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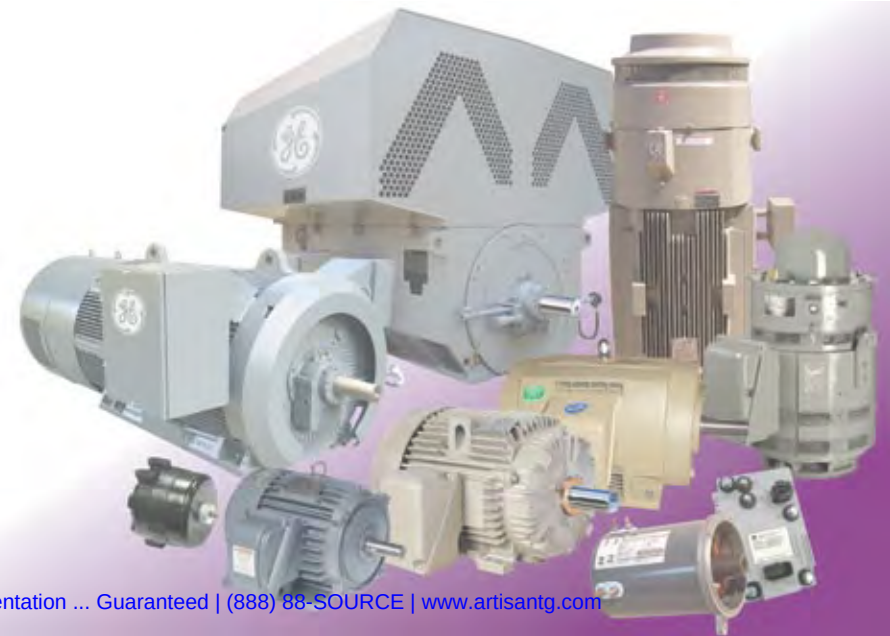
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DC Motors – Kinamatic™

Standard Features



Introduction
Designed to meet NEMA specifications, GE Industrial Systems complete line of DC motor offerings are available to meet all of your DC motor needs. The Kinamatic™ line of motors featured in this publication is a result of many years of research and development. Quality components and craftsmanship are designed to provide years of dependable motor performance.

Frames
The rugged frame construction of Kinamatic™ motors is just one feature designed for optimum motor performance in the most demanding industrial applications.

Bearings
Antifriction bearings permit mounting of standard CD320AT and below frame sizes at any angle and CD365AT-CD508AT frames mounted vertical shaft down.

Insulation
Kinamatic™ DC motors have Class F insulation containing a number of components rated Class H, unless otherwise specified. The insulation system employs many proprietary materials and processes developed specifically for this line of machines. The system was chosen to provide long life at rated loads and also to withstand the effects of mechanical shock, vibration, and the contamination of many severe environments. The Class F insulation system has been proven by laboratory tests and by many years of successful operation.

TIG Welding
Low maintenance, trouble free commutator riser joints are provided by TIG (Tungsten Inert Gas) welding commutator risers to the armature coil.

The strong copper-to-copper connection eliminates the use of material with low melting temperatures and greatly increases the motor's ability to withstand overloads.

Other benefits of TIG welding include excellent mechanical strength and overload capacity, no tin or lead contaminants, and no throwing of solder. TIG welding is found on CD180AT and above frame sizes.

Motor Finish
Our standard motor or generator paint is a machine tool ANSI #49 grey, heavy duty acrylic enamel over a water based primer. Polyurethane paint is available for waterproof motors.

Trec® Field Coils
Tape Reinforced Encapsulated Construction (TREC®) of all main field coils and commutating field coils is a process which strengthens, seals, and bonds the coil to the pole to form a single unit that is highly resistant to contamination, vibration, impact, and wear.

The TREC® coil is engineered to be elastic enough to withstand expansion and contraction due to temperature differences. The TREC® coil is standard on frames CD365AT-CD5010AY and CD6000-CD6900.

Armature Treatment
Radiant Heat Process (RHP) – All armatures in frames CD180-500AT are treated with a solventless polyester varnish, Radiant Heat Process. Armatures, in horizontal position, are rotated under radiant electric heaters. After preheating, the armatures are dipped and rotated under heaters to cure the varnish. This process locks the resin in place, filling the voids.

Vacuum pressure impregnation (VPI) – Armatures are given a vacuum pressure impregnation (VPI) treatment with high temperature varnish. Armatures are placed into a vacuum vessel that pulls air from the armature. Resin is then allowed into the vessel, and pressure is applied. The pressure pushes the resin into the void. The armature is then drained and baked. Two VPI cycles ensure an even varnish coating and an excellent heat transfer path while eliminating all air pockets.

Warranty
24 months from date of installation or 30 months from date of manufacture, whichever occurs first

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DC Motors – Kinamatic™

Type-C Power Supply

Pricing



Base Mounted - GE CD180AT-CD500AT
Shunt Wound - Dripproof Fully Guarded - Self Ventilated

