Boston Gear's application engineers are readily available to assist with the initial planning and application analysis and specification of components. Combinations of options, interfacing with equipment external to the drives and proper selection of reducers and other auxiliary components are typical of the possibilities available to satisfy the most complex applications.

NOTE: All performance specifications listed in this catalog are based on steady state operating conditions; i.e. ambient temperature, line voltage, motor frame temperature, etc.

Section Contents

NEMA C-Face Motors

Catalog Numbering System

P

AC MOTORS

HP	VOLTAGE	ENCL	SUFFIX	MANUFACTURER
A - 1/20 **AA** - 1/12 **C** - 1/6 **D** - 1/4 **E** - 1/3 **F** - 1/2 **G** - 3/4 **H** - 1 **J** - 1-1/2 **K** - **2** **L** - 3 **M** - 5 **N** - 7-1/2 **P** - 10 **R** - 15 **S** - 20	**R** - 115/230-1-60 **S** - 115-1-60 **T** - 230-1-60 **U** - 230/460-3-60 **Y** - 575-3-60	**T** - TENV **TF** - TEFC	**B** - BRAKE **35** - 3450 RPM **11** - 1150 RPM	**B** - BALDOR **W** - WEG

PM MOTORS

SERIES DESIGNATION	VOLTAGE	HP	ENCL	MANUFACTURER
PM- Permanent Magnet	**9** - 90VDC **18** - 180VDC	**16** - 1/6 **25** - 1/4 **33** - 1/3 **50** - 1/2 **75** - 3/4 **100**- 1 **150**- 1-1/2 **200**- 2 **300**- 3 **500**- 5	**T, A** - TENV **TF, ATF** - TEFC	**B** - BALDOR **BLANK** - Boston Gear

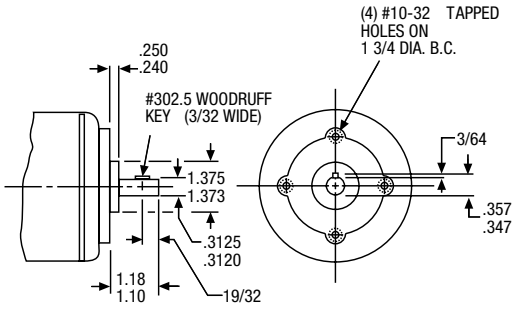
Letters after dash indicate manufacturer:
B = Baldor
W = WEG
Blank = Boston Gear

Catalog Number Example: FUTF-W
1/2 HP, 230/460-3-60, TEFC, Boston Gear

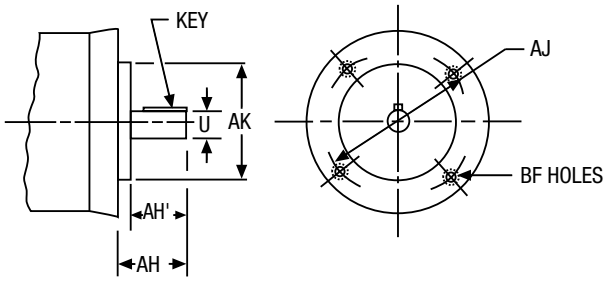
Catalog Number Example: PM916AT-B
Permanent Magnet, 90VDC, 1/6 HP, TENV, Baldor

NEMA Motor Bolt Circle Dimensions

(Special) End Mounted



All Listed NEMA Frames



All DIMENSIONS IN INCHES

Bore Code	NEMA Mounting.	U	AK	MAX. AH	MAX. AH1	KEY SQ.	KEY LG.	AJ	BF
B4	42CZ	.5000 .4995	3.000 2.997	1 5/16	—	1/8	3/4	3 3/4	1/4-20
B5	56C	.6250 .6245	4.500 4.497	2 5/32	—	3/16	1 3/8	5 7/8	3/8-16
B7	182C 184C	.8750 .8745	4.500 4.497	2 5/32	—	3/16	1 3/8	5 7/8	3/8-16
	143TC 145TC								
B9	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								
B11	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								
B13	254TC 256TC	1 .6250 1.6240	8.500 8.497	—	3 13/16	3/8	2 7/8	7 1/4	1/2-13

