

TFA Series NEMA Premium Efficiency 3-Phase Motors

1/4 thru 50HP Aluminum TEFC

-56 thru 326T

FEATURES

- 208–230/460V/60Hz
- NEMA Service Factor 1.15/1.25
- Continuous Duty 40°C Ambient
- Class F Insulation With Class B Temp Rise
- NEMA Design B
- Ball Bearings
- Aluminum Housing
- IP55 Protection

APPLICATIONS

- Pumps
- Compressors
- Fans
- Conveyors
- Machine Tools
- Petro–Chemical Plants
- Three Phase or Other General Purpose Applications

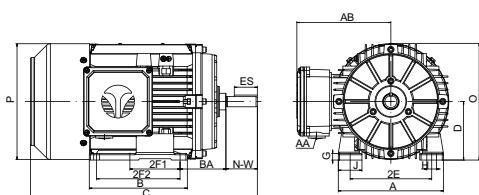
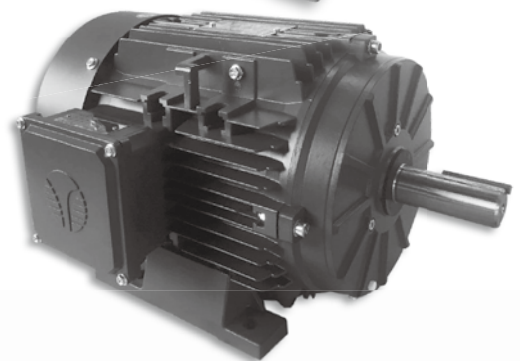


Figure 1 56 thru 320T (Foot Mounting)

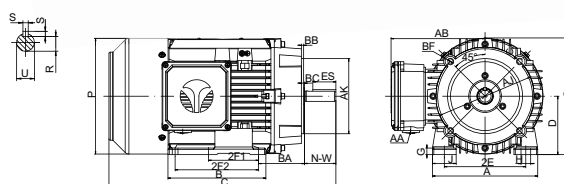


Figure 2 56 thru 140T (C- Face)

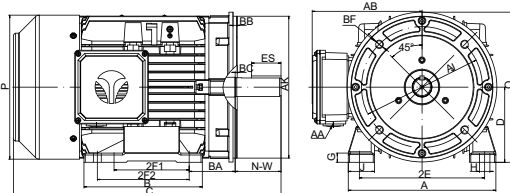


Figure 3 180T thru 320T (C- Face)

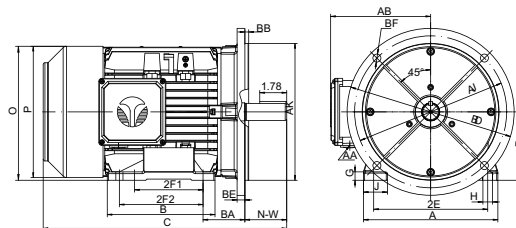


Figure 4 140T thru 320T (D- Face)

Overall & Installation Dimensions

Frame	Foot Mounting					Shaft					General					Bearings					C- Face				D- Face								
	A	B	D	2E	2F1	2F2	BA	H	U	N-W	R	ES	S	AA	G	J	AB	O	P	DE	NDE	AJ	AK	BB	BC	BF	AJ	AK	BB	BD	BE	BF	
56	6.3	3.95	3.5	4.88	3		2.75	0.73×0.335	0.625	1.875	0.517	1.375	0.1875	1/2-14NPT	0.43	1.37	5.2	6.6	6.2	6204	6204	5.875	4.5	0.16	-0.19	4×3/8-16UNC							
56H	6.3	5.9	3.5	4.88	3	5	2.75	0.58×0.335	0.625	1.875	0.517	1.375	0.1875	1/2-14NPT	0.39	1.41	5.65	7.0	6.95	6205	6205	5.875	4.5	0.16	-0.19	4×3/8-16UNC							
140T	6.9	5.86	3.5	5.5	4	5	2.25	0.50×0.35	0.875	2.25	0.771	1.375	0.1875	3/4-14NPT	0.47	1.41	5.65	7.0	6.95	6205	6205	5.875	4.5	0.16	0.12	4×3/8-16UNC	10.0	9.0	0.25	11.0	0.5	4×0.53	
180T	8.85	7.1	4.5	7.5	4.5	5.5	2.75	0.59×0.433	1.125	2.75	0.986	1.75	0.25	3/4-14NPT	0.55	1.57	6.6	8.85	8.65	6306	6206	7.25	8.5	0.25	0.12	4×1/2-13UNC	10.0	9.0	0.25	11.0	0.5	4×0.53	
210T	10.3	8.85	5.25	8.5	5.5	7	3.5	0.59×0.433	1.375	3.375	1.201	2.41	0.312	1-11 1/2NPT	0.63	1.73	7.4	10.4	10.3	6308	6208	7.25	8.5	0.25	0.25	4×1/2-13UNC	10.0	9.0	0.25	11.0	0.5	4×0.53	
254T	12.4	10.25	6.25	10.0	8.25		4.25	0.83×0.59	1.625	4.0	1.416	2.91	0.375	1 1/4-11 1/2NPT	0.74	2.36	8.5	12.5	12.4	6309	6209	7.25	8.5	0.25	0.25	4×1/2-13UNC	12.5	11.0	0.25	14.0	0.75	4×0.81	
256T	12.4	10.25	6.25	10.0	10.0		4.25	0.83×0.59	1.625	4.0	1.416	2.91	0.375	1 1/4-11 1/2NPT	0.74	2.36	8.5	12.5	12.4	6309	6209	7.25	8.5	0.25	0.25	4×1/2-13UNC	12.5	11.0	0.25	14.0	0.75	4×0.81	
280T	13.4	13.0	7.0	11.0	9.5	11.0	4.75	0.985×0.59	1.875	4.62	1.591	3.28	0.5	1 1/2-11 1/2NPT	0.71	2.36	10.2	14.1	14.0	6311	6211	9.0	10.5	0.25	0.25	4×1/2-13UNC	12.5	11.0	0.25	14.0	0.75	4×0.81	
320T	15.3	14.8	8.0	12.5	10.5	12.0	5.25	1.496×0.74	2.125	5.25	1.845	3.91	0.5	1 1/2-11 1/2NPT	0.79	3.82	10.2	14.9	14.0	6312	6212	11.0	12.5	0.25	0.25	4×5/8-11UNC	16.0	14.0	0.25	18.0	0.75	4×0.81	