HP	RPM	Armature Volts	Field Volts	Armature Amps	Field Amps	Frame	Cat. No.	List Price	Price Symbol	Norm. Stk.	Wt. (lbs)	C Dim. (in.)	Notes
2	1750/2300	240	300/150	7.6	.35/.20	L182AT	**D587**	$1,804	GO-2AS	Y	83	15.30	
3	1750/2300	240	300/150	11.0	.34/.23	186AT	**D403**	$2,124	GO-2AS	Y	105	16.80	
3	1750/2300	500	300/150	5.1	.55/.30	186AT	**D588**	$2,124	GO-2AS	N	105	16.80	
3	1750/2300	240	240/120	11.0	.44/.28	186ATC	**D404**	$2,210	GO-2AS	Y	102	16.80	75
5	1750/2300	240	300/150	18.0	.45/.27	L186AT	**D409**	$2,612	GO-2AS	Y	128	18.80	
5	1750/2300	500	300/150	8.5	.72/.42	L186AT	**D407**	$2,612	GO-2AS	N	128	18.80	
5	1750/2300	240	240/120	17.9	.57/.39	L186ATC	**D410**	$2,698	GO-2AS	N	128	18.80	75
7.5	1750/2300	240	300/150	26.5	.95/.52	189AT	**D417**	$3,152	GO-2AS	N	162	20.80	
7.5	1750/2300	500	300/150	13.2	.78/.54	218AT	**D421**	$3,152	GO-2AS	Y	234	24.20	
7.5	1750/2300	240	240/120	28.1	.98/.63	218ATC	**D422**	$3,403	GO-2AS	Y	243	24.20	75
10	1750/2300	240	300/150	36.6	1.12/.64	219AT	**D425**	$3,592	GO-2AS	Y	252	25.20	
10	1750/2300	500	300/150	17.2	1.35/.88	219AT	**D423**	$3,592	GO-2AS	Y	252	25.20	
10	1750/2300	240	240/120	36.6	1.40/.86	219ATC	**D427**	$3,843	GO-2AS	Y	252	25.20	75
15	1750/2300	240	300/150	56.0	1.30/.80	258AT	**D434**	$4,321	GO-2AS	Y	361	27.10	
15	1750/2300	500	300/150	25.2	1.60/.88	258AT	**D432**	$4,321	GO-2AS	Y	361	27.10	
15	1750/2300	240	240/120	55.1	1.67/.89	258ATC	**D435**	$4,572	GO-2AS	N	378	27.10	75
20	1750/2300	240	300/150	70.5	1.42/.95	259AT	**D441**	$4,955	GO-2AS	N	403	28.80	
20	1750/2300	500	300/150	35.0	1.53/.83	259AT	**D437**	$4,955	GO-2AS	Y	403	28.80	
25	1750/2300	240	300/150	91.0	1.47/.90	287AT	**D444**	$6,118	GO-2AS	Y	493	31.00	
25	1750/2300	500	300/150	42.7	1.76/1.20	287AT	**D442**	$6,118	GO-2AS	Y	493	31.00	
25	1150/2000	240	300/150	89.0	1.89/1.08	328AT	**D589**	$7,950	GO-2AS	Y	769	35.40	
30	1750/2300	240	300/150	107.0	1.56/1.11	288AT	**D448**	$6,734	GO-2AS	N	548	32.70	
30	1750/2300	500	300/150	50.4	2.08/1.16	288AT	**D445**	$6,734	GO-2AS	Y	548	32.70	
40	1750/2100	500	300/150	65.4	2.32/1.69	328AT	**D541**	$7,922	GO-2AS	N	769	35.40	
40	1750/2100	500	300/150	65.4	2.32/1.69	328AT	**D542**	$7,922	GO-2AS	N	769	35.40	70
40	1150/2000	500	300/150	64.9	2.90/1.35	366AT	**D453**	$10,542	GO-2AS	N	860	35.90	
50	1750/2100	500	300/150	83.7	2.32/1.70	328AT	**D449**	$9,049	GO-2AS	Y	769	35.40	
50	1750/2100	500	300/150	83.7	2.32/1.70	328AT	**D450**	$9,049	GO-2AS	Y	769	35.40	70
50	1150/2000	500	300/150	80.0	2.50/1.32	368AT	**D543**	$12,140	GO-2AS	N	1020	38.90	
60	1750/2100	500	300/150	97.4	3.00/2.30	366AT	**D544**	$10,358	GO-2AS	N	860	35.90	
60	1150/2000	500	300/150	98.0	2.50/1.30	368AT	**D462**	$13,872	GO-2AS	N	1020	38.90	
60	850/1700	500	300/150	99.0	3.00/1.30	407AT	**D590**	$16,900	GO-2AS	N	1300	40.10	
75	1750/2100	500	300/150	122.0	3.06/2.30	366AT	**D455**	$12,169	GO-2AS	Y	860	35.90	
75	1750/2100	500	300/150	122.0	3.06/2.30	366AT	**D456**	$12,169	GO-2AS	Y	860	35.90	70
100	1750/2000	500	300/150	161.0	3.80/2.80	368AT	**D465**	$15,266	GO-2AS	N	1020	38.90	
100	1750/2000	500	300/150	160.0	3.80/2.80	368AT	**D466**	$15,266	GO-2AS	N	1020	38.90	70
125	1750/2000	500	300/150	200.0	3.06/2.55	407AT	**D471**	$18,079	GO-2AS	Y	1300	40.10	
150	1750/2000	500	300/150	238.0	3.80/3.30	409AT	**D476**	$21,751	GO-2AS	N	1600	44.60	
150	1750/2000	500	300/150	238.0	3.80/3.30	409AT	**D477**	$21,751	GO-2AS	Y	1600	44.60	70
200	1750/2000	500	300/150	319.0	4.00/3.25	504AT	**D480**	$27,588	GO-2AS	N	1900	45.70	
250	1750/1900	500	300/150	394.0	8.00/6.68	506AT	**D547**	$33,922	GO-2AS	N	2290	49.70	
300	1750/1900	500	300/150	473.0	8.00/6.83	506AT	**D486**	$40,675	GO-2DS	N	2290	49.70	

Notes:
70 F2 assembly
75 C-Face mounting

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DC Motors – Kinamatic™

Type-C Power Supply

Pricing (cont.)



Base Mounted - GE CD180AT-CD500AT
Shunt Wound - Dripproof Fully Guarded - Separately Ventilated

HP	RPM	Armature Volts	Field Volts	Armature Amps	Field Amps	Frame	Cat. No.	List Price	Price Symbol	Norm. Stk.	Wt. (lbs)	C Dim. (in.)	Notes
10	1750/2300	240	300/150	36.6	1.12/0.64	219AT	**D426**	$3,592	GO-2AS	N	252	25.20	
10	1750/2300	500	300/150	17.2	1.35/0.88	219AT	**D424**	$3,592	GO-2AS	Y	252	25.20	
15	1750/2300	500	300/150	25.2	1.60/0.88	258AT	**D433**	$4,321	GO-2AS	Y	361	27.10	
20	1750/2300	500	300/150	35.0	1.53/0.83	259AT	**D438**	$4,955	GO-2AS	N	403	28.80	
20	1750/2300	500	300/150	35.0	1.53/0.83	259AT	**D439**	$4,955	GO-2AS	N	403	28.80	70
30	1750/2300	500	300/150	50.4	2.08/1.16	288AT	**D446**	$6,136	GO-2AS	N	548	32.70	
40	1750/2100	500	300/150	67.0	2.03/1.32	327AT	**D548**	$7,216	GO-2AS	Y	691	33.40	
40	1150/2000	500	300/150	70.2	2.30/1.01	328AT	**D609**	$9,187	GO-2AS	N	769	35.30	
50	1750/2100	500	300/150	83.7	2.30/1.70	328AT	**D451**	$8,240	GO-2AS	Y	769	35.30	
50	1150/2000	500	300/150	82.0	2.90/1.35	366AT	**D610**	$10,577	GO-2AS	N	860	35.90	
60	1750/2100	500	300/150	97.0	2.40/1.60	L328AT	**D576**	$9,430	GO-2AS	Y	888	37.90	
75	1750/2100	500	300/150	125.0	2.40/1.60	329AT	**D577**	$11,077	GO-2AS	Y	888	37.90	
100	1750/2000	500	300/150	160.0	3.90/3.00	368AT	**D558**	$13,892	GO-2AS	N	1020	38.90	
125	1750/2000	500	300/150	202.0	3.80/3.00	368AT	**D559**	$16,450	GO-2AS	N	1020	38.90	
125	850/1700	500	300/150	203.0	3.70/1.72	506AT	**D613**	$23,807	GO-2AS	N	2290	49.70	
150	1750/2000	500	300/150	242.0	4.00/3.37	407AT	**D560**	$18,934	GO-2AS	N	1300	40.10	
150	850/1700	500	300/150	240.0	9.40/2.90	506AT	**D615**	$26,933	GO-2AS	N	2290	49.70	
200	1750/2000	500	300/150	318.0	6.10/4.60	L409AT	**D574**	$24,010	GO-2AS	N	1650	48.10	
250	1750/1900	500	300/150	400.0	4.30/3.87	504AT	**D575**	$29,518	GO-2AS	N	1900	45.70	
250	1150/1700	500	300/150	401.0	6.50/3.48	506AT	**D618**	$34,750	GO-2AS	N	2290	49.70	
300	1150/1600	500	300/150	480.0	6.40/4.00	508AT	**D619**	$40,757	GO-2DS	N	2810	54.70	
400	1750/1900	500	300/150	629.0	6.42/5.50	508AT	**D489**	$49,160	GO-2DS	Y	2810	54.70	
500	1750/1900	500	300/150	781.0	8.10/6.80	5010AY	**D620**	$65,720	GO-2DS	Y	4260	65.50	104

