

General Purpose



North American Electric, Inc.



Single Phase & Three-Phase Motors

***Cast Iron, Aluminum or Rolled Steel Frame
NEMA Design B—TEFC or ODP***



NEMA
Premium

ISO9001
CERTIFIED





MISSION STATEMENT

To provide complete automation solutions for the United States and international market with products and service that meet or exceed customer expectations for quality, performance, and reliability at the lowest possible cost and delivered within the customer's schedule, through our authorized distribution network.

COMPANY HISTORY

In 1993, North American Electric began sourcing high quality, high performance electric motors and gearing from around the world and distributed the, on a national and international level. In 2014, we opened our NAE Motor Controls division enabling us to offer our wholesale distribution network complete automation solutions.



Motors



Motor Controls

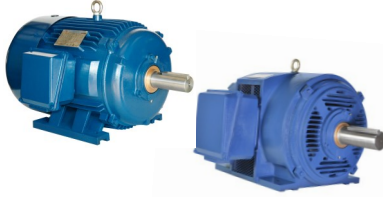


Gear Reducers



**GENERAL PURPOSE
INVERTER DUTY MOTORS**

1 HP—300 HP; 2, 4, 6 or 8-Pole
NEMA Design B
Totally Enclosed Fan Cooled or
Open Drip Proof
Inverter Duty (20:1 VT; 10:1 CT)



**ALUMINUM FRAME
INVERTER DUTY MOTORS**

1 HP—10 HP; 2 or 4-Pole
Totally Enclosed Fan Cooled
Inverter Duty (20:1 VT; 10:1 CT)



CRUSHER DUTY MOTORS

1 HP—600 HP; 4, 6 or 8-Pole
NEMA Design C
Totally Enclosed Fan Cooled
Inverter Duty (20:1 VT; 10:1 CT) (1 HP—300 HP)
Inverter Rated (10:1 VT; 5:1 CT) (250 HP—600 HP)



ROUND BODY MOTORS

1 HP—30 HP; 4-Pole; 1800 RPM
C-Flange without Feet
Totally Enclosed Fan Cooled
Inverter Duty (20:1 VT; 10:1 CT)



SINGLE PHASE, 56C FRAME, TEFC

1/3 HP—2 HP; 2 or 4-Pole
High Starting Torques
Capacitor Start / Capacitor Run Design
Rolled Steel Construction
Removable Feet



SINGLE PHASE, FARM DUTY, TEFC

1/3 HP—10 HP; 2 or 4-Pole
High Starting Torques
Manual Overload Protection (1/3 – 5 HP)
Capacitor Start / Capacitor Run Design
Rolled Steel Construction



SINGLE PHASE, OPEN DRIP PROOF

3 HP—5 HP; 2 or 4-Pole
High Starting Torque
Capacitor Start / Capacitor Run Design
Rolled Steel Construction



THREE-PHASE, 56C FRAME, TEFC

1/3 HP—3 HP; 2 or 4-Pole
High Starting Torque
Rolled Steel Construction
Removable Feet



THREE-PHASE, TEFC

1 HP—10 HP; 2 or 4-Pole
High Starting Torque
Rolled Steel Construction



THREE-PHASE, OPEN DRIP PROOF

1 HP—20 HP; 2 or 4-Pole
High Starting Torque
Rolled Steel Construction



**STAINLESS STEEL
WASHDOWN DUTY MOTORS**

1/3 HP—20 HP; 2, 4 or 6-Pole
C-Flange w/ Feet or Round Body
Inverter Duty (20:1 VT; 10:1 CT)



CLOSE COUPLED PUMP MOTORS

1 HP—75 HP; 2 or 4-Pole
Totally Enclosed Fan Cooled
Inverter Duty (20:1 VT; 10:1 CT)



EXPLOSION PROOF MOTORS

1—250 HP; 2, 4 or 6-Pole
All Motors Meet or Exceed UL 674
Specification
As Required By OSHA For Installation and Use
In Hazardous Locations
Totally Enclosed Explosion Proof (TEXP)
Inverter Rated (10:1 VT; 5:1 CT)



OIL WELL PUMP MOTORS, TEFC

2 HP—150 HP; 6 or 8-Pole
NEMA Design D; High Slip (5%—8% Slip)
Special Purpose Oil Well Pump Motors
Inverter Duty (20:1 VT; 10:1 CT)



OIL WELL PUMP MOTORS, ODP

7.5 HP—100 HP; 6-Pole
NEMA Design D; High Slip (5%—8% Slip)
Special Purpose Oil Well Pump Motors
Inverter Duty (20:1 VT; 10:1 CT)



**VERTICAL HOLLOW SHAFT
PUMP MOTORS**

10 HP—500 HP; 4-Pole
Extra High Thrust / Double Stacked
Bearings Available
Inverter Rated (10:1 VT) or
Inverter Duty (20:1 VT)



**ROTARY UNIT FOR ROTARY
PHASE CONVERTER**

3 HP—60 HP; 4-Pole
For Use with Rotary Phase Converters
To Run Three Phase Equipment From
Single Phase Power
Totally Enclosed Fan Cooled



**SHAFT MOUNT REDUCERS &
ACCESSORIES**

2—10 Box Size
Gear Ratios: 15:1 or 25:1
Screw Conveyor Adaptors Available
Repair Kits Also Available



MOTOR CONTROLS:

SAFETY SWITCHES
ACROSS THE LINE STARTERS
PART WIND STARTERS
SOFT STARTERS
VFDs



MOTOR SLIDE BASES

Available 56—505U Frame
Single-Adjusting Screw Type (56—145T Frame)
Double-Adjusting Screw Type (182T—505U Frame)



General Purpose—Heavy Duty Cast Iron

Three-Phase, 143T—586/7UZ Frame

Totally Enclosed Fan Cooled (TEFC)

Inverter Duty (20:1 VT; 10:1 CT) (1 HP to 300 HP)

Inverter Rated (10:1 VT; 5:1 CT) (350 HP to 600HP)

NEMA MG-1, PART 31, TABLE 12-12 (unless otherwise noted)

CLASS I, DIV II GROUPS ABCD, T2B

CLASS II, DIV II GROUPS F & G

1 HP—600 HP GENERAL PURPOSE CAST IRON

143T—586/7UZ FRAME
THREE-PHASE
TEFC

Standard Features Include:

- ❶ 1 HP—600 HP in Stock
- ❷ 1.15 Service Factor @ 60 Hertz; 1.0 Service Factor @ 50 Hertz;
Suitable for 575V @ 1.0 Service Factor
- ❸ Sealed Bearings Through 215T Frame;
Regreasable Open Bearings 254T Frame and Above;
Insulated Bearing on ODE Available on 444T and Above
- ❹ Class F Insulation System; Class B Rise at Full Load;
Class H Vacuum Pressure Impregnation (VPI) Resin for All Windings
- ❺ 40° C Ambient Continuous Duty
- ❻ Stainless Steel Nameplate and Zinc Plate Hardware
- ❼ NEMA Design B Performance / High Starting Torque
- ❽ Feet are Dual Drilled for Mounting Flexibility
- ❾ Dual Voltage Ratings Suitable for Part Wind Start on Lower Voltage;
Single Voltage (460V) Ratings are Suitable for Part Wind Start
- ❿ Corrosion Resistant Epoxy Paint
- ⓫ F1 / F2 Reversible
- ⓬ Lifting Provision
- ⓭ Condensation Drains with Plugs
- ⓮ Windings Rated for 2200V Peak Voltage Spikes
- ⓯ IP55 Protection
- ⓰ Three (3) Year Warranty (Extended Warranty Available)
- ⓱ C-Flange & D-Flange Field Conversion Kits Available⁹



1 HP—300 HP



350 HP—600 HP



APPLICATIONS:

General purpose use on pumps, fans, blowers, compressors, conveyors, material handling and other industrial machinery installed in damp, dusty or dirty environments. Suitable for use with variable frequency drives.

HP	RPM	FRAME	VOLTS	CATALOG NUMBER	FRAME TYPE	LIST PRICE	MULT. SYM.	FULL EFF %	"C" DIM.	WT. (LBS.)	NOTES
1	1800	143T	208-230/460	PE143T-1-4	NEWT	\$305	M16	85.5	13.6	55	1,2,5
	1800	143T	575	PE143T-1-4-575V	NEWT	\$325	M16	85.5	13.6	55	1,2,5
	1200	145T	208-230/460	PE145T-1-6	NEWT	\$425	M16	82.5	14.6	68	1,2,5
	1200	145T	575	PE145T-1-6-575V	NEWT	\$440	M16	82.5	14.6	68	1,2,5
1.5	3600	143T	208-230/460	PE143T-1.5-2	NEWT	\$415	M16	84.0	13.6	60	1,2,5
	3600	143T	575	PE143T-1.5-2-575V	NEWT	\$450	M16	84.0	13.6	60	1,2,5
	1800	145T	208-230/460	PE145T-1.5-4	NEWT	\$390	M16	86.5	14.6	62	1,2,5
	1800	145T	575	PE145T-1.5-4-575V	NEWT	\$435	M16	86.5	14.6	62	1,2,5
	1200	182T	208-230/460	PE182T-1.5-6	NEWT	\$485	M16	87.5	16.1	90	1,2,5
	1200	182T	575	PE182T-1.5-6-575V	NEWT	\$525	M16	87.5	16.1	90	1,2,5

¹ NEMA Premium[®] (NEMA MG-1, Table 12-12)

² Inverter Duty (20:1 Variable Torque; 10:1 Constant Torque)

³ 12 Lead Part Wind Start at 230V

⁴ 12 Lead Part Wind Start at 460V

⁵ Ball Bearing on Drive End

⁶ Insulated Bearing on Opposite Drive End

⁷ Equipped with Terminal Blocks as Standard

⁸ Inverter Rated (10:1 Variable Torque; 5:1 Constant Torque)

⁹ See p. 19 for C- and D-Flange Conversion Kits

Performance Data on pp. 25—26
Dimensions on p. 32
Warranty on p. 42

General Purpose—Heavy Duty Cast Iron
Three-Phase, 143TC—449TC Frame
Totally Enclosed Fan Cooled (TEFC)
Inverter Duty (20:1 VT; 10:1 CT)
NEMA MG-1, PART 31, TABLE 12-12
CLASS I, DIV II GROUPS ABCD, T2B
CLASS II, DIV II GROUPS F & G

1 HP—300 HP
GENERAL PURPOSE
C-FLANGE W/ FEET
CAST IRON
143TC—449TC FRAME
THREE-PHASE
TEFC

Standard Features Include:

- 1 1 HP—300 HP in Stock
- 2 1.15 Service Factor @ 60 Hertz; 1.0 Service Factor @ 50 Hertz
- 3 Sealed Bearings Through 215T Frame;
Regreasable Open Bearings 254T Frame and Above;
Insulated Bearing on ODE Available on 444T and Above
- 4 Class F Insulation System; Class B Rise at Full Load;
Class H Vacuum Pressure Impregnation (VPI) Resin for All Windings
- 5 40°C Ambient Continuous Duty
- 6 Stainless Steel Nameplate and Zinc Plate Hardware
- 7 NEMA Design B Performance / High Starting Torque
- 8 Feet are Dual Drilled for Mounting Flexibility
- 9 Dual Voltage Ratings Suitable for Part Wind Start on Lower Voltage;
Single Voltage (460V) Ratings are Suitable for Part Wind Start
- 10 Corrosion Resistant Epoxy Paint
- 11 F1 / F2 Reversible
- 12 Lifting Provision
- 13 Condensation Drains with Plugs
- 14 Windings Rated for 2200V Peak Voltage Spikes
- 15 IP55 Protection
- 16 Three (3) Year Warranty (Extended Warranty Available)
- 17 D-Flange Field Conversion Kits Available⁴



APPLICATIONS:

General purpose use on pumps, fans, blowers, compressors, conveyors, material handling and other industrial machinery installed in damp, dusty or dirty environments. Suitable for use with variable frequency drives.

HP	RPM	FRAME	VOLTS	CATALOG NUMBER	FRAME TYPE	LIST PRICE	MULT. SYM.	FULL EFF %	"C" DIM.	WT. (LBS.)	NOTES
1	1800	143TC	208-230/460	PE143TC-1-4	NEWT	\$314	M16	85.5	12.5	55	1
	1200	145TC	208-230/460	PE145TC-1-6	NEWT	\$437	M16	82.5	13.5	68	1
1.5	3600	143TC	208-230/460	PE143TC-1.5-2	NEWT	\$427	M16	84.0	12.5	60	1
	1800	145TC	208-230/460	PE145TC-1.5-4	NEWT	\$401	M16	86.5	13.5	62	1
	1200	182TC	208-230/460	PE182TC-1.5-6	NEWT	\$499	M16	87.5	15.3	90	1
2	3600	145TC	208-230/460	PE145TC-2-2	NEWT	\$459	M16	85.5	13.5	62	1
	1800	145TC	208-230/460	PE145TC-2-4	NEWT	\$410	M16	86.5	13.5	64	1
	1200	184TC	208-230/460	PE184TC-2-6	NEWT	\$631	M16	88.5	16.0	91	1
3	3600	182TC	208-230/460	PE182TC-3-2	NEWT	\$565	M16	86.5	15.3	90	1
	1800	182TC	208-230/460	PE182TC-3-4	NEWT	\$558	M16	89.5	15.3	90	1
	1200	213TC	208-230/460	PE213TC-3-6	NEPE	\$852	M16	89.5	19.0	143	1
5	3600	184TC	208-230/460	PE184TC-5-2	NEWT	\$695	M16	88.5	16.0	106	1
	1800	184TC	208-230/460	PE184TC-5-4	NEWT	\$657	M16	89.5	16.0	106	1
	1200	215TC	208-230/460	PE215TC-5-6	NEPE	\$1,096	M16	89.5	22.5	163	1
7.5	3600	213TC	208-230/460	PE213TC-7.5-2	NEWT	\$974	M16	89.5	19.0	157	1
	1800	213TC	208-230/460	PE213TC-7.5-4	NEPE	\$901	M16	91.7	19.0	157	1
	1200	254TC	208-230/460	PE254TC-7.5-6	NEPE	\$1,440	M16	91.0	23.4	260	1
10	3600	215TC	208-230/460	PE215TC-10-2	NEWT	\$1,081	M16	90.2	22.5	183	1
	1800	215TC	208-230/460	PE215TC-10-4	NEPE	\$1,089	M16	91.7	22.5	183	1
	1200	256TC	208-230/460	PE256TC-10-6	NEPE	\$1,812	M16	91.0	25.1	302	1

¹ Ball Bearing on Drive End

² 12 Lead Part Wind Start at 460V

³ Insulated Bearing on Opposite Drive End

⁴ See p. 19 for D-Flange Conversion Kits

Performance Data on pp. 25—26
 Dimensions on p. 33
 Warranty on p. 42

General Purpose—Heavy Duty Cast Iron
Three-Phase, 143TC—449TC Frame
Totally Enclosed Fan Cooled (TEFC)
Inverter Duty (20:1 VT; 10:1 CT)
NEMA MG-1, PART 31, TABLE 12-12
CLASS I, DIV II GROUPS ABCD, T2B
CLASS II, DIV II GROUPS F & G

