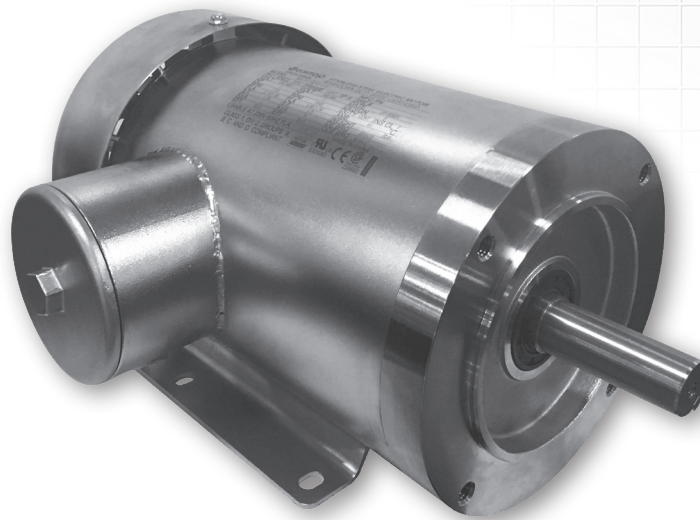


TSS Series

Stainless-steel Housing NEMA Motors

- **1/4HP thru 15HP**
- **56 thru 215T**



FEATURES:

Service factor: 1.25
Protection class: IP69K
Ball bearings with food grade grease
Stainless-steel Housing
Continuous Duty 40: Ambient
TEFC & TENV

Application:

The shaft, housing, end-shield and bolts & nuts of the motor are using stainless-steel. It has features of nice appearance, anti-corrosion, and stainless, and can be widely used in the industry of food processing and chemical.