The Premier NEMA Aluminum Motor

COBRA LINE

IEC MOTOR

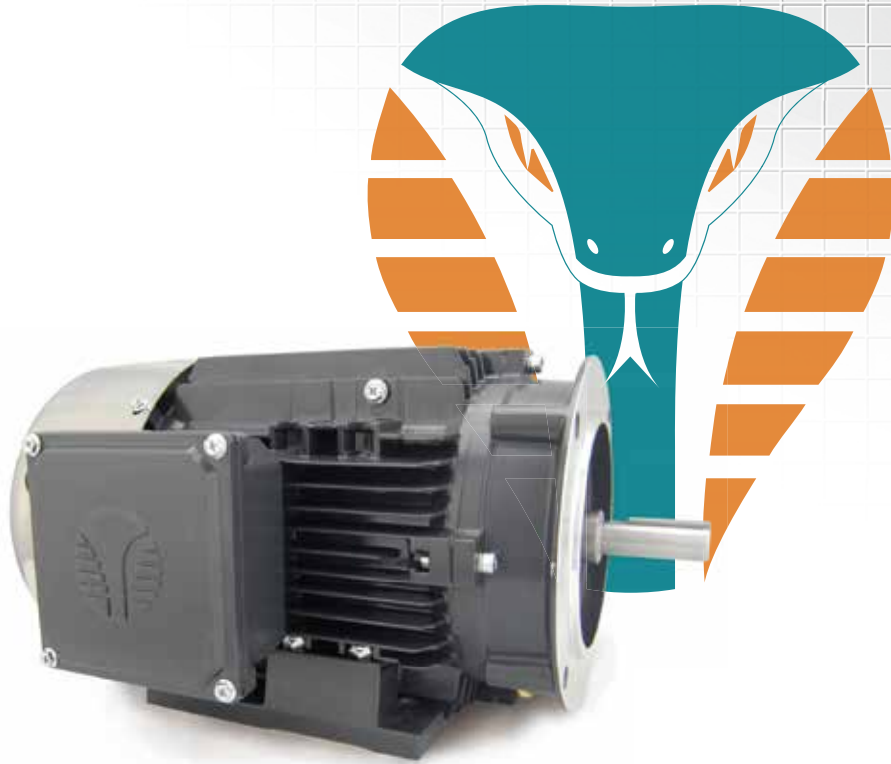
FIRE PUMP MOTOR

GOST MOTOR

NEMA MOTOR

DC MOTOR

EC MOTOR



NEW EXTERIOR FEATURES 1

- COBRA LOGO Laser Engrave
- Stainless Steel Fan Cover
- Powder Coat Paint Finish
- New C-Flange Design
- New C-Flange Weep Hole

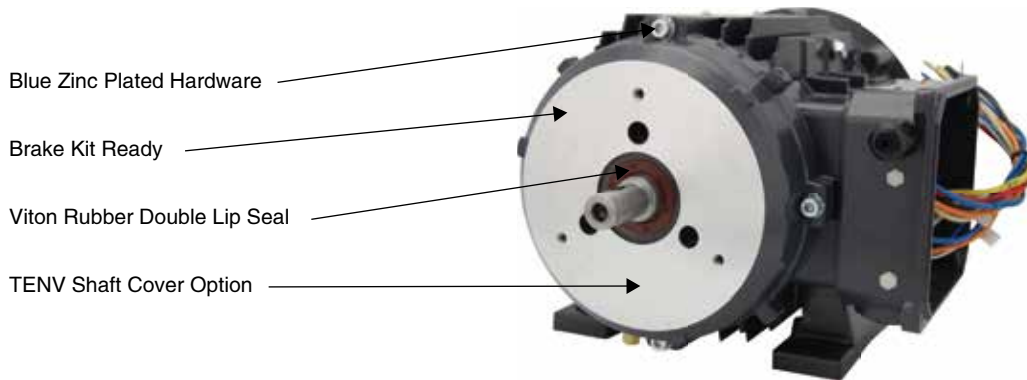


NEW EXTERIOR FEATURES 2

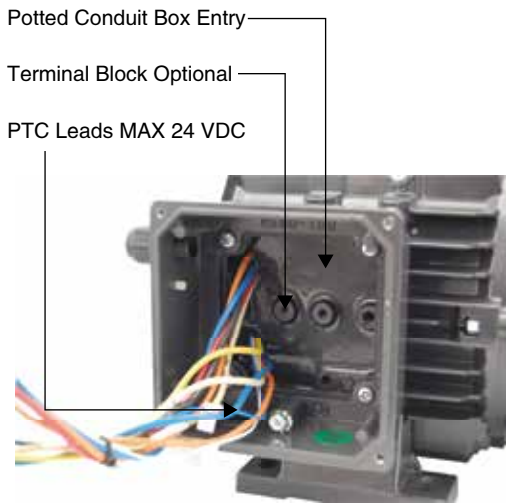
- New Fan Design
- Brake Leads Entry Port
- Shaft extension for Encoder
- Encoder mount threaded inserts
- Threaded Holes for Brake Rectifier



