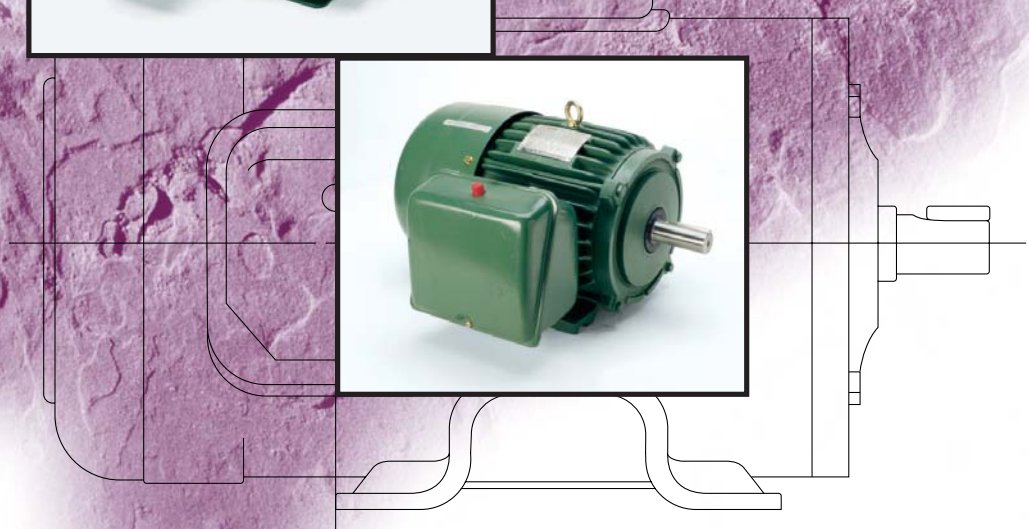


# SINGLE PHASE- TOTALLY ENCLOSED FAN COOLED

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# SINGLE PHASE- TOTALLY ENCLOSED FAN COOLED

## HIGH-TORQUE SINGLE-PHASE MOTORS

### FEATURES

- High-Torque design for tough applications such as farm-duty
- 1.15 S.F. through 10HP
- Oversized ball bearing
- Manual reset overload protector installed with rubber boots/gasket
- Rugged cast-iron frame and endbells 143T through 215T
- Oversized and gasketed conduit box
- Non-hygroscopic insulation system
- Zn-Cd plated hardware
- Ground terminals
- Condensate drains

### SPECIFICATIONS

TEFC, Single Phase/60Hz, Class B or F Insulation, 40°C Ambient, Continuous Duty, 1.15 S.F.

HP	Full Load RPM	Frame No.	Type	Volt	Full Load				Locked Rotor		B.D. Torque (%)	Capacitor			
					Torque lb-ft	Eff. (%)	P.F. (%)	Current @230V	Torque (%)	Current @230V		Start µf	Run VAC	µf	VAC
1/3	1770	56	BEGCFD	115/230	0.99	55	50	4	400	22	420	200	125	--	--
1/2	1755	56	BEGCFD	115/230	1.50	61	56	5	400	25	300	250	125	--	--
3/4	1755	56	BEGCFD	115/230	2.24	67	62	6	310	34	285	300	125	--	--
1	1750	56	BEGCFD	115/230	3.00	67	61	8	310	45	230	400	125	--	--
1 1/2	1730	145T	BECCFD	115/230	4.55	67	68	11	350	56	230	500	125	--	--
2	1760	182T	BECSFD	115/230	5.96	73	74	12	320	75	280	800	125	60	250
3	1765	182T	BECSFD	230	8.92	77	72	18	400	132	340	300	250	20	440
5	1755	184T	BECSFD	230	14.95	79	77	27	340	180	300	400	250	25	440
7 1/2	1740	215T	BECSFD	230	22.60	81	86	35	350	200	235	600	330	60	440
10	1730	215T	BECSFD	230	30.30	82	92	43	350	265	215	800	330	100	440

- Note:
1. The above are typical values based on test according to ANSI/IEEE standard 112-1991 method B.
  2. Type BEGCFD/BECCFD is Capacitor-start and Induction run.  
Type BECSFD is Capacitor-start and Capacitor run.
  3. Data subject to change without notice.