Notes:
70 F2 assembly
104 4 1/8" shaft diameter

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DC Motors – Kinamatic™

Type-C Power Supply

Pricing (cont.)



Base Mounted - GE CD180AT-CD500AT
Shunt Wound - Dripproof Fully Guarded - Blower Ventilated

HP	RPM	Armature Volts	Field Volts	Armature Amps	Field Amps	Frame	Cat. No.	List Price	Price Symbol	Norm. Stk.	Wt. (lbs)	C Dim. (in.)	Notes
7.5	1750/2300	240	300/150	26.5	0.95/0.52	189AT	**D418**	$4,289	GO-2AS	N	172	23.00	
10	1750/2300	500	300/150	17.2	1.35/0.88	219AT	**D561**	$4,729	GO-2AS	N	272	25.20	
15	1750/2300	500	300/150	25.2	1.60/0.88	258AT	**D562**	$5,458	GO-2AS	N	381	27.10	
20	1750/2300	500	300/150	35.0	1.53/0.83	259AT	**D563**	$6,092	GO-2AS	N	423	28.80	
20	1150/2000	500	300/150	33.9	1.98/0.94	327AT	**D650**	$7,397	GO-2AS	Y	752	33.40	
25	1750/2300	500	300/150	42.7	1.76/1.20	287AT	**D564**	$6,864	GO-2AS	N	513	31.00	
25	1150/2000	500	300/150	42.0	2.30/1.02	328AT	**D651**	$8,440	GO-2AS	N	830	35.30	
30	1750/2300	500	300/150	50.4	2.08/1.16	288AT	**D565**	$7,424	GO-2AS	N	576	32.70	
40	1750/2100	500	300/150	67.0	2.03/1.32	327AT	**D566**	$8,649	GO-2AS	Y	752	33.40	
50	1750/2100	500	300/150	82.0	2.30/1.70	328AT	**D567**	$9,673	GO-2AS	N	830	35.30	
60	1750/2100	500	300/150	97.0	2.40/1.55	L328AT	**D578**	$10,863	GO-2AS	Y	949	37.90	
60	1750/2100	500	300/150	97.2	3.40/2.38	365AT	**D652**	$12,510	GO-2AS	Y	815	33.70	
60	1150/2000	500	300/150	97.0	4.00/1.78	368AT	**D654**	$13,516	GO-2AS	N	1085	38.90	
75	1750/2100	500	300/150	125.0	2.40/1.60	329AT	**D579**	$12,510	GO-2AS	Y	949	37.90	
75	1750/2100	500	300/150	125.0	2.40/1.60	329AT	**D655**	$12,510	GO-2AS	N	949	37.90	70
75	1750/2100	500	300/150	122.0	2.40/1.85	366AT	**D656**	$13,748	GO-2AS	Y	925	35.90	
75	1750/2100	500	300/150	122.0	2.40/1.85	366AT	**D657**	$13,748	GO-2AS	N	925	35.90	70
75	1150/2000	500	300/150	123.0	3.80/1.80	368AT	**D658**	$15,782	GO-2AS	N	1085	38.90	
100	1750/2000	500	300/150	160.0	3.90/3.00	368AT	**D467**	$15,471	GO-2AS	Y	1085	38.90	
100	1150/2000	500	300/150	162.0	7.10/2.96	407AT	**D659**	$18,933	GO-2AS	N	1365	40.10	
100	850/1700	500	300/150	614.0	6.00/2.40	409AT	**D660**	$21,917	GO-2AS	N	1665	44.60	
125	1750/2000	500	300/150	202.0	3.80/3.00	368AT	**D468**	$18,029	GO-2AS	Y	1085	38.90	
125	1150/2000	500	300/150	201.0	7.10/3.30	409AT	**D661**	$21,917	GO-2AS	N	1665	44.60	
150	1750/2000	500	300/150	242.0	4.00/3.37	407AT	**D473**	$20,513	GO-2AS	Y	1365	40.10	
150	1150/2000	500	300/150	244.0	7.29/3.54	409AT	**D662**	$25,236	GO-2AS	N	1665	44.60	
200	1750/2000	500	300/150	318.0	6.10/4.60	L409AT	**D478**	$25,863	GO-2AS	N	1720	48.00	
200	1750/2000	500	300/150	318.0	6.10/4.60	L409AT	**D663**	$25,863	GO-2AS	N	1720	48.00	70
250	1750/1900	500	300/150	400.0	4.30/3.87	504AT	**D482**	$31,371	GO-2AS	Y	1982	45.70	
250	1750/1900	500	300/150	400.0	4.30/3.87	504AT	**D664**	$31,371	GO-2AS	N	1982	45.70	70
300	850/1500	500	300/150	477.0	12.00/5.10	5010AY	**D490**	$48,107	GO-2DS	Y	4343	65.50	104
400	1150/1500	500	300/150	631.0	8.20/5.50	5010AY	**D492**	$60,809	GO-2DS	N	4343	65.50	104
500	1150/1500	500	300/150	795.0	14.70/9.30	6058	**D600**	$76,964	GO-2DS	N	5743	67.61	
600	1750/1900	500	300/150	950.0	10.20/9.00	6063	**D601**	$99,367	GO-2DS	N	6043	71.91	

Notes:
70 F2 assembly
104 4 1/8" shaft diameter

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DC Motors – Kinamatic™

Type-C Power Supply

Pricing (cont.)