NEW EXTERIOR FEATURES 3



NEW INTERIOR FEATURES 1



NEW INTERIOR FEATURES 2

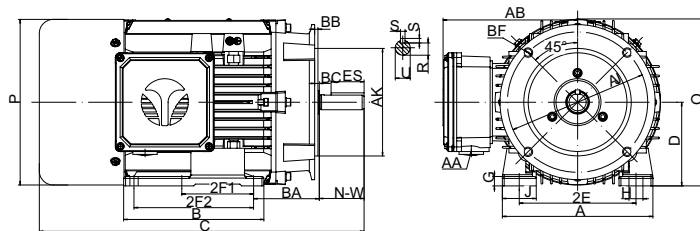


Figure 1 56, 56H, 140T

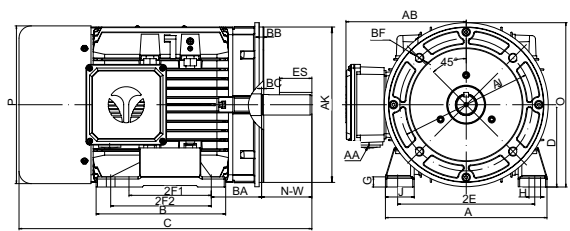


Figure 2 180T thru 250T

Overall & Installation Dimensions

Frame	Foot Mounting						Shaft						General					Bearings		C-Face							
	A	B	D	2E	2F1	2F2	BA	H	U	N-W	R	ES	S	AA	G	J	AB	O	P	C	DE	NDE	AJ	AK	BB	BC	BF
56	6.3	3.95	3.5	4.88	3		2.75	0.73×0.335	0.625	1.875	0.517	1.375	0.1875	1/2-14NPT	0.43	1.37	5.2	6.6	6.2	11.5	6204	6204	5.875	4.5	0.16	-0.19	4×3/8-16UNC
56H	6.3	5.9	3.5	4.88	3	5	2.75	0.58×0.335	0.625	1.875	0.517	1.375	0.1875	1/2-14NPT	0.39	1.41	5.65	7.0	6.95	13.6	6205	6205	5.875	4.5	0.16	-0.19	4×3/8-16UNC
140T	6.9	5.86	3.5	5.5	4	5	2.25	0.50×0.35	0.875	2.25	0.771	1.375	0.1875	3/4-14NPT	0.47	1.41	5.65	7.0	6.95	13.7	6205	6205	5.875	4.5	0.16	0.12	4×3/8-16UNC
180T	8.85	7.1	4.5	7.5	4.5	5.5	2.75	0.59×0.433	1.125	2.75	0.986	1.75	0.25	3/4-14NPT	0.55	1.57	6.6	8.85	8.65	16.1	6306	6206	7.25	8.5	0.25	0.12	4×1/2-13UNC
210T	10.3	8.85	5.25	8.5	5.5	7	3.5	0.59×0.433	1.375	3.375	1.201	2.41	0.312	1-11 1/2NPT	0.63	1.73	7.4	10.4	10.3	19.0	6308	6208	7.25	8.5	0.25	0.25	4×1/2-13UNC
254T	12.4	10.25	6.25	10.0	8.25		4.25	0.83×0.59	1.625	4.0	1.416	2.91	0.375	1 1/4-11 1/2NPT	0.74	2.36	8.5	12.5	12.4	24.0	6309	6209	7.25	8.5	0.25	0.25	4×1/2-13UNC
256T	12.4	10.25	6.25	10.0	10.0		4.25	0.83×0.59	1.625	4.0	1.416	2.91	0.375	1 1/4-11 1/2NPT	0.74	2.36	8.5	12.5	12.4	25.8	6309	6209	7.25	8.5	0.25	0.25	4×1/2-13UNC