1 HP—300 HP
GENERAL PURPOSE
C-FLANGE W/ FEET
CAST IRON

143TC—449TC FRAME
 THREE-PHASE
 TEFC

HP	RPM	FRAME	VOLTS	CATALOG NUMBER	FRAME TYPE	LIST PRICE	MULT. SYM.	FULL EFF %	"C" DIM.	WT. (LBS.)	NOTES
15	3600	254TC	208-230/460	PE254TC-15-2	NEWT	\$1,612	M16	91.0	23.2	289	1
	1800	254TC	208-230/460	PE254TC-15-4	NEWT	\$1,565	M16	92.4	23.2	289	1
20	3600	256TC	208-230/460	PE256TC-20-2	NEWT	\$1,972	M16	91.0	25.0	341	1
	1800	256TC	208-230/460	PE256TC-20-4	NEWT	\$1,797	M16	93.0	25.0	341	1
25	3600	284TC	208-230/460	PE284TC-25-2	NEWT	\$2,530	M16	91.7	26.6	432	1
	3600	284TSC	208-230/460	PE284TSC-25-2	NEWT	\$2,530	M16	91.7	25.2	432	1
	1800	284TC	208-230/460	PE284TC-25-4	NEWT	\$2,343	M16	93.6	26.6	432	1
30	3600	286TC	208-230/460	PE286TC-30-2	NEWT	\$2,717	M16	91.7	28.1	474	1
	3600	286TSC	208-230/460	PE286TSC-30-2	NEWT	\$2,717	M16	91.7	26.7	474	1
	1800	286TC	208-230/460	PE286TC-30-4	NEWT	\$2,652	M16	93.6	28.1	474	1
	1800	286TSC	208-230/460	PE286TSC-30-4	NEWT	\$2,652	M16	93.6	26.7	474	1
40	3600	286TSC	208-230/460	PE286TSC-40-2	NEWT	\$3,478	M16	92.4	26.7	590	1
	3600	324TC	208-230/460	PE324TC-40-2	NEWT	\$3,478	M16	92.4	29.8	590	1
	3600	324TSC	208-230/460	PE324TSC-40-2	NEWT	\$3,478	M16	92.4	28.3	590	1
	1800	324TC	208-230/460	PE324TC-40-4	NEWT	\$3,360	M16	94.1	29.8	590	1
50	1800	324TSC	208-230/460	PE324TSC-40-4	NEWT	\$3,360	M16	94.1	28.3	590	1
	3600	326TC	208-230/460	PE326TC-50-2	NEWT	\$4,378	M16	93.0	31.3	683	1
	3600	326TSC	208-230/460	PE326TSC-50-2	NEWT	\$4,378	M16	93.0	29.8	683	1
	1800	326TC	208-230/460	PE326TC-50-4	NEWT	\$3,836	M16	94.5	31.3	683	1
60	1800	326TSC	208-230/460	PE326TSC-50-4	NEWT	\$3,836	M16	94.5	29.8	683	1
	3600	364TC	208-230/460	PE364TC-60-2	NEWT	\$6,026	M16	93.6	32.5	841	1
	3600	364TSC	208-230/460	PE364TSC-60-2	NEWT	\$6,026	M16	93.6	31.4	841	1
	1800	364TC	208-230/460	PE364TC-60-4	NEPE	\$5,072	M16	95.0	32.5	841	1
75	1800	364TSC	208-230/460	PE364TSC-60-4	NEPE	\$5,072	M16	95.0	31.4	841	1
	3600	365TC	208-230/460	PE365TC-75-2	NEWT	\$7,210	M16	93.6	33.5	941	1
	3600	365TSC	208-230/460	PE365TSC-75-2	NEWT	\$7,210	M16	93.6	31.4	941	1
	1800	365TC	208-230/460	PE365TC-75-4	NEPE	\$5,860	M16	95.4	33.5	941	1
100	1800	365TSC	208-230/460	PE365TSC-75-4	NEPE	\$5,860	M16	95.4	31.4	941	1
	3600	405TC	208-230/460	PE405TC-100-2	NEWT	\$8,693	M16	94.1	38.0	1172	1
	3600	405TSC	208-230/460	PE405TSC-100-2	NEWT	\$8,693	M16	94.1	35.0	1172	1
	1800	405TC	208-230/460	PE405TC-100-4	NEPE	\$7,235	M16	95.4	38.0	1172	1
125	1800	405TSC	208-230/460	PE405TSC-100-4	NEPE	\$7,235	M16	95.4	35.0	1172	1
	3600	444TSC	460	PE444TSC-125-2	NEWT	\$9,785	M16	95.0	40.6	1432	1
	1800	444TSC	460	PE444TSC-125-4	NEPE	\$9,718	M16	95.4	42.8	1432	1,2
	1800	444TC	460	PE444TC-125-4	NEPE	\$9,718	M16	95.4	42.8	1432	1,2
150	1800	444TC	460	PE444TC-125-4-IN	NEPE	\$11,749	M16	95.4	42.8	1432	1,2,4
	3600	445TSC	460	PE445TSC-150-2	NEPE	\$13,066	M16	95.0	44.1	1564	1,2
	1800	445TSC	460	PE445TSC-150-4	NEPE	\$10,763	M16	95.8	44.3	1564	1,2
	1800	445TC	460	PE445TC-150-4	NEPE	\$10,763	M16	95.8	44.8	1564	1,2
200	1800	445TC	460	PE445TC-150-4-IN	NEPE	\$12,465	M16	95.8	44.8	1564	1,2,4
	3600	447TSC	460	PE447TSC-200-2	NEPE	\$16,480	M16	95.4	44.1	1905	1,2
	1800	447TSC	460	PE447TSC-200-4	NEPE	\$14,191	M16	96.2	47.8	1905	1,2
	1800	447TC	460	PE447TC-200-4	NEPE	\$14,191	M16	95.8	48.3	1905	1,2
250	1800	447TC	460	PE447TC-200-4-IN	NEPE	\$16,006	M16	95.8	48.3	1905	1,2,4
	3600	449TSC	460	PE449TSC-250-2	NEPE	\$19,313	M16	95.8	49.1	2247	1,2
	1800	449TC	460	PE449TC-250-4	NEPE	\$17,947	M16	96.2	53.3	2247	1,2
	1800	449TC	460	PE449TC-250-4-IN	NEPE	\$19,312	M16	96.2	53.3	2247	1,2,4
300	3600	449TSC	460	PE449TSC-300-2	NEPE	\$24,720	M16	95.8	49.1	2685	1,2
	1800	449TC	460	PE449TC-300-4	NEPE	\$22,260	M16	96.2	53.3	2685	1,2
300	1800	449TC	460	PE449TC-300-4-IN	NEPE	\$24,462	M16	96.2	53.3	2685	1,2,4

¹ Ball Bearing on Drive End

² 12 Lead Part Wind Start at 460V

³ Insulated Bearing on Opposite Drive End

⁴ See p. 19 for D-Flange Conversion Kits

Performance Data on pp. 25—26
 Dimensions on p. 33
 Warranty on p. 42

General Purpose—Heavy Duty Cast Iron
Three-Phase, 143TC—449TC Frame
Totally Enclosed Fan Cooled (TEFC)
Inverter Duty (20:1 VT; 10:1 CT)
NEMA MG-1, PART 31, TABLE 12-12
CLASS I, DIV II GROUPS ABCD, T2B
CLASS II, DIV II GROUPS F & G

1 HP—30 HP
GENERAL PURPOSE
ROUND BODY/C-FLANGE
CAST IRON
143TC—286TC FRAME
THREE-PHASE
TEFC

Standard Features Include:

- ❶ 1 HP—30 HP in Stock
- ❷ 1.15 Service Factor @ 60 Hertz; 1.0 Service Factor @ 50 Hertz
- ❸ Sealed Bearings Through 215TC Frame;
Regreasable Open Bearings 254TC Frame and Above
- ❹ Class F Insulation System; Class B Rise at Full Load;
Class H Vacuum Pressure Impregnation (VPI) Resin for All Windings
- ❺ 40° C Ambient Continuous Duty
- ❻ Stainless Steel Nameplate and Zinc Plate Hardware
- ❼ NEMA Design B Performance / High Starting Torque
- ❽ Dual Voltage Ratings Suitable for Part Wind Start on Lower Voltage
- ❾ Corrosion Resistant Epoxy Paint
- ❿ F1 / F2 Reversible
- ⓫ Lifting Provision
- ⓬ Condensation Drains with Plugs
- ⓭ Windings Rated for 2200V Peak Voltage Spikes
- ⓮ IP55 Protection
- ⓯ Three (3) Year Warranty (Extended Warranty Available)



APPLICATIONS:

General purpose use on pumps, fans, blowers, compressors, conveyors, material handling and other industrial machinery installed in damp, dusty or dirty environments. Suitable for use with variable frequency drives.

HP	RPM	FRAME	VOLTS	CATALOG NUMBER	LIST PRICE	MULT. SYM.	FULL EFF %	"C" DIM.	WT. (LBS.)	NOTES
1	1800	143TC	208-230/460	PE143TC-1-4-RB-AI	\$314	M16	85.5	15.2	55	1
1.5	1800	145TC	208-230/460	PE145TC-1.5-4-RB-AI	\$401	M16	86.5	15.2	62	1
2	1800	145TC	208-230/460	PE145TC-2-4-RB-AI	\$410	M16	86.5	15.2	64	1
3	1800	182TC	208-230/460	PE182TC-3-4-RB-AI	\$558	M16	89.5	18.1	90	1
5	1800	184TC	208-230/460	PE184TC-5-4-RB-AI	\$657	M16	89.5	18.1	106	1
7.5	1800	213TC	208-230/460	PE213TC-7.5-4-RB-AI	\$901	M16	91.7	20.6	157	1
10	1800	215TC	208-230/460	PE215TC-10-4-RB-AI	\$1,089	M16	91.7	20.6	183	1
15	1800	254TC	208-230/460	PE254TC-15-4-RB-AI	\$1,565	M16	92.4	24.8	289	1
20	1800	256TC	208-230/460	PE256TC-20-4-RB-AI	\$1,797	M16	93.0	24.8	341	1
25	1800	284TC	208-230/460	PE284TC-25-4-RB-AI	\$2,343	M16	93.6	28.5	432	1
30	1800	286TC	208-230/460	PE286TC-30-4-RB-AI	\$2,652	M16	93.6	28.5	474	1

¹ Ball Bearing on Drive End

Performance Data on p. 27
 Dimensions on p. 34
 Warranty on p. 42

General Purpose—Heavy Duty Cast Iron
Three-Phase, 143T—449T Frame
Open Drip Proof (ODP)
Inverter Duty (20:1 VT; 10:1 CT)
NEMA MG-1, PART 31, TABLE 12-12

1 HP—300 HP
GENERAL PURPOSE
OPEN DRIP PROOF (ODP)
ROLLED STEEL 1 HP—20 HP
CAST IRON 15 HP—300 HP

143T—449T FRAME
 THREE-PHASE

Standard Features Include:

- 1 1 HP—300 HP in Stock
- 2 1.25 Service Factor @ 60 Hertz; 1.0 Service Factor @ 50 Hertz
Suitable for 575V @ 1.0 Service Factor
- 3 Sealed Bearings Through 215T Frame;
Regreasable Open Bearings 254T Frame and Above;
- 4 Class F Insulation System; Class B Rise at Full Load;
Class H Vacuum Pressure Impregnation (VPI) Resin for All Windings
- 5 40° C Ambient Continuous Duty
- 6 Stainless Steel Nameplate and Zinc Plate Hardware
- 7 NEMA Design B Performance / High Starting Torque
- 8 Feet are Dual Drilled for Mounting Flexibility
- 9 Dual Voltage Ratings Suitable for Part Wind Start on Lower Voltage;
Single Voltage (460V) Ratings are Suitable for Part Wind Start
- 10 Corrosion Resistant Epoxy Paint
- 11 F1 / F2 Reversible From 254T—365T and 444T—449T Frame
- 12 Lifting Provisions on 182T Frame and Above
- 13 Condensation Drains with Plugs
- 14 Windings Rated for 2200V Peak Voltage Spikes
- 15 IP23 Protection
- 16 Three (3) Year Warranty (Extended Warranty Available)
- 17 C-Flange Field Conversion Kits Available⁶



1 HP—20 HP



20 HP—300 HP



APPLICATIONS:

General purpose use on pumps, fans, blowers, compressors, conveyors, material handling and other industrial machinery installed in environments with minimal dirt and moisture. Suitable for use with variable frequency drives.

HP	RPM	FRAME	VOLTS	CATALOG NUMBER	FRAME TYPE	LIST PRICE	MULT. SYM.	FULL EFF %	"C" DIM.	WT. (LBS.)	NOTES
1	1800	143T	208-230/460	PE143T-1-4-ODP	ODPW	\$299	M3	85.5	11.4	37	1,2,4
	3600	143T	208-230/460	PE143T-1.5-2-ODP	ODPW	\$268	M3	84.0	11.4	34	1,2,4
1.5	1800	145T	208-230/460	PE145T-1.5-4-ODP	ODPW	\$324	M3	86.5	12.2	42	1,2,4
	3600	145T	208-230/460	PE145T-2-2-ODP	ODPW	\$288	M3	85.5	12.2	39	1,2,4
2	1800	145T	208-230/460	PE145T-2-4-ODP	ODPW	\$330	M3	86.5	12.2	55	1,2,4
	3600	145T	208-230/460	PE145T-3-2-ODP	ODPW	\$355	M3	85.5	12.2	44	1,2,4
3	1800	182T	208-230/460	PE182T-3-4-ODP	ODPW	\$492	M3	89.5	14.2	105	1,2,4
	3600	182T	208-230/460	PE182T-5-2-ODP	ODPW	\$534	M3	86.5	14.2	105	1,2,4
5	1800	184T	208-230/460	PE184T-5-4-ODP	ODPW	\$597	M3	89.5	15.0	115	1,2,4
	3600	184T	208-230/460	PE184T-7.5-2-ODP	ODPW	\$608	M3	88.5	15.0	106	1,2,4
7.5	1800	213T	208-230/460	PE213T-7.5-4-ODP	ODPW	\$855	M3	91.0	16.5	138	1,2,4
	3600	213T	208-230/460	PE213T-10-2-ODP	ODPW	\$919	M3	89.5	16.5	136	1,2,4
10	1800	215T	208-230/460	PE215T-10-4-ODP	ODPW	\$919	M3	91.7	17.5	152	1,2,4
	3600	215T	208-230/460	PE215T-15-2-ODP	ODPW	\$1,345	M3	90.2	17.5	154	1,2,4
15	1800	254T	208-230/460	PE254T-15-4-ODP	ODPW	\$1,350	M3	93.0	22.2	343	1,2,4
	1800	254T	208-230/460	PR254T15M4A-ODP	SODP	\$1,530	M8	93.0	21.8	195	1
20	1800	256T	208-230/460	PR256T20M4A-ODP	SODP	\$1,782	M8	93.0	21.8	206	1

¹ NEMA Premium (NEMA MG-1 Table 12-12)

⁴ Ball Bearing on Drive End

² Inverter Duty (20:1 Variable Torque; 10:1 Constant Torque)

⁵ Roller Bearing on Drive End

³ 12 Lead Part Wind Start at 460V

⁶ See p. 20 for C-Flange Conversion Kits

Performance Data on p. 28
 Dimensions on p. 35, 41
 Warranty on p. 42

General Purpose—Heavy Duty Cast Iron
Three-Phase, 254T—449T Frame
Open Drip Proof (ODP)
Inverter Duty (20:1 VT; 10:1 CT)
NEMA MG-1, PART 31, TABLE 12-12

1 HP—300 HP
GENERAL PURPOSE
OPEN DRIP PROOF (ODP)
ROLLED STEEL 1 HP—20 HP
CAST IRON 15 HP—300 HP

143T—449T FRAME
THREE-PHASE

HP	RPM	FRAME	VOLTS	CATALOG NUMBER	FRAME TYPE	LIST PRICE	MULT. SYM.	FULL EFF %	"C" DIM.	WT. (LBS.)	NOTES
20	3600	254T	208-230/460	PE254T-20-2-ODP	ODPW	\$1,565	M3	91.0	22.2	276	1,2,3,4
	1800	256T	208-230/460	PE256T-20-4-ODP	ODPW	\$1,575	M3	93.0	22.2	343	1,2,3,4
25	3600	256T	208-230/460	PE256T-25-2-ODP	ODPW	\$1,865	M3	91.7	22.2	280	1,2,3,4
	1800	284T	208-230/460	PE284T-25-4-ODP	ODPW	\$1,999	M3	93.6	24.8	458	1,2,3,4
30	3600	284TS	208-230/460	PE284TS-30-2-ODP	ODPW	\$2,225	M3	91.7	23.4	371	1,2,3,4
	1800	286T	208-230/460	PE286T-30-4-ODP	ODPW	\$2,295	M3	94.1	24.8	445	1,2,3,4
40	3600	286TS	208-230/460	PE286TS-40-2-ODP	ODPW	\$2,835	M3	92.4	23.4	402	1,2,3,4
	1800	324T	208-230/460	PE324T-40-4-ODP	ODPW	\$2,999	M3	94.1	27.8	511	1,2,3,4
	1800	324TS	208-230/460	PE324TS-40-4-ODP	ODPW	\$2,999	M3	94.1	25.8	508	1,2,3,4
50	3600	324TS	208-230/460	PE324TS-50-2-ODP	ODPW	\$3,325	M3	93.0	25.8	503	1,2,3,4
	1800	326T	208-230/460	PE326T-50-4-ODP	ODPW	\$3,450	M3	94.5	27.8	565	1,2,3,4
	1800	326TS	208-230/460	PE326TS-50-4-ODP	ODPW	\$3,465	M3	94.5	25.8	561	1,2,3,4
60	3600	326TS	208-230/460	PE326TS-60-2-ODP	ODPW	\$4,610	M3	93.6	25.8	542	1,2,3,4
	1800	364T	208-230/460	PE364T-60-4-ODP	ODPW	\$4,620	M3	95.0	29.5	719	1,2,3,4
	1800	364TS	208-230/460	PE364TS-60-4-ODP	ODPW	\$4,620	M3	95.0	27.4	718	1,2,3,4
75	3600	364TS	208-230/460	PE364TS-75-2-ODP	ODPW	\$5,375	M3	93.6	27.4	727	1,2,3,4
	1800	365T	208-230/460	PE365T-75-4-ODP	ODPW	\$5,199	M3	95.0	29.5	747	1,2,3,4
	1800	365TS	208-230/460	PE365TS-75-4-ODP	ODPW	\$5,199	M3	95.0	27.4	744	1,2,3,4
100	3600	365TS	208-230/460	PE365TS-100-2-ODP	ODPW	\$6,285	M3	93.6	27.4	1040	1,2,3,4
	1800	404T	208-230/460	PE404T-100-4-ODP	ODPW	\$6,525	M3	95.4	33.5	1058	1,2,3,4
	1800	404TS	208-230/460	PE404TS-100-4-ODP	ODPW	\$6,550	M3	95.4	30.5	1058	1,2,3,4
125	3600	404TS	460	PE404TS-125-2-ODP	ODPW	\$8,500	M3	94.1	30.5	1247	1,2,4
	1800	405T	460	PE405T-125-4-BB-ODP	ODPW	\$9,699	M3	95.4	33.5	1342	1,2,4
	1800	405TS	460	PE405TS-125-4-ODP	ODPW	\$9,699	M3	95.4	30.5	1342	1,2,4
	1800	405T	460	PE405T-125-4-ODP	ODPW	\$9,699	M3	95.4	33.5	1342	1,2,5
150	3600	405TS	460	PE405TS-150-2-ODP	ODPW	\$10,750	M3	94.1	30.5	1408	1,2,4
	1800	444T	460	PE444T-150-4-BB-ODP	ODPW	\$11,925	M3	95.8	39.9	1672	1,2,4
	1800	444TS	460	PE444TS-150-4-ODP	ODPW	\$11,925	M3	95.8	36.2	1672	1,2,4
	1800	444T	460	PE444T-150-4-ODP	ODPW	\$11,925	M3	95.8	39.9	1672	1,2,5
200	3600	444TS	460	PE444TS-200-2-ODP	ODPW	\$13,500	M3	95.0	36.2	1584	1,2,4
	1800	445T	460	PE445T-200-4-BB-ODP	ODPW	\$13,750	M3	95.8	39.9	1782	1,2,4
	1800	445TS	460	PE445TS-200-4-ODP	ODPW	\$13,750	M3	95.8	36.2	1782	1,2,4
	1800	445T	460	PE445T-200-4-ODP	ODPW	\$13,750	M3	95.8	39.9	1782	1,2,5
250	3600	445TS	460	PE445TS-250-2-ODP	ODPW	\$15,350	M3	95.0	36.2	1870	1,2,4
	1800	447T	460	PE447T-250-4-ODP	ODPW	\$15,225	M3	95.8	48.1	2150	1,2,5
300	3600	447TS	460	PE447TS-300-2-ODP	ODPW	\$19,150	M3	95.4	39.5	2002	1,2,4
	1800	449T	460	PE449T-300-4-ODP	ODPW	\$18,899	M3	95.8	48.1	2220	1,2,5

