

STAINLESS STEEL MOTOR

# GATOR<sup>®</sup>

**All Stainless Steel**

**Washdown Duty Motor**

**Premium Efficiency**

**High Efficiency**



**Meat Processing & Packaging**

**Deli & Beverage**

**Pharmaceutical**

**Food Industry**

**Your Best Source of NEMA Stainless Steel Motors**



**CONNEX ELECTRIC MOTORS**

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## Three Phase- All Stainless Steel TEFC and TENV



## 1/4 thru 10 hp, NEMA 56C thru 215TC NEMA High Efficiency, Washdown Duty

**Applications:** Food processing, packaging, pharmaceutical, high corrosive environment.

**Features:** All external surfaces 300 series stainless steel. Four condensate drain in each endplate with one T-drain plug leading water out. Endplate rabbets and conduit box gasket sealed.

## Three Phase- All Stainless Steel Premium Efficiency



## 1 thru 10 hp, NEMA 143TC thru 215TC Premium NEMA Efficiency, Washdown Duty

**Applications:** Food processing, packaging, pharmaceutical, high corrosive environment.

**Features:** Energy saving applications where continuous or frequent duty is required. All external surfaces 300 series stainless steel. Four condensate drains in each endplate with one T-drain plug leading water out. Endplate rabbets and conduit box gasket sealed.

## Three Phase- All Stainless Steel JM Motors



## 1 thru 10 hp, NEMA 143JM thru 215JM NEMA High Efficiency, Washdown Duty

**Applications:** Pump motors of food processing, packaging, pharmaceutical, high corrosive environment.

**Features:** All external surfaces 300 series stainless steel. Four condensate drain in each endplate with one T-drain plug leading water out. Endplate rabbets and conduit box gasket sealed.

## Three Phase- All Stainless Steel Picker Motors



## 3 hp, NEMA 145TC NEMA High Efficiency, Washdown Duty

**Applications:** Poultry Picker Machine, high corrosive working environment.

**Features:** Smaller frame at 145TC to fit in 3hp heavy duty capacity. All external surfaces 300 series stainless steel. Four condensate drain in each endplate with one T-drain plug leading water out. Endplate rabbets and conduit box gasket sealed.





# Stainless Steel Motor Performance Data

## PERFORMANCE DATA

Three Phase, 50/60Hz, 208-230/460V, NEMA Design B, High Efficiency, Inverter Duty, Squirrel Cage

TEFC, TENV, Class F Insulation, 40°C Ambient, Continuous Duty, 1.15 Service Factor. Foot Mount & Round Body

