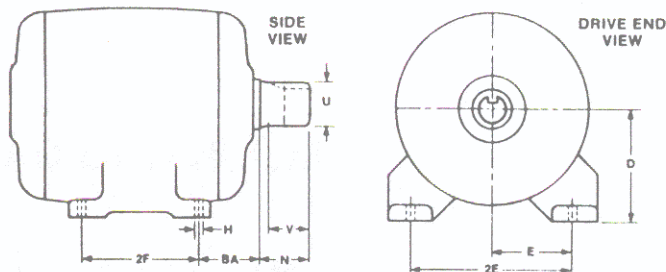


Standardized motor dimensions as established by the National Electrical Manufacturers Association (NEMA) are tabulated below and apply to all base mounted motors listed with a NEMA frame designation.



NEMA Frame	D*	2E	2F	BA	H	N. Min.	U	V† Min.	Key		Long
									Wide	Thin	
42	2-5/8	3-1/2	1-11/16	2-1/16	9/32 Slot	9/32 Slot	3/8	—	—	3/64 Flat	—
48	3	4-1/4	2-3/4	2-1/2	11/32 Slot	11/32 Slot	1/2	—	—	3/64 Flat	—
56	3-1/2	4-7/8	3	2-3/4	11/32 Slot	11/32 Slot	5/8	—	3/16	3/16	1-3/8
56H	3-1/2	4-7/8	3 & 5‡	2-3/4	11/32 Slot	11/32 Slot	5/8	—	3/16	3/16	1-3/8
56HZ	3-1/2	§	§	§	§	2-1/4	7/8	2	3/16	3/16	1-3/8
66	4-1/8	5-7/8	5	3-1/8	13/32 Slot	2-1/4	3/4	—	3/16	3/16	1-7/8
143Y	3-1/2	5-1/2	4	2-1/4	11/32 Dia.	2-1/4	7/8	2	3/16	3/16	1-3/8
145T	3-1/2	5-1/2	5	2-1/4	11/32 Dia.	2-1/4	7/8	2	3/16	3/16	1-3/8
182	4-1/2	7-1/2	4-1/2	2-3/4	13/32 Dia.	2-1/4	7/8	2	3/16	3/16	1-3/8
182T	4-1/2	7-1/2	4-1/2	2-3/4	13/32 Dia.	2-3/4	1-1/8	2-1/2	1/4	1/4	1-3/4
184	4-1/2	7-1/2	5-1/2	2-3/4	13/32 Dia.	2-1/4	7/8	2	3/16	3/16	1-3/8
184T	4-1/2	7-1/2	5-1/2	2-3/4	13/32 Dia.	2-3/4	1-1/8	2-1/2	1/4	1/4	1-3/4
203	5	8	5-1/2	3-1/8	—	2-7/16	3/4	2	—	—	—
204	5	8	6-1/2	3-1/8	—	2-7/16	3/4	2	—	—	—
213	5-1/4	8-1/2	5-1/2	3-1/2	13/32 Dia.	3	1-1/8	2-3/4	1/4	1/4	2
213T	5-1/4	8-1/2	5-1/2	3-1/2	13/32 Dia.	3-3/8	1-3/8	3-1/8	5/16	5/16	2-3/8
215	5-1/4	8-1/2	7	3-1/2	13/32 Dia.	3	1-1/8	2-3/4	1/4	1/4	2
215T	5-1/4	8-1/2	7	3-1/2	13/32 Dia.	3-3/8	1-3/8	3-1/8	5/16	5/16	2-3/8
224	5-1/2	9	6-3/4	3-1/2	—	1	1	3	—	—	—
225	5-1/2	9	7-1/2	3-1/2	—	1	1	3	—	—	—
254	6-1/4	10	8-1/4	4-1/4	—	3-7/16	1-1/8	3-3/8	—	—	—
254U	6-1/4	10	8-1/4	4-1/4	17/32 Dia.	3-3/4	1-3/8	3-1/2	5/16	5/16	2-3/4
254T	6-1/4	10	10	4-1/4	17/32 Dia.	4	1-5/8	3-3/4	3/8	3/8	2-7/8
256U	6-1/4	10	8-1/4	4-1/4	17/32 Dia.	3-3/4	1-3/8	3-1/2	5/16	5/16	2-3/4
256T	6-1/4	10	10	4-1/4	17/32 Dia.	4	1-5/8	3-3/4	3/8	3/8	2-7/8
284U	7	11	9-1/2	4-3/4	17/32 Dia.	4-7/8	1-5/8	4-5/8	3/8	3/8	3-3/4
284T	7	11	9-1/2	4-3/4	17/32 Dia.	4-5/8	1-7/8	4-3/4	1/2	1/2	3-3/4
284TS	7	11	9-1/2	4-3/4	17/32 Dia.	3-1/4	1-5/8	3	3/8	3/8	1-7/8
286U	7	11	11	4-3/4	17/32 Dia.	4-7/8	1-5/8	4-5/8	3/8	3/8	3-3/4
286T	7	11	11	4-3/4	17/32 Dia.	4-5/8	1-7/8	4-3/4	1/2	1/2	3-1/4
286TS	7	11	11	4-3/4	17/32 Dia.	3-1/4	1-5/8	3	3/8	3/8	1-7/8
324U	8	12-1/2	10-1/2	5-1/4	21/32 Dia.	5-5/8	1-7/8	5-3/8	1/2	1/2	4-1/4
324T	8	12-1/2	10-1/2	5-1/4	21/32 Dia.	5-1/4	2-1/8	5	1/2	1/2	3-7/8
324TS	8	12-1/2	10-1/2	5-1/4	21/32 Dia.	3-3/4	1-7/8	3-1/2	1/2	1/2	2
326U	8	12-1/2	12	5-1/4	21/32 Dia.	5-5/8	1-7/8	5-3/8	1/2	1/2	4-1/4
326T	8	12-1/2	12	5-1/4	21/32 Dia.	5-1/4	2-1/8	5	1/2	1/2	3-7/8
326TS	8	12-1/2	12	5-1/4	21/32 Dia.	3-3/4	1-7/8	3-1/2	1/2	1/2	2
364T	9	14	11-1/4	5-7/8	21/32 Dia.	5-7/8	2-3/8	5-5/8	5/8	5/8	4-1/4
364TS	9	14	11-1/4	5-7/8	21/32 Dia.	3-3/4	1-7/8	3-1/2	1/2	1/2	2
364U	9	14	11-1/4	5-7/8	21/32 Dia.	6-3/8	2-1/8	6-1/8	1/2	1/2	5
365T	9	14	12-1/4	5-7/8	21/32 Dia.	5-7/8	2-3/8	5-5/8	5/8	5/8	4-1/4
365TS	9	14	12-1/4	5-7/8	21/32 Dia.	3-3/4	1-7/8	3-1/2	1/2	1/2	2
365U	9	14	12-1/4	5-7/8	21/32 Dia.	6-3/8	2-1/8	6-1/8	1/2	1/2	5
404T	10	16	12-1/4	6-5/8	13/16 Dia.	7-1/4	2-7/8	7	3/4	3/4	5-5/8
404TS	10	16	12-1/4	6-5/8	13/16 Dia.	4-1/4	2-1/8	4	1/2	1/2	2-3/4
405T	10	16	13-3/4	5-5/8	13/16 Dia.	7-1/4	2-7/8	7	3/4	3/4	5-5/8
405TS	10	16	13-3/4	6-5/8	13/16 Dia.	4-1/4	2-1/8	4	1/2	1/2	2-3/4
444T	11	18	14-1/2	7-1/2	13/16 Dia.	8-1/2	3-3/8	8-1/4	7/8	7/8	6-7/8
444TS	11	18	14-1/2	7-1/2	13/16 Dia.	4-3/4	2-3/8	4-1/2	5/8	5/8	3
445T	11	18	16-1/2	7-1/2	13/16 Dia.	8-1/2	3-3/8	8-1/4	7/8	7/8	6-7/8
445TS	11	18	16-1/2	7-1/2	13/16 Dia.	4-3/4	2-3/8	4-1/2	5/8	5/8	3
447T	11	18	20	7-1/2	13/16 Dia.	8-1/2	3-3/8	8-1/4	7/8	7/8	6-7/8
447TS	11	18	20	7-1/2	13/16 Dia.	4-3/4	2-3/8	4-1/2	5/8	5/8	3