¹ NEMA Premium (NEMA MG-1 Table 12-12)

⁴ Ball Bearing on Drive End

² Inverter Duty (20:1 Variable Torque; 10:1 Constant Torque)

⁵ Roller Bearing on Drive End

³ 12 Lead Part Wind Start at 460V

⁶ See p. 20 for C-Flange Conversion Kits

Performance Data on p. 28
 Dimensions on p. 35, 41
 Warranty on p. 42

General Purpose—Aluminum
Three Phase, 143T—215T Frame
Totally Enclosed Fan Cooled (TEFC)
Inverter Duty (20:1 VT; 10:1 CT)
NEMA MG-1, PART 31, TABLE 12-12

1 HP—10 HP
GENERAL PURPOSE
ALUMINUM

143T—215T FRAME
 THREE-PHASE
 TEFC

Standard Features Include:

- ❶ 1 HP—10 HP in Stock
- ❷ 1.15 Service Factor @ 60 Hertz; 1.0 Service Factor @ 50 Hertz
Suitable for 575V @ 1.0 Service Factor
- ❸ Sealed Bearings
- ❹ Class F Insulation System, Class B Rise at Full Load;
Class H Vacuum Pressure Impregnation (VPI) Resin for All Windings
- ❺ 40° C Ambient Continuous Duty
- ❻ Stainless Steel Nameplate and Zinc Plate Hardware
- ❼ NEMA Design B Performance / High Starting Torque
- ❽ Feet are Dual Drilled for Mounting Flexibility;
Removable Bases
- ❾ Dual Voltage Ratings Suitable for Part Wind Start on Lower Voltage
- ❿ Corrosion Resistant Epoxy Paint
- ⓫ F1 / F2 Reversible
- ⓬ Lifting Provision
- ⓭ Condensation Drains with Plugs
- ⓮ Windings Rated for 2200V Peak Voltage Spikes
- ⓯ IP55 Protection
- ⓰ Two (2) Year Warranty (Extended Warranty Available)
- ⓱ C-Flange Field Conversion Kits Available¹



APPLICATIONS:

General purpose use for catfish pond aeration, pumps, fans, blowers, compressors, conveyors, material handling and other industrial machinery installed in damp, dusty or dirty environments. Suitable for use with variable frequency drives.

HP	RPM	FRAME	VOLTS	CATALOG NUMBER	FRAME TYPE	LIST PRICE	MULT. SYM.	FULL EFF %	"C" DIM.	WT. (LBS.)	NOTES
1	1800	143T	208-230/460	APE143T-1-4	APEW	\$305	M13	85.5	12.6	39	
	3600	143T	208-230/460	APE143T-1.5-2	APEW	\$415	M13	84.0	12.6	37	
1.5	1800	145T	208-230/460	APE145T-1.5-4	APEW	\$390	M13	86.5	13.6	43	
	3600	145T	208-230/460	APE145T-2-2	APEW	\$446	M13	85.5	13.6	41	
2	1800	145T	208-230/460	APE145T-2-4	APEW	\$399	M13	86.5	13.6	46	
	3600	182T	208-230/460	APE182T-3-2	APEW	\$549	M13	86.5	16.1	70	
3	1800	182T	208-230/460	APE182T-3-4	APEW	\$542	M13	89.5	16.1	72	
	3600	184T	208-230/460	APE184T-5-2	APEW	\$680	M13	88.5	17.1	86	
5	1800	184T	208-230/460	APE184T-5-4	APEW	\$638	M13	89.5	17.1	86	
	3600	213T	208-230/460	APE213T-7.5-2	APEW	\$946	M13	89.5	18.9	123	
7.5	1800	213T	208-230/460	APE213T-7.5-4	APEW	\$875	M13	91.7	18.9	125	
	3600	215T	208-230/460	APE215T-10-2	APEW	\$1,050	M13	90.2	20.4	144	
10	1800	215T	208-230/460	APE215T-10-4	APEW	\$1,058	M13	91.7	20.4	139	

¹ See p. 20 for C-Flange Conversion Kits

Performance Data on p. 29
 Dimensions on p. 36
 Warranty on p. 42

General Purpose—Rolled Steel

Single Phase, 56C/CH Frame

Totally Enclosed Fan Cooled (TEFC)

1/3 HP—2 HP

GENERAL PURPOSE

C-FLANGE W/ FEET

ROLLED STEEL

56C/CH FRAME
SINGLE PHASE
TEFC

Standard Features Include:

- ① 1/3 HP—2 HP in Stock
- ② 1.15 Service Factor @ 60 Hertz
- ③ Sealed Bearings
- ④ Class F Insulation System, Class B Rise at Full Load;
Class H Vacuum Pressure Impregnation (VPI) Resin for All Windings
- ⑤ 40° C Ambient Continuous Duty
- ⑥ Stainless Steel Nameplate and Zinc Plate Hardware
- ⑦ NEMA Design B Performance / High Starting Torque
- ⑧ Removable Feet¹
- ⑨ Capacitor Start / Capacitor Run Design
- ⑩ Aluminum Endbells
- ⑪ Corrosion Resistant Epoxy Paint
- ⑫ Condensation Drains with Plugs
- ⑬ IP55 Protection
- ⑭ Two (2) Year Warranty



SINGLE PHASE

APPLICATIONS:

General purpose use on pumps, fans, blowers, compressors, conveyors, farm equipment and other industrial and commercial machinery installed in damp, dusty or dirty environments.

HP	RPM	FRAME	VOLTS	MODEL NUMBER	FRAME TYPE	LIST PRICE	MULT. SYM.	FULL EFF %	"C" DIM.	WT. (LBS.)	NOTES
1/3	3600	56C	115/208-230	F56C1/3S2C	56C1	\$250	M1	60.7	10.7	20	--
	1800	56C	115/208-230	F56C1/3S4C	56C1	\$265	M1	65.0	10.7	22	--
1/2	3600	56C	115/208-230	F56C1/2S2C	56C1	\$260	M1	70.8	10.7	24	--
	1800	56C	115/208-230	F56C1/2S4C	56C1	\$275	M1	71.1	10.7	28	--
3/4	3600	56C	115/208-230	F56C3/4S2C	56C1	\$280	M1	75.1	10.7	26	--
	1800	56C	115/208-230	F56C3/4S4C	56C1	\$298	M1	74.6	11.5	33	--
1	3600	56C	115/208-230	F56C1S2C	56C1	\$290	M1	76.1	11.5	30	--
	1800	56C	115/208-230	F56C1S4C	56C1	\$315	M1	77.6	11.5	36	--
1.5	3600	56C	115/208-230	F56C1.5S2C	56C1	\$305	M1	81.3	11.5	36	--
	1800	56CH	115/208-230	F56CH1.5S4C	56C1	\$385	M1	81.7	12.5	44	1
2	3600	56CH	115/208-230	F56CH2S2C	56C1	\$345	M1	82.3	12.5	43	1
	1800	56CH	115/208-230	F56CH2S4C	56C1	\$455	M1	83.6	13.7	52	1

¹ 56CH Frames: Feet Are Dual Drilled for 56C and 145T Mounting Flexibility

Performance Data on p. 30
Dimensions on p. 37
Warranty on p. 42

General Purpose—Rolled Steel
Three-Phase, 56C/CH Frame
Totally Enclosed Fan Cooled (TEFC)
Inverter Rated (10:1 VT; 5:1 CT)
NEMA MG-1, PART 31, TABLE 12-12

1/3 HP—3 HP
GENERAL PURPOSE
C-FLANGE W/ FEET
ROLLED STEEL

56C/CH FRAME
 THREE-PHASE
 TEFC

Standard Features Include:

- ❶ 1/3 HP—3 HP in Stock
- ❷ 1.15 Service Factor @ 60 Hertz
- ❸ Sealed Bearings
- ❹ Class F Insulation System; Class B Rise at Full Load;
Class H Vacuum Pressure Impregnation (VPI) Resin for All Windings
- ❺ 40° C Ambient Continuous Duty
- ❻ Stainless Steel Nameplate and Zinc Plate Hardware
- ❼ NEMA Design B Performance / High Starting Torque
- ❽ Removable Feet⁴
- ❾ Aluminum Endbells
- ❿ Corrosion Resistant Epoxy Paint
- ⓫ Condensation Drains with Plugs
- ⓬ IP55 Protection
- ⓭ Three (3) Year Warranty (Extended Warranty Available)



THREE-PHASE



APPLICATIONS:

General purpose use on pumps, fans, blowers, compressors, conveyors, material handling and other industrial and commercial machinery installed in damp, dusty or dirty environments. Suitable for use with variable frequency drives.

HP	RPM	FRAME	VOLTS	MODEL NUMBER	FRAME TYPE	LIST PRICE	MULT. SYM.	FULL EFF %	"C" DIM.	WT. (LBS.)	NOTES
1/3	3600	56C	208-230/460	F56C1/3M2A	56C3	\$245	M2	54.9	11.8	15	2
	3600	56C	575	F56C1/3M2D	56C3	\$258	M2	54.9	11.8	15	1,2
	1800	56C	208-230/460	F56C1/3M4A	56C3	\$230	M2	64.0	11.8	17	2
	1800	56C	575	F56C1/3M4D	56C3	\$242	M2	64.0	11.8	17	1,2
1/2	3600	56C	208-230/460	F56C1/2M2A	56C3	\$255	M2	63.6	11.8	18	2
	3600	56C	575	F56C1/2M2D	56C3	\$268	M3	63.6	11.8	18	1,2
	1800	56C	208-230/460	F56C1/2M4A	56C3	\$240	M2	68.2	11.8	21	2
	1800	56C	575	F56C1/2M4D	56C3	\$252	M2	68.2	11.8	21	1,2
3/4	3600	56C	208-230/460	F56C3/4M2A	56C3	\$265	M2	62.0	11.8	20	2
	3600	56C	575	F56C3/4M2D	56C3	\$279	M2	62.0	11.8	20	1,2
	1800	56C	208-230/460	F56C3/4M4A	56C3	\$254	M2	72.2	11.8	22	2
	1800	56C	575	F56C3/4M4D	56C3	\$268	M2	72.2	11.8	22	1,2
1	3600	56C	208-230/460	PR56C1M2A	56C3	\$314	M2	77.0	11.8	21	3
	3600	56C	575	PR56C1M2D	56C3	\$330	M2	77.0	11.8	21	1,3
	1800	56C	208-230/460	PR56C1M4A	56C3	\$360	M2	85.5	11.8	27	3
	1800	56C	575	PR56C1M4D	56C3	\$378	M2	85.5	11.8	27	1,3
	1200	56C	208-230/460	F56C1M6A	56C3	\$330	M2	85.5	11.8	27	2
1.5	3600	56C	208-230/460	PR56C1.5M2A	56C3	\$336	M2	84.0	11.8	25	3
	3600	56C	575	PR56C1.5M2D	56C3	\$353	M2	84.0	11.8	25	1,3
	1800	56C	208-230/460	PR56C1.5M4A	56C3	\$386	M2	86.5	11.8	30	3
	1800	56C	575	PR56C1.5M4D	56C3	\$405	M2	86.5	11.8	30	1,3
2	3600	56C	208-230/460	PR56C2M2A	56C3	\$353	M2	85.5	11.8	27	3
	3600	56C	575	PR56C2M2D	56C3	\$371	M2	85.5	11.8	27	1,3
	1800	56CH	208-230/460	PR56CH2M4A	56C3	\$437	M2	86.5	12.6	38	3,4
	1800	56CH	575	PR56CH2M4D	56C3	\$459	M2	86.5	12.6	38	1,3,4
3	3600	56CH	208-230/460	PR56CH3M2A	56C3	\$420	M2	86.5	12.6	36	3,4
	3600	56CH	575	PR56CH3M2D	56C3	\$441	M2	86.5	12.6	36	1,3,4

¹ 575 Volt Only

² High Efficiency Design

³ NEMA Premium Efficiency Design®

⁴ 56C Frames: Feet Are Dual Drilled for 56C and 143/5T Mounting Flexibility

Performance Data on p. 31
 Dimensions on p. 40
 Warranty on p. 42

General Purpose—Rolled Steel
Three-Phase, 143T—215T Frame
Totally Enclosed Fan Cooled (TEFC)
Inverter Rated (10:1 VT; 5:1 CT)
NEMA MG-1, PART 31, TABLE 12-12

1 HP—10 HP
GENERAL PURPOSE
ROLLED STEEL

143T—215T FRAME
 THREE-PHASE
 TEFC

Standard Features Include:

- 1 1 HP—10 HP in Stock
- 2 1.15 Service Factor @ 60 Hertz; 1.0 Service Factor @ 50 Hertz
- 3 Sealed Bearings
- 4 Class F Insulation System; Class B Rise at Full Load;
Class H Vacuum Pressure Impregnation (VPI) Resin for All Windings
- 5 40°C Ambient Continuous Duty
- 6 Stainless Steel Nameplate and Zinc Plate Hardware
- 7 NEMA Design B Performance / High Starting Torque
- 8 Feet are Dual Drilled for Mounting Flexibility
- 9 Corrosion Resistant Epoxy Paint
- 10 Lifting Provision
- 11 Condensation Drains with Plugs
- 12 IP55 Protection
- 13 Three (3) Year Warranty (Extended Warranty Available)
- 14 C-Flange Field Conversion Kits Available¹



THREE-PHASE



APPLICATIONS:

General purpose use on pumps, fans, blowers, compressors, conveyors, material handling and other industrial and commercial machinery installed in damp, dusty or dirty environments. Suitable for use with variable frequency drives.