Three-Phase TEFC Motors Technical Data

HP	Full Load Speed, RPM	Frame Size	EFF. 100% FL	Power Factor 100% FL	IFL 460V A	Full Load Torque Lb-Ft	Moment Of Inertia Lb-Ft Squared	Locked Rotor		TST TFL	TPU TFL	TM TFL	Service Factor	Dim "C"
								KVA Code	II/In					
1/4	3520	56	66.0	69.0	0.49	0.36	0.0107	L	6.3	3	2.2	3.4	1.25	11.5
	1750	56	70.0	58.0	0.55	0.72	0.0169	K	5	2.9	2.4	3.7	1.25	11.5
	1150	56	72.0	61.0	0.51	1.10	0.0242	J	4.4	2.3	2	2.8	1.25	11.5
1/3	3520	56	72.0	70.0	0.62	0.50	0.0121	M	7.4	3.3	2.7	4.1	1.25	11.5
	1750	56	74.0	63.0	0.67	1.00	0.0188	K	5.6	3.4	2.7	3.7	1.25	11.5
	1150	56	72.0	62.0	0.69	1.53	0.0299	J	4.4	2.1	1.8	2.7	1.25	11.5
1/2	3490	56	74.0	72.0	0.87	0.75	0.0121	L	6.7	3.1	3	3.8	1.25	11.5
	1750	56	78.5	66.0	0.90	1.49	0.0228	L	6.4	3.2	2.7	3.7	1.25	11.5
	1140	56	75.5	66.0	0.93	2.29	0.0382	H	4.5	2.5	2.3	2.8	1.25	11.5
3/4	3500	56	77.0	75.0	1.20	1.11	0.0142	L	7.3	3.1	2.4	3.4	1.25	11.5
	1750	56	81.5	68.0	1.25	2.21	0.0268	L	7	3.4	2.9	3.9	1.25	11.5
	1160	56H	81.5	66.0	1.28	3.34	0.0726	J	5.8	2.5	2.3	3.3	1.25	13.6
1	3490	56	79.0	77.0	1.55	1.51	0.0161	K	7.2	3.1	2.1	3.1	1.25	11.5
	3490	56H	79.0	76.0	1.56	1.51	0.0228	K	6.9	2.8	2.2	3.3	1.25	13.6
		140T												13.7
	1745	56	85.5	69.0	1.59	3.03	0.0387	L	7.7	3.7	3.6	4.4	1.25	11.5
		56H												13.6
	1745	140T	85.5	71.0	1.55	3.03	0.0553	L	7.8	3.4	3.4	4.2	1.25	13.7
		56H												13.6
1145	140T	82.5	70.0	1.63	4.61	0.0802	H	5.3	2.2	2.1	3	1.25	13.7	
	56H												13.7	
1.5	3500	56	84.0	84.0	1.95	2.21	0.0229	M	9.8	3.1	2.6	3.7	1.25	11.5
	3500	56H	84.0	80.0	2.06	2.21	0.0285	L	8.9	3.1	3.2	3.7	1.25	13.6
		140T												13.7
	1735	56	86.5	72.0	2.22	4.47	0.0427	K	7.3	3.4	3.1	3.7	1.25	11.5
		56H												13.6
	1745	140T	86.5	75.0	2.13	4.44	0.0717	L	8.2	3.5	3.2	4.1	1.25	13.7
56H		13.7												
1175	180T	87.5	68.0	2.32	6.59	0.3465	L	7.4	2.6	1.9	3.6	1.25	16.1	
2	3500	56	85.5	84.0	2.62	3.02	0.0271	L	9.3	3.5	2.9	4.2	1.25	11.5
	3500	56H	85.5	85.0	2.59	3.02	0.0339	L	9.0	2.8	2	3.3	1.25	13.6
		140T												13.7
	1740	56H	86.5	76.0	2.86	6.07	0.0880	L	8.4	3.7	3.3	4.1	1.25	13.6
		140T												13.7
1175	180T	88.5	68.0	3.13	8.99	0.4509	L	7.5	2.6	1.8	3.6	1.25	16.1	
3	3490	56H	86.5	88.0	3.63	4.44	0.0413	K	8.4	2.6	1.6	3.3	1.25	13.6
		140T												13.7
	3515	180T	86.5	89.0	3.59	4.41	0.0975	K	9.3	2.4	1.5	3.5	1.25	16.1
	1730	56H	89.5	75.0	4.11	8.96	0.1013	K	8.1	3.3	3.1	3.6	1.25	14
	1760	180T	89.5	81.0	3.81	8.81	0.2397	L	9.8	2.5	2.4	4.2	1.25	16.1
1175	210T	89.5	71.0	4.34	13.19	0.8804	K	7.8	2.3	1.6	3.1	1.25	19	
5	3500	56H	88.5	87.0	6.05	7.45	0.0560	L	10.0	3.5	2.8	3.8	1.25	14
	3510	180T	88.5	91.0	5.77	7.43	0.1305	L	10.6	3	2.3	4.1	1.25	16.1
	1750	180T	89.5	84.0	6.18	14.89	0.3037	L	9.5	2.8	2.4	3.8	1.25	16.1
	1170	210T	89.5	73.0	7.11	22.28	1.0868	J	6.9	2.4	1.8	2.9	1.25	19
7.5	3510	180T	89.5	90.0	8.55	11.04	0.1633	L	9.9	3.2	2.5	3.8	1.25	16.1
	3520	210T	89.5	91.0	8.48	11.01	0.3061	K	9.6	2.6	1.7	3.6	1.25	19
	1765	210T	91.7	85.0	8.86	21.95	0.7926	L	10.1	2.6	1.9	4	1.25	19
	1180	254T	91.0	72.0	10.5	32.83	2.5344	M	10.1	3.5	2	4.4	1.25	24
10	3520	210T	90.2	92.0	11.3	15.01	0.3797	L	10.1	2.7	1.5	3.9	1.25	19
	1760	210T	91.7	86.0	12.0	30.02	0.9729	L	10.3	3.1	1.7	3.8	1.25	19
	1175	256T	91.0	75.0	13.8	44.96	2.7812	L	8.4	3.1	1.7	3.7	1.25	25.8
15	3530	210T	91.0	92.0	16.5	21.95	0.4675	L	11.3	3.4	2.1	4.1	1.25	19
	3550	254T	91.0	90.0	16.8	21.83	1.1675	J	8.8	3.3	1.5	3.5	1.25	24
	1770	254T	92.4	83.0	18.0	43.78	2.2164	L	9.7	2.7	1.5	3.5	1.25	24
	1175	256T	91.7	77.0	19.6	65.94	3.8490	L	8.7	3	1.7	3.5	1.25	25.8
	1180	280T	91.7	78.0	19.3	65.67	4.6060	K	8.0	2.7	1.9	3.2	1.25	29
20	3550	256T	91.0	91.0	22.7	29.76	1.4001	K	9.5	3	1.4	3.3	1.25	25.8
	1770	256T	93.0	85.0	23.8	59.70	2.8808	K	9.2	2.6	1.3	3.1	1.25	25.8
	1180	280T	91.7	80.0	25.7	89.54	5.8257	J	7.6	2.5	1.8	2.8	1.25	29
25	3550	256T	91.7	91.0	27.8	36.71	1.6326	K	9.9	2.9	1.4	3.3	1.25	25.8
	3550	280T	91.7	91.0	27.8	36.71	1.5780	J	8.5	2.4	1.4	3	1.25	29
	1770	280T	93.6	88.0	28.2	73.62	3.6876	K	9.1	2.9	1.8	3.5	1.25	29
	1180	320T	93.0	82.0	30.4	110.40	7.5034	K	8.9	2.8	1.6	3.2	1.25	30.1
30	3550	280T	91.7	91.0	33.1	43.70	1.8059	J	8.9	2.5	1.4	3.2	1.25	29
	1770	280T	93.6	88.0	33.5	87.55	4.0578	K	9.3	2.9	2.1	3.6	1.25	29
	1180	320T	93.0	83.0	35.8	131.33	8.7231	K	8.9	2.6	1.4	2.9	1.25	30.1
40	3550	320T	92.4	92.0	44.3	59.53	2.3066	J	9.0	2.6	1.4	3.3	1.25	30.1
	1770	320T	94.1	89.0	45.0	119.39	5.3559	K	9.5	3	2.1	3.8	1.25	30.1
50	3550	320T	93.0	92.0	54.3	73.42	2.8049	K	9.9	2.9	1.5	3.5	1.25	30.1
	1770	320T	94.5	89.0	55.2	147.25	6.0037	L	10.5	3.5	1.9	3.5	1.25	30.1