IEC MOTOR

FIRE PUMP MOTOR

GOST MOTOR

VHS MOTOR

H.T. MOTOR

S.S. MOTOR

NEMA MOTOR

EC MOTOR

TSS Series TEFC Motors Dimensional Drawings

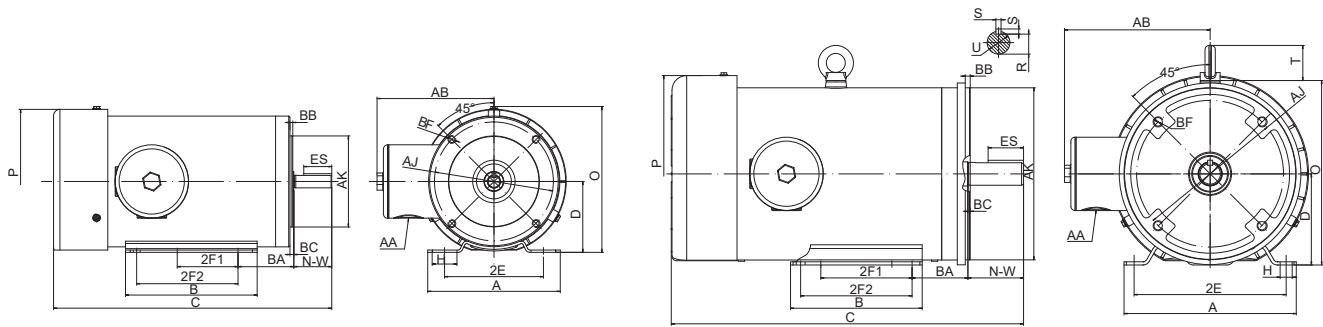


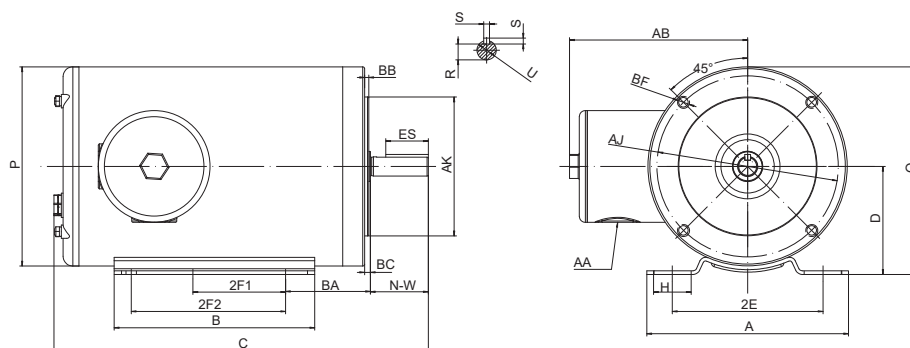
Figure 1 56 thru 140T

Figure 2 180T, 210T

Overall & Installation Dimensions

Frame	A	B	D	2E	2F1	2F2	BA	H	U	N-W	R	ES	S	AA	AB	O	T	P	Bearing DE	Bearing ODE	AJ	AK	BB	BC	BF
56	6.54	4.13	3.5	4.88	3		2.75	1.22×0.34	0.625	1.875	0.517	1.375	0.1875	1/2-14NPT	5.77	7.2		7.19	6205	6204	5.875	4.5	0.16	-0.19	4×3/8-16UNC
56H	6.54	6.5	3.5	4.88	3	5	2.75	1.22×0.34	0.625	1.875	0.517	1.375	0.1875	1/2-14NPT	5.77	7.2		7.19	6205	6204	5.875	4.5	0.16	-0.19	4×3/8-16UNC
140T	6.55	5.9	3.5	5.5	4	5	2.25	0.5×0.34	0.875	2.25	0.771	1.375	0.1875	3/4-14NPT	5.77	7.2		7.19	6205	6204	5.875	4.5	0.16	0.12	4×3/8-16UNC
180T	8.5	6.5	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	7.19	9.1	1.75	9.7	6206	6205	7.25	8.5	0.25	0.12	4×1/2-13UNC
210T	10.5	8.5	5.25	8.5	5.5	7	3.5	0.56×0.433	1.375	3.375	1.201	2.41	0.312	1-11/2NPT	7.95	10.65	1.75	11.36	6208	6206	7.25	8.5	0.25	0.25	4×1/2-13UNC

TSS Series TENV Motors Dimensional Drawings



Overall & Installation Dimensions

Frame	A	B	D	2E	2F1	2F2	BA	H	U	N-W	R	ES	S	AA	AB	O	T	P	Bearing DE	Bearing ODE	AJ	AK	BB	BC	BF
56	6.54	4.13	3.5	4.88	3		2.75	1.22×0.34	0.625	1.875	0.517	1.375	0.1875	1/2-14NPT	5.77	6.73		6.46	6205	6204	5.875	4.5	0.16	-0.19	4×3/8-16UNC
56H	6.54	6.5	3.5	4.88	3	5	2.75	1.22×0.34	0.625	1.875	0.517	1.375	0.1875	1/2-14NPT	5.77	6.73		6.46	6205	6204	5.875	4.5	0.16	-0.19	4×3/8-16UNC
140T	6.55	5.9	3.5	5.5	4	5	2.25	0.5×0.34	0.875	2.25	0.771	1.375	0.1875	3/4-14NPT	5.77	6.73		6.46	6205	6204	5.875	4.5	0.16	0.12	4×3/8-16UNC

T SS Series Stainless-steel Housing NEMA Motors Technical Data(60Hz)