HP	RPM	FRAME	VOLTS	MODEL NUMBER	FRAME TYPE	LIST PRICE	MULT. SYM.	FULL EFF %	"C" DIM.	WT. (LBS.)	NOTES
1	1800	143T	208-230/460	PR143T1M4A	RSTE-PR	\$342	M7	85.5	12.6	41	--
	3600	143T	208-230/460	PR143T1.5M2A	RSTE-PR	\$353	M7	84.0	12.6	39	--
1.5	1800	145T	208-230/460	PR145T1.5M4A	RSTE-PR	\$364	M7	86.5	13.0	48	--
	3600	145T	208-230/460	PR145T2M2A	RSTE-PR	\$403	M7	85.5	13.0	41	--
2	1800	145T	208-230/460	PR145T2M4A	RSTE-PR	\$376	M7	86.5	13.0	49	--
	3600	182T	208-230/460	PR182T3M2A	RSTE-PR	\$672	M7	86.5	15.8	70	--
3	1800	182T	208-230/460	PR182T3M4A	RSTE-PR	\$538	M7	89.5	15.8	85	--
	3600	184T	208-230/460	PR184T5M2A	RSTE-PR	\$728	M7	88.5	15.8	78	--
5	1800	184T	208-230/460	PR184T5M4A	RSTE-PR	\$577	M7	89.5	15.8	90	--
	3600	213T	208-230/460	PR213T7.5M2A	RSTE	\$1,008	M7	89.5	19.2	109	1
7.5	1800	213T	208-230/460	PR213T7.5M4A	RSTE	\$784	M7	91.7	19.2	127	1
	3600	215T	208-230/460	PR215T10M2A	RSTE	\$1,064	M7	90.2	19.2	126	1
10	1800	215T	208-230/460	PR215T10M4A	RSTE	\$857	M7	91.7	19.2	135	1

¹ See p. 21 for C-Flange Field Conversion Kits

Performance Data on p. 31
 Dimensions on p. 40
 Warranty on p. 42

General Purpose—Farm Duty

Single Phase, 56C—215T Frame

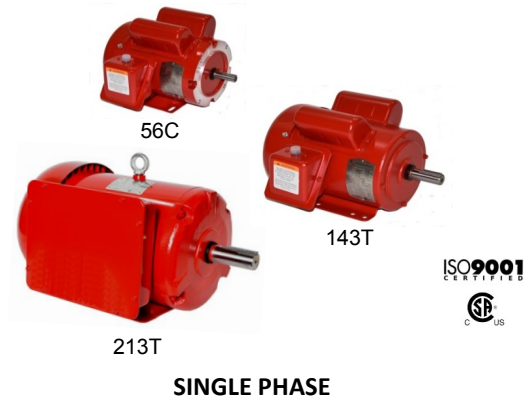
Totally Enclosed Fan Cooled (TEFC)

1/3 HP—10 HP
FARM DUTY
ROLLED STEEL

56C—215T FRAME
 SINGLE PHASE
 TEFC

Standard Features Include:

- ❶ 1/3 HP—10 HP in Stock
- ❷ 1.15 Service Factor @ 60 Hertz; 1.0 Service Factor for 10 HP Only
- ❸ Sealed Bearings
- ❹ Class F Insulation System, Class B Rise at Full Load;
Class H Vacuum Pressure Impregnation (VPI) Resin for All Windings
- ❺ 40° C Ambient Continuous Duty
- ❻ Stainless Steel Nameplate and Zinc Plate Hardware
- ❼ High Starting Torque
- ❽ Feet are Dual Drilled for Mounting Flexibility¹
- ❾ Manual Overload Protection (1/3 HP—5 HP)
- ❿ Capacitor Start / Capacitor Run Design
- ⓫ Corrosion Resistant Epoxy Paint
- ⓬ Lifting Provision on 182T and Above
- ⓭ Condensation Drains with Plugs
- ⓮ IP55 Protection
- ⓯ Two (2) Year Warranty
- ⓰ C-Flange Field Conversion Kits Available³



SINGLE PHASE

APPLICATIONS:

General purpose use on pumps, fans, conveyors, poultry equipment, air compressors and other farm duty machinery requiring high starting torque.

HP	RPM	FRAME	VOLTS	MODEL NUMBER	FRAME TYPE	LIST PRICE	MULT. SYM.	FULL EFF %	"C" DIM.	WT. (LBS.)	NOTES
1/3	1800	56C	115/208-230	F56C1/3S4C-MO	56FD	\$275	M1	65.0	10.7	22	1
1/2	1800	56C	115/208-230	F56C1/2S4C-MO	56FD	\$285	M1	71.1	10.7	28	1
3/4	1800	56C	115/208-230	F56C3/4S4C-MO	56FD	\$305	M1	74.6	11.5	33	1
1	1800	56C	115/208-230	F56C1S4C-MO	56FD	\$345	M1	77.6	11.5	36	1
	1800	143T	115/208-230	F143T1S4C-MO	NEFD	\$360	M10	74.0	13.4	41	--
1.5	1800	56CH	115/208-230	F56CH1.5S4C-MO	56FD	\$404	M1	81.7	12.5	44	1
	1800	145T	115/208-230	F145T1.5S4C-MO	NEFD	\$410	M10	77.0	13.4	45	--
2	1800	56CH	115/208-230	F56CH2S4C-MO	56FD	\$464	M1	83.6	13.6	52	1
	1800	145T	115/208-230	F145T2S4C-MO	NEFD	\$480	M10	82.0	14.2	50	--
3	1800	182T	208-230/460	F182T3S4C-MO	NEFD	\$660	M10	81.5	16.8	92	--
5	3600	184T	208-230/460	F184T5S2C-MO	NEFD	\$785	M10	81.2	16.8	115	--
	1800	184T	208-230/460	F184T5S4C-MO	NEFD	\$785	M10	84.7	17.9	110	--
7.5	1800	213T	208-230/460	F213T7.5S4C	NEFD	\$1,140	M10	84.4	20.3	140	2
10	1800	215T	208-230/460	F215T10S4C	NEFD	\$1,375	M10	88.7	20.3	150	2

¹ Removable Feet on 56C/CH motors only

² Does not have Manual Overload Protection

³ See p. 21 for C-Flange Field Conversion Kits

Performance Data on p. 30
 Dimensions on pp. 37—38
 Warranty on p. 42

General Purpose—Compressor Duty

Single Phase, 56H—184T Frame

Open Drip Proof (ODP)

3 HP—5 HP

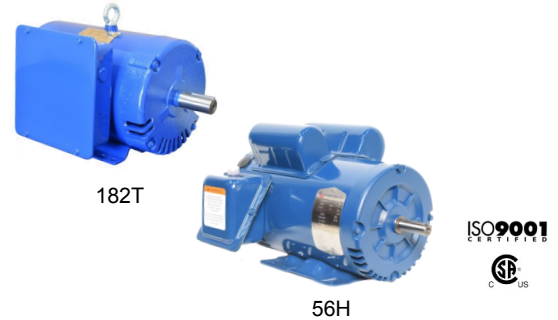
COMPRESSOR DUTY

ROLLED STEEL

56H—184T FRAME
SINGLE PHASE
ODP

Standard Features Include:

- ❶ 3 HP—5 HP in Stock
- ❷ 1.15 Service Factor @ 60 Hertz
- ❸ Sealed Bearings
- ❹ Class F Insulation System, Class B Rise at Full Load;
Class H Vacuum Pressure Impregnation (VPI) Resin for All Windings
- ❺ 40° C Ambient Continuous Duty
- ❻ Stainless Steel Nameplate and Zinc Plate Hardware
- ❼ NEMA Design B Performance / High Starting Torque
- ❽ Feet are Dual Drilled for Mounting Flexibility¹
- ❾ Capacitor Start / Capacitor Run Design
- ❿ Cast Iron Endbells
- ⓫ Corrosion Resistant Epoxy Paint
- ⓬ IP22 Protection
- ⓭ Two (2) Year Warranty



SINGLE PHASE

APPLICATIONS:

General purpose use on pumps, fans, conveyors, blowers, air compressors, refrigeration equipment, industrial equipment, milling machines, tools, farm equipment, aeration equipment and other general purpose applications where contaminants are minimal.

HP	RPM	FRAME	VOLTS	MODEL NUMBER	LIST PRICE	MULT. SYM	FULL EFF %	"C" DIM.	WT. (LBS.)	NOTES
3	1800	182T	208-230	D182T3S4C	\$565	M9	84.9	15.8	78	--
5	3600	56H	208-230	D56H5S2C-MO	\$435	M9	86.5	13.4	56	--
5	1800	184T	208-230	D184T5S4C	\$630	M9	83.4	15.8	96	--

¹ For 5 HP Only

Performance Data on p. 30
Dimensions on p. 39
Warranty on p. 42

Accessories—C & D-Flange Kits

FLANGE KITS

C-Flange Kits—Table A

143T—587UZ FRAME
CAST IRON
NEWT & NEPE

Standard Features Include:

- 1 Simple Field Conversion of Standard Motor to Accommodate C-Flange Mount
- 2 Two-Year Warranty

THREE-PHASE
TEFC

FRAME	CATALOG NUMBER	LIST PRICE	MULT. SYM.	WT. (LBS.)
143/5T	3140-NEWT	\$34	M11	10
182/4T	3180-NEWT	\$65	M11	12
213/5T	3210-NEWT	\$69	M11	15
213/5T	3210-NEPE	\$69	M11	15
254/6T	3250-NEWT	\$139	M11	30
254/6T	3250-NEPE	\$139	M11	30
284/6T	3280-NEWT	\$174	M11	45
324/6T	3320-NEWT	\$209	M11	50
364/5T	3360-NEWT	\$384	M11	60
364/5T	3360-NEPE	\$384	M11	60
404/5T	3400-NEWT	\$422	M11	75
404/5T	3400-NEPE	\$422	M11	75
404/5T-2P	3400-NEWT-2P	\$422	M11	75
404/5T-2P	3400-NEPE-2P	\$422	M11	75
444/5/7/9T	3440-NEWT	\$523	M11	90
444/5/7/9T	3440-NEPE	\$523	M11	90
444/5/7/9T-2P	3440-NEWT-2P	\$523	M11	90
444/5/7/9T-2P	3440-NEPE-2P	\$523	M11	90
586/7U/UZ	3587	\$1,250	M11	100

D-Flange Kits—Table B

143T—587UZ FRAME
CAST IRON
NEWT & NEPE

Standard Features Include:

- 1 Simple Field Conversion of Standard Motor to Accommodate D-Flange Mount
- 2 Two-Year Warranty

THREE-PHASE
TEFC

FRAME	CATALOG NUMBER	LIST PRICE	MULT. SYM.	WT. (LBS.)
143/5T	4140-NEWT	\$34	M11	10
182/4T	4180-NEWT	\$65	M11	12
213/5T	4210-NEWT	\$69	M11	15
213/5T	4210-NEPE	\$69	M11	15
254/6T	4250-NEWT	\$139	M11	30
254/6T	4250-NEPE	\$139	M11	30
284/6T	4280-NEWT	\$174	M11	45
324/6T	4320-NEWT	\$209	M11	50
364/5T	4360-NEWT	\$384	M11	60
364/5T	4360-NEPE	\$384	M11	60
404/5T	4400-NEWT	\$422	M11	75
404/5T	4400-NEPE	\$422	M11	75
404/5T-2P	4400-NEWT-2P	\$422	M11	75
404/5T-2P	4400-NEPE-2P	\$422	M11	75
444/5/7/9T	4440-NEWT	\$523	M11	90
444/5/7/9T	4440-NEPE	\$523	M11	90
444/5/7/9T-2P	4440-NEWT-2P	\$523	M11	90
444/5/7/9T-2P	4440-NEPE-2P	\$523	M11	90
586/7U/UZ	4587	\$1,440	M11	120

C-Flange Kits—Table C

**143T—449T FRAME
CAST IRON
ODPW**

Standard Features Include:

- ① Simple Field Conversion of Standard Motor to Accommodate C-Flange Mount
- ② Two-Year Warranty

THREE-PHASE
ODP

FRAME	CATALOG NUMBER	LIST PRICE	MULT. SYM	WT. (LBS.)
143/5T	3140-ODP-W	\$34	M11	10
182/4T	3180-ODP-W	\$65	M11	12
213/5T	3210-ODP-W	\$69	M11	15
254/6T	3250-ODP-W	\$139	M11	30
284/6T	3280-ODP-W	\$174	M11	45
324/6T	3320-ODP-W	\$209	M11	50
364/5T	3360-ODP-W	\$384	M11	60
404/5T-2P	3400-2P-ODP-W	\$422	M11	75
404/5T	3400-ODP-W	\$422	M11	75
444/5/7/9T	3440-ODP-W	\$523	M11	90
444/5T-2P	3444/5-2P-ODP-W	\$523	M11	90
447/9T-2P	3447/9-2P-ODP-W	\$523	M11	90

C-Flange Kits—Table D

**143T—215T FRAME
ALUMINUM
APEW**

Standard Features Include:

- ① Simple Field Conversion of Standard Motor to Accommodate C-Flange Mount
- ② Two-Year Warranty

THREE-PHASE
TEFC

FRAME	CATALOG NUMBER	LIST PRICE	MULT. SYM	WT. (LBS.)
143/5T	3140-APE	\$34	M11	4
182/4T	3180-APE	\$65	M11	5
213/5T	3210-APE	\$69	M11	6

C-Flange Kits—Table E

Standard Features Include:

- ① Simple Field Conversion of Standard Motor to Accommodate C-Flange Mount
- ② Two-Year Warranty

**143T—215T FRAME
ROLLED STEEL
FARM DUTY
NEFD**

SINGLE PHASE
TEFC

FRAME	CATALOG NUMBER	LIST PRICE	MULT. SYM	WT. (LBS.)
143/5T	3140FD	\$34	M11	10
182/4T	3180FD	\$65	M11	12
213/5T	3210FD	\$69	M11	15

C-Flange Kits—Table F

Standard Features Include:

- ① Simple Field Conversion of Standard Motor to Accommodate C-Flange Mount
- ② Two-Year Warranty

**143T—256T FRAME
ROLLED STEEL
ODPW & SODP**

THREE-PHASE
ODP

FRAME	CATALOG NUMBER	LIST PRICE	MULT. SYM	WT. (LBS.)
143/5T	3140-ODP-W	\$34	M11	10
182/4T	3180-ODP-W	\$65	M11	12
213/5T	3210-ODP-W	\$69	M11	15
254/6T	3250-SODP	\$72	M11	17

C-Flange Kits—Table G

Standard Features Include:

- ① Simple Field Conversion of Standard Motor to Accommodate C-Flange Mount
- ② Two-Year Warranty

**143T—215T FRAME
ROLLED STEEL
RSTE & RSTE-PR**

THREE-PHASE
TEFC

FRAME	CATALOG NUMBER	LIST PRICE	MULT. SYM	WT. (LBS.)
143/5T	3140-RSTE	\$34	M11	10
143/5T	3140-RSTE-PR	\$34	M11	10
182/4T	3180-RSTE	\$65	M11	12
182/4T	3180-RSTE-PR	\$65	M11	12
213/5T	3210-RSTE	\$69	M11	15

Severe Duty Conversion Kits—Table H

143T—449T FRAME
CAST IRON
NEWT & NEPE

Standard Features Include:

THREE-PHASE
TEFC

- 1 Cast Iron Fan Cover Kit for severe environments where a motor with all cast iron construction is required.
- 2 Two-Year Warranty

FRAME	CATALOG NUMBER	LIST PRICE	MULT. SYM.	WT. (LBS.)
143/5T	1140-NEWT*	\$58	M11	5
182/4T	1180-NEWT*	\$65	M11	6
213/5T	1210-NEWT	\$104	M11	10
213/5T	1210-NEPE	\$104	M11	10
254/6T	1250-NEWT	\$162	M11	20
284/6T	1280-NEWT*	\$209	M11	26
284/6T	1280-NEPE	\$209	M11	26
324/6T	1320-NEWT*	\$228	M11	42
324/6T	1320-NEPE	\$228	M11	42
364/5T	1360-NEWT	\$321	M11	50
364/5T	1360-NEPE	\$321	M11	50
404/5T	1400-NEWT	\$643	M11	65
404/5T	1400-NEPE	\$643	M11	65
444/5/7/9T	1440-NEWT**	\$689	M11	79
447/9T	1440-NEPE	\$689	M11	79

* Fits NEPE Frame Type As Well

** Fits 440 NEPE Frame Type As Well

Standard Features Include:

- ❶ 56—505U Frame Size in Stock;
56—145T Frames are Single-Adjusting Screw Type;
182T—505U Frames are Double-Adjusting Screw Type
- ❷ Bases are Provided with Washers
- ❸ Primed with Oven-Baked Primer for
Easy Painting (Color: Black)
- ❹ All “D” Bolts (or Motor Mounting Bolts) are
Welded Into Position to Prevent Spinning
and Dropping From the Slots
- ❺ All “D” Bolts (or Motor Mounting Bolts) are
Fixed to the Exact Foot Pattern of the Motor
to Aid in Easier Motor Installation
- ❻ Three (3) Year Warranty

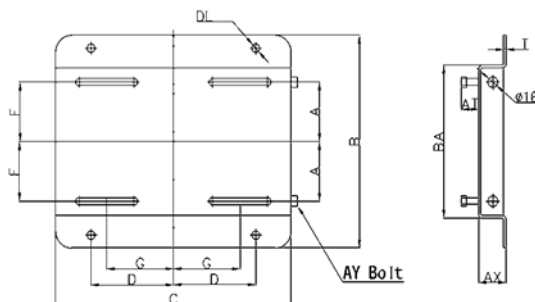


CATALOG NUMBER	WEIGHT (LBS.)	MULTIPLIER SYMBOL	LIST PRICE
NA56	3	M11	\$18
NA143	6	M11	\$35
NA145	7	M11	\$35
NA182	10	M11	\$48
NA184	10	M11	\$48
NA213	15	M11	\$71
NA215	17	M11	\$71
NA254	19	M11	\$97
NA256	20	M11	\$97
NA284	24	M11	\$109
NA286	25	M11	\$109
NA324	35	M11	\$159
NA326	36	M11	\$159
NA364	49	M11	\$221
NA365	50	M11	\$221
NA404	66	M11	\$271
NA405	68	M11	\$271
NA444	74	M11	\$307
NA445	76	M11	\$307
NA447	102	M11	\$406
NA449	105	M11	\$406
NA505	137	M11	\$630