IEC MOTOR

FIRE PUMP MOTOR

GOST MOTOR

NEMA MOTOR

DC MOTOR

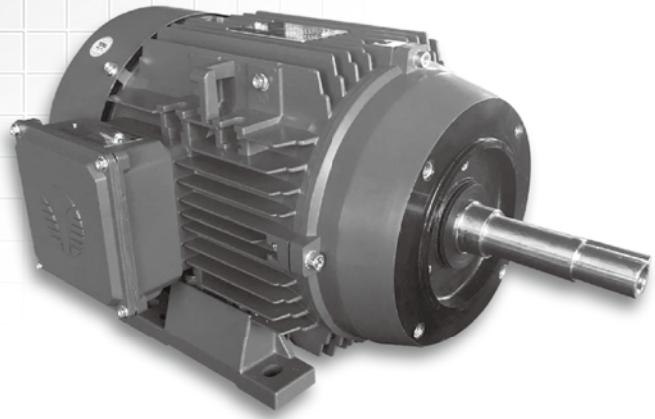
EC MOTOR

NEMA 56J JM JP Pump Motors

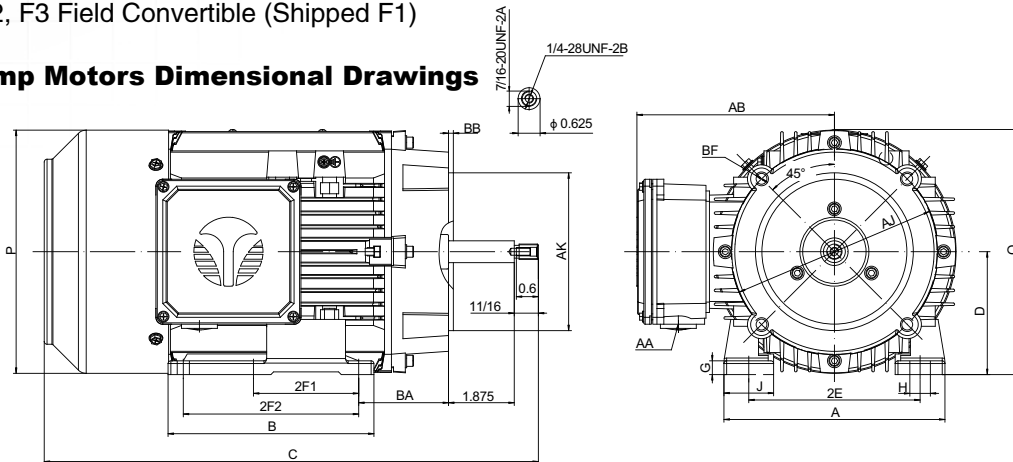
• 1/4HP thru 50HP

STANDARD FEATURES

- Aluminum housing
- IP 55 Rated
- MG1 Part 31 for VFD use
- Continuous Duty
- Dual Voltage
- 40°C Ambient Temperature Rating
- Double Lip Oil Seals
- Dual Oversized Bearings
- Multi mount Removable Feet
- Conduit Box is 90° Rotatable
- Stainless Steel Nameplate
- One-Way Brass Condensation Drains
- F1, F2, F3 Field Convertible (Shipped F1)



56J Pump Motors Dimensional Drawings



Overall & Installation Dimensions

Frame	A	B	D	2E	2F1	2F2	BA	H	AA	G	J	AB	O	P	Bearing DE	Bearing NDE	AJ	AK	BB	BF
56	6.3	3.95	3.5	4.88	3		2.56	0.73×0.335	1/2-14NPT	0.43	1.37	5.2	6.6	6.2	6204	6204	5.875	4.5	0.125	4×3/8-16UNC
56H	6.3	5.9	3.5	4.88	3	5	2.56	0.58×0.335	1/2-14NPT	0.39	1.41	5.65	7.0	6.95	6205	6205	5.875	4.5	0.125	4×3/8-16UNC

56J Pump Motors Technical Data

HP	Full Load Speed, RPM	Frame Size	EFF, 100% FL	Power Factor 100% FL	IFL 460V A	Full Load Torque Lb-Ft	Moment Of Inertia Lb-Ft Squared	Locked Rotor		TST TFL	TPU TFL	TM TFL	Service Factor	Dim "C"
								KVA Code	II/In					
1/4	3520	56	66.0	69.0	0.49	0.36	0.0107	L	6.3	3	2.2	3.4	1.25	12
	1750	56	70.0	58.0	0.55	0.72	0.0169	K	5	2.9	2.4	3.7	1.25	12
	1150	56	72.0	61.0	0.51	1.10	0.0242	J	4.4	2.3	2	2.8	1.25	12
1/3	3520	56	72.0	70.0	0.62	0.50	0.0121	M	7.4	3.3	2.7	4.1	1.25	12
	1750	56	74.0	63.0	0.67	1.00	0.0188	K	5.6	3.4	2.7	3.7	1.25	12
	1150	56	72.0	62.0	0.69	1.53	0.0299	J	4.4	2.1	1.8	2.7	1.25	12
1/2	3490	56	74.0	72.0	0.87	0.75	0.0121	L	6.7	3.1	3	3.8	1.25	12
	1750	56	78.5	66.0	0.90	1.49	0.0228	L	6.4	3.2	2.7	3.7	1.25	12
	1140	56	75.5	66.0	0.93	2.29	0.0382	H	4.5	2.5	2.3	2.8	1.25	12
3/4	3500	56	77.0	75.0	1.20	1.11	0.0142	L	7.3	3.1	2.4	3.4	1.25	12
	1750	56	81.5	68.0	1.25	2.21	0.0268	L	7	3.4	2.9	3.9	1.25	12
	1160	56H	81.5	66.0	1.28	3.34	0.0726	J	5.8	2.5	2.3	3.3	1.25	14.1
1	3490	56	79.0	77.0	1.55	1.51	0.0161	K	7.2	3.1	2.1	3.1	1.25	12
	3490	56H	79.0	76.0	1.56	1.51	0.0228	K	6.9	2.8	2.2	3.3	1.25	14.1
	1745	56	85.5	69.0	1.59	3.03	0.0387	L	7.7	3.7	3.6	4.4	1.25	12
	1745	56H	85.5	71.0	1.55	3.03	0.0553	L	7.8	3.4	3.4	4.2	1.25	14.1
	1145	56H	82.5	70.0	1.63	4.61	0.0802	H	5.3	2.2	2.1	3	1.25	14.1
1.5	3500	56	84.0	84.0	1.95	2.21	0.0229	M	9.8	3.1	2.6	3.7	1.25	12
	3500	56H	84.0	80.0	2.06	2.21	0.0285	L	8.9	3.1	3.2	3.7	1.25	14.1
	1735	56	86.5	72.0	2.22	4.47	0.0427	K	7.3	3.4	3.1	3.7	1.25	12
2	1745	56H	86.5	75.0	2.13	4.44	0.0717	L	8.2	3.5	3.2	4.1	1.25	14.1
	3500	56	85.5	84.0	2.62	3.02	0.0271	L	9.3	3.5	2.9	4.2	1.25	12
	3500	56H	85.5	85.0	2.59	3.02	0.0339	L	9.0	2.8	2	3.3	1.25	14.1
	1740	56H	86.5	76.0	2.86	6.07	0.0880	L	8.4	3.7	3.3	4.1	1.25	14.1
	3490	56H	86.5	88.0	3.63	4.44	0.0413	K	8.4	2.6	1.6	3.3	1.25	14.1
3	1730	56H	89.5	75.0	4.11	8.96	0.1013	K	8.1	3.3	3.1	3.6	1.25	15.3
	3500	56H	88.5	87.0	6.05	7.45	0.0560	L	10.0	3.5	2.8	3.8	1.25	15.3