Base Mounted - GE CD180AT-CD500AT
Shunt Wound - Totally Enclosed

HP	RPM	Armature Volts	Field Volts	Armature Amps	Field Amps	Frame	Cat. No.	List Price	Price Symbol	Norm. Stk.	Wt. (lbs)	C Dim. (in.)	Notes
1	1750/2300	240	300/150	3.6	0.35/0.22	L182	**D681**	$2,073	GO-2AS	N	83	15.30	55
1	1150/2000	240	240/120	3.7	0.53/0.21	L182	**D680**	$2,221	GO-2AS	N	83	15.30	55
2	1750/2300	240	300/150	7.1	0.29/0.17	L186AT	**D553**	$2,193	GO-2AS	N	128	18.80	55
3	1750/2300	240	300/150	10.8	0.29/0.17	L186AT	**D530**	$2,809	GO-2AS	N	128	18.80	55
3	1750/2300	500	300/150	5.1	0.45/0.26	L186ATC	**D682**	$3,282	GO-2AS	Y	128	18.80	55, 77
5	1750/2300	240	300/150	17.6	0.38/0.24	189AT	**D408**	$4,242	GO-2AS	Y	165	23.00	76
5	1750/2300	240	240/120	17.2	0.95/0.65	2110AT	**D684**	$4,487	GO-2AS	N	280	26.70	55
5	1750/2300	240	300/150	17.2	0.74/0.45	2110AT	**D683**	$4,487	GO-2AS	N	280	26.70	55
5	1750/2300	500	300/150	8.3	0.60/0.40	189AT	**D415**	$4,242	GO-2AS	N	165	23.00	76
5	1750/2300	500	300/150	8.2	0.76/0.52	2110AT	**D685**	$4,487	GO-2AS	Y	280	26.70	55
7.5	1750/2300	240	300/150	26.2	1.15/0.70	2110AT	**D430**	$5,137	GO-2AS	N	287	29.30	76
7.5	1750/2300	500	300/150	12.8	0.74/0.44	2110AT	**D429**	$5,137	GO-2AS	N	287	29.30	76
7.5	1750/2300	500	300/150	12.4	0.91/0.58	259AT	**D686**	$5,446	GO-2AS	N	403	28.90	55
10	1750/2300	240	300/150	34.3	0.88/0.55	259AT	**D440**	$5,868	GO-2AS	Y	442	31.90	
10	1750/2300	500	300/150	16.3	1.15/0.72	259AT	**D436**	$5,868	GO-2AS	N	442	31.90	
15	1750/2300	240	300/150	51.7	0.98/0.68	288AT	**D568**	$7,579	GO-2AS	N	587	36.40	
15	1750/2300	500	300/150	24.5	0.98/0.68	288AT	**D569**	$7,579	GO-2AS	N	587	36.40	
20	1750/2300	240	300/150	68.5	1.24/0.86	327AT	**D570**	$8,710	GO-2AS	N	732	37.60	
25	1750/2300	240	300/150	85.0	1.50/1.10	328AT	**D572**	$10,049	GO-2AS	N	812	39.50	
30	1750/2300	240	300/150	103.0	1.80/1.30	366AT	**D460**	$11,297	GO-2AS	N	940	40.40	
30	1750/2300	500	300/150	48.7	1.80/1.24	366AT	**D457**	$11,297	GO-2AS	N	940	40.40	
40	1750/2100	240	300/150	136.0	0.95/0.76	368AT	**D469**	$14,261	GO-2AS	N	1100	43.40	
40	1750/2100	500	300/150	64.6	1.49/1.20	368AT	**D463**	$14,261	GO-2AS	N	1100	43.40	
50	1750/2100	500	150/300	80.7	1.49/1.20	409AT	**D554**	$17,170	GO-2AS	N	1680	49.40	
75	1750/2100	500	300/150	120.0	1.50/1.25	409AT	**D474**	$20,796	GO-2AS	N	1680	49.40	

Notes:

55 TENV Construction
76 Accessory mounting faces not available for TEFC CD180AT and CD210AT frames
77 8 1/2" C-face rabbet

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DC Motors – Kinamatic™

Type-K Power Supply

Pricing



End Mounted
Permanent Magnet - Totally Enclosed

HP	RPM	Volts	Frame	Base	Cat. No.	List Price	Price Symbol	Norm. Stk.	Wt. (lbs)	C Dim. (in.)	Notes
0.25	1725	90	56C	Bolt-On	**D273**	$271	GO-1PM	Y	19	10.42	55, 82
0.25	1725	180	56C	Bolt-On	**D283**	$281	GO-1PM	N	19	10.42	55, 82
0.33	1725	90	56C	Bolt-On	**D274**	$376	GO-1PM	Y	25	11.42	55, 82
0.33	1725	180	56C	Bolt-On	**D284**	$331	GO-1PM	N	25	11.42	55, 82
0.5	2500	90	56C	Bolt-On	**D285**	$331	GO-1PM	N	29	12.87	82
0.5	2500	180	56C	Bolt-On	**D286**	$321	GO-1PM	N	29	12.87	82
0.5	1725	90	56C	Bolt-On	**D275**	$336	GO-1PM	Y	29	12.87	82
0.5	1725	180	56C	Bolt-On	**D276**	$379	GO-1PM	N	29	12.87	82
0.75	2500	90	56C	Bolt-On	**D287**	$332	GO-1PM	N	37	14.87	82
0.75	2500	180	56C	Bolt-On	**D288**	$345	GO-1PM	N	37	14.87	82
0.75	1725	90	56C	Bolt-On	**D277**	$430	GO-1PM	Y	39	14.87	82
0.75	1725	180	56C	Bolt-On	**D278**	$494	GO-1PM	N	43	14.87	82
1	2500	90	56C	Bolt-On	**D289**	$442	GO-1PM	N	40	14.87	82
1	2500	180	56C	Bolt-On	**D290**	$442	GO-1PM	N	40	14.87	82
1	1725	90	56C	Bolt-On	**D279**	$624	GO-1PM	Y	41	14.87	82
1	1725	180	56C	Bolt-On	**D280**	$624	GO-1PM	Y	41	14.87	82