Dimensions on p. 24

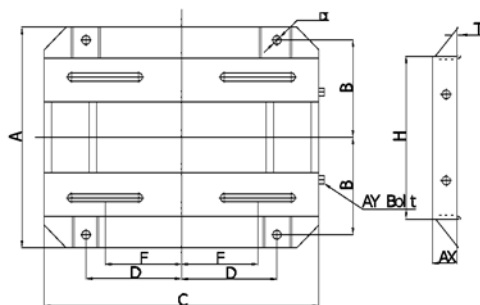
Dimensions—Motor Slide Base

56—286T FRAME MOTOR SLIDE BASE



FRAME #	A	B	C	D	G	F	BA	T	AX	AY BOLT	AT
56	2 7/8	6 1/2	10 5/8	3 13/16	2 7/16	1 1/2	4 1/2	.078	1 1/8	3/8*4	7/8
143T	3 3/8	7 1/2	10 1/2	3 3/4	2 3/4	2	5 1/2	.119	1 1/8	3/8*4	13/16
145T	3 7/8	8 1/2	10 1/2	3 3/4	2 3/4	2 1/2	6 1/2	.119	1 1/8	3/8*4	13/16
182T	4 1/4	9 1/2	12 3/4	4 1/2	3 3/4	2 1/4	6 1/2	.134	1 1/2	1/2*6	1 1/2
184T	4 3/4	10 1/2	12 3/4	4 1/2	3 3/4	2 3/4	7 1/2	.134	1 1/2	1/2*6	1 1/2
213T	4 3/4	11	15	5 1/4	4 1/4	2 3/4	7 1/2	.164	1 3/4	1/2*6	1 1/2
215T	5 1/2	12 1/2	15	5 1/4	4 1/4	3 1/2	9	.164	1 3/4	1/2*6	1 1/2
254T	6 5/8	15 1/8	17 3/4	6 1/4	5	4 1/8	10 3/4	3/16	2	5/8*6	1 7/16
256T	7 1/2	16 7/8	17 3/4	6 1/4	5	5	12 1/2	3/16	2	5/8*6	1 7/16
284T	7 1/2	16 7/8	19 3/4	7	5 1/2	4 3/4	12 1/2	3/16	2	5/8*6	1 11/16
286T	8 1/4	18 3/8	19 3/4	7	5 1/2	5 1/2	14	3/16	2	5/8*6	1 11/16

324T—505U FRAME MOTOR SLIDE BASE



FRAME #	A	B	C	D	F	H	T	AX	DI	AY BOLT
324T	19 1/4	8 1/2	22 3/4	8	6 1/4	14	3/16	2 1/2	3/4	3/4*9
326T	20 3/4	9 1/4	22 3/4	8	6 1/4	15 1/2	3/16	2 1/2	3/4	3/4*9
364T	20 1/2	9 1/8	25 1/2	9	7	15 1/2	1/4	2 1/2	3/4	3/4*9
365T	21 1/2	9 5/8	25 1/2	9	7	16 1/2	1/4	2 1/2	3/4	3/4*9
404T	22 3/8	9 7/8	28 3/4	10	8	16 1/2	1/4	3	7/8	3/4*11
405T	23 7/8	10 5/8	28 3/4	10	8	18	1/4	3	7/8	3/4*11
444T	24 5/8	11	31 1/4	11	9	19 1/4	1/4	3	7/8	3/4*11
445T	26 5/8	12	31 1/4	11	9	21 1/4	1/4	3	7/8	3/4*11
447T	30 1/8	13 3/4	31 1/4	11	9	24 3/4	5/16	3	7/8	3/4*11
449T	35 1/8	16 1/4	31 1/4	11	9	29 3/4	5/16	3	7/8	3/4*11
505U	30	13 1/2	35	12 1/2	10	22 3/4	5/16	3 1/2	1	7/8*12

Performance Data—Round Body

1 HP—30 HP GENERAL PURPOSE ROUND BODY/C-FLANGE CAST IRON

143TC—286TC FRAME
THREE-PHASE
TEFC

Model Number	HP	Full Load RPM	Frame	Service Factor	DE Bearing	ODE Bearing	NEMA Design	Full Load @ 460V	FLT Ft-Lb	LRT (%)	BDT (%)	Full Load % Efficiency	Full Load % Power Factor	Weight (lbs.)
PE143TC-1-4-RB-AI	1	1740	143TC	1.15	6206-ZZ	6206-ZZ	B	1.5	3.0	300	310	85.5	0.76	65
PE145TC-1.5-4-RB-AI	1.5	1740	145TC	1.15	6206-ZZ	6206-ZZ	B	2.2	4.5	320	330	86.5	0.76	68
PE145TC-2-4-RB-AI	2	1740	145TC	1.15	6205-ZZ	6205-ZZ	B	2.8	6.1	320	330	86.5	0.80	66
PE182TC-3-4-RB-AI	3	1745	182TC	1.15	6207-ZZ	6207-ZZ	B	4.0	9.0	250	320	89.5	0.82	101
PE184TC-5-4-RB-AI	5	1745	184TC	1.15	6306-ZZ	6306-ZZ	B	6.3	15.0	240	290	89.5	0.85	112
PE213TC-7.5-4-RB-AI	7.5	1750	213TC	1.15	6208-ZZ	6208-ZZ	B	9.0	22.5	195	260	91.7	0.85	189
PE215TC-10-4-RB-AI	10	1750	215TC	1.15	6208-ZZ	6208-ZZ	B	12.0	30.0	190	250	91.7	0.86	196
PE254TC-15-4-RB-AI	15	1750	254TC	1.15	6309	6309	B	18.0	44.8	185	230	92.4	0.86	328
PE256TC-20-4-RB-AI	20	1750	256TC	1.15	6309	6309	B	24.0	59.8	200	220	93.0	0.85	350
PE284TC-25-4-RB-AI	25	1760	284TC	1.15	6311	6311	B	28.5	74.3	180	260	93.6	0.90	462
PE286TC-30-4-RB-AI	30	1760	286TC	1.15	6311	6311	B	34.0	89.1	185	280	93.6	0.90	484

Performance Data—Aluminum

1 HP—10 HP GENERAL PURPOSE ALUMINUM

143T—215T FRAME
THREE-PHASE
TEFC

Model Number	HP	Load RPM	Frame	Service Factor	DE Bearing	ODE Bearing	NEMA Code	FLA @ 460V	FLT Ft-Lb	LRT (%)	BDT (%)	Full Load % Efficiency	Full Load % Power Factor	Weight (lbs.)
APE143T-1-2	1	3515	143T	1.15	6205-ZZ	6205-ZZ	B	1.75	1.50	200	290	77.0	0.69	33
APE143T-1-4	1	1745	143T	1.15	6205-ZZ	6205-ZZ	B	1.50	3.02	275	310	85.5	0.71	35
APE143T-1.5-2	1.5	3520	143T	1.15	6205-ZZ	6205-ZZ	B	2.00	2.20	200	280	84.0	0.74	33
APE145T-1.5-4	1.5	1750	145T	1.15	6205-ZZ	6205-ZZ	B	2.20	4.54	250	330	86.5	0.70	39
APE145T-2-2	2	3510	145T	1.15	6205-ZZ	6205-ZZ	B	2.65	3.00	190	285	85.5	0.82	37
APE145T-2-4	2	1745	145T	1.15	6205-ZZ	6205-ZZ	B	3.10	6.05	235	280	86.5	0.72	42
APE182T-3-2	3	3520	182T	1.15	6206-ZZ	6206-ZZ	B	3.70	4.49	180	280	86.5	0.85	65
APE182T-3-4	3	1760	182T	1.15	6206-ZZ	6206-ZZ	B	3.80	9.00	200	300	89.5	0.77	68
APE184T-5-2	5	3515	184T	1.15	6206-ZZ	6206-ZZ	B	5.80	7.46	170	285	88.5	0.90	82
APE184T-5-4	5	1755	184T	1.15	6206-ZZ	6206-ZZ	B	6.80	15.00	185	280	89.5	0.78	81
APE213T-7.5-2	7.5	3530	213T	1.15	6208-ZZ	6208-ZZ	B	8.80	11.19	160	290	89.5	0.90	105
APE213T-7.5-4	7.5	1770	213T	1.15	6208-ZZ	6208-ZZ	B	9.20	22.51	160	270	91.7	0.80	106
APE215T-10-2	10	3525	215T	1.15	6208-ZZ	6208-ZZ	B	11.40	14.90	160	290	90.2	0.92	123
APE215T-10-4	10	1770	215T	1.15	6208-ZZ	6208-ZZ	B	12.00	30.02	160	260	91.7	0.81	118

Performance Data—Rolled Steel

1/3 HP—2 HP GENERAL PURPOSE C-FLANGE W/ FEET ROLLED STEEL

56C/CH FRAME
SINGLE PHASE
TEFC

Model Number	HP	Full Load RPM	Frame	Service Factor	DE Bearing	ODE Bearing	NEMA Design	Full Load @ 230V	FLT Ft-Lb	LRT (%)	BDT (%)	Full Load % Efficiency	Full Load % Power Factor	Weight (lbs.)
F56C1/3S2C	1/3	3475	56C	1.15	6203-2RZC3	6203-2RZC3	N	1.92	0.68	350	416	60.7	0.92	20
F56C1/3S4C	1/3	1750	56C	1.15	6203-2RZC3	6203-2RZC3	N	1.96	1.35	340	403	65.0	0.84	22
F56C1/2S2C	1/2	3445	56C	1.15	6203-2RZC3	6203-2RZC3	L	2.52	1.02	325	416	70.8	0.91	24
F56C1/2S4C	1/2	1755	56C	1.15	6203-2RZC3	6203-2RZC3	L	2.85	2.03	320	335	71.1	0.80	28
F56C3/4S2C	3/4	3500	56C	1.15	6203-2RZC3	6203-2RZC3	L	3.41	1.49	345	378	75.1	0.95	26
F56C3/4S4C	3/4	1750	56C	1.15	6203-2RZC3	6203-2RZC3	L	3.66	3.01	310	333	74.6	0.89	33
F56C1S2C	1	3485	56C	1.15	6203-2RZC3	6203-2RZC3	L	4.31	2.03	235	314	76.1	0.99	30
F56C1S4C	1	1755	56C	1.15	6203-2RZC3	6203-2RZC3	L	4.54	4.07	302	302	77.6	0.92	36
F56C1.5S2C	1.5	3470	56C	1.15	6203-2RZC3	6203-2RZC3	L	6.23	3.05	230	282	81.3	0.96	36
F56CH1.5S4C	1.5	1750	56CH	1.15	6203-2RZC3	6203-2RZC3	L	6.20	6.12	280	260	81.7	0.96	44
F56CH2S2C	2	3495	56CH	1.15	6203-2RZC3	6203-2RZC3	L	7.96	4.07	265	301	82.3	0.99	43
F56CH2S4C	2	1745	56CH	1.15	6203-2RZC3	6203-2RZC3	L	8.08	8.18	266	229	83.6	0.96	52

1/3 HP—10 HP FARM DUTY ROLLED STEEL

56C—215T FRAME
SINGLE PHASE
TEFC

Model Number	HP	Full Load RPM	Frame	Service Factor	DE Bearing	ODE Bearing	NEMA Design	Full Load @ 230V	FLT Ft-Lb	LRT (%)	BDT (%)	Full Load % Efficiency	Full Load % Power Factor	Weight (lbs.)
F56C1/3S4C-MO	1/3	1750	56C	1.15	6203-2RZC3	6203-2RZC3	N	1.96	1.35	340	403	65.0	0.84	22
F56C1/2S4C-MO	1/2	1755	56C	1.15	6203-2RZC3	6203-2RZC3	L	2.85	2.03	320	335	71.1	0.80	28
F56C3/4S4C-MO	3/4	1750	56C	1.15	6203-2RZC3	6203-2RZC3	L	3.66	3.01	310	333	74.6	0.89	33
F56C1S4C-MO	1	1755	56C	1.15	6203-2RZC3	6203-2RZC3	L	4.54	4.07	302	302	77.6	0.92	36
F56CH1.5S4C-MO	1.5	1750	56CH	1.15	6203-2RZC3	6203-2RZC3	L	6.20	6.12	280	260	81.7	0.96	44
F56CH2S4C-MO	2	1745	56CH	1.15	6203-2RZC3	6203-2RZC3	L	8.08	8.18	266	229	83.6	0.96	52
F143T1S4C-MO	1	1750	143T	1.15	6205-2RZC3	6203-2RZC3	L	4.78	3.00	286	232	74.0	0.91	41
F145T1.5S4C-MO	1.5	1750	145T	1.15	6205-2RZC3	6203-2RZC3	L	6.60	4.50	260	241	77.0	0.95	45
F145T2S4C-MO	2	1745	145T	1.15	6205-2RZC3	6203-2RZC3	L	8.27	6.01	293	245	82.0	0.96	50
F182T3S4C-MO	3	1735	182T	1.15	6206-2RZC3	6205-2RZC3	L	6.35	9.06	276	240	81.5	0.94	92
F184T5S2C-MO	5	3500	184T	1.15	6206-2RZC3	6205-2RZC3	L	10.30	15.15	243	220	81.2	0.94	110
F184T5S4C-MO	5	1735	184T	1.15	6206-2RZC3	6205-2RZC3	L	10.30	7.52	243	200	84.7	0.99	115
F213T7.5S4C	7.5	1750	213T	1.15	6307-2RZC3	6206-2RZC3	L	14.60	22.49	321	240	84.4	0.96	140
F215T10S4C	10	1738	215T	1.0	6307-2RZC3	6206-2RZC3	L	18.90	30.18	299	225	88.7	0.97	150

3 HP—5 HP COMPRESSOR DUTY ROLLED STEEL

56H—184T FRAME
SINGLE PHASE
ODP

Model Number	HP	Full Load RPM	Frame	Service Factor	DE Bearing	ODE Bearing	NEMA Design	Full Load @ 230V	FLT Ft-Lb	LRT (%)	BDT (%)	Full Load % Efficiency	Full Load % Power Factor	Weight (lbs.)
D182T3S4C	3	1744	182T	1.15	6206-2RZC3	6205-2RZC3	L	11.76	9.03	284	215	84.9	0.96	78
D184T5S4C	5	1740	184T	1.15	6206-2RZC3	6203-2RZC3	L	20.20	15.11	319	220	83.4	0.97	96
D56H5S2C-MO	5	3455	56H	1.15	6205	6203	L	18.94	10.19	250	211	86.5	0.99	56

Performance Data—Rolled Steel

1/3 HP—3 HP GENERAL PURPOSE C-FLANGE W/ FEET ROLLED STEEL

56C/CH FRAME
THREE-PHASE
TEFC

Model Number	HP	Full Load RPM	Frame	Service Factor	DE Bearing	ODE Bearing	NEMA Design	Full Load @ 230V	FLT Ft-Lb	LRT (%)	BDT (%)	Full Load % Efficiency	Full Load % Power Factor	Weight (lbs.)
F56C1/3M2A	1/3	3515	56C	1.15	6203-2RZC3	6203-2RZC3	B	0.94	0.49	240	452	51.0	0.65	15
F56C1/3M2D	1/3	3470	56C	1.15	6203-2RZC3	6203-2RZC3	B	0.62	0.51	180	330	56.0	0.70	16
F56C1/3M4A	1/3	1765	56C	1.15	6203-2RZC3	6203-2RZC3	B	0.95	1.32	205	449	59.0	0.55	17
F56C1/3M4D	1/3	1740	56C	1.15	6203-2RZC3	6203-2RZC3	B	0.71	1.01	220	380	60.0	0.58	17
F56C1/2M2A	1/2	3533	56C	1.15	6203-2RZC3	6203-2RZC3	B	1.27	1.00	156	450	55.1	0.71	18
F56C1/2M2D	1/2	3540	56C	1.15	6203-2RZC3	6203-2RZC3	B	0.86	1.00	188	450	62.5	0.69	18
F56C1/2M4A	1/2	1764	56C	1.15	6203-2RZC3	6203-2RZC3	B	1.57	2.02	217	531	54.2	0.55	21
F56C1/2M4D	1/2	1765	56C	1.15	6203-2RZC3	6203-2RZC3	B	1.01	2.01	208	531	63.6	0.58	21
F56C3/4M2A	3/4	3520	56C	1.15	6203-2RZC3	6203-2RZC3	B	1.43	1.51	150	420	66.7	0.73	20
F56C3/4M2D	3/4	3510	56C	1.15	6203-2RZC3	6203-2RZC3	B	1.10	1.13	180	300	68.0	0.78	21
F56C3/4M4A	3/4	1764	56C	1.15	6203-2RZC3	6203-2RZC3	B	2.12	3.02	270	284	59.7	0.55	22
F56C3/4M4D	3/4	1730	56C	1.15	6203-2RZC3	6203-2RZC3	B	1.00	2.28	220	310	72.0	0.77	22
PR56C1M2A	1	3500	56C	1.15	6203-2RZC3	6203-2RZC3	B	1.60	2.03	236	365	82.5	0.76	21
PR56C1M2D	1	3500	56C	1.15	6203-2RZC3	6203-2RZC3	B	1.30	1.11	280	400	78.1	0.76	21
PR56C1M4A	1	1760	56C	1.15	6203-2RZC3	6203-2RZC3	B	1.75	2.22	375	466	83.1	0.65	31
PR56C1M4D	1	1766	56C	1.15	6203-2RZC3	6203-2RZC3	B	1.31	2.18	356	523	85.5	0.67	31
PR56C1.5M2A	1.5	3500	56C	1.15	6203-2RZC3	6203-2RZC3	B	2.15	1.68	304	401	85.1	0.79	28
PR56C1.5M2D	1.5	3510	56C	1.15	6203-2RZC3	6203-2RZC3	B	1.68	1.96	338	390	84.4	0.79	28
PR56C1.5M4A	1.5	1755	56C	1.15	6203-2RZC3	6203-2RZC3	B	2.50	3.28	349	441	84.8	0.71	36
PR56C1.5M4D	1.5	1766	56C	1.15	6203-2RZC3	6203-2RZC3	B	1.92	3.29	389	429	86.2	0.68	36
PR56C2M2A	2	3500	56C	1.15	6203-2RZC3	6203-2RZC3	B	2.65	2.21	268	352	85.6	0.83	32
PR56C2M2D	2	3511	56C	1.15	6203-2RZC3	6203-2RZC3	B	2.04	2.56	290	340	86.0	0.85	32
PR56CH2M4A	2	1750	56CH	1.15	6203-2RZC3	6203-2RZC3	B	3.10	4.44	339	416	85.6	0.72	42
PR56CH2M4D	2	1754	56CH	1.15	6203-2RZC3	6203-2RZC3	B	2.47	4.41	293	398	85.7	0.71	42
PR56CH3M2A	3	3484	56CH	1.15	6203-2RZC3	6203-2RZC3	B	3.61	3.82	327	325	87.5	0.89	40
PR56CH3M2D	3	3490	56CH	1.15	6203-2RZC3	6203-2RZC3	B	2.93	4.35	325	330	87.8	0.87	40