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

@ 1750 RPM Input

HP (Motor)	RPM † (Range)	Torque (Maximum) (LB. IN.)	Flange Reducers**	Motors	
				AC †	DC †
1/6	350-12	27	**F710-5**	**ACUT* CUTF**	**APM916 PM916**
	175-6	53	**F710-10**		
	117-4	77	**F710-15**		
	88-3	98	**F710-20**		
	70-2.5	117	**F713-25**		
	58-2	132	**F713-30**		
		139	**F710-30**		
	44-1.5	128	**F710-40**		
		178	**F713-40**		
	35-1.2	120	**F710-50**		
		210	**F715-50**		
	29-1	223	**F718-60**		
1/4	350-12	41	**F710-5**	**ADUFT* DUFT**	**APM925 PM925**
	175-6	80	**F710-10**		
	117-4	116	**F710-15**		
	88-3	130	**F710-20**		
		148	**F713-20**		
	70-2.5	175	**F713-25**		
	58-2	208	**F713-30**		
	44-1.5	266	**F715-40**		
	35-1.2	315	**F715-50**		
	29-1	335	**F718-60**		
1/3	350-12	55	**F710-5**	**AEUTF* EUTF**	**APM933* PM933**
	175-6	107	**F710-10**		
	117-4	155	**F713-15**		
	88-3	197	**F713-20**		
	70-2.5	234	**F713-25**		
	58-2	277	**F715-30**		
	44-1.5	355	**F715-40**		
	35-1.2	420	**F718-50**		
	29-1	440	**F718-60**		
1/2	350-12	82	**F713-5**	**FUTF**	**PM950**
	175-6	160	**F713-10**		
	117-4	232	**F713-15**		
	88-3	295	**F715-20**		
	70-2.5	350	**F715-25**		
	58-2	416	**F718-30**		
	44-1.5	533	**F721-40**		
	35-1.2	630	**F721-50**		
	29-1	670	**F721-60**		
3/4	350-12	123	**F713-5**	**GUTF**	**PM975**
	175-6	240	**F715-10**		
	117-4	348	**F715-15**		
	88-3	443	**F718-20**		
	70-2.5	526	**F721-25**		

** For Flanged Reducer w/coupling specify RF Model.

† Speed range shown demonstrates a 30 to 1 speed range which is typical when using a single phase DC Controller and Permanent Magnet Motor. Consult your Boston Gear distributor for your particular application.

Adjustable Speed Control Motors **Quick Selection Chart**

HP (Motor)	RPM † (Range)	Torque (Maximum) (LB. IN.)	Flange Reducers**	Motors	
				AC †	DC †
3/4 (CONT.)	58-2	624	**F721-30**	**GUTF**	**PM975**
	44-1.5	800	**F724-40**		
	35-1.2	945	**F724-50**		
	29-1	1004	**F726-60**		
1	350-12	165	**F713-5**	**HUTF**	**PM9100**
	175-6	320	**F718-10**		
	117-4	422	**F718-15**		
	88-3	590	**F721-20**		
	70-2.5	702	**F721-25**		
	58-2	832	**F724-30**		
	44-1.5	1066	**F726-40**		
	35-1.2	1260	**F726-50**		
	29-1	1340	**F730-60**		
1-1/2	350-12	256	**F715-5**	**JUTF**	**PM18150**
	175-6	460	**F718-10**		
	117-4	646	**F721-15**		
	88-3	886	**F724-20**		
	70-2.5	1056	**F724-25**		
	58-2	1247	**F726-30**		
	44-1.5	1598	**F730-40**		
	35-1.2	1890	**F732-50**		
	29-1	2009	**F732-60**		
2	350-12	328	**F718-5**	**KUTF**	**PM18200**
	175-6	640	**F721-10**		
	117-4	929	**F724-15**		
	88-3	1180	**F726-20**		
	70-2.5	1440	**F730-25**		
	58-2	1663	**F732-30**		
	44-1.5	2131	**F732-40**		
	35-1.2	2520	**F732-50F**		
	29-1	2678	**F738-60**		
3	350-12	491	**F724-5**	**LUTF**	**PM18300**
	175-6	960	**F726-10**		
	117-4	1393	**F730-15**		
	88-3	1771	**F730-20**		
	70-2.5	2150	**F732-25F**		
	58-2	2495	**F732-30F**		
	44-1.5	3196	**F738-40**		
	35-1.2	4016	**F738-50F**		
	29-1	4020	**RF752-60**		
5	175-6	1602	**F732-10**	**MUTF**	**PM18500**
	117-4	2230	**F732-15F**		
	88-3	2952	**F738-20**		
	58-2	4180	**RF752-30**		
	44-1.5	5328	**RF752-40**		
	35-1.2	6300	**RF752-50F**		
	29-1	7392	**RF760-60F**		

** For Flanged Reducer w/coupling specify RF Model.

† Speed range shown demonstrates a 30 to 1 speed range which is typical when using a single phase DC Controller and Permanent Magnet Motor. Consult your Boston Gear distributor for your particular application.