Shunt Wound - Totally Enclosed

HP	RPM	Armature Volts	Field Volts	Frame	Base	Cat. No.	List Price	Price Symbol	Norm. Stk.	Wt. (lbs)	C Dim. (in)	Notes
1	2500/2750	180	200/100	146ATC	NB	**D300**	$1,038	GO-2SK3	N	55	15.60	85
1	1750/2050	180	200/100	146ATC	NB	**D301**	$1,062	GO-2SK3	N	55	15.60	85
1	1150/1380	180	200/100	148ATC	NB	**D302**	$1,242	GO-2SK3	N	67	16.90	85
1.5	2500/2750	180	200/100	148ATC	NB	**D303**	$1,255	GO-2SK3	N	59	16.90	85
1.5	1750/2050	180	200/100	148ATC	NB	**D304**	$1,277	GO-2SK3	N	67	20.70	85
1.5	1150/1380	180	200/100	1412ATC	NB	**D305**	$1,619	GO-2SK3	N	93	16.90	85
2	2500/2750	180	200/100	148ATC	NB	**D306**	$1,505	GO-2SK3	N	67	18.00	85
2	1750/2050	180	200/100	149ATC	NB	**D307**	$1,529	GO-2SK3	N	77	20.70	85
2	1150/1380	180	200/100	1412ATC	NB	**D308**	$1,938	GO-2SK3	N	102	20.70	85
3	2500/2750	180	200/100	1412ATC	NB	**D309**	$1,938	GO-2SK3	N	102	20.70	85
3	1750/2050	180	200/100	1412ATC	NB	**D310**	$1,962	GO-2SK3	N	102	20.70	85

Notes:
55 TENV Construction
82 Base kit included unassembled with motor
85 Base kit available

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DC Motors – Kinamatic™

Type-K Power Supply

Pricing (cont.)



Base and End Mounted - NEMA 180-210 Frame
Shunt Wound - Dripproof

HP	RPM	Armature Volts	Field Volts	Armature Amps	Field Amps	Frame	Cat. No.	List Price	Price Symbol	Norm. Stk.	Wt. (lbs)	C Dim. (in.)	Notes
1	1750/2050	180	200/100	4.9	0.44/0.37	L182AT	**D585**	$2,598	GO-2AS	N	83	15.30	
1	1750/2050	180	200/100	4.9	0.44/0.37	L182ACY	**D402**	$2,684	GO-2AS	Y	80	15.30	78
1.5	1750/2050	180	200/100	7.3	0.44/0.37	L182ACY	**D536**	$2,795	GO-2AS	N	80	17.50	64, 78
2	1750/2050	180	200/100	9.4	0.59/0.39	186ACY	**D406**	$2,906	GO-2AS	N	102	16.80	78
2	1750/2050	180	200/100	9.4	0.59/0.39	186ATC	**D537**	$2,906	GO-2AS	N	102	16.80	77
3	1750/2050	180	200/100	14.4	0.59/0.39	186ATC	**D539**	$2,824	GO-2AS	Y	102	18.80	77
5	2500/2750	180	200/100	23.6	0.93/0.72	186AT	**D586**	$2,631	GO-2AS	N	105	16.80	64
5	1750/2050	180	200/100	24.1	0.75/0.54	L186ATC	**D413**	$2,921	GO-2AS	Y	128	18.80	64, 77
5	1750/2050	180	200/100	24.1	0.75/0.54	L186ATC	**D414**	$4,058	GO-2AS	N	128	18.80	77, 88
5	1750/2050	180	200/100	23.7	1.38/0.94	219ATC	**D428**	$4,696	GO-2AS	Y	261	25.20	77



Shunt Wound - Totally Enclosed

HP	RPM	Armature Volts	Field Volts	Armature Amps	Field Amps	Frame	Cat. No.	List Price	Price Symbol	Norm. Stk.	Wt. (lbs)	C Dim. (in.)	Notes
1	1750/2050	180	200/100	5.0	0.28/0.22	L182ATC	**D400**	$2,649	GO-2AS	N	80	15.30	55, 77
1	1750/2050	180	200/100	5.0	0.28/0.22	L182ACY	**D401**	$2,649	GO-2AS	N	80	15.30	55, 78
1.5	1750/2050	180	200/100	7.3	0.37/0.27	186ACY	**D405**	$2,784	GO-2AS	Y	102	16.80	55, 78
1.5	1750/2050	180	200/100	7.3	0.37/0.27	186ATC	**D540**	$2,784	GO-2AS	N	102	16.80	55, 77
2	1750/2050	180	200/100	9.5	0.48/0.37	L186ATC	**D411**	$2,857	GO-2AS	Y	128	18.80	55, 77
2	1750/2050	180	200/100	9.5	0.48/0.37	L186ACY	**D412**	$2,857	GO-2AS	Y	128	18.80	55, 78
3	1750/2050	180	200/100	13.9	0.63/0.46	189ACY	**D555**	$2,994	GO-2AS	N	160	20.80	55, 78
3	1750/2050	180	200/100	13.9	0.63/0.46	189ATC	**D419**	$2,994	GO-2AS	Y	160	80.80	55, 77
5	1750/2050	180	200/100	23.3	1.00/0.74	189ATC	**D420**	$3,795	GO-2AS	Y	160	20.80	58, 64, 76, 77
5	1750/2050	180	200/100	23.0	0.81/0.63	2110ATC	**D431**	$5,497	GO-2AS	Y	289	26.70	55, 77
5	1750/2050	180	200/100	23.3	1.00/0.74	189AT	**D583**	$3,709	GO-2AS	Y	162	20.80	58, 76, 64
5	1750/2050	180	200	23.0	0.80/0.60	2110ACY	**D584**	$5,831	GO-2AS	Y	389	8.50	55, 74, 77

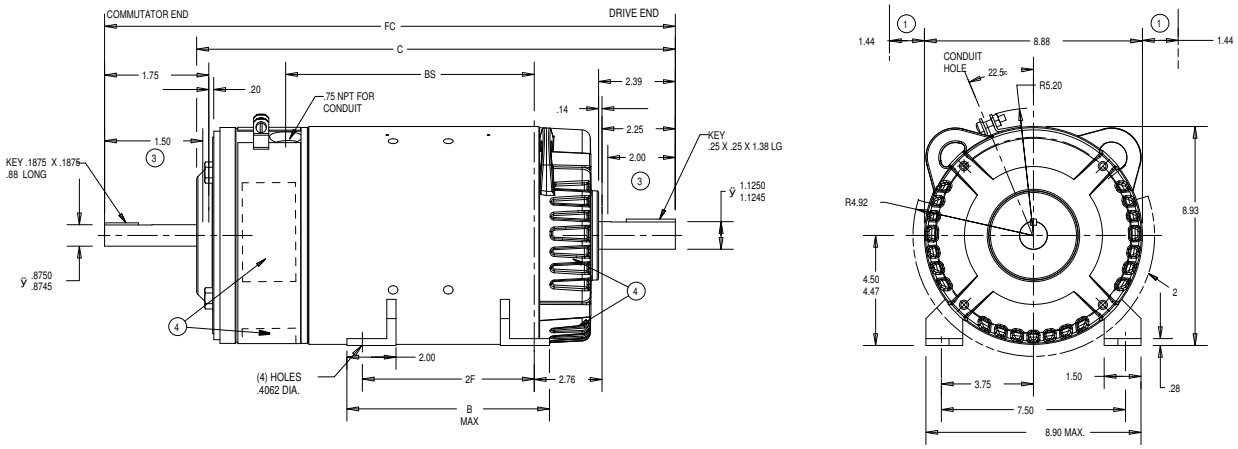
Notes:

55 TENV Construction
58 TEFC Construction
64 Suitable for constant torque to 60% of base speed
74 1.125" diameter shaft
76 Accessory mounting faces not available for TEFC CD180AT and CD210AT frames
77 8 1/2" C-face rabbet
78 4 1/2" C-face rabbet
88 Blower provided with filter

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DC Motors – Kinamatic™

Motor Dimensions
Type CD, Dripproof Fully Guarded and Totally Enclosed
Non-Ventilated, Frames L182AT to 189AT



Frame	Approx Wk2 of Arm. Lb. Ft.²	B	C	FC	2F	BS	Approx. Net. Wt. (lbs)
L182AT	0.28	5.80	15.26	16.51	4.5	6.63	83
186AT	0.45	8.30	16.76	18.01	7.0	8.13	105
L186AT	0.67	8.30	18.76	20.01	7.0	10.13	128
189AT	0.77	11.56	20.76	22.01	10.0	12.13	162

Notes:

1 Splashproof fully guarded machines will have additional covers, increasing the overall width at the commutator-end and drive-end side air openings

2 Dripproof, fully guarded vertical drive-end shaft down machines will have additional covers, increasing the overall width and exceeding bottom feet at the commutator-end openings

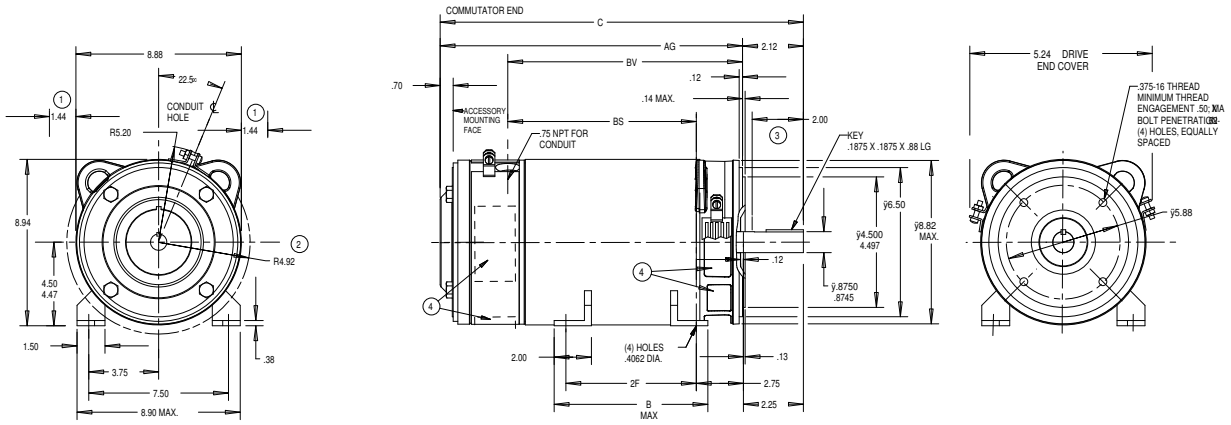
3 Represents minimum length of shaft available for hubs

4 Air opening. For enclosure type and mounting position, see enclosure and mounting assembly. Totally enclosed machines will not have openings or covers on drive-end.
The standard single shaft machine has the commutator end bearing bracket and shaft extension prepared to accept accessories. For additional information, see 36C697103AA.
For blower ventilated, blower can only be mounted on side of motor because there is no air opening at the top of the motor. The motor leads exit at the top of the motor.
Commutator-end shaft extension is furnished only when specifically ordered.
Shaft runout shall not exceed 0.002 inch total indicator reading.

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DC Motors – Kinamatic™

Motor Dimensions (cont.)
Type CD, Dripproof Fully Guarded and Totally Enclosed Non-Ventilated,
L182ACY to 189ACY 4 1/2" Type C Face Mounting with Feet



Frame	Approx Wk2 of Arm. Lb. Ft.²	B	C	2F	AG	BS	BV	Approx. Net. Wt. (lbs)
L182ACY	0.28	5.80	15.26	4.5	13.14	6.63	9.51	83
186ACY	0.45	8.30	16.76	7.0	14.64	8.13	11.01	105
L186ACY	0.67	8.30	18.76	7.0	16.64	10.13	13.01	128
189ACY	0.77	11.56	20.76	10.0	18.64	12.13	15.01	162

Notes:

1 Splashproof fully guarded machines will have additional covers, increasing the overall width at the commutator-end and drive-end side air openings

2 Dripproof, fully guarded vertical drive-end shaft down machines will have additional covers, increasing the overall width and exceeding bottom of mounting feet at the commutator-end openings.

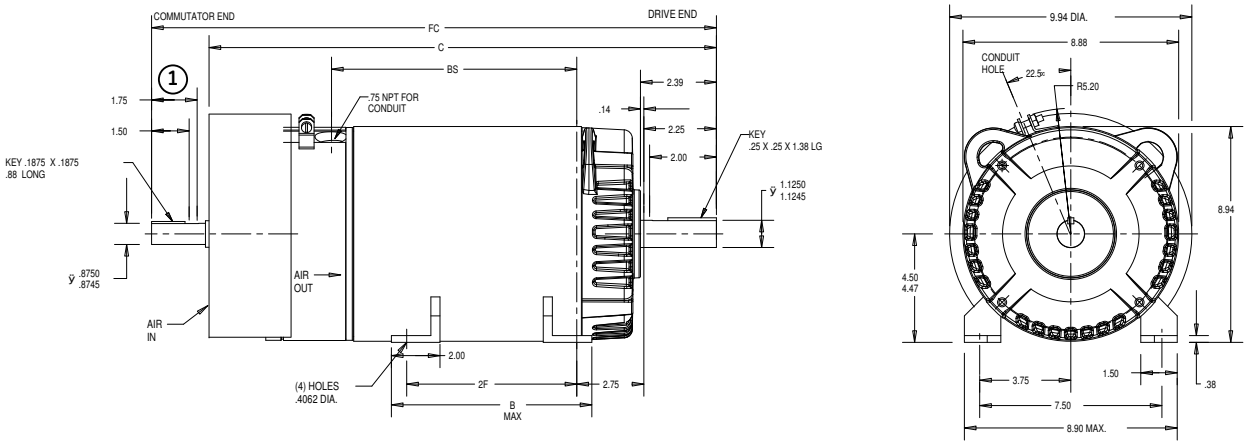
3 Represents minimum length of shaft available for hubs.