JM Pump Motors Dimensional Drawings

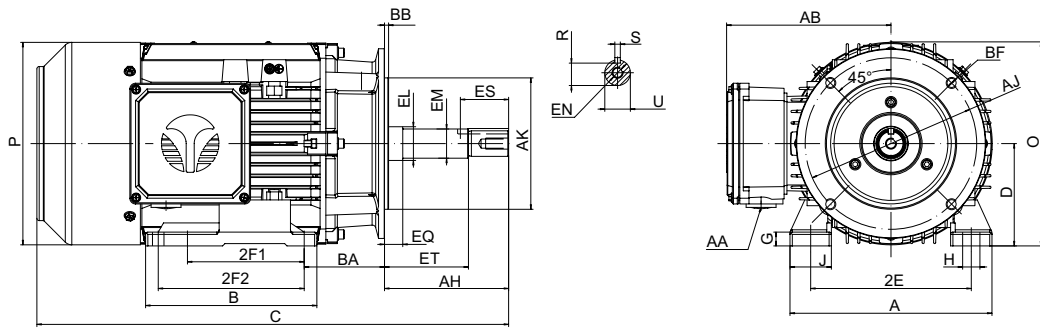


Figure 1 140T、180T

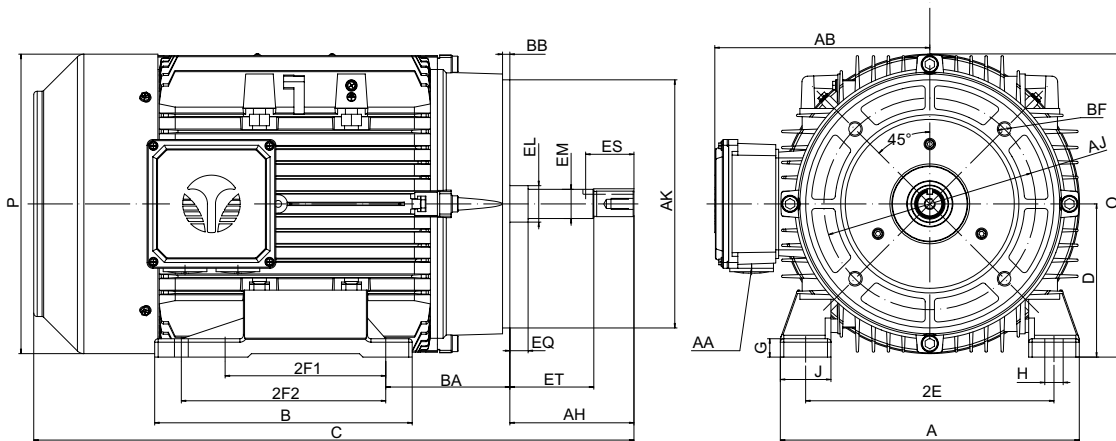


Figure 2 210T thru 320T

Overall & Installation Dimensions

Frame	A	B	D	2E	2F1	2F2	BA	H	AA	G	J	AB	O	P	Bearing DE	Bearing NDE	U	AH	AJ	AK	BB	BF	EL	EM	EN	EQ	R	ES	S	ET
140T	6.9	5.86	3.5	5.5	4	5	2.75	0.50×0.35	3/4-14NPT	0.47	1.41	5.65	7.0	6.95	6206	6205	0.8745	4.25	5.875	4.5	0.125	4×3/8-16UNC	1.156	1.0	3/8-16UNC	0.625	0.771	1.65	0.1875×0.1875×1.375	2.875
180T	8.85	7.1	4.5	7.5	4.5	5.5	3.5	0.59×0.433	3/4-14NPT	0.55	1.57	6.6	8.85	8.65	6207	6206	0.8745	4.25	5.875	4.5	0.125	4×3/8-16UNC	1.25	1.0	3/8-16UNC	0.625	0.771	1.65	0.1875×0.1875×1.375	2.875
210T	10.3	8.85	5.25	8.5	5.5	7	4.25	0.59×0.433	1-11/2NPT	0.63	1.73	7.4	10.4	10.3	6308	6208	0.8745	4.25	7.25	8.5	0.25	4×1/2-13UNC	1.25	1.0	3/8-16UNC	0.625	0.771	1.65	0.1875×0.1875×1.375	2.875
254T	12.4	10.25	6.25	10.0	8.25		4.75	0.83×0.59	1 1/4-11/2NPT	0.74	2.36	8.5	12.5	12.4	6309	6209	1.2495	5.25	7.25	8.5	0.25	4×1/2-13UNC	1.75	1.375	1/2-13UNC	0.625	1.112	2.53	0.25×0.25×2.41	3.0
256T	12.4	10.25	6.25	10.0	10.0		4.75	0.83×0.59	1 1/4-11/2NPT	0.74	2.36	8.5	12.5	12.4	6309	6209	1.2495	5.25	7.25	8.5	0.25	4×1/2-13UNC	1.75	1.375	1/2-13UNC	0.625	1.112	2.53	0.25×0.25×2.41	3.0
280T	13.4	13.0	7.0	11.0	9.5	11.0	4.75	0.985×0.59	1 1/2-11/2NPT	0.71	2.36	10.2	14.1	14.0	6311	6211	1.2495	5.25	11.0	12.5	0.25	4×5/8-11UNC	1.75	1.375	1/2-13UNC	0.625	1.112	2.53	0.25×0.25×2.41	3.0
320T	15.3	14.8	8.0	12.5	10.5	12.0	5.25	1.496×0.74	1 1/2-11/2NPT	0.79	3.82	10.2	14.9	14.0	6312	6212	1.2495	5.25	11.0	12.5	0.25	4×5/8-11UNC	1.75	1.375	1/2-13UNC	0.625	1.112	2.53	0.25×0.25×2.41	3.0