1 HP—10 HP GENERAL PURPOSE ROLLED STEEL

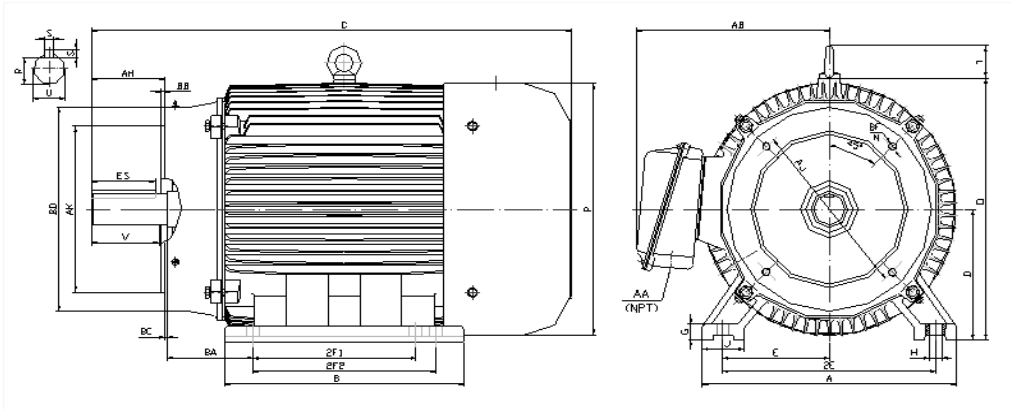
143T—215T FRAME
THREE-PHASE
TEFC

Model Number	HP	Full Load RPM	Frame	Service Factor	DE Bearing	ODE Bearing	NEMA Design	Full Load @ 230V	FLT Ft-Lb	LRT (%)	BDT (%)	Full Load % Efficiency	Full Load % Power Factor	Weight (lbs.)
PR143T1M4A	1	1760	143T	1.15	6205-2RZC3	6203-2RZC3	B	1.75	4.08	375	466	83.1	0.65	33
PR143T1.5M2A	1.5	3500	143T	1.15	6205-2RZC3	6203-2RZC3	B	2.15	3.07	304	401	85.1	0.79	30
PR145T1.5M4A	1.5	1755	145T	1.15	6205-2RZC3	6203-2RZC3	B	2.50	6.01	349	441	84.8	0.71	40
PR145T2M2A	2	3500	145T	1.15	6205-2RZC3	6203-2RZC3	B	2.65	4.06	268	352	85.6	0.83	34
PR145T2M4A	2	1750	145T	1.15	6205-2RZC3	6203-2RZC3	B	3.10	8.15	339	416	85.6	0.72	41
PR182T3M2A	3	3535	182T	1.15	6206-2RZC3	6206-2RZC3	B	3.80	6.05	226	380	87.4	0.84	71
PR182T3M4A	3	1760	182T	1.15	6206-2RZC3	6206-2RZC3	B	3.88	12.07	244	365	90.0	0.82	86
PR184T5M2A	5	3515	184T	1.15	6206-2RZC3	6206-2RZC3	B	6.40	10.14	200	310	89.2	0.86	83
PR184T5M4A	5	1740	184T	1.15	6206-2RZC3	6206-2RZC3	B	6.50	20.47	220	314	88.3	0.81	91
PR213T7.5M2A	7.5	3538	213T	1.15	6307-2RZC3	6206-2RZC3	B	8.86	14.98	194	251	88.6	0.87	74
PR213T7.5M4A	7.5	1760	213T	1.15	6307-2RZC3	6206-2RZC3	B	9.43	30.73	207	264	90.9	0.82	129
PR215T10M2A	10	3520	215T	1.15	6307-2RZC3	6206-2RZC3	B	11.90	20.44	173	297	89.7	0.89	130
PR215T10M4A	10	1754	215T	1.15	6307-2RZC3	6206-2RZC3	B	12.70	40.95	199	270	90.6	0.81	160

Dimensions—General Purpose

143TC—449TC FRAME CAST IRON C-FLANGE W/ FEET TEFC

GENERAL PURPOSE
THREE-PHASE

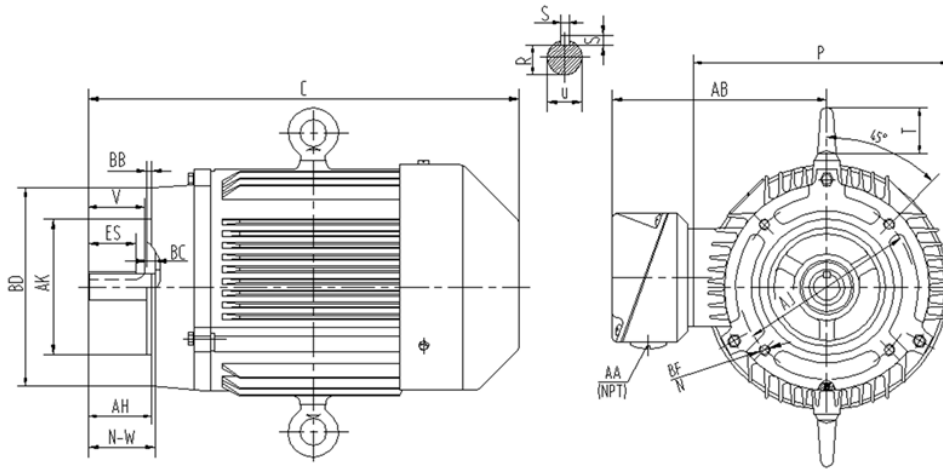


FRAME	AJ	AK	BA	BB	BC	BD	BOLT HOLES	N*BF	DEPTH OF HOLE	U	AH	R	ES	S
143TC	5.9	4.5	2.25	0.16	0.12	6.5	4	4*3/8-16	0.56	0.875	2.12	0.77	1.41	0.19
145TC	5.9	4.5	2.25	0.16	0.12	6.5	4	4*3/8-16	0.56	0.875	2.12	0.77	1.41	0.19
182TC	7.3	8.5	2.75	0.25	0.12	9.0	4	4*1/2-13	0.75	1.125	2.62	0.99	1.78	0.25
184TC	7.3	8.5	2.75	0.25	0.12	9.0	4	4*1/2-13	0.75	1.125	2.62	0.99	1.78	0.25
213TC	7.3	8.5	3.50	0.25	0.25	9.0	4	4*1/2-13	0.75	1.375	3.12	1.20	2.41	0.31
215TC	7.3	8.5	3.50	0.25	0.25	9.0	4	4*1/2-13	0.75	1.375	3.12	1.20	2.41	0.31
254TC	7.3	8.5	4.25	0.25	0.25	10.0	4	4*1/2-13	0.75	1.625	3.75	1.42	2.91	0.38
256TC	7.3	8.5	4.25	0.25	0.25	10.0	4	4*1/2-13	0.75	1.625	3.75	1.42	2.91	0.38
284TC	9.0	10.5	4.75	0.25	0.25	11.3	4	4*1/2-13	0.75	1.875	4.38	1.59	3.28	0.50
284TSC	9.0	10.5	4.75	0.25	0.25	11.3	4	4*1/2-13	0.75	1.625	3.00	1.42	1.91	0.38
286TC	9.0	10.5	4.75	0.25	0.25	11.3	4	4*1/2-13	0.75	1.875	4.38	1.59	3.28	0.50
286TSC	9.0	10.5	4.75	0.25	0.25	11.3	4	4*1/2-13	0.75	1.625	4.38	1.42	1.91	0.38
324TC	11.0	12.5	5.25	0.25	0.25	14.0	4	4*5/8-11	0.94	2.125	5.00	1.85	3.91	0.50
324TSC	11.0	12.5	5.25	0.25	0.25	14.0	4	4*5/8-11	0.94	1.875	3.50	1.59	2.03	0.50
326TC	11.0	12.5	5.25	0.25	0.25	14.0	4	4*5/8-11	0.94	2.125	5.00	1.85	3.91	0.50
326TSC	11.0	12.5	5.25	0.25	0.25	14.0	4	4*5/8-11	0.94	1.875	3.50	1.59	2.03	0.50
364TC	11.0	12.5	5.88	0.25	0.25	14.0	8	8*5/8-11	0.94	2.375	5.62	2.02	4.28	0.63
364TSC	11.0	12.5	5.88	0.25	0.25	14.0	8	8*5/8-11	0.94	1.875	3.50	1.59	2.03	0.50
365TC	11.0	12.5	5.88	0.25	0.25	14.0	8	8*5/8-11	0.94	2.375	5.62	2.02	4.28	0.63
365TSC	11.0	12.5	5.88	0.25	0.25	14.0	8	8*5/8-11	0.94	1.875	3.50	1.59	2.03	0.50
404TC	11.0	12.5	6.62	0.25	0.25	15.5	8	8*5/8-11	0.94	2.875	7.00	2.45	5.65	0.75
405TC	11.0	12.5	6.62	0.25	0.25	15.5	8	8*5/8-11	0.94	2.875	7.00	2.45	5.65	0.75
405TSC	11.0	12.5	6.62	0.25	0.25	15.5	8	8*5/8-11	0.94	2.125	4.00	1.85	2.78	0.50
444TC	14.0	16.0	7.50	0.25	0.25	18.0	8	8*5/8-11	0.94	3.375	8.25	2.88	6.91	0.88
444TSC	14.0	16.0	7.50	0.25	0.25	18.0	8	8*5/8-11	0.94	2.375	4.50	2.02	3.03	0.63
445TC	14.0	16.0	7.50	0.25	0.25	18.0	8	8*5/8-11	0.94	3.375	8.25	2.88	6.91	0.88
445TSC	14.0	16.0	7.50	0.25	0.25	18.0	8	8*5/8-11	0.94	2.375	4.50	2.02	3.03	0.63
447TC	14.0	16.0	7.50	0.25	0.25	18.0	8	8*5/8-11	0.94	3.375	8.25	2.88	6.91	0.88
447TSC	14.0	16.0	7.50	0.25	0.25	18.0	8	8*5/8-11	0.94	2.375	4.50	2.02	3.03	0.63
449TC	14.0	16.0	7.50	0.25	0.25	18.0	8	8*5/8-11	0.94	3.375	8.25	2.88	6.91	0.88
449TSC	14.0	16.0	7.50	0.25	0.25	18.0	8	8*5/8-11	0.94	2.375	4.50	2.02	3.03	0.63

Dimensions—Round Body

143TC—286TC FRAME CAST IRON ROUND BODY/C-FLANGE TEFC

GENERAL PURPOSE
THREE-PHASE

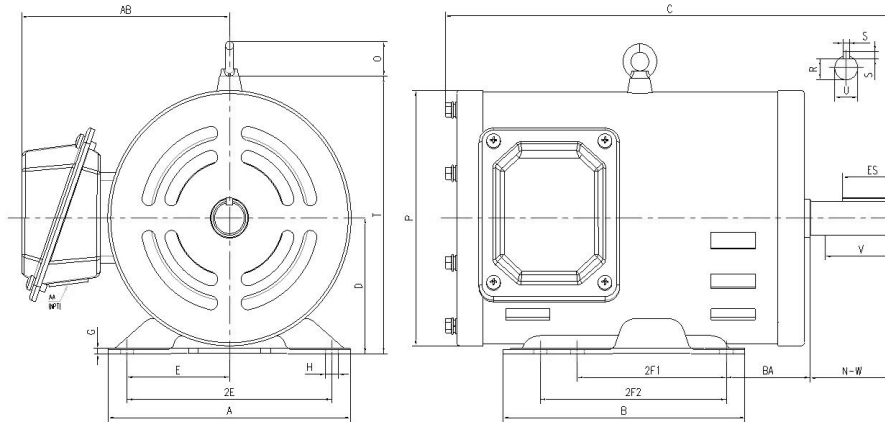


FRAME	C	P	T	AK	AJ	AH	BA	BB	BC	N*BF	U	R	S	ES	N-W	AA	AB
143TC	15.2	8.17	1.50	4.5	5.88	2.12	2.25	0.16	0.12	4*3/8-16	0.875	0.771	0.19	1.42	2.25	0.75	7.6
145TC	15.2	8.17	1.50	4.5	5.88	2.12	2.25	0.16	0.12	4*3/8-16	0.875	0.771	0.19	1.42	2.25	0.75	7.6
182TC	18.1	10.35	1.63	8.5	7.25	2.62	2.75	0.25	0.12	4*1/2-13	1.125	0.986	0.25	1.78	2.75	1.00	8.9
184TC	18.1	10.35	1.63	8.5	7.25	2.62	2.75	0.25	0.12	4*1/2-13	1.125	0.986	0.25	1.78	2.75	1.00	8.9
213TC	20.6	11.70	1.75	8.5	7.25	3.12	3.50	0.25	0.25	4*1/2-13	1.375	1.201	0.31	2.41	3.38	1.00	10.8
215TC	20.6	11.70	1.75	8.5	7.25	3.12	3.50	0.25	0.25	4*1/2-13	1.375	1.201	0.31	2.41	3.38	1.00	10.8
254TC	24.8	14.02	2.13	8.5	7.25	3.75	4.25	0.25	0.25	4*1/2-13	1.625	1.416	0.38	2.91	4.00	1.25	12.0
256TC	24.8	14.02	2.13	8.5	7.25	3.75	4.25	0.25	0.25	4*1/2-13	1.625	1.416	0.38	2.91	4.00	1.25	12.0
284TC	28.5	15.71	2.25	10.5	9.00	4.38	4.75	0.25	0.25	4*1/2-13	1.875	1.591	0.50	3.28	4.62	1.25	13.2
286TC	28.5	15.71	2.25	10.5	9.00	4.38	4.75	0.25	0.25	4*1/2-13	1.875	1.591	0.50	3.28	4.62	1.25	13.2