@ 1750 RPM Input

ORDER BY CATALOG NUMBER OR ITEM CODE

HP	NEMA Mounting	Bore Code †	Totally Enclosed*						Open Dripproof			
			115/230-1-60		208-230/460-3-60		575-3-60		115/230-1-60		208-230/460-3-60	
			Catalog Number	Item Code	Catalog Number	Item Code	Catalog Number	Item Code	Catalog Number	Item Code	Catalog Number	Item Code
1/20	SP	—	**AST-B****	65403	**—**	—	**—**	—	**—**	—	**—**	—
1/12	SP	—	**AAST-B****	65402	**—**	—	**—**	—	**—**	—	**—**	—
1/6	42CZ	B4	**ACRT-W**	65320	**ACUT-W**	65368	**—**	—	**—**	—	**—**	—
	42CZ	B4	**ACRTF-B**	69725	**ACUT-B**	69728	**—**	—	**—**	—	**—**	—
	56C 56C 56C	B5 B5 B5	**CRTF-W** **CRT-B** **CRTF-B**	65316 85775 85777	**CUTF-W** **CUT-B** **CUTF-B**	65371 85776 85778	**—** **—** **—**	— — —	**—** **CR-B** **—**	— 85773 —	**—** **CU-B** **—**	— 85774 —
1/4	42CZ 42CZ	B4 B4	**ADRT-W** **ADRTF-B**	65325 69726	**ADUT-W** **ADUTF-B**	65374 69729	**—** **—**	— — — —	**—** **—**	— —	**— —**	— —
	56C	B5	**DRTF-W** **DRTF-B** **DSTF-B**** **—**	65326 66199 66202	**DUTF-W** **DUTF-B** **—** **—**	65380 66205 — —	**—** **DYTF-B** **—** **—**	— 66208 — —	**—** **DR-B** **DS-B**** **—**	— 66109 66112 —	**—** **DU-B** **—** **—**	— 66115 — —
1/3	42CZ	B4	**AERT-W** **AERTF-B**	65346 69727	**AEUT-W** **AEUTF-B**	65381 69730	**—** **—**	— —	**—** **—**	— —	**—** **—**	— —
	56C 56C	B5 B5	**ERTF-W** **ERTF-B**	65348 66211	**EUTF-W** **EUTF-B**	65383 66214	**—** **EYTF-B**	— 66217	**—** **ER-B**	— 66121	**—** **EU-B**	— 66124
1/2	56C	B5	**FRTF-W** **FRTF-B**	65350 66219	**FUTF-W** **FUTF-B**	65404 66223	**—** **FYTF-B**	— 66226	**—** **FR-B**	— 66130	**—** **FU-B**	— 66133
3/4	56C	B5	**GRTF-W** **GRTF-B**	65351 66228	**GUTF-W** **GUTF-B**	65405 66231	**—** **GYTF-B**	— 66831	**—** **GR-B**	— 66139	**—** **GU-B**	— 66142
1	56C	B5	**HRTF-5/8-W** **HRTF-5/8-B**	65354 19178	**HUTF-5/8-W** **HUTF-5/8-B**	65406 50428	**—** **HYTF-5/8-B**	— 19179	**—** **HR-5/8-B**	— 19183	**—** **HU-5/8-B**	— 50427
	143TC	B7	**—** **HRTF-B**	— 66234	**HUTF-W** **HUTF-B**	65412 66237	**—** **HYTF-B**	— 66240	**—** **HR-B**	— 66145	**HU-W** **HU-B**	65249 66148
1-1/2	56C	B5	**—** **—**	**—** **—**	**JUTF-5/8-W** **JUTF-5/8-B**	65407 19784	**—** **—**	— —	**—** **—**	— —	**—** **—**	— —
	145TC	B7	**—** **JRTF-B**	66243	**JUTF-W** **JUTF-B**	65437 66246	**—** **JYTF-B**	— 66249	**—** **JR-B**	— 66154	**JU-W** **JU-B**	65251 66157
2	56C	B5	**—** **—**	**—** **—**	**KUTF-5/8-W** **KUTF-5/8-B**	65440 19785	**—** **—**	— —	**—** **—**	— —	**—** **—**	— —
	145TC	B7	**—** **—**	— —	**KUTF-W** **KUTF-B**	65445 66252	**—** **KYTF-B**	— 66255	**—** **—**	— —	**KU-W** **KU-B**	65256 66163
3	182TC	B9	**—** **—**	— —	**LUTF-W** **LUTF-B**	65446 66258	**—** **LYTF-B**	66260	**—** **—**	— —	**LU-W** **LU-B**	65257 66166
5	184TC	B9	**—** **—**	— —	**MUTF-W** **MUTF-B**	65448 66262	**—** **MYTF-B**	— 66264	**—** **—**	— —	**MU-W** **MU-B**	65258 66170
7-1/2	213TC	B11	**—**	—	**NUTF-B**	66266	**—**	—	**—**	—	**—**	—
10	215TC	B11	**—**	—	**PUTF-B**	66270	**—**	—	**—**	—	**—**	—
15	254TC	B13	**—**	—	**RUTF-B**	66274	**—**	—	**—**	—	**—**	—
20	256TC	B13	**—**	—	**SUTF-B**	66278	**—**	—	**—**	—	**—**	—

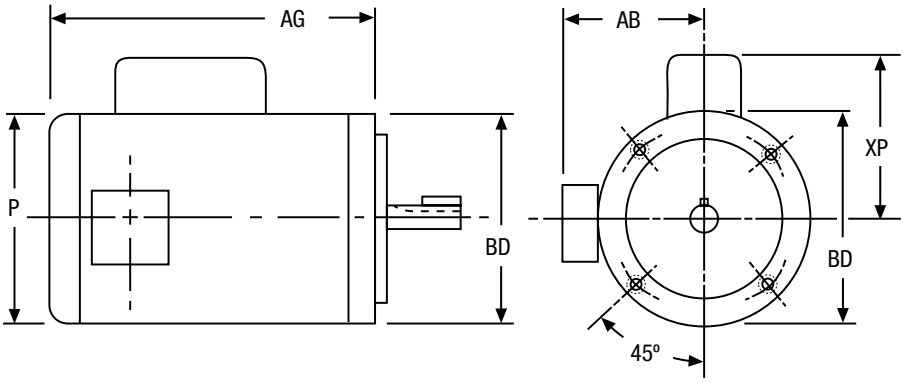
* T = TENV – Totally Enclosed, Non-ventilated.
** 115 Volt only.
TF = TEFC – Totally Enclosed, Fan Cooled.
† See Page 334 for Bore Code explanation.
Letters after dash indicate manufacturer — W = WEG.; B = Baldor