JP Pump Motors Dimensional Drawings

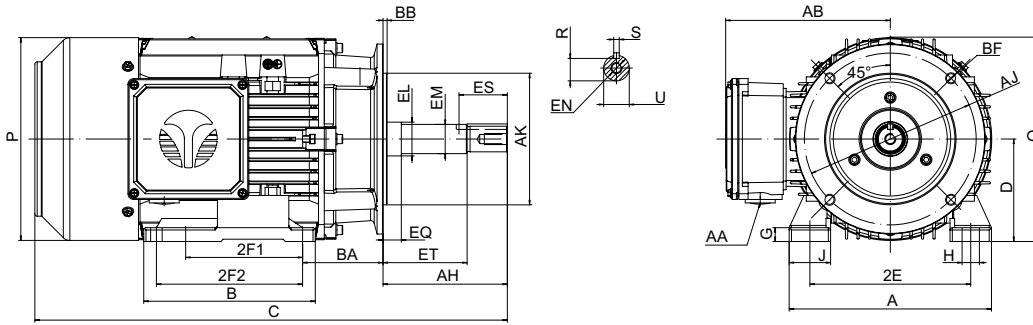


Figure 1 140T, 180T

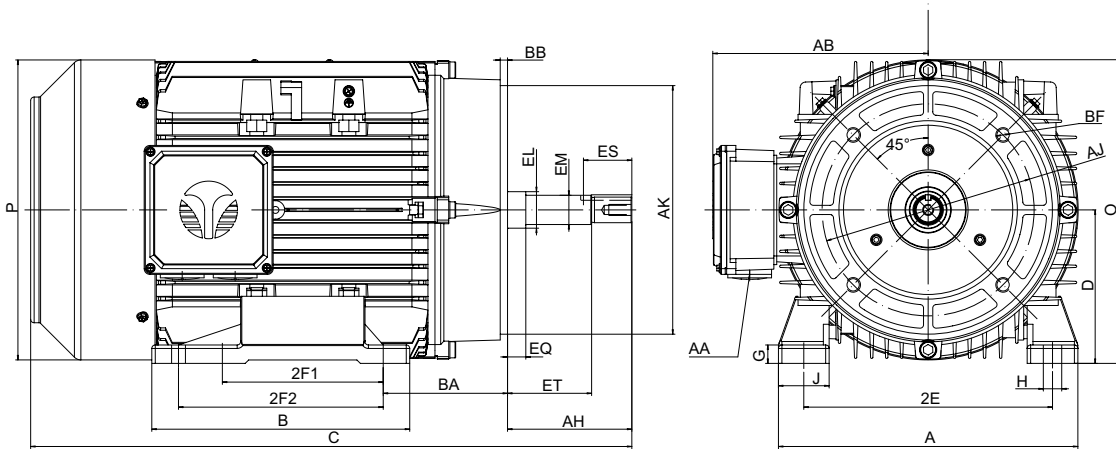


Figure 2 210T thru 320T

Overall & Installation Dimensions

Frame	A	B	D	2E	2F1	2F2	BA	H	AA	G	J	AB	O	P	Bearing DE	Bearing NDE	U	AH	AJ	AK	BB	BF	EL	EM	EN	EQ	R	ES	S	ET
140T	6.9	5.86	3.5	5.5	4	5	2.75	0.50×0.35	3/4-14NPT	0.47	1.41	5.65	7.0	6.95	6206	6205	0.8745	7.312	5.875	4.5	0.125	4×3/8-16UNC	1.156	1.0	3/8-16UNC	1.563	0.771	1.65	0.1875×0.1875×1.375	5.937
180T	8.85	7.1	4.5	7.5	4.5	5.5	3.5	0.59×0.433	3/4-14NPT	0.55	1.57	6.6	8.85	8.65	6207	6206	0.8745	7.312	5.875	4.5	0.125	4×3/8-16UNC	1.25	1.0	3/8-16UNC	1.563	0.771	1.65	0.1875×0.1875×1.375	5.937
210T	10.3	8.85	5.25	8.5	5.5	7	4.25	0.59×0.433	1-11 1/2NPT	0.63	1.73	7.4	10.4	10.3	6210	6208	1.2495	8.125	7.25	8.5	0.25	4×1/2-13UNC	1.75	1.375	1/2-13UNC	2.375	1.112	2.53	0.25×0.25×2.41	5.875
254T	12.4	10.25	6.25	10.0	8.25		4.75	0.83×0.59	1 1/4-11 1/2NPT	0.74	2.36	8.5	12.5	12.4	6309	6209	1.2495	8.125	7.25	8.5	0.25	4×1/2-13UNC	1.75	1.375	1/2-13UNC	2.375	1.112	2.53	0.25×0.25×2.41	5.875
256T	12.4	10.25	6.25	10.0	10.0		4.75	0.83×0.59	1 1/4-11 1/2NPT	0.74	2.36	8.5	12.5	12.4	6309	6209	1.2495	8.125	7.25	8.5	0.25	4×1/2-13UNC	1.75	1.375	1/2-13UNC	2.375	1.112	2.53	0.25×0.25×2.41	5.875
280T	13.4	13.0	7.0	11.0	9.5	11.0	4.75	0.985×0.59	1 1/2-11 1/2NPT	0.71	2.36	10.2	14.1	14.0	6311	6211	1.2495	8.125	11.0	12.5	0.25	4×5/8-11UNC	1.75	1.375	1/2-13UNC	2.375	1.112	2.53	0.25×0.25×2.41	5.875
320T	15.3	14.8	8.0	12.5	10.5	12.0	5.25	1.496×0.74	1 1/2-11 1/2NPT	0.79	3.82	10.2	14.9	14.0	6312	6212	1.2495	8.125	11.0	12.5	0.25	4×5/8-11UNC	1.75	1.375	1/2-13UNC	2.375	1.112	2.53	0.25×0.25×2.41	5.875