4 Air opening. For enclosure type and mounting position, see enclosure and mounting assembly. Totally enclosed machines will not have openings or covers on drive-end.
Mounting face will be square and rabbet diameter concentric with shaft within .004 inch total indicator reading. Shaft runout not to exceed .002 inch total indicator reading.
Feet will be supplied unless otherwise specified.
The standard single shaft machine has the commutator-end bearing bracket and shaft extension prepared to accept accessories. For additional information, see 36C697103AA.

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DC Motors – Kinamatic™

Motor Dimensions (cont.)
Type CD, Dripproof Fully Guarded and Totally Enclosed Non-ventilated,
Frames L182ACY to 189ACY 4 1/2" Type C-Face Mounting with Feet



Frame	Approx Wk2 of Arm. Lb. Ft.^{2}	B	C	FC	2F	BS	Approx. Net. Wt. (lbs)
L182ATC	0.28	5.80	17.45	19.47	4.5	6.63	83
186ATC	0.45	8.30	18.95	20.97	7.0	8.13	105
L186ATC	0.67	8.30	20.95	22.97	7.0	10.13	128
189ATC	0.77	11.56	22.95	24.97	10.0	12.13	165

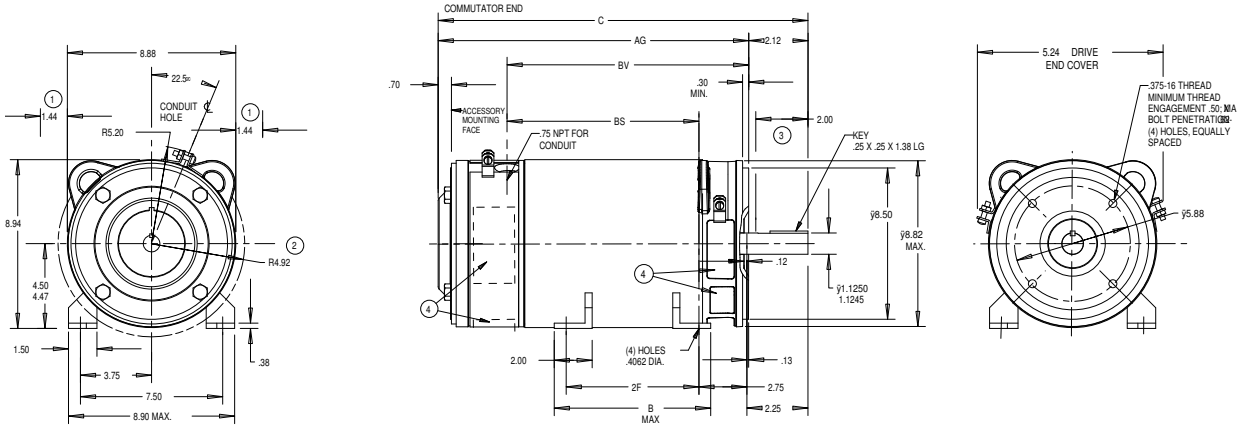
Notes:

1 Represents minimum length of shaft available for hubs
For mounting position see enclosure and mounting assembly
Shaft runout shall not exceed .002 inch total indicator reading
Commutator end-shaft extension is furnished only when specifically ordered

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DC Motors – Kinamatic™

Motor Dimensions (cont.)
Type CD, Dripproof Fully Guarded and Totally Enclosed Non-ventilated, Frames L182ATC to 189 ATC 8 1/2" Type C Face Mounting with Feet



Frame	Approx Wk2 of Arm. Lb. Ft.^{2}	B	C	FC	2F	BS	BV
L182ATC	0.28	5.80	15.26	16.51	4.5	6.63	9.51
186ATC	0.45	8.30	16.76	18.01	7.0	8.13	11.01
L186ATC	0.67	8.30	18.76	20.01	7.0	10.13	13.01
189ATC	0.77	11.56	20.76	22.01	10.0	12.13	15.01

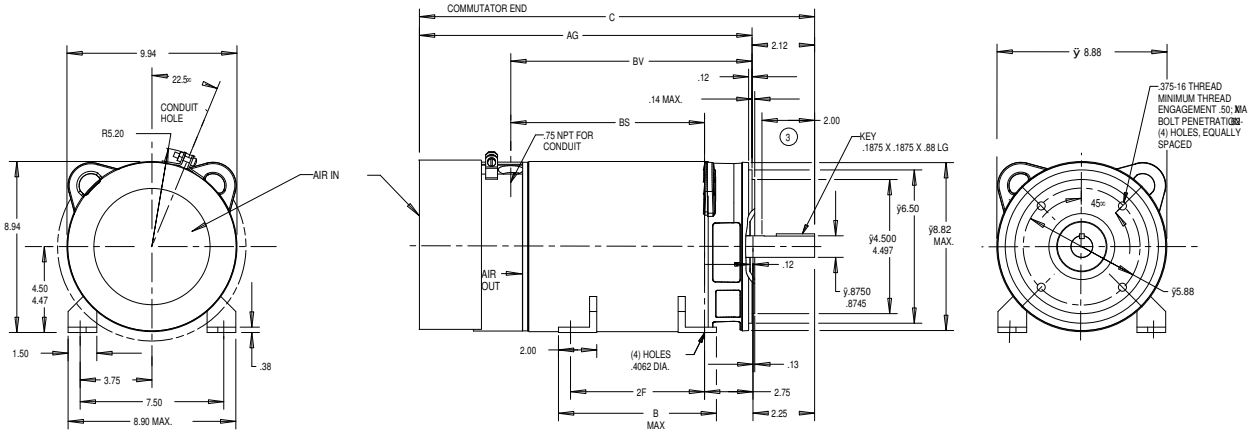
Notes:

1 Splashproof fully guarded machines will have additional covers, increasing the overall width at the commutator-end and drive-end side air openings
2 Dripproof, fully guarded vertical drive-end shaft down machines will have additional covers, increasing the overall width and exceeding bottom of mounting feet at the commutator-end openings.
3 Represents minimum length of shaft available for hubs.
4 Air opening. For enclosure type and mounting position, see enclosure and mounting assembly. Totally enclosed machines will not have openings or covers on drive-end.
Mounting face will be square and rabbet diameter concentric with shaft within .004 inch total indicator reading. Shaft runout not to exceed .002 inch total indicator reading.
Feet will be supplied unless otherwise specified.
The standard single shaft machine has the commutator-end bearing bracket and shaft extension prepared to accept accessories. For additional information, see 36C697103AA.