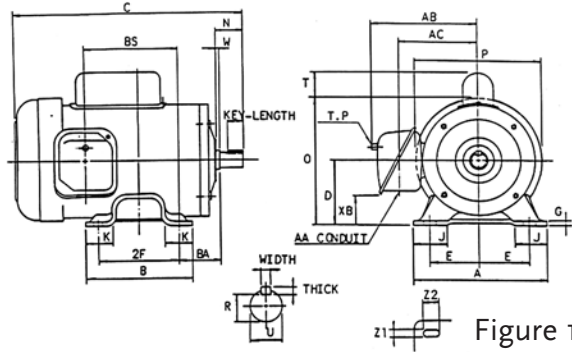


Figure 1

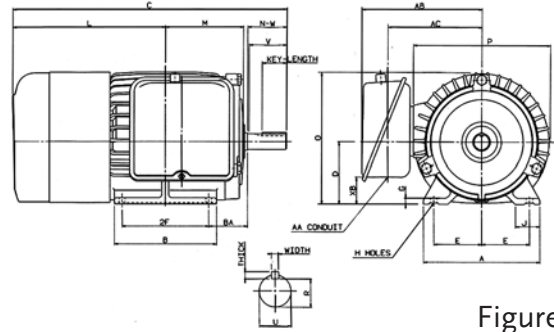


Figure 2

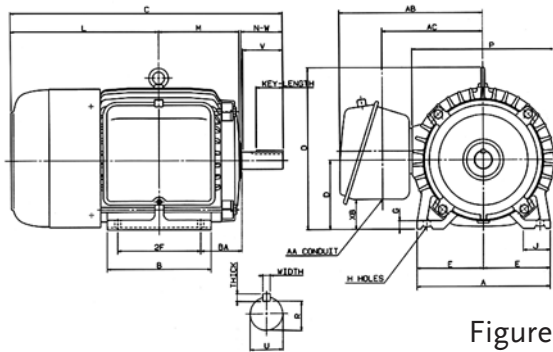


Figure 3

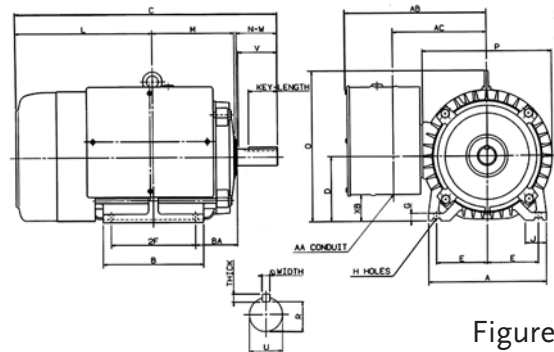


Figure 4

HP	Frame No.	Fig No.	A	B	C	D	E	2F	G	H	J	K	O	P	T	Z1	Z2	BA	BS
1/3	56	1	6.38	5.00	11.88	3.50	2.44	3.00	0.16	--	1.53	1.46	7.13	7.26	1.25	0.34	0.68	2.75	3.57
1/2	56	1	6.38	5.00	11.88	3.50	2.44	3.00	0.16	--	1.53	1.46	7.13	7.26	1.25	0.34	0.68	2.75	3.57
3/4	56	1	6.38	5.00	12.55	3.50	2.44	3.00	0.16	--	1.53	1.46	7.13	7.26	1.49	0.34	0.68	2.75	4.28
1	56	1	6.38	5.00	12.55	3.50	2.44	3.00	0.16	--	1.53	1.46	7.13	7.26	1.73	0.34	0.68	2.75	4.28
1 1/2	145T	2	6.70	5.90	15.80	3.50	2.75	5.00	0.35	0.34	1.40	--	7.45	7.87	--	--	--	2.25	--
2,3	182T	3	8.80	5.90	17.01	4.50	3.75	4.50	0.65	0.41	1.75	--	10.47	9.37	--	--	--	2.75	--
5	184T	3	8.80	6.90	18.03	4.50	3.75	5.50	0.65	0.41	1.75	--	10.47	9.37	--	--	--	2.75	--
7 1/2	213T	4	9.85	6.90	20.22	5.25	4.25	5.50	0.70	0.41	1.75	--	12.28	10.75	--	--	--	3.50	--
10	215T	4	9.85	8.35	21.72	5.25	4.25	7.00	0.70	0.41	1.75	--	12.28	10.75	--	--	--	3.50	--

HP	Frame No.	Fig. No.	Key			Keyseat R	Shaft		Terminal Housing				Bearings		Approx. Wt./Lbs
			Width	Thick	Length		NW	U	AA	AB	AC	XB	DE	ODE	
1/3	56	1	0.1875	0.1875	1.41	0.517	1.88	0.625	1.10	6.28	4.53	1.41	6205ZZ	6203ZZ	29
1/2	56	1	0.1875	0.1875	1.41	0.517	1.88	0.625	1.10	6.28	4.53	1.41	6205ZZ	6203ZZ	32
3/4	56	1	0.1875	0.1875	1.41	0.517	1.88	0.625	1.10	6.28	4.53	1.41	6205ZZ	6203ZZ	35
1	56	1	0.1875	0.1875	1.41	0.517	1.88	0.625	1.10	6.28	4.53	1.41	6205ZZ	6203ZZ	38
1 1/2	145T	2	0.1875	0.1875	1.41	0.771	2.25	0.875	0.87	6.61	4.92	1.22	6205ZZ	6205ZZ	58
2,3	182T	3	0.2500	0.2500	1.78	0.986	2.75	1.125	0.87	9.29	5.79	1.63	6306ZZ	6306ZZ	79/92
5	184T	3	0.2500	0.2500	1.78	0.986	2.75	1.125	0.87	9.29	5.79	1.63	6306ZZ	6306ZZ	103
7 1/2	213T	4	0.3125	0.3125	2.41	1.201	3.38	1.375	0.87	11.56	7.54	2.18	6308ZZ	6306ZZ	161
10	215T	4	0.3125	0.3125	2.41	1.201	3.38	1.375	0.87	11.56	7.54	2.18	6308ZZ	6306ZZ	180

Note: 1. Tolerance of U: +0, -0.0005  
 2. Tolerance of D: +0, -0.03

D I S T R I B U T E D B Y :



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