JM JP Pump Motors Technical Data

HP	Full Load Speed, RPM	Frame Size	EFF. 100% FL	Power Factor 100% FL	IFL 460V A	Full Load Torque Lb-Ft	Moment Of Inertia Lb-Ft Squared	Locked Rotor		TST TFL	TPU TFL	TM TFL	Service Factor	Dim "C" For JM	Dim "C" For JP
								KVA Code	II/In						
1	3490	140T	79.0	76.0	1.56	1.51	0.0228	K	6.9	2.8	2.2	3.3	1.25	16.2	19.3
	1745	140T	85.5	71.0	1.55	3.03	0.0553	L	7.8	3.4	3.4	4.2	1.25	16.2	19.3
	1145	140T	82.5	70.0	1.63	4.61	0.0802	H	5.3	2.2	2.1	3	1.25	16.2	19.3
1.5	3500	140T	84.0	80.0	2.06	2.21	0.0285	L	8.9	3.1	3.2	3.7	1.25	16.2	19.3
	1745	140T	86.5	75.0	2.13	4.44	0.0717	L	8.2	3.5	3.2	4.1	1.25	16.2	19.3
	1175	180T	87.5	68.0	2.32	6.59	0.3465	L	7.4	2.6	1.9	3.6	1.25	18.3	21.4
2	3500	140T	85.5	85.0	2.59	3.02	0.0339	L	9.0	2.8	2	3.3	1.25	16.2	19.3
	1740	140T	86.5	76.0	2.86	6.07	0.0880	L	8.4	3.7	3.3	4.1	1.25	16.2	19.3
	1175	180T	88.5	68.0	3.13	8.99	0.4509	L	7.5	2.6	1.8	3.6	1.25	18.3	21.4
3	3490	140T	86.5	88.0	3.63	4.44	0.0413	K	8.4	2.6	1.6	3.3	1.25	16.2	19.3
	3515	180T	86.5	89.0	3.59	4.41	0.0975	K	9.3	2.4	1.5	3.5	1.25	18.3	21.4
	1760	180T	89.5	81.0	3.81	8.81	0.2397	L	9.8	2.5	2.4	4.2	1.25	18.3	21.4
	1175	210T	89.5	71.0	4.34	13.19	0.8804	K	7.8	2.3	1.6	3.1	1.25	20.6	24.5
5	3510	180T	88.5	91.0	5.77	7.43	0.1305	L	10.6	3	2.3	4.1	1.25	18.3	21.4
	1750	180T	89.5	84.0	6.18	14.89	0.3037	L	9.5	2.8	2.4	3.8	1.25	18.3	21.4
	1170	210T	89.5	73.0	7.11	22.28	1.0868	J	6.9	2.4	1.8	2.9	1.25	20.6	24.5
7.5	3510	180T	89.5	90.0	8.55	11.04	0.1633	L	9.9	3.2	2.5	3.8	1.25	18.3	21.4
	3520	210T	89.5	91.0	8.48	11.01	0.3061	K	9.6	2.6	1.7	3.6	1.25	20.6	24.5
	1765	210T	91.7	85.0	8.86	21.95	0.7926	L	10.1	2.6	1.9	4	1.25	20.6	24.5
	1180	254T	91.0	72.0	10.5	32.83	2.5344	M	10.1	3.5	2	4.4	1.25	25.8	28.7
10	3520	210T	90.2	92.0	11.3	15.01	0.3797	L	10.1	2.7	1.5	3.9	1.25	20.6	24.5
	1760	210T	91.7	86.0	12.0	30.02	0.9729	L	10.3	3.1	1.7	3.8	1.25	20.6	24.5
	1175	256T	91.0	75.0	13.8	44.96	2.7812	L	8.4	3.1	1.7	3.7	1.25	27.6	30.5
15	3530	210T	91.0	92.0	16.5	21.95	0.4675	L	11.3	3.4	2.1	4.1	1.25	20.6	24.5
	3550	254T	91.0	90.0	16.8	21.83	1.1675	J	8.8	3.3	1.5	3.5	1.25	25.8	28.7
	1770	254T	92.4	83.0	18.0	43.78	2.2164	L	9.7	2.7	1.5	3.5	1.25	25.8	28.7
	1175	256T	91.7	77.0	19.6	65.94	3.8490	L	8.7	3	1.7	3.5	1.25	27.6	30.5
	1180	280T	91.7	78.0	19.3	65.67	4.6060	K	8.0	2.7	1.9	3.2	1.25	29.7	32.6
20	3550	256T	91.0	91.0	22.7	29.76	1.4001	K	9.5	3	1.4	3.3	1.25	27.6	30.5
	1770	256T	93.0	85.0	23.8	59.70	2.8808	K	9.2	2.6	1.3	3.1	1.25	27.6	30.5
	1180	280T	91.7	80.0	25.7	89.54	5.8257	J	7.6	2.5	1.8	2.8	1.25	29.7	32.6
25	3550	256T	91.7	91.0	27.8	36.71	1.6326	K	9.9	2.9	1.4	3.3	1.25	27.6	30.5
	3550	280T	91.7	91.0	27.8	36.71	1.5780	J	8.5	2.4	1.4	3	1.25	29.7	32.6
	1770	280T	93.6	88.0	28.2	73.62	3.6876	K	9.1	2.9	1.8	3.5	1.25	29.7	32.6
	1180	320T	93.0	82.0	30.4	110.40	7.5034	K	8.9	2.8	1.6	3.2	1.25	30.1	33
30	3550	280T	91.7	91.0	33.1	43.70	1.8059	J	8.9	2.5	1.4	3.2	1.25	29.7	32.6
	1770	280T	93.6	88.0	33.5	87.55	4.0578	K	9.3	2.9	2.1	3.6	1.25	29.7	32.6
	1180	320T	93.0	83.0	35.8	131.33	8.7231	K	8.9	2.6	1.4	2.9	1.25	30.1	33
40	3550	320T	92.4	92.0	44.3	59.53	2.3066	J	9.0	2.6	1.4	3.3	1.25	30.1	33
	1770	320T	94.1	89.0	45.0	119.39	5.3559	K	9.5	3	2.1	3.8	1.25	30.1	33
50	3550	320T	93.0	92.0	54.3	73.42	2.8049	K	9.9	2.9	1.5	3.5	1.25	30.1	33
	1770	320T	94.5	89.0	55.2	147.25	6.0037	L	10.5	3.5	1.9	3.5	1.25	30.1	33

IEC MOTOR

FIRE PUMP MOTOR

GOST MOTOR

NEMA MOTOR

DC MOTOR

EC MOTOR