FOR DIMENSIONS OF THESE MOTORS, SEE PAGES 338 AND 339
FOR OTHER AVAILABLE MOTORS, CONSULT FACTORY OR REFER TO
BOSTON GEAR'S COMPLETE ELECTRICAL PRODUCTS CATALOG P-1525-BG.

AC Open Dripproof Motor

Dimensions

P

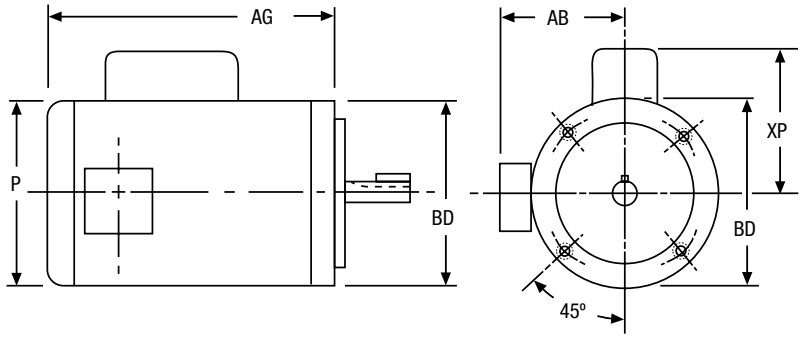


ALL DIMENSIONS IN INCHES

HP	NEMA MTG.	BORE CODE	-B (BALDOR) MOTORS						
			CATALOG NUMBER	ITEM CODE	AB	AG	BD	XP	P
1/20	SPL	SPL	**AST-B**	65403	—	6.56	4.51	—	4.62
1/12	SPL	SPL	**AAST-B**	65402	—	6.56	4.51	—	4.62
1/6	56C	B5	**CR-B**	85773	4.41	8.03	5.87	4.34	5.69
	56C	B5	**CU-B**	85774	4.41	8.03	5.87	—	5.69
1/4	56C	B5	**DR-B**	66109	4.41	8.68	5.87	4.34	5.69
	56C	B5	**DS-B**	66112	4.41	8.68	5.87	4.34	5.69
	56C	B5	**DU-B**	66115	4.41	8.68	5.87	—	5.69
1/3	56C	B5	**ER-B**	66121	4.41	8.68	5.87	4.34	5.69
	56C	B5	**EU-B**	66124	4.41	8.68	5.87	—	5.69
1/2	56C	B5	**FR-B**	66130	4.41	8.68	5.87	4.34	5.69
	56C	B5	**FU-B**	66133	4.41	8.68	5.87	—	5.69
3/4	56C	B5	**GR-B**	66139	5.62	10.00	6.50	5.02	6.62
	56C	B5	**GU-B**	66142	5.62	9.00	6.50	—	6.62
1	56C	B5	**HR-5/8-B**	19183	5.62	9.00	6.50	5.49	6.62
	56C	B5	**HU-5/8-B**	50427	5.62	9.00	6.50	—	6.62
	143TC	B7	**HR-B**	66145	5.09	9.00	6.50	5.49	6.62
	143TC	B7	**HU-B**	66148	5.12	9.00	6.50	—	6.62
1-1/2	145TC	B7	**JR-B**	66154	5.09	9.00	6.50	5.49	6.62
	145TC	B7	**JU-B**	66157	5.09	9.00	6.50	—	6.62
2	145TC	B7	**KU-B**	66163	5.09	10.00	6.50	—	6.62
3	182TC	B9	**LU-B**	66166	5.88	11.00	6.50	—	7.88

Note: See Page 334 for mounting and shaft dimensions.