HP	FULL LOAD SPEED rpm	FRAME	ENCLOSURE	EFF. 100%	POWER FACTOR (cosΦ)	IFL 460V A	FULL LOAD TORQUE lb-ft	MOMENT OF INERTIA lb-ft squared	LOCKED ROTOR		TST TFL	TPU TFL	TM TFL	SERVICE FACTOR	C
									KVA CODE	II/In					
1/4	3520	56	TENV	74.0	0.76	0.42	0.37	0.0375	N	9.10	3.2	2.6	4	1.25	10
	3510	56	TEFC	66.0	0.73	0.49	0.37	0.0332	M	7.20	3.2	2.7	4.3	1.25	11.6
	1760	56	TENV	79.0	0.63	0.47	0.75	0.0764	N	8.30	3.5	3.2	4.8	1.25	10.4
	1750	56	TEFC	70.0	0.60	0.56	0.75	0.0603	N	6.60	3.1	3	4.2	1.25	11.6
	1170	56	TENV	75.0	0.55	0.57	1.12	0.0783	L	5.30	2.4	2.1	3.5	1.25	10.4
	1160	56	TEFC	72.0	0.58	0.56	1.13	0.0702	K	5.00	2.1	2	3.3	1.25	11.6
	870	56	TENV	71.0	0.49	0.67	1.51	0.0944	L	4.30	2.3	2.2	3.2	1.25	10.4
870	56	TEFC	66.0	0.47	0.75	1.51	0.0783	L	3.90	2.2	2.1	3.1	1.25	12	
1/3	3520	56	TENV	77.0	0.79	0.51	0.49	0.0418	N	9.50	3.2	2.6	4	1.25	10.4
	3510	56	TEFC	72.0	0.75	0.57	0.49	0.0375	M	8.00	3.2	2.7	4.3	1.25	11.6
	1760	56	TENV	79.5	0.64	0.61	0.99	0.0845	N	8.40	3.5	3.2	4.8	1.25	10.4
	1750	56	TEFC	74.0	0.62	0.67	0.99	0.0764	N	7.50	3.1	3	4.2	1.25	12
	1170	56	TENV	77.0	0.56	0.72	1.48	0.0944	L	5.70	2.7	2.4	3.8	1.25	10.4
	1160	56	TEFC	74.0	0.59	0.71	1.49	0.0783	K	5.20	2.1	2	3.3	1.25	12
	870	56	TENV	73.0	0.50	0.85	1.99	0.1106	K	4.40	2.3	2.2	3.2	1.25	11.6
870	56	TEFC	69.0	0.48	0.93	1.99	0.0944	L	4.10	2.2	2.1	3.1	1.25	12	
1/2	3510	56	TENV	82.5	0.83	0.68	0.75	0.0460	M	9.30	2.8	2.3	3.7	1.25	11
	3510	56	TEFC	74.0	0.79	0.80	0.75	0.0418	M	8.00	3	2.6	3.7	1.25	12
	1760	56	TENV	84.0	0.68	0.82	1.49	0.1084	N	9.00	3.5	3.2	4.8	1.25	11
	1750	56	TEFC	78.5	0.65	0.92	1.50	0.0845	M	7.60	3.1	3	4.2	1.25	12
	1170	56	TENV	80.5	0.59	0.99	2.25	0.1106	L	5.90	2.7	2.4	3.8	1.25	11.6
	1160	56	TEFC	75.5	0.61	1.02	2.26	0.0944	K	5.20	2.1	2	3.1	1.25	12
	870	56H, 140T	TENV	73.5	0.50	1.27	3.02	0.1384	K	4.40	2.3	2.2	3.2	1.25	13.0, 13.1
870	56H, 140T	TEFC	71.0	0.50	1.32	3.02	0.1106	K	4.20	2.2	2.1	3.1	1.25	13.2, 13.3	
3/4	3510	56	TENV	84.5	0.85	0.98	1.12	0.0546	M	9.70	2.8	2.3	3.7	1.25	11
	3510	56	TEFC	77.0	0.82	1.11	1.12	0.0460	L	8.00	3	2.6	3.7	1.25	12
	1760	56	TENV	85.5	0.68	1.21	2.24	0.1324	N	8.80	3.3	3	4.5	1.25	11.6
	1750	56	TEFC	81.5	0.66	1.31	2.25	0.1084	M	7.70	3.1	3	4.2	1.25	12.6
	1160	56H, 140T	TENV	81.5	0.59	1.46	3.40	0.1348	L	5.90	2.7	2.4	3.8	1.25	12.2, 12.3
	1160	56H, 140T	TEFC	81.5	0.62	1.39	3.40	0.1106	J	5.40	2.1	2	3.1	1.25	13.2, 13.3
	860	56H, 140T	TENV	74.0	0.50	1.90	4.58	0.1668	K	4.10	2.3	2.2	3.2	1	13.8, 13.9
870	56H, 140T	TEFC	72.0	0.53	1.84	4.53	0.1348	K	4.20	2.1	2	3.1	1.25	13.2, 13.3	
1	3510	56H, 140T	TENV	86.5	0.85	1.27	1.50	0.0631	M	10.6	3.2	2.6	4	1.25	11.6, 11.7