HP	Frame	Full Load RPM	Efficiency %			Power Factor		Amps @ 460 V		Full Load Torque (lb-ft)	Locked Rotor Torque % FLT	Pull Out Torque % FLT	Approx Weight (lbs)	Enclos.
			100% F. L.	75% F. L.	50% F. L.	100% F. L.	75% F. L.	Full Load	Locked Rotor					
1/4	56C	1725	82.5%	69%	62%	0.75	0.67	0.4	2.3	0.8	220%	319%	23	TEFC
1/3	56C	3460	74.0%	72%	65%	0.85	0.67	0.6	4.0	0.5	300%	409%	26	TEFC
	56C	1725	82.5%	73%	70%	0.71	0.63	0.6	3.7	1.0	288%	388%	27	TEFC
1/2	56C	3460	77.0%	75%	67%	0.88	0.67	0.8	5.5	0.7	275%	364%	28	TEFC
	56C	1725	82.5%	77%	72%	0.76	0.68	0.8	4.8	1.5	250%	347%	29	TEFC
	56C	1155	80.0%	78%	72%	0.63	0.67	0.9	6.5	2.2	260%	270%	31	TEFC
3/4	56C	3460	80.0%	77%	71%	0.71	0.67	1.1	7.5	1.1	241%	303%	33	TEFC
	56C	1725	82.5%	77%	72%	0.78	0.72	1.1	7.2	2.2	227%	320%	33	TEFC
	143TC	1155	79.0%	76%	71%	0.65	0.67	1.3	9.0	3.3	250%	276%	35	TEFC
1	56C	3470	80.0%	78%	72%	0.72	0.67	1.4	10.0	1.5	307%	369%	35	TEFC
	56C	1740	84.0%	78%	72%	0.78	0.72	1.5	9.8	3.0	240%	331%	36	TEFC
	145TC	1165	80.0%	77%	72%	0.68	0.67	1.8	12.3	4.4	250%	264%	42	TEFC
1 1/2	145TC	3480	84.0%	78%	74%	0.74	0.67	2.0	15.6	2.3	267%	326%	39	TEFC
	145TC	1740	84.0%	83%	79%	0.83	0.76	2.0	13.6	4.4	233%	298%	42	TEFC
	182TC	1170	85.5%	80%	76%	0.7	0.67	2.5	17.4	6.6	250%	270%	84	TEFC
2	145TC	3480	84.0%	80%	76%	0.91	0.67	2.4	18.9	2.9	261%	332%	46	TEFC
	145TC	1740	84.0%	84%	83%	0.83	0.75	2.6	19.8	5.9	247%	323%	49	TEFC
	184TC	1175	86.5%	82%	77%	0.71	0.67	3.1	21.0	8.8	245%	248%	100	TEFC
3	182TC	3535	85.5%	83%	81%	0.89	0.67	4.1	28.0	4.4	208%	269%	81	TEFC
	182TC	1765	87.5%	87%	85%	0.81	0.79	4.0	29.0	8.8	225%	324%	81	TEFC
	213TC	1175	87.5%	86%	83%	0.74	0.67	4.3	30.0	13.2	210%	280%	160	TEFC
5	184TC	3525	87.5%	85%	82%	0.91	0.67	5.9	46.0	7.3	216%	255%	90	TEFC
	184TC	1765	87.5%	86%	83%	0.86	0.84	6.3	40.5	14.7	202%	256%	104	TEFC
	213TC	1175	87.5%	86%	83%	0.78	0.72	6.8	46.0	22.0	210%	260%	197	TEFC
7.5	213TC	3520	88.5%	87%	85%	0.85	0.83	9.4	63.0	11.1	200%	265%	110	TEFC
	213TC	1755	89.5%	89%	87%	0.85	0.83	9.3	63.0	22.0	220%	383%	163	TEFC
	254TC	1175	89.5%	89%	87%	0.77	0.73	10.3	72.0	33.7	250%	220%	253	TEFC
10	215TC	3525	89.5%	88%	85%	0.87	0.85	12.2	81.0	14.7	200%	287%	135	TEFC
	215TC	1760	89.5%	89%	87%	0.85	0.83	12.2	81.0	29.3	232%	389%	190	TEFC
	256TC	1175	89.5%	84%	80%	0.79	0.76	13.4	86.0	44.9	220%	200%	286	TEFC
15	254TC	3540	91.0%	89%	87%	0.9	0.87	18.5	120.0	21.9	200%	260%	253	TEFC
	254TC	1765	92.4%	90%	89%	0.88	0.85	18.8	121.0	43.8	200%	250%	286	TEFC
20	256TC	3540	91.0%	90%	87%	0.9	0.70	23.0	159.0	29.1	200%	250%	286	TEFC
	256TC	1765	93.0%	92%	90%	0.88	0.68	24.5	161.0	58.3	200%	250%	352	TEFC
1/4	56C	1725	82.5%	69%	62%	0.75	0.67	0.40	2.28	0.8	220%	319%	23	TENV
1/3	56C	3460	74.0%	72%	65%	0.85	0.80	0.5	4.0	0.5	298%	407%	26	TENV
	56C	1725	82.5%	72%	70%	0.71	0.63	0.6	3.7	1.0	288%	388%	27	TENV
1/2	56C	3460	77.0%	75%	67%	0.88	0.83	0.8	5.5	0.7	275%	364%	28	TENV
	56C	1725	82.5%	77%	72%	0.76	0.68	0.8	4.8	1.5	250%	347%	28	TENV
	56C	1155	80.0%	78%	72%	0.63	0.61	0.9	6.5	2.2	260%	270%	30	TENV
3/4	56C	3460	80.0%	77%	71%	0.90	0.87	1.1	7.5	1.1	241%	303%	32	TENV
	56C	1725	82.5%	77%	72%	0.78	0.72	1.1	7.2	2.2	227%	320%	31	TENV
	143TC	1155	79.0%	76%	71%	0.65	0.63	1.3	9.0	3.3	250%	276%	35	TENV