Dimensions



ALL DIMENSIONS IN INCHES

HP	NEMA MTG.	BORE CODE	WEG MOTORS							-B (BALDOR) MOTORS						
			CATALOG NUMBER	ITEM CODE	AB	AG	BD	XP	P	CATALOG NUMBER	ITEM CODE	AB	AG	BD	XP	P
1/6	56C	B5	**CRTF-W**	65316	5.43	9.04	6.54	4.13	7.32	**CRTF-B**	85777	4.90	9.29	5.81	4.41	5.68
	56C	B5	**CUTF-W**	65371	5.43	9.04	6.54	—	7.32	**CUTF-B**	85778	4.90	9.29	5.81	—	5.68
1/4	56C	B5	**DRTF-W**	65326	5.43	9.04	6.54	4.13	7.32	**DRTF-B**	66199	5.18	9.29	5.81	4.41	5.68
	56C	B5	**—**	—	—	—	—	—	—	**DSTF-B**	66202	4.51	9.29	5.81	4.41	5.68
	56C	B5	**DUTF-W**	65380	5.43	9.04	6.54	—	7.32	**DUTF-B**	66205	4.51	9.29	5.81	4.41	5.68
	56C	B5	**—**	—	—	—	—	—	—	**DYTF-B**	66208	4.53	9.29	5.81	—	5.68
1/3	56C	B5	**ERTF-W**	65348	5.43	9.04	6.54	4.13	7.32	**ERTF-B**	66211	4.51	9.29	5.81	4.41	5.68
	56C	B5	**EUTF-W**	65383	5.43	9.04	6.54	—	7.32	**EUTF-B**	66214	4.51	9.29	5.81	—	5.68
	56C	B5	**EYTF-W**	65454	5.43	9.04	6.54	—	7.32	**EYTF-B**	66217	4.51	9.29	5.81	—	5.68
1/2	56C	B5	**FRTF-W**	65350	5.43	9.04	6.54	4.13	7.32	**FRTF-B**	66219	4.51	9.94	5.81	4.41	5.68
	56C	B5	**FUTF-W**	65404	5.43	9.04	6.54	—	7.32	**FUTF-B**	66223	4.51	9.32	5.81	—	5.68
	56C	B5	**FYTF-W**	65455	5.43	9.04	6.54	—	7.32	**FYTF-B**	66226	4.51	9.32	5.81	—	5.68
3/4	56C	B5	**GRTF-W**	65351	5.43	9.04	6.54	4.13	7.32	**GRTF-B**	66228	4.51	11.29	5.81	5.08	5.68
	56C	B5	**GUTF-W**	65405	5.43	9.04	6.54	—	7.32	**GUTF-B**	66231	4.51	9.32	5.81	—	5.68
	56C	B5	**GYTF-W**	65457	5.43	9.04	6.54	—	7.32	**GYTF-B**	66831	5.22	10.19	6.50	—	6.62
1	56C	B5	**HRTF-5/8-W**	65354	5.43	10.22	6.54	—	7.32	**HRTF-5/8-B**	19178	4.90	11.29	5.81	5.56	5.68
	56C	B5	**HUTF-5/8-W**	65406	5.43	10.22	6.54	—	7.32	**HUTF-5/8-B**	50428	5.22	10.82	6.50	—	5.68
	56C	B5	**—**	—	—	—	—	—	—	**HYTF-5/8-B**	19179	5.22	10.19	6.50	—	6.62
	143TC	B7	**—**	—	—	—	—	—	—	**HRTF-B**	66234	5.22	11.19	6.50	5.56	6.62
	143TC	B7	**HUTF-W**	65412	5.43	10.95	6.54	—	7.32	**HUTF-B**	66237	4.51	10.19	5.81	—	6.62
	143TC	B7	**—**	—	—	—	—	—	—	**HYTF-B**	66240	5.22	10.19	6.50	—	6.62
1-1/2	56C	B5	**JUTF-5/8-W**	65407	5.43	10.22	6.54	—	7.32	**JUTF-5/8-B**	19784	5.22	10.19	6.50	—	6.62
	145TC	B7	**—**	—	—	—	—	—	—	**JRTF-B**	66243	5.22	11.17	6.50	5.56	6.62
	145TC	B7	**JUTF-W**	65437	5.43	10.95	6.54	—	7.32	**JUTF-B**	66246	5.22	11.17	6.50	—	6.62
	145TC	B7	**JYTF-W**	65475	5.43	10.95	6.54	—	7.32	**JYTF-B**	66249	5.22	11.17	6.50	—	6.62
2	56C	B5	**KUTF-5/8-W**	65440	5.43	11.40	6.54	—	7.32	**—**	—	—	—	—	—	—
	145TC	B7	**KUTF-W**	65445	5.43	12.13	6.54	—	7.32	**KUTF-B**	66252	5.22	11.17	6.50	—	6.62
	145TC	B7	**—**	—	—	—	—	—	—	**KYTF-B**	66255	5.22	11.17	6.50	—	6.62
3	182TC	B9	**LUTF-W**	65446	6.61	13.24	8.88	—	8.75	**LUTF-B**	66258	6.00	13.93	8.86	—	7.88
			—	—	—	—	—	—	—	**LYTF-B**	66260	6.00	13.93	8.86	—	7.88
5	184TC	B9	**MUTF-W**	65448	6.61	13.24	8.88	—	8.75	**MUTF-B**	66262	6.00	15.43	8.86	—	7.88
7-1/2	213TC	B11	**—**	—	—	—	—	—	—	**NUTF-B**	66266	7.45	15.53	9.04	—	9.56
10	215TC	B11	**—**	—	—	—	—	—	—	**PUTF-B**	66270	7.45	16.67	9.04	—	9.56
15	254TC	B13	**—**	—	—	—	—	—	—	**RUTF-B**	66274	9.22	16.67	9.10	—	9.56

Note: See page 334 for mounting and shaft dimensions.
T = Totally-enclosed, non-ventilated.
TF = Totally-enclosed, fan cooled.