	3510	56H, 140T	TEFC	80.0	0.79	1.48	1.50	0.0546	L	8.0	2.6	2.2	3.5	1.25	13.2, 13.3
	1760	56H, 140T	TENV	86.5	0.68	1.59	2.99	0.1566	N	9.4	4.1	3.8	5.1	1.25	12.2, 12.3
	1750	56H, 140T	TEFC	85.5	0.71	1.54	3.00	0.1324	L	7.7	3	2.7	3.8	1.25	13.2, 13.3
	1160	56H, 140T	TENV	83.0	0.60	1.88	4.53	0.1668	L	6.1	2.7	2.4	3.8	1.25	13.0, 13.1
	1160	56H, 140T	TEFC	82.5	0.63	1.80	4.53	0.1348	J	5.4	2.1	2	3.1	1	13.2, 13.3
	880	180T	TEFC	83.0	0.55	2.05	5.97	0.5206	K	5.1	1.8	1.6	2.7	1.25	15
1.5	3500	56H, 140T	TENV	87.5	0.89	1.80	2.25	0.0802	M	10.9	3.2	2.6	4	1	13.0, 13.1
	3510	56H, 140T	TEFC	84.0	0.81	2.06	2.25	0.0631	L	8.5	2.6	2.2	3.5	1.25	13.2, 13.3
	1750	56H, 140T	TENV	87.0	0.72	2.24	4.50	0.1887	M	8.9	3.2	2.9	4.3	1.25	13.8, 13.9
	1750	56H, 140T	TEFC	86.5	0.73	2.22	4.50	0.1566	K	7.5	3.1	2.9	3.9	1	13.8, 13.9
	1170	180T	TEFC	87.5	0.68	2.36	6.74	0.5206	K	6.8	2.1	1.5	3.1	1.25	15
2	880	180T	TEFC	83.5	0.55	3.08	8.96	0.6101	K	5.1	1.8	1.6	2.7	1.25	15.4
	3500	56H, 140T	TENV	88.5	0.89	2.38	3.00	0.0973	M	11.5	3.5	2.6	4.2	1	13.8, 13.9
	3510	56H, 140T	TEFC	85.5	0.83	2.64	2.99	0.0802	L	8.7	2.5	2.2	3.2	1.25	13.8, 13.9
	1750	56H, 140T	TENV	87.5	0.74	2.89	6.00	0.2207	M	8.7	3.2	2.9	4.3	1	14.5, 14.6
	1750	56H, 140T	TEFC	86.5	0.75	2.89	6.00	0.1887	K	7.8	3	2.7	3.8	1.25	14.6, 14.7
1170	180T	TEFC	88.5	0.69	3.07	8.98	0.6103	K	7.0	2.1	1.5	3.1	1.25	15.8	
880	210T	TEFC	85.5	0.56	3.91	11.9	1.0175	J	5.0	1.8	1.6	2.7	1.25	18	
3	3500	56H, 140T	TENV	90.2	0.89	3.50	4.50	0.1144	M	11.8	3.5	2.6	4.2	1	15.4, 15.9
	3510	56H, 140T	TEFC	86.5	0.86	3.78	4.49	0.0973	K	8.8	2.5	2.2	3.2	1.25	14.6, 14.7
	3530	180T	TEFC	86.5	0.87	3.73	4.47	0.2299	K	8.9	2.4	2	3.5	1.25	15.4
	1760	180T	TEFC	89.5	0.80	3.92	8.96	0.4129	K	8.2	2.5	2.1	3.3	1.25	15.4
	1170	210T	TEFC	89.5	0.71	4.42	13.5	1.0175	J	6.3	1.9	1.5	2.8	1.25	18
880	210T	TEFC	86.5	0.58	5.60	17.9	1.4001	J	5.3	1.8	1.6	2.7	1.25	19.6	
5	3480	56H, 140T	TEFC	88.5	0.89	5.94	7.55	0.1211	L	10.5	2.8	2.4	3.5	1	16.6, 16.7
	3530	180T	TEFC	88.5	0.89	5.94	7.44	0.2769	L	9.6	2.4	2	3.5	1.25	16.2
	1755	180T	TEFC	89.5	0.82	6.38	14.9	0.4952	K	8.5	2.5	2.1	3.3	1.25	16.6
	1170	210T	TEFC	89.5	0.73	7.17	22.5	1.4001	J	6.5	1.9	1.5	2.8	1.25	18.8
7.5	3530	180T	TEFC	89.5	0.90	8.72	11.2	0.3208	K	9.5	2.4	2	3.5	1	16.6
	3540	210T	TEFC	89.5	0.89	8.82	11.1	0.6345	L	10.2	2.4	2	3.5	1.25	18
	1765	210T	TEFC	91.7	0.83	9.23	22.3	1.0102	L	9.8	2.7	2.3	3.5	1.25	18.8
10	3540	210T	TEFC	90.2	0.90	11.5	14.8	0.7330	L	9.9	2.4	2	3.5	1.25	18.8
	1765	210T	TEFC	91.7	0.84	12.2	29.8	1.1519	L	9.9	2.7	2.3	3.5	1.25	19.6
15	3540	210T	TEFC	91.0	0.91	16.9	22.3	0.8315	L	10.5	2.4	2	3.5	1.25	20.4