### PICKER DUTY MOTOR - TEFC FOOT MOUNT \*\* F.O. Conduit Location

3	145T	1745	87.5%	87.0%	85.0%	0.81	0.79	4.0	32.0	8.9	270%	383%	64	TEFC
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### ADDITIONAL RATING

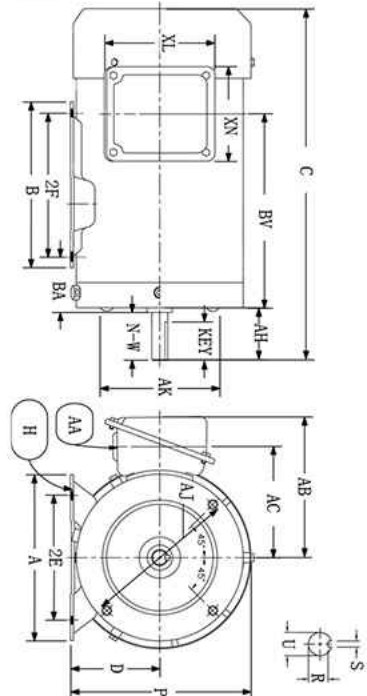
2	56HCZ	1740	84.0%	84%	83%	0.83	0.75	2.6	19.8	5.9	247%	323%	49	TEFC
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# Stainless Steel Motor Dimensional Data



- ★ Washdown Duty Applications
- ★ Mill and Chemical Duty
- ★ Corrosion Resistant
- ★ Drill & Tapped Drains
- ★ Etched Nameplate on Body
- ★ NEMA MG1 Part 31
- ★ Inverter Rated
- ★ Food Processing
- ★ Pharmaceutical
- ★ UL Recognized
- ★ Foot Mount & Round Body
- ★ Double Lip Contact Seals
- ★ Premium Efficiency
- ★ High Efficiency