Permanent Magnet Totally Enclosed 1750 RPM Motors

ORDER BY CATALOG NUMBER OR ITEM CODE

HP	NEMA MTG.	BORE CODE †	CATALOG NUMBER*	ITEM CODE
1/6	56C	B5	**PM916AT-B**	19120
			PM916T	59476
1/4	56C	B5	**PM925AT-B**	19121
			PM925T	59478
1/3	56C	B5	**PM933AT-B**	19122
			PM933T	59480
1/2	56C	B5	**PM950AT-B**	19123
			PM950TF	59481
			PM1850TF-B	19186
			PM1850TF	59482

* AT, T = TENV – Totally Enclosed, Non-ventilated.
TF = TEFC – Totally Enclosed, Fan Cooled.
† See Page 334 for Bore Code explanation.
PM9-90 VDC (Armature Voltage)
PM18-180 VDC (Armature Voltage)

Letters after dash indicate manufacturer – B = Baldor
Blank = Boston Gear

ORDER BY CATALOG NUMBER OR ITEM CODE

HP	NEMA MTG.	BORE CODE †	CATALOG NUMBER*	ITEM CODE
3/4	56C	B5	**PM975TF-B**	69853
			PM975TF	59483
			PM1875TF-B	69866
			PM1875TF	59484
1	56C	B5	**PM9100TF-5/8-B**	50421
			PM9100TF-5/8	59486
			PM18100TF-5/8-B	50424
			PM18100TF-5/8	59488
	56CZ	B7	**PM9100TF-B**	69867
			PM9100TF	59485
			PM18100TF-B	69869
			PM18100TF	59487
1-1/2	56CZ	B7	**PM18150TF-B**	69870
	140TC	B7	**PM18150TF**	59489
2	56CZ	B7	**PM18200TF-B**	68783
	140TC	B7	**PM18200TF**	59490
3	184TC	B9	**PM18300TF-B**	69411
5	1810ATC	B9	**PM18500TF-B**	69412

ENCLOSURES—Most applications can utilize open dripproof motors; other enclosures are listed. For information purposes, the various enclosures are defined below.

OPEN, DRIPPROOF—Same as open, except the construction of motor prevents the entrance of drops of liquid or particles falling on the motor at any angle not greater than 15 degrees from vertical.

TOTALLY-ENCLOSED—A motor so constructed as to prevent free exchange of air between the inside and outside of the motor case, but not air-tight.

TOTALLY-ENCLOSED, NON–VENTILATED (TENV)—A totally-enclosed motor with openings closed and of sufficient size and mass to permit the necessary heat dissipation to eliminate the need for external cooling.

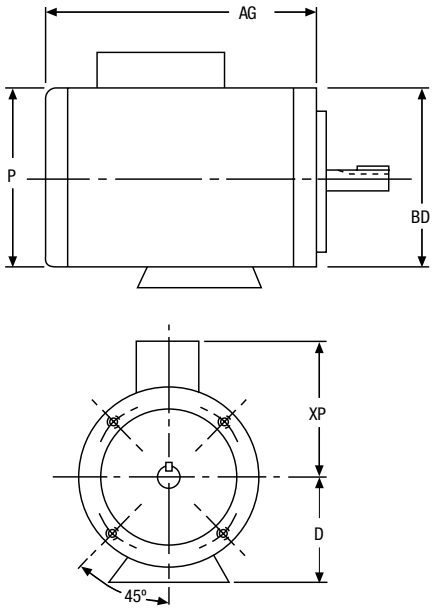
TOTALLY-ENCLOSED, FAN-COOLED (TEFC)—Basically a TENV motor which has an external fan to blow cooling air over the motor. The additional cooling eliminates the necessity of a more costly oversized TENV motor.
NOTE: TENV and TEFC construction are equal in all respects regarding application, temperature capabilities and performance.

FOR DIMENSIONS OF THESE MOTORS, SEE PAGE 346.
FOR OTHER AVAILABLE MOTORS, CONSULT FACTORY.

Dimensions

ALL DIMENSIONS IN INCHES

HP	NEMA MTG.	BORE CODE	CATALOG NUMBER	AG	BD	XP	P	D
1/6	56C	B5	**PM916T**	7.13	6.50	4.47	4.87	3.50
1/4	56C	B5	**PM925T**	7.66	6.50	4.47	4.87	3.50
1/3	56C	B5	**PM933T**	8.13	6.50	4.47	4.87	3.50
1/2	56C	B5	**PM950TF**	9.75	6.50	4.47	4.87	3.50
	56C	B5	**PM1850TF**	9.75	6.50	4.47	4.87	3.50
3/4	56C	B5	**PM975TF**	12.25	6.50	4.47	4.87	3.50
	56C	B5	**PM1875TF**	11.75	6.50	4.47	4.87	3.50
1	56CZ	B7	**PM9100TF**	14.25	6.50	4.87	5.61	3.50
	56C	B5	**PM9100TF-5/8**	14.25	6.50	4.87	5.61	3.50
	56CZ	B7	**PM18100TF**	13.25	6.50	4.87	5.61	3.50
	56C	B5	**PM18100TF-5/8**	13.25	6.50	4.87	5.61	3.50
1-1/2	140TC	B7	**PM18150TF**	16.21	6.50	5.31	6.50	3.50
2	140TC	B7	**PM18200TF**	17.21	6.50	5.31	6.50	3.50



Note: See page 334 for mounting and shaft dimensions.