Dimensions—ODP

143T—449T FRAME ROLLED STEEL 1 HP—20 HP CAST IRON 15 HP—300 HP ODP

GENERAL PURPOSE
THREE-PHASE

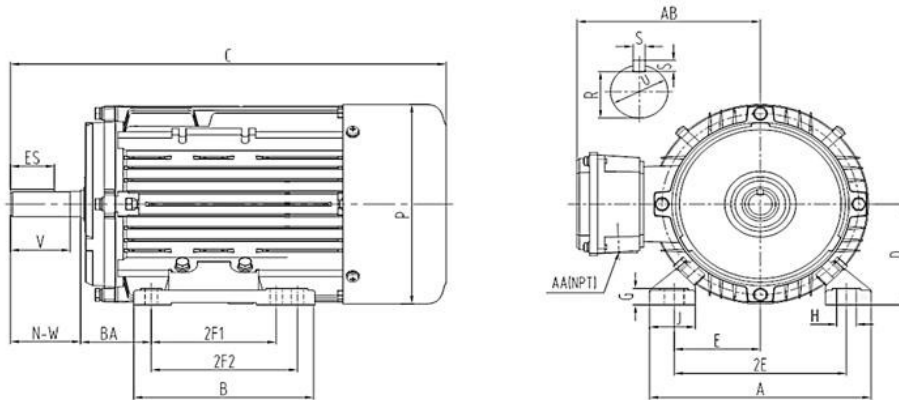


FRAME	E	2E	2F1	2F2	AB	H	BA	AA	A	B	C	D	G	J	O	P	R	S	T	ES	N-W	U
143T	2.8	5.5	4.0	5.0	5.7	0.35	2.25	0.9	6.5	6.5	11.2	3.5	0.12	N/A	6.8	6.45	0.77	0.19	0.0	1.41	2.25	0.875
145T	2.8	5.5	4.0	5.0	5.7	0.35	2.25	0.9	6.5	6.5	12.0	3.5	0.12	N/A	6.8	6.45	0.77	0.19	0.0	1.41	2.25	0.875
182T	3.8	7.5	4.5	5.5	7.0	0.71*0.47	2.75	0.9	8.8	6.5	14.1	4.5	0.12	N/A	9.5	8.55	0.99	0.25	1.6	1.78	2.75	1.125
184T	3.8	7.5	4.5	5.5	7.0	0.71*0.47	2.75	0.9	8.8	6.5	14.9	4.5	0.12	N/A	9.5	8.55	0.99	0.25	1.6	1.78	2.75	1.125
213T	4.3	8.5	5.5	7.0	7.8	0.43	3.50	0.9	9.5	8.0	16.5	5.3	0.16	N/A	11.2	10.10	1.20	0.31	1.7	2.41	3.38	1.375
215T	4.3	8.5	5.5	7.0	7.8	0.43	3.50	0.9	9.5	8.0	17.5	5.3	0.16	N/A	11.2	10.10	1.20	0.31	1.7	2.41	3.38	1.375
254T	5.0	10.0	8.3	10.0	9.4	0.53	4.25	1 1/4	11.9	11.7	22.2	6.3	0.70	N/A	13.0	12.90	1.42	0.38	2.2	2.91	4.00	1.625
256T	5.0	10.0	8.3	10.0	9.4	0.53	4.25	1 1/4	11.9	11.7	22.2	6.3	0.70	N/A	13.0	12.90	1.42	0.38	2.2	2.91	4.00	1.625
284T	5.5	11.0	9.5	11.0	10.1	0.53	4.75	1 1/2	13.0	12.8	24.8	7.0	0.70	N/A	14.3	13.95	1.59	0.50	2.2	3.28	4.62	1.875
284TS	5.5	11.0	9.5	11.0	10.1	0.53	4.75	1 1/2	13.0	12.8	23.4	7.0	0.70	N/A	14.3	13.95	1.42	0.38	2.2	1.91	3.25	1.625
286T	5.5	11.0	9.5	11.0	10.1	0.53	4.75	1 1/2	13.0	12.8	24.8	7.0	0.70	N/A	14.3	13.95	1.59	0.50	2.2	3.28	4.62	1.875
286TS	5.5	11.0	9.5	11.0	10.1	0.53	4.75	1 1/2	13.0	12.8	23.4	7.0	0.70	N/A	14.3	13.95	1.42	0.38	2.2	1.91	3.25	1.625
324T	6.3	12.5	10.5	12.0	11.4	0.66	5.25	2.0	14.6	14.0	27.1	8.0	0.85	N/A	16.1	15.35	1.85	0.50	2.6	3.91	5.25	2.125
324TS	6.3	12.5	10.5	12.0	11.4	0.66	5.25	2.0	14.6	14.0	25.6	8.0	0.85	N/A	16.1	15.35	1.59	0.50	2.6	2.03	3.75	1.875
326T	6.3	12.5	10.5	12.0	11.4	0.66	5.25	2.0	14.6	14.0	27.1	8.0	0.85	N/A	16.1	15.35	1.85	0.50	2.6	3.91	5.25	2.125
326TS	6.3	12.5	10.5	12.0	11.4	0.66	5.25	2.0	14.6	14.0	25.6	8.0	0.85	N/A	16.1	15.35	1.59	0.50	2.6	2.03	3.75	1.875
364T	7.0	14.0	11.3	12.3	12.4	0.66	5.88	3.0	17.0	14.7	29.3	9.0	1.05	N/A	18.1	17.20	2.02	0.63	2.6	4.28	5.88	2.375
364TS	7.0	14.0	11.3	12.3	12.4	0.66	5.88	3.0	17.0	14.7	27.2	9.0	1.05	N/A	18.1	17.20	1.59	0.50	2.6	2.03	3.75	1.875
365T	7.0	14.0	11.3	12.3	12.4	0.66	5.88	3.0	17.0	14.7	29.3	9.0	1.05	N/A	18.1	17.20	2.02	0.63	2.6	4.28	5.88	2.375
365TS	7.0	14.0	11.3	12.3	12.4	0.66	5.88	3.0	17.0	14.7	27.2	9.0	1.05	N/A	18.1	17.20	1.59	0.50	2.6	2.03	3.75	1.875
404T	8.0	16.0	12.3	13.8	14.5	0.81	6.62	3.0	19.1	17.0	33.3	10.0	1.15	N/A	21.0	20.25	2.45	0.75	2.6	5.65	7.25	2.875
404TS	8.0	16.0	12.3	13.8	14.5	0.81	6.62	3.0	19.1	17.0	30.3	10.0	1.15	N/A	21.0	20.25	1.85	0.50	2.6	2.78	4.25	2.125
405T	8.0	16.0	12.3	13.8	14.5	0.81	6.62	3.0	19.1	17.0	33.3	10.0	1.15	N/A	21.0	20.25	2.45	0.75	2.6	5.65	7.25	2.875
405TS	8.0	16.0	12.3	13.8	14.5	0.81	6.62	3.0	19.1	17.0	30.3	10.0	1.15	N/A	21.0	20.25	1.85	0.50	2.6	2.78	4.25	2.125
444T	9.0	18.0	14.5	16.5	18.9	0.81	7.50	3.0	22.3	20.8	39.5	11.0	1.15	N/A	22.6	23.30	2.88	0.88	3.0	6.91	8.50	3.375
444TS	9.0	18.0	14.5	16.5	18.9	0.81	7.50	3.0	22.3	20.8	34.8	11.0	1.15	N/A	22.6	23.30	2.02	0.63	3.0	3.03	4.75	2.375
445T	9.0	18.0	14.5	16.5	18.9	0.81	7.50	3.0	22.3	20.8	39.5	11.0	1.15	N/A	22.6	23.30	2.88	0.88	3.0	6.91	8.50	3.375
445TS	9.0	18.0	14.5	16.5	18.9	0.81	7.50	3.0	22.3	20.8	34.8	11.0	1.15	N/A	22.6	23.30	2.02	0.63	3.0	3.03	4.75	2.375
447T	9.0	18.0	N/A	20.0	18.9	0.81	7.50	3.0	22.3	24.0	43.0	11.0	1.15	N/A	22.6	23.30	2.88	0.88	3.0	6.91	8.50	3.375
447TS	9.0	18.0	N/A	20.0	18.9	0.81	7.50	3.0	22.3	24.0	38.3	11.0	1.15	N/A	22.6	23.30	2.02	0.63	3.0	3.03	4.75	2.375
449T	9.0	18.0	N/A	25.0	18.9	0.81	7.50	3.0	22.3	28.8	48.0	11.0	1.15	N/A	22.6	23.30	2.88	0.88	3.0	6.91	8.50	3.375
449TS	9.0	18.0	N/A	25.0	18.9	0.81	7.50	3.0	22.3	28.8	43.3	11.0	1.15	N/A	22.6	23.30	2.02	0.63	3.0	3.03	4.75	2.375

Dimensions—Aluminum

143T—215T FRAME ALUMINUM TEFC

GENERAL PURPOSE
THREE-PHASE



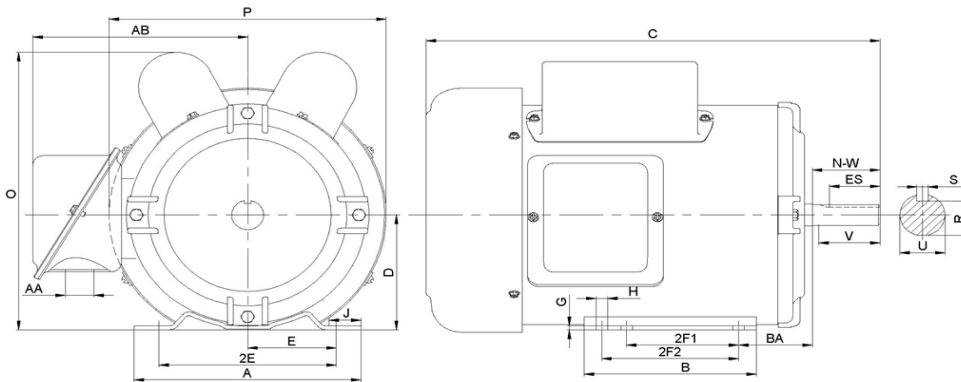
FRAME	E	2F1	2F2	AB	H	BA	AA	A	B	C	D	G	J	O	P	R	S	T	ES	N-W	U
143T	2.75	4.0	N/A	5.9	0.39	2.25	3/4	7.0	5.1	13.9	3.5	0.57	1.46	N/A	5.9	0.770	0.188	N/A	1.41	2.25	0.875
145T	2.75	4.9	N/A	5.9	0.39	2.25	3/4	7.0	6.2	15.1	3.5	0.57	1.46	N/A	5.9	0.771	0.188	N/A	1.41	2.25	0.875
182T	3.75	4.5	5.5	7.5	0.41	2.75	3/4	9.0	7.1	15.6	4.5	0.40	1.81	7.9	9.2	0.984	0.250	1.54	1.79	2.75	1.125
184T	3.75	4.5	5.5	7.5	0.41	2.75	3/4	9.5	7.1	16.6	4.5	0.40	1.81	7.9	9.2	0.984	0.250	1.54	1.79	2.75	1.125
213T	4.25	5.5	N/A	7.3	0.41	3.50	3/4	9.8	8.1	18.2	5.3	0.45	1.55	8.8	10.2	1.201	0.312	1.54	2.41	3.38	1.378
215T	4.25	5.5	7.0	7.3	0.41	3.50	3/4	9.8	8.1	19.6	5.3	0.45	1.55	8.8	10.2	1.201	0.312	1.54	2.41	3.38	1.378

Dimensions—Rolled Steel

Diagram A

56C—145T FRAME ROLLED STEEL GENERAL PURPOSE FARM DUTY TEFC

GENERAL PURPOSE
SINGLE PHASE



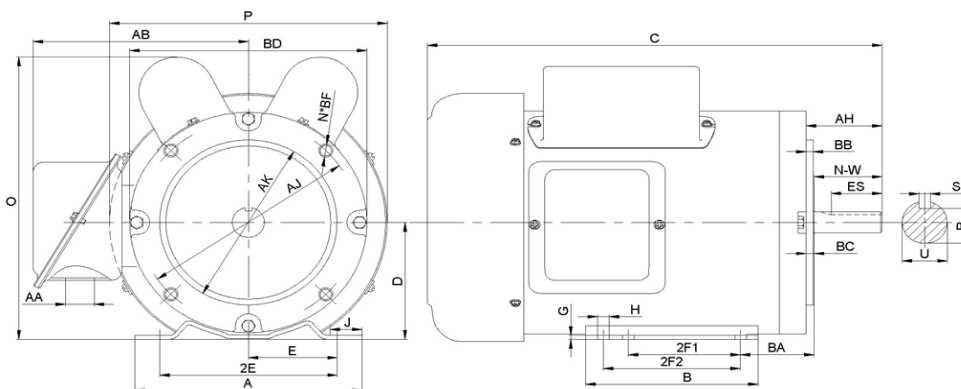
FRAME	Motor Dimensions										Shaft		Keyway			AA			
	A	B	Cmax	D	H	BA	2E	2F1	2F2	AB	T	O	P	N-W	U		S	R	ES
56C	6.30	4.00	11.50	3.5	0.34	2.75	4.9	3	N/A	5.75	N/A	7.99	6.82	1.88	0.625	0.188	0.517	1.41	1.10
56CH	6.50	6.50	12.50	3.5	0.34	2.75	4.9	3	5	5.75	N/A	7.99	6.82	1.88	0.625	0.188	0.517	1.41	1.10
143T	6.50	5.91	13.35	3.5	0.34	2.25	5.5	4	5	6.18	N/A	8.46	7.01	2.25	0.875	0.188	0.771	1.41	0.81
145T	6.50	5.91	14.19	3.5	0.34	2.25	5.5	4	5	6.18	N/A	8.46	7.01	2.25	0.875	0.188	0.771	1.41	0.81

Dimensions—Rolled Steel

Diagram B

56C—145TC FRAME ROLLED STEEL GENERAL PURPOSE FARM DUTY TEFC

GENERAL PURPOSE
C-FLANGE W/ FEET
SINGLE PHASE



FRAME	AJ	AK	BA	BB	BC	BD	N*BF	BF Dep	U	AH	R	ES	S	AA
56C	5.875	4.5	2.75	0.16	0.19	6.5	4*3/8-16	N/A	0.625	2.06	0.517	1.41	0.188	1.10
56CH	5.875	4.5	2.75	0.16	0.19	6.5	4*3/8-16	N/A	0.625	2.06	0.517	1.41	0.188	1.10
143TC	5.875	4.5	2.25	0.16	0.12	6.5	4*3/8-16	0.56	0.875	2.12	0.771	1.41	0.188	0.81
145TC	5.875	4.5	2.25	0.16	0.12	6.5	4*3/8-16	0.56	0.875	2.12	0.771	1.41	0.188	0.81

Dimensions—Rolled Steel

Diagram C

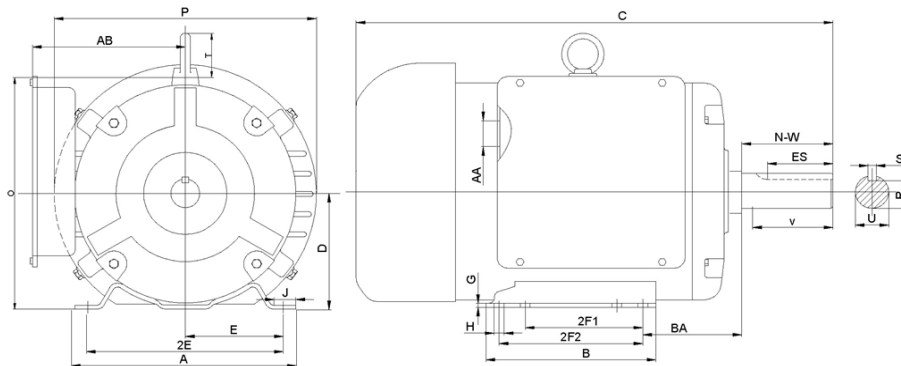
182T—215T FRAME

ROLLED STEEL

FARM DUTY

TEFC

SINGLE PHASE



FRAME	Motor Dimensions										Shaft			Keyway			AA		
	A	B	Cmax	D	H	BA	2E	2F1	2F2	AB	T	O	P	N-W	U	S		R	ES
182T	8.5	6.5	16.80	4.50	0.41	2.8	7.5	4.5	5.5	6.81	1.97	9.15	10.12	2.75	1.125	0.25	0.986	1.78	1.1
184T	8.5	6.5	17.87	4.50	0.41	2.8	7.5	4.5	5.5	6.81	1.97	9.15	10.12	2.75	1.125	0.25	0.986	1.78	1.1
213T	10.4	8.5	20.25	5.25	0.41	3.5	9.5	5.5	7.0	7.76	1.97	10.66	11.61	3.38	3.380	0.31	1.201	2.41	1.1
215T	10.4	8.5	20.25	5.25	0.41	3.5	9.5	5.5	7.0	7.76	1.97	10.66	11.61	3.38	3.380	0.31	1.201	2.41	1.1

Dimensions—Rolled Steel

Diagram D

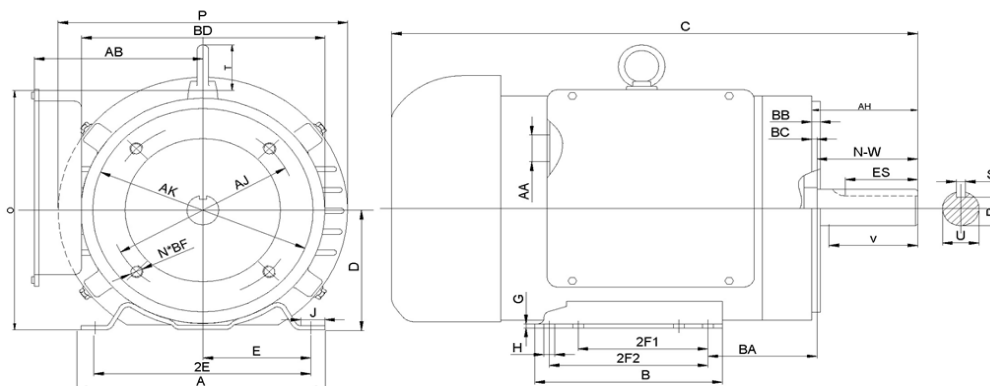
182TC—215TC FRAME

ROLLED STEEL

FARM DUTY

TEFC

C-FLANGE W/ FEET
SINGLE PHASE



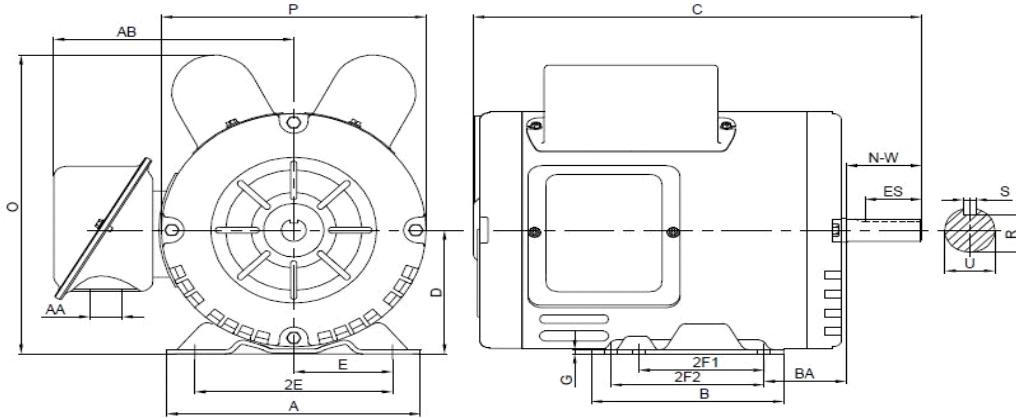
FRAME	AJ	AK	BA	BB	BC	BD	N*BF	BF Dep	U	AH	R	ES	S	AA
182TC	7.25	8.5	2.75	0.25	0.12	9	4*1/2-13	0.75	1.125	2.62	0.986	1.78	0.25	1.1
184TC	7.25	8.5	2.75	0.25	0.12	9	4*1/2-13	0.75	1.125	2.62	0.986	1.78	0.25	1.1
213TC	7.25	8.5	3.50	0.25	0.25	9	4*1/2-13	0.75	1.375	3.12	1.201	2.41	0.31	1.1
215TC	7.25	8.5	3.50	0.25	0.25	9	4*1/2-13	0.75	1.375	3.12	1.201	2.41	0.31	1.1