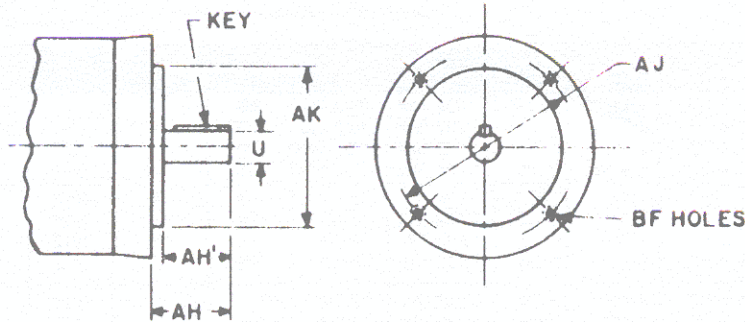
*Dimensions D will never be greater than the above values on rigid-mount motors but it may be less so that shims up to 1/32" thick may be required for coupled or geared machines.

†Dimension V is shaft length available for coupling pinion or pulley hub—this is a minimum value.

‡Bases for motors designated 56H have two sets of 2F mounting slots 3" and 5".

§Bases for motors designated 56HZ have holes and slots to match NEMA 56, 56H, 143T and 145T mounting dimensions.

MOUNTING DATA



N.E.M.A. Frame No.	U	AK	Max. AH	Max. AH'	Key		AJ	BF
					SQ.	LG.		
42CZ	.5000 .4995	3.000 2.997	1-5/16	—	1/8	3/4	3-3/4	1/4 — 20
56C	.6250 .6245	4.500 4.497	2-5/32	—	3/16	1-3/8	5-7/8	3/8 — 16
182C 184C	.8750 .8745	4.500 4.497	2-5/32	—	3/16	1-3/8	5-7/8	3/8 — 16
143TC 145TC								
213C 215C	1.1250 1.1245	8.500 8.497	—	2-25/32	1/4	1-3/4	7-1/4	1/2 — 13
182TC 184TC								
254UC 256UC	1.3750 1.3745	8.500 8.497	—	3-17/32	5/16	2-3/8	7-1/4	1/2 — 13
213TC 215TC								
254TC 256TC	1.6250 1.6240	8.500 8.497	—	3-13/16	3/8	2-7/8	7-1/4	1/2 — 13

Electrol Reducers are designed for use with motors having NEMA "C" face and shaft dimensions as shown. AH and AH' must not be exceeded.