ALL DIMENSIONS IN INCHES

HP	NEMA MTG.	BORE CODE	-B (BALDOR) MOTORS					
			CATALOG NUMBER	AG	BD	XP	P	D
1/6	56C	B5	**PM916AT-B**	8.25	6.50	4.56	4.69	3.50
1/4	56C	B5	**PM925AT-B**	9.19	6.50	4.56	4.69	3.50
1/3	56C	B5	**PM933AT-B**	10.13	6.50	4.56	4.69	3.50
1/2	56C	B5	**PM950AT-B**	11.88	6.50	4.56	4.69	3.50
	56C	B5	**PM1850TF-B**	10.56	6.63	4.00	4.87	3.50
3/4	56C	B5	**PM975TF-B**	11.69	6.63	4.00	5.81	3.50
	56C	B5	**PM1875TF-B**					
1	56CZ	B7	**PM9100TF-B**	12.57	6.63	4.00	5.81	3.50
	56C	B5	**PM9100TF-5/8-B**					
	56CZ	B7	**PM18100TF-B**					
	56C	B5	**PM18100TF-5/8-B**					
1-1/2	56CZ	B7	**PM18150TF-B**	15.06	6.63	4.25	6.50	3.50
2	56CZ	B7	**PM18200TF-B**	16.06	6.63	4.25	6.50	3.50
3	184TC	B9	**PM18300TF-B**	21.46	9.00	6.06	7.88	4.50
5	1810ATC	B9	**PM18500TF-B**	25.46	9.00	6.06	7.88	4.50

AC Bost-Kleen Washdown Duty Motors

P

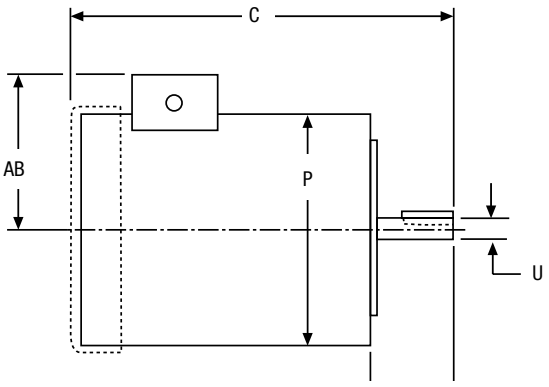
White Bost-Kleen Motors

- AC Motors 1/2 - 5 HP
- DC Motors 1/4 - 3/4 HP
- Durable White Epoxy Finish
- Gasketed Thru Bolts
- Weep Holes
- NEMA C-Face Mounting
- BISSC certified

Designed for food processing and other corrosive applications where the motor is constantly exposed to an environment requiring high pressure washdown to maintain cleanliness.

WHITE BISSC CERTIFIED MOTORS	HP	Catalog Number	Item Code	NEMA Mounting	Enclosure
AC MOTORS 230/460 VAC 3 PHASE 60 HZ	1/2	**FUT-WB-B**	69105	56C	TENV
	3/4	**GUT-WB-B**	69106	56C	TENV
	1	**HUT-5/8-WB-B**	69123	56C	TENV
	1	**HUT-WB-B**	69107	143TC	TENV
	1-1/2	**JUTF-WB-B**	69110	145TC	TEFC
	2	**KUTF-WB-B**	69111	145TC	TEFC
	3	**LUTF-WB-B**	69112	182TC	TEFC
	5	**MUTF-WB-B**	69113	184TC	TEFC

Dimensions



HP	Catalog Number	U +.0000 -.0005	C	AH	P	AB
1/2	**FUT-WB-B**	.6250	11.06	2.06	6.62	5.25
3/4	**GUT-WB-B**	.6250	12.12	2.06	6.62	5.25
1	**HUT-5/8-WB-B**	.6250	12.12	2.06	6.62	5.25
1	**HUT-WB-B**	.8750	12.12	2.13	6.62	5.25
1-1/2	**JUTF-WB-B**	.8750	13.30	2.13	6.62	5.25
2	**KUTF-WB-B**	.8750	12.30	2.13	6.62	5.25
3	**LUTF-WB-B**	1.1250	16.55	2.63	7.88	5.88
5	**MUTF-WB-B**	1.1250	16.55	2.63	7.88	5.88

These double C-Face Brakes are direct acting with only one moving part. They are spring set and electro-magnetically released. Movement is limited to a spring loaded pressure plate. Release is instantaneous. If power fails, the brake will immediately set and hold.