Dimensions—Rolled Steel

Diagram E

56H FRAME ROLLED STEEL COMPRESSOR DUTY ODP

SINGLE PHASE



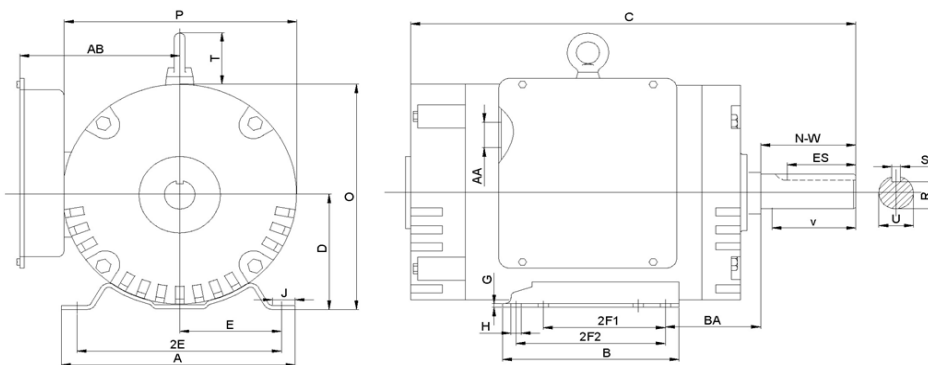
FRAME	Motor Dimensions													Shaft		Keyway			AA
	A	B	Cmax	D	H	BA	2E	2F1	2F2	AB	T	O	P	N-W	U	S	R	ES	
56H	6.5	6.5	13.4	3.5	0.34	2.75	4.9	3	5	5.75	NA	8.43	6.5	1.88	0.625	0.188	0.517	1.41	1.1

Dimensions—Rolled Steel

Diagram F

182T—184T FRAME ROLLED STEEL COMPRESSOR DUTY ODP

SINGLE PHASE



FRAME	Motor Dimensions													Shaft		Keyway			AA
	A	B	Cmax	D	H	BA	2E	2F1	2F2	AB	T	O	P	N-W	U	S	R	ES	
182T	8.5	6.5	15.8	4.5	0.41	2.75	7.5	4.5	5.5	6.81	1.97	9.15	8.5	2.75	1.125	0.25	0.986	1.78	1.1
184T	8.5	6.5	15.8	4.5	0.41	2.75	7.5	4.5	5.5	6.81	1.97	9.15	8.5	2.75	1.125	0.25	0.986	1.78	1.1

Dimensions—Rolled Steel

Diagram G

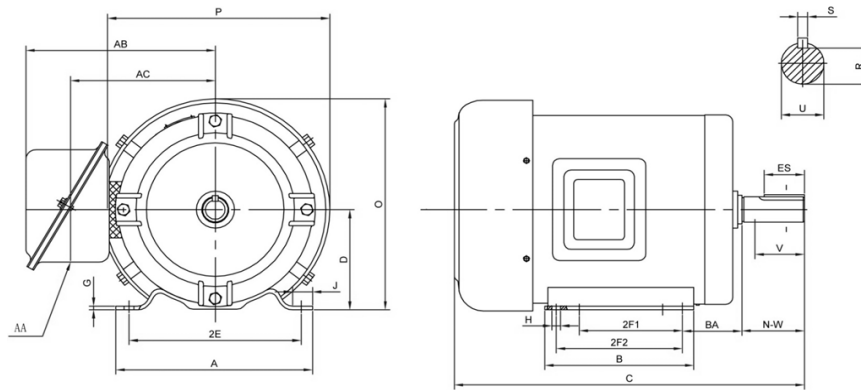
56C—215T FRAME

ROLLED STEEL

GENERAL PURPOSE

TEFC

THREE-PHASE



FRAME	Motor Dimensions											Shaft		Keyway			AA		
	A	B	Cmax	D	H	BA	2E	2F1	2F2	AB	T	O	P	N-W	U	S		R	ES
56C	6.3	3.94	11.9	3.5	0.35	2.75	4.9	3.0	N/A	6.3	N/A	7.0	7.0	1.88	0.625	0.188	0.517	1.38	0.80
56CH	6.5	6.50	12.7	3.5	0.35	2.75	4.9	3.0	5.0	6.3	N/A	7.0	7.0	1.88	0.625	0.188	0.517	1.38	0.80
143T	6.5	5.90	12.6	3.5	0.35	2.25	5.5	4.0	5.0	6.3	N/A	7.0	7.0	2.25	0.875	0.188	0.771	1.38	1.10
145T	6.5	5.90	13.0	3.5	0.35	2.25	5.5	4.0	5.0	6.3	N/A	7.0	7.0	2.25	0.875	0.188	0.771	1.38	1.10
182T	8.5	6.50	15.8	4.5	0.43	2.75	7.5	4.5	5.5	7.3	2	9.3	10.1	2.75	1.125	0.250	0.986	1.75	1.10
184T	8.5	6.50	15.8	4.5	0.43	2.75	7.5	4.5	5.5	7.3	2	9.3	10.1	2.75	1.125	0.250	0.986	1.75	1.10
213T	10.4	8.50	19.2	5.3	0.45	3.50	8.5	5.5	7.0	8.5	2	10.6	11.7	3.38	1.375	0.312	1.201	2.38	1.38
215T	10.4	8.50	19.2	5.3	0.45	3.50	8.5	5.5	7.0	8.5	2	10.6	11.7	3.38	1.375	0.312	1.201	2.38	1.38

Dimensions—Rolled Steel

Diagram H

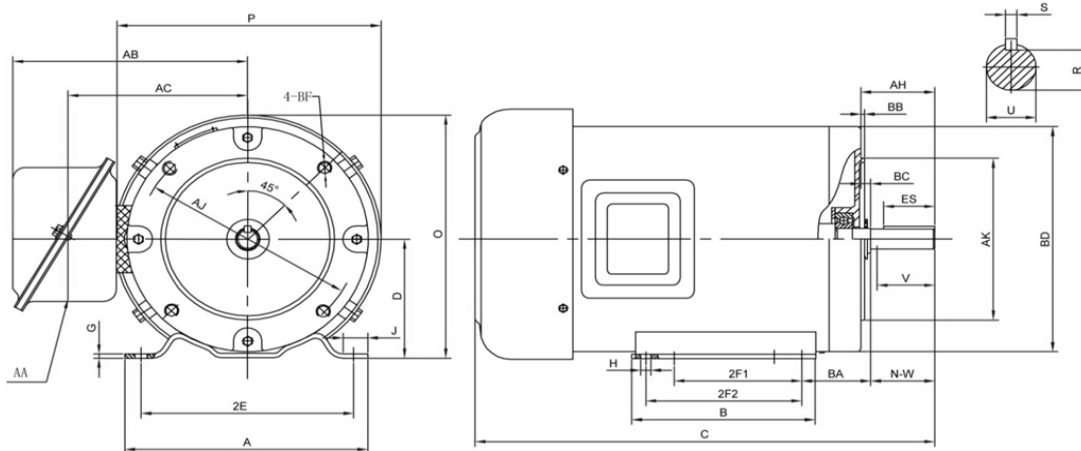
56C—215TC FRAME

ROLLED STEEL

GENERAL PURPOSE

TEFC

C-FLANGE W/ FEET
THREE-PHASE



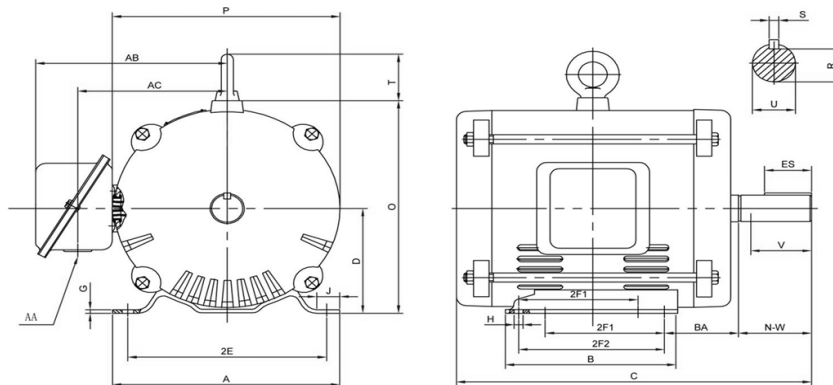
FRAME	AJ	AK	BA	BB	BC	BD	BF	BF Dep	U	AH	R	ES	S	AA
56C	5.875	4.5	2.75	0.16	-0.19	6.5	3/8-16UNC	N/A	0.625	2.07	0.517	1.38	0.188	0.8
56CH	5.875	4.5	2.75	0.16	-0.19	6.5	3/8-16UNC	N/A	0.625	2.07	0.517	1.38	0.188	0.8
143TC	5.875	4.5	2.25	0.16	-0.14	6.5	3/8-16UNC	0.56	0.875	2.39	0.771	1.38	0.188	1.1
145TC	5.875	4.5	2.25	0.16	-0.14	6.5	3/8-16UNC	0.56	0.875	2.39	0.771	1.38	0.188	1.1
182TC	7.250	8.5	2.75	0.25	0.13	9.0	1/2-13UNC	0.75	1.125	2.62	0.986	1.75	0.250	1.1
184TC	7.250	8.5	2.75	0.25	0.13	9.0	1/2-13UNC	0.75	1.125	2.62	0.986	1.75	0.250	1.1
213TC	7.250	8.5	3.50	0.25	0.26	9.0	1/2-13UNC	0.75	1.375	3.12	1.201	2.38	0.312	1.38
215TC	7.250	8.5	3.50	0.25	0.26	9.0	1/2-13UNC	0.75	1.375	3.12	1.201	2.38	0.312	1.38

Dimensions—Rolled Steel

Diagram I

254T—256T FRAME ROLLED STEEL GENERAL PURPOSE ODP

THREE-PHASE



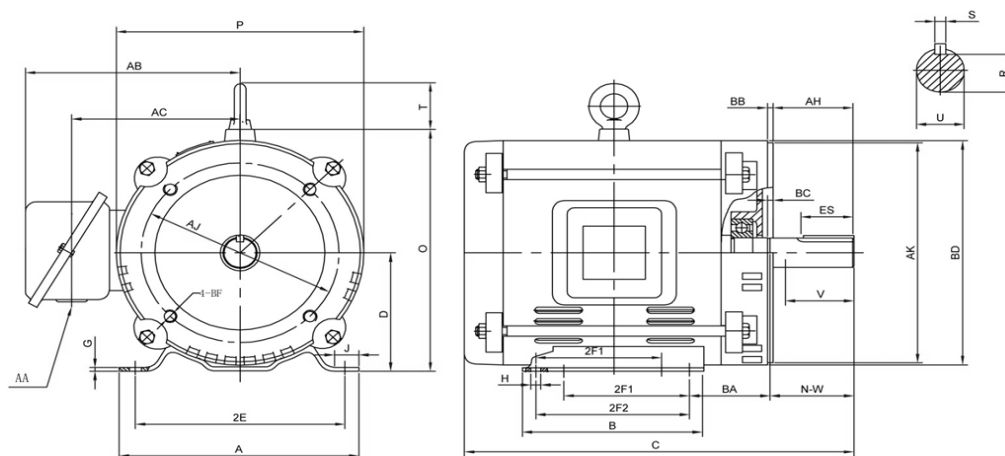
FRAME	Motor Dimensions													Shaft		Keyway			AA
	A	B	Cmax	D	H	BA	2E	2F1	2F2	AB	T	O	P	N-W	U	S	R	ES	
254T	11.3	11.3	20.7	6.25	0.47	4.25	10	8.3	10.0	9.6	NA	12.0	11.5	4	1.625	0.375	1.416	2.91	1.38
256T	11.3	11.3	20.7	6.25	0.47	4.25	10	8.3	10.0	9.6	NA	12.0	11.5	4	1.625	0.375	1.416	2.91	1.38

Dimensions—Rolled Steel

Diagram J

254TC—256TC FRAME ROLLED STEEL GENERAL PURPOSE ODP

C-FLANGE W/ FEET
THREE-PHASE



FRAME	AJ	AK	BA	BB	BC	BD	BF	BF Dep	U	AH	R	ES	S	AA
254TC	7.25	8.5	4.25	0.25	0.25	10	1/2-13UNC	0.75	1.625	3.75	1.416	2.91	0.375	1.38
256TC	7.25	8.5	4.25	0.25	0.25	10	1/2-13UNC	0.75	1.625	3.75	1.416	2.91	0.375	1.38

MOTOR WARRANTY POLICY & PROCEDURES NO-FAULT WARRANTY POLICY

Motors with frame sizes 215T and smaller are covered under our “No-Fault Warranty”. The warranty period is 24 months from the date of invoice. This special limited warranty is offered one time per end-user, per application. If there is more than one failure, please follow our standard limited warranty policy and procedure and contact our warranty department for assistance. For information regarding this warranty policy you may contact our customer service department at (800)884-0404 or visit our website at www.naemotors.com.

North American Electric’s liability under this warranty or any other warranty, expressed or implied, in law or fact, shall be limited to the replacement of the motor, and in no event shall North American Electric, Inc. be liable for consequential or indirect damages, including freight.

When filing a claim under our “No Fault Warranty”, you must provide the following documentation to ensure your claim is processed in a timely manner.

- Original nameplate from the failed motor
- Copy of the original North American Electric, Inc. invoice or the invoice number for the failed motor
- A brief description of the failure for quality control purposes

Note: Please make a legible photo copy of the nameplate from the failed motor for your records.

STANDARD LIMITED WARRANTY POLICY

General Purpose Cast Iron Motors (TEFC & ODP).....	36 months from date of invoice
General Purpose, Aluminum Motors.....	36 months from date of invoice
Rolled Steel Motors, Single Phase.....	24 months from date of invoice
Rolled Steel Motors, Three-Phase.....	36 months from date of invoice
Crusher Duty Motors.....	36 months from date of invoice
Stainless Steel Motors.....	24 months from date of invoice
Close Coupled Pump Motors.....	36 months from date of invoice
Explosion Proof Motors.....	24 months from date of invoice
Oil Well Pump Motors.....	36 months from date of invoice
Vertical Hollow Shaft Motors.....	24 months from date of invoice
Rotary Phase Converters.....	24 months from date of invoice
Shaft Mount Reducers.....	24 months from date of invoice
Motor Slide Bases.....	36 months from date of invoice

North American Electric, Inc. shall, at its option and expense, either repair or replace any such motor or part, which is defective within the warranty period. To be covered under warranty, any motor must have at all times been operated or used under normal operating conditions for which the motor was designed.

In the event of warranty claims, North American Electric, Inc. must be notified promptly following any motor failure. The motor should be sent to a North American Electric, Inc. authorized service center to diagnose cause of failure. After this examination, a determination will be made if the failure was due to defective material and/or workmanship. If the failure was due to defective material and/or workmanship, North American Electric, Inc. will replace or repair the motor. **DO NOT** repair any motor without a prior written purchase order from North American Electric, Inc.

North American Electric’s liability under this warranty or any other warranty, expressed or implied, in law or fact, shall be limited to the replacement of the motor, and in no event shall North American Electric, Inc. be liable for consequential or indirect damages, including freight.

When filing a claim under our standard Limited Warranty Policy, please be prepared to provide the following:

- 1) Serial Number
- 2) Model Number
- 3) EASA Report
- 4) Photographs showing the cause of failure
- 5) Estimated cost of repair
- 6) Nameplate (photo of nameplate for stainless steel/washdown duty motors) if motor is to be replaced.

For more information about warranty policies and procedures please contact our customer service department at (800) 884-0404, visit our website at www.naemotors.com or send us an email at sales@naemotors.com.



CONTINUING EDUCATION

North American Electric's continuing education courses were created with you in mind to provide information, tools, technical support, and training to sell, install, and support low voltage AC drives.

CONTINUING EDUCATION



NAE University offers professional, comprehensive, and educational programs including:

- Sales/Product Training
 - Electric Motors
 - Electric Motor Controls
- Motor Start Up / Basic Programming of Low Voltage AC Drives
- Maintenance and Troubleshooting Training
 - Electric Motors
 - Electric Motor Controls

We provide in depth, hands on training at our headquarters in Hernando, Mississippi. We also provide on-site training at your location as well as internet courses and webinars.

For more information, please visit our website at www.naemotors.com, or contact us at 800-884-0404.



NAE Motor Controls

 508A Listed Panel Shop



General Purpose Motors & More



 **North American Electric, Inc.**

800.884.0404

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