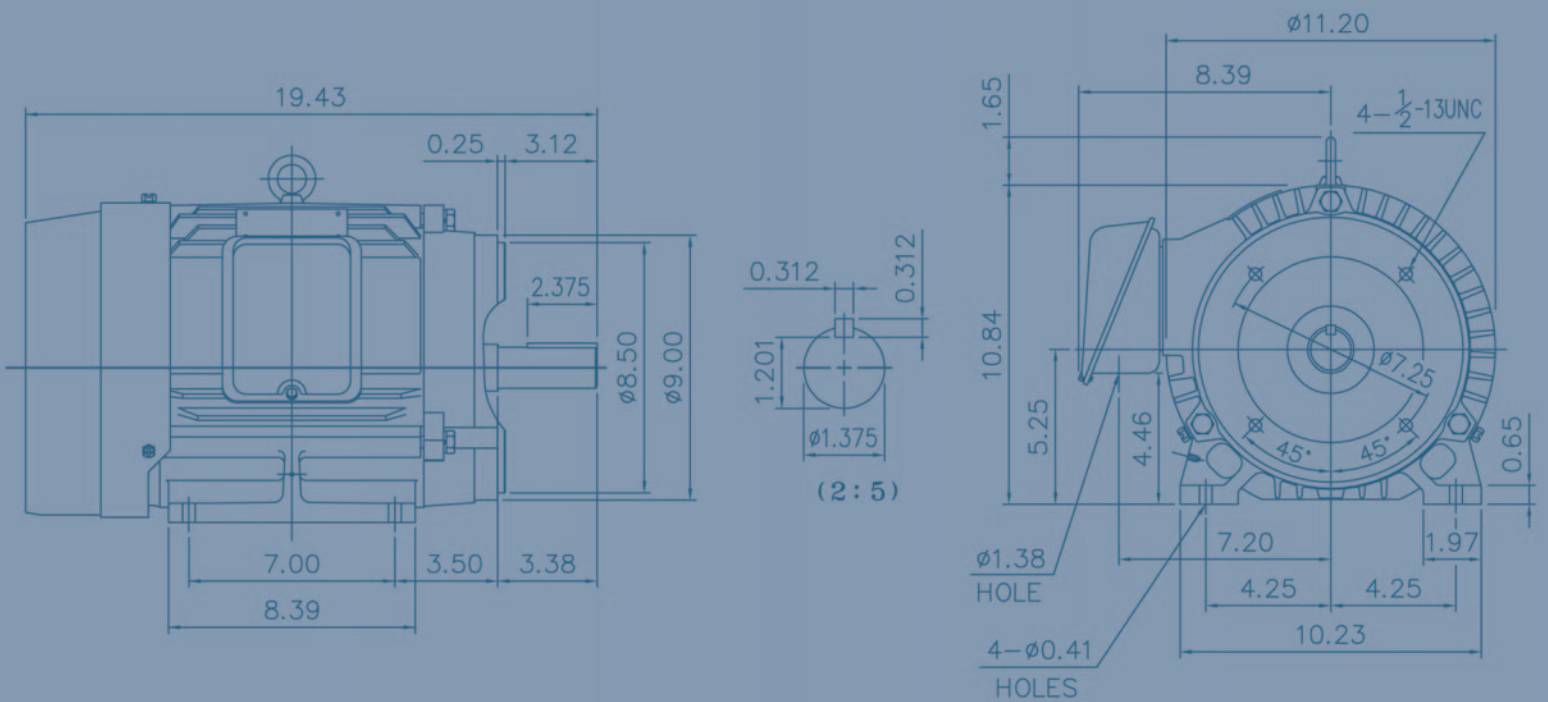
7. **DELIVERY/DELAY** – Shipping dates are estimates and are based upon prompt receipt of all necessary information. The Company shall not be liable for delay due to causes beyond its reasonable control, including but not limited to acts of God, acts of failure to act of government, acts or regulations of the federal or state governments, acts or omissions of the Purchaser, acts of civil or military authorities, priorities, fires, strikes, blizzards, earthquakes, tornadoes, floods, epidemics, quarantine restrictions, war, riots, delays in transportation, car, shortages, and inability, due to reasons beyond its reasonable control, to obtain necessary labor, material, or manufacturing facilities. In the event of any such delay, the date of the delivery shall be extended for a period equal to the time lost by reason of the delay and its consequences. Delay caused by Purchaser's request or amendment or addition to order shall cause the Company to apply those prices and price policy clauses in effect as of the date said order is finally released.

8. **TAXES** – The Company's prices do not include sales, use, excise, license or similar taxes. Consequently, in addition to the price specified herein, the amount of any present or future sales, use, excise, license or other similar tax applicable to the sale of the equipment, parts or accessories hereunder shall be paid by the Purchaser, or in lieu thereof the Purchaser shall provide the Company with a tax exemption certificate acceptable to the taxing authorities.

9. **TITLE** – The title and right of possession of the equipment, parts or accessories sold hereunder shall remain with the Company and such equipment shall remain personal property until all payments hereunder (including deferred payments, whether evidenced by notes or otherwise) shall have been made in full in cash and the Purchaser agrees to do all acts necessary to protect and maintain such right and title in the Company.

10. **WAIVER/INDEMNITY** – No waiver or modification of any of these terms and conditions of sale shall be valid unless it is made in writing and signed by both Company and Purchaser. Failure by the Company to enforce any right possessed under the foregoing terms and conditions shall not constitute a waiver thereof or establish a custom. Purchaser shall protect, defend, indemnify and hold harmless the Company for all loss, cost or expense arising out of any breach of these Conditions of Sale or negligent act of the Purchaser.

11. **LAWS/LIMITATIONS** – The Company will comply with all applicable Federal, State and local laws, and hereby represents that any goods to be delivered hereunder will be produced in compliance with the requirements of the Fair Labor Standards Act of 1938, as amended. The laws of the State of California shall govern the validity, interpretation and enforcement of this contract. No action, regardless of form, arising out of the sale of use of the products which are the subject of this contract may be brought by either party more than one year after the cause of action has accrued, except on action for nonpayment of the purchase price brought within one year after the last payment due date.



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