Features

- Automatic Reset
- Compact
- Continuous Duty
- Dependable
- Full Torque Stop
- Horizontal/Vertical Mount
- Instant Magnetic Release
- One Moving Part
- Ready to Mount
- Shock Mounted Magnet
- Direct Acting
- Flange/Foot Mounting
- Splined Hub
- Standard NEMA Voltages/Frequencies
- Superior Disc Life
- Superior Thermal Capacity
- Double C-Face

Operation

Friction discs rotate with the motor shaft and are free to move axially on the hub. When the magnet coil is de-energized, a spring loaded pressure plate (magnet armature) presses against the rotating discs. Friction force stops and holds the motor shaft.

The pressure plate retracts against torque springs by magnetic force when the magnet is energized. Friction discs are then released and free to rotate with the hub and motor shaft. A manual release is also provided.

Brake coil leads connect directly to motor leads so that power is simultaneously supplied to both brake and motor. No control equipment is required. An instruction bulletin on mounting and hookup are included with each brake.

Splined Hub

These C-Face brakes use splined hubs and internally splined friction discs as standard equipment. The spline design virtually elimi nates back lash which is a delayed action effect caused by excessive clearances between hub and discs.

Splines in crease disc life because the many con tact points between hub and discs reduce the concentration of stresses encountered with non-splined hubs having only a few contact points.

ORDER BY CATALOG NUMBER OR ITEM CODE

Torque (Lb. Ft.)	NEMA Frame	Bore Code	Mounting	Coil Voltage					
				115/230 VAC, 60 Hz		208-230/460 VAC, 60 Hz 190/380 VAC, 50 Hz		575 VAC, 60 Hz	
				Catalog Number	Item Code	Catalog Number	Item Code	Catalog Number	Item Code
3	56C	B5	Horizontal/Vertical	**CMBA56R-3**	67545	**CMBA56U-3**	67546	**CMBA56Y-3**	67547
6		B5	Horizontal	**CMBA56R-6**	67548	**CMBA56U-6**	67549	**CMBA56Y-6**	67550
	140TC	B7	Horizontal	**CMBA140TR-6**	67551	**CMBA140TU-6**	67552	**CMBA140TY-6**	67553
		B7	Vertical Shaft Up	**CMBA140TR-6U**	67554	**CMBA140TU-6U**	67556	—	—
		B7	Vertical Shaft Down	**CMBA140TR-6D**	67555	**CMBA140TU-6D**	67557	—	—

ALL DIMENSIONS IN INCHES

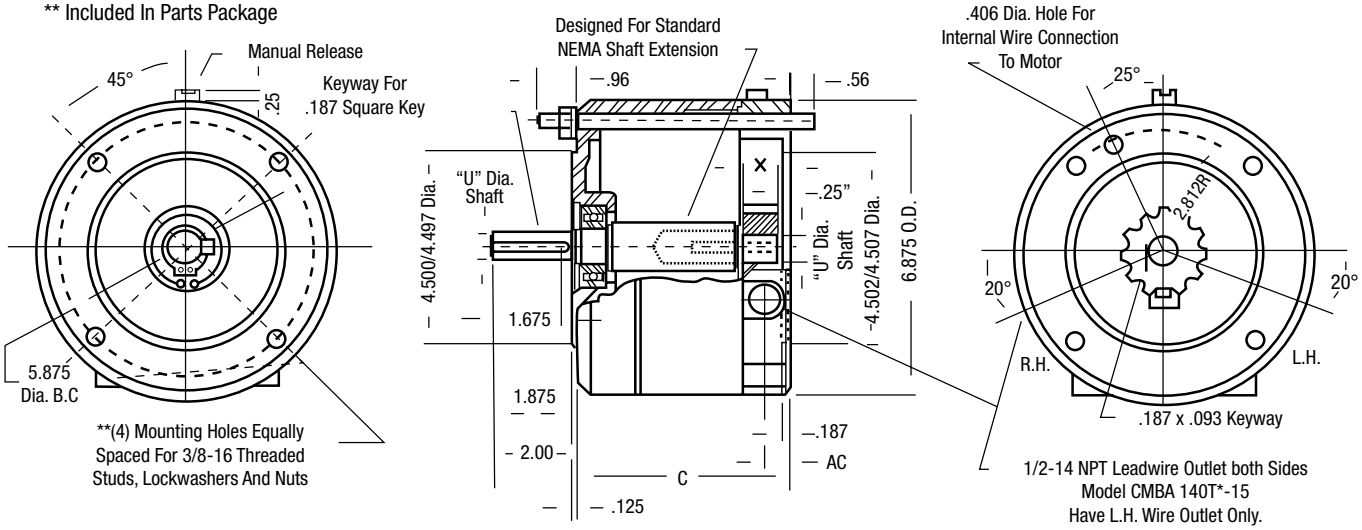
Size	AC	C	G	X	U	Housing O.D.	Approx. Weight
56-3 56-6 140T-6	9/16	4-15/16	1-3/16	7/8	**5/8 5/8 7/8**	6-7/8	12 Lbs.

PARTS (ORDER BY ITEM CODE)

Description	Item Code
Base Kit	67561
Coil–115/230 VAC 60 Hz	67558
Coil–208-200-380-440 VAC	67559
Coil–575 VAC 60 Hz	67560
Disc–Stationary	67562
Disc–Rotating	67563

Dimensions

** Included In Parts Package



Notes

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