Frame	Mounting						Conduit Box						Motor Dimensions						Keyseat			Bearings		Encos.		
	D	E	2F	A	B	BA	H	AB	AC	XL	XN	AA	C	AH	AL	AK	P	N-W	U	R	KEY	ODE	DE			
56C	3.5	2.44	3.0	6.5	5.0	2.75	1.22X.34	5.75	4.25	4.72	3.80	0.86	11.56	2.06	5.875	4.5	6.5	1.88	0.625	0.517	1.41	6205Z	6205Z	TEFC		
143TC	3.5	2.75	4.0	6.5	6.5	2.75	1.22X.34	5.75	4.25	4.72	3.80	0.86	12.63	2.12	5.875	4.5	6.5	2.25	0.875	0.517	1.41	6205Z	6205Z	TEFC		
143JM	3.5	2.75	4.0	6.5	6.5	2.75	1.22X.34	5.75	4.25	4.72	3.80	0.86	15.84	2.12	5.875	4.5	6.5	4.25	0.875	0.771	1.65	6205Z	6205Z	TEFC		
145TC	3.5	2.75	5.0	6.5	6.5	2.75	1.22X.34	5.75	4.25	4.72	3.80	0.86	13.66	2.12	5.875	4.5	6.5	2.25	0.875	0.771	1.41	6205Z	6205Z	TEFC		
145JM	3.5	2.75	4.0	6.5	6.5	2.75	1.22X.34	5.75	4.25	4.72	3.80	0.86	15.94	2.12	5.875	4.5	6.5	4.25	0.875	0.771	1.65	6205Z	6205Z	TEFC		
182TC	4.5	3.75	4.5	8.8	6.5	3.50	.71*.47	7.00	5.30	4.45	4.05	0.94	16.40	2.62	7.250	8.5	8.9	2.75	1.125	0.986	1.78	6308Z	6308Z	TEFC		
182JM	4.5	3.75	4.5	8.8	6.5	3.50	.71*.47	7.00	5.30	4.45	4.05	0.94	18.06	4.22	5.875	4.5	8.9	4.25	0.875	0.771	1.65	6307Z	6308Z	TEFC		
184TC	4.5	3.75	4.5	8.8	6.5	3.50	.71*.47	7.00	5.30	4.45	4.05	0.94	16.40	2.62	7.250	8.5	8.9	2.75	1.125	0.986	1.78	6308Z	6308Z	TEFC		
184JM	4.5	3.75	4.5	8.8	6.5	3.50	.71*.47	7.00	5.30	4.45	4.05	0.94	18.06	4.28	5.875	4.5	8.9	4.25	0.875	0.771	1.65	6307Z	6307Z	TEFC		
213TC	5.25	4.25	5.5	10	8.5	4.25	.71*.47	7.60	6.20	4.45	4.05	0.94	21.50	3.12	7.250	8.5	10	3.38	1.375	1.201	2.41	6208Z	6308Z	TEFC		
213JM	5.25	4.25	5.5	10	8.5	4.25	.71*.47	7.60	6.20	4.45	4.05	0.94	23.46	4.22	7.250	8.5	10	4.25	0.875	0.771	1.65	6308Z	6308Z	TEFC		
215TC	5.25	4.25	7.0	10	8.5	4.25	.71*.47	7.60	6.20	4.45	4.05	0.94	22.30	3.12	7.250	8.5	10	3.38	1.375	1.201	2.41	6208Z	6308Z	TEFC		
215JM	5.25	4.25	7.0	10	8.5	4.25	.71*.47	7.60	6.20	4.45	4.05	0.94	23.46	4.28	7.250	8.5	10	4.25	0.875	0.771	1.65	6308Z	6308Z	TEFC		
254TC	6.25	5	8.25	12	9.5	4.75	0.53	9	7.8	7	7	1	23.4	7.25	7.25	8.5	12.7	4	1.625	1.416	0.375	6309ZZ	6309ZZ	TEFC		
256TC	6.25	5	10	12	11.25	4.75	0.53	9	7.8	7	7	1	25.1	7.25	7.25	8.5	12.7	4	1.625	1.416	0.375	6309ZZ	6309ZZ	TEFC		
56C	3.5	2.44	3.0	6.5	5.0	2.75	1.22X.34	5.75	4.25	4.72	3.80	0.86	9.80	2.06	5.875	4.5	6.5	1.88	0.625	0.517	1.41	6205Z	6205Z	TENV		
143TC	3.5	2.44	3.0	6.5	6.5	2.75	1.22X.34	5.75	4.25	4.72	3.80	0.86	10.78	2.12	5.875	4.5	6.5	2.25	0.875	0.517	1.41	6205Z	6205Z	TENV		
** F. O. Conduit Location																										
145T	3.5	2.75	4.0	6.5	6.5	2.25	.71*.47	5.35	4.21	4.45	4.05	0.94	15.04	2.12	5.875	4.5	6.5	2.25	0.875	0.771	1.41	6205Z	6205Z	TEFC		
ADDITIONAL RATING																										
56HCZ	3.5	2.44	5.0	6.5	6.5	2.75	1.22X.34	5.75	4.25	4.72	3.80	0.86	13.62	2.06	5.875	4.5	6.5	1.88	0.625	0.517	1.41	6205Z	6205Z	TEFC		