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DC Motors – Kinamatic™

Motor Dimensions (cont.)
Type CD, Totally Enclosed Fan Cooled, Frames L182ACY to 189 ACY 4 1/2" Type C-Face Mounting with Feet



Frame	Approx Wk2 of Arm. Lb. Ft.²	B	C	2F	AG	BS	BV	Approx. Net. Wt. (lbs)
L182ACY	0.28	5.80	17.45	4.5	15.33	6.63	9.51	83
186ACY	0.45	8.30	18.95	7.0	16.83	8.13	11.01	105
L186ACY	0.67	8.30	20.95	7.0	18.83	10.13	13.01	128
189ACY	0.77	11.56	22.95	10.0	20.83	12.13	15.01	165

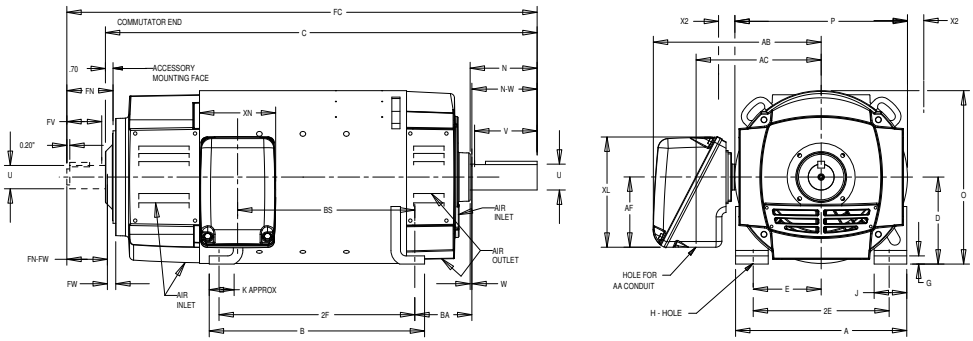
Notes:

3 Represents minimum length of shaft available for hubs
For mounting position see enclosure and mounting assembly
Mounting face will be square and rabbet diameter concentric with shaft within .004 inch total indicator
Feet will be supplied unless otherwise specified

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DC Motors – Kinamatic™

Motor Dimensions (cont.)
Type CD, Dripproof Fully Guarded Splashproof, Totally Enclosed Non-ventilated, Frames 218AT to 329AT with Feet*



Frames	Approx Net Wt. (lbs)	Approx Wk2 of Arm Lb. Ft.²	Drive End Key			Commutator End Key			Dimensions in Inches									
			Width	Thick	Length ±.03	Width	Thick	Length ±.03	A Max	B Max	C	D[1]	E	2F	G	H	J	K
218AT	234	1.35	0.3125	0.3125	1.75	0.2500	0.2500	1.00	10.40	11.56	24.22	5.25	4.25	10.0	0.50	0.4062	2.00	2.2
219AT	252	1.49	0.3125	0.3125	1.75	0.2500	0.2500	1.00	10.40	12.56	25.22	5.25	4.25	11.0	0.50	0.4062	2.00	2.2
2110AT	580	1.17	0.3125	0.3125	1.75	0.2500	0.2500	1.00	10.40	14.06	26.72	5.25	4.25	12.5	0.50	0.4062	2.00	2.2
258AT	361	2.91	0.3750	0.3750	2.25	0.3125	0.3125	1.50	12.40	14.06	27.14	6.25	5.00	12.5	0.62	0.5312	2.25	2.0
259AT	403	3.31	0.3750	0.3750	2.25	0.3125	0.3125	1.50	12.40	15.56	28.76	6.25	5.00	14.0	0.62	0.5312	2.25	2.0
287AT	493	4.67	0.5000	0.5000	2.25	0.3750	0.3750	2.00	13.88	14.16	30.98	7.00	5.50	12.5	0.64	0.5312	2.50	2.0
288AT	548	5.36	0.5000	0.5000	2.50	0.3750	0.3750	2.00	13.88	15.66	32.72	7.00	5.50	14.0	0.64	0.5312	2.50	2.0
327AT	691	8.45	0.5000	0.5000	2.50	0.5000	0.5000	2.25	15.88	15.96	33.44	8.00	6.25	14.0	0.75	0.6562	3.00	2.3
328AT	769	9.67	0.5000	0.5000	3.00	0.5000	0.5000	2.25	15.88	17.96	35.32	8.00	6.25	16.0	0.75	0.6562	3.00	2.3
329AT	888	11.40	0.5000	0.5000	3.00	0.5000	0.5000	2.25	15.88	19.96	37.94	8.00	6.25	18.0	0.75	0.6562	3.00	2.3

Frame Size	Dimensions in Inches														
	AA=1.25					AA=2.00					AA=3.00				
	AB	AC	AF	XL	XN	AB	AC	AF	XL	XN	AB	AC	AF	XL	XN
210AT	9.62	7.56	3.62	5.94	4.38	11.48	8.92	4.62	7.38	5.38	Not Available				
250AT	10.62	8.58	3.62	5.94	4.38	11.74	9.18	4.62	7.38	5.38					
280AT	11.34	9.28	3.62	5.94	4.38	12.46	9.90	4.62	7.38	5.38	14.90	11.28	6.62	10.50	8.56
320AT	Not Available					13.44	10.88	4.62	7.38	5.38	15.12	11.50	6.62	10.50	8.56

Frame	Dimensions in Inches																
	N	O	P	U[4]	V[3]	W	N-W	BA	FC	FN	FU[4]	FV[3]	FW	FN-FW	BS	XZ[2]
218AT	2.91	10.46	10.42	1.38	2.5	0.16	2.75	3.50	25.97	2.45	1.125	2.0	0.2	2.25	8.36	1.5
219AT	2.91	10.46	10.42	1.38	2.5	0.16	2.75	3.50	26.97	2.45	1.125	2.0	0.2	2.25	9.36	1.5
2110AT	2.91	10.46	10.42	1.38	2.5	0.16	2.75	3.50	28.47	2.45	1.125	2.0	0.2	2.25	10.87	1.5
258AT	3.41	12.46	12.42	1.63	3.0	0.16	3.25	4.25	29.39	2.95	1.375	2.5	0.2	2.75	9.65	1.5
259AT	3.41	12.46	12.42	1.63	3.0	0.16	3.25	4.25	31.01	2.95	1.375	2.5	0.2	2.75	11.26	1.5
287AT	3.91	13.94	13.88	1.88	3.5	0.16	3.75	4.75	33.75	3.45	1.625	3.0	0.2	3.25	10.89	1.5
288AT	3.91	13.94	13.88	1.88	3.5	0.16	3.75	4.75	35.47	3.45	1.625	3.0	0.2	3.25	12.62	1.5
327AT	4.41	15.94	15.88	2.13	4.0	0.16	4.25	5.25	36.69	3.95	1.875	3.5	0.2	3.75	11.80	1.5
328AT	4.41	15.94	15.88	2.13	4.0	0.16	4.25	5.25	38.57	3.95	1.875	3.5	0.2	3.75	13.68	1.5
329AT	4.41	15.94	15.88	2.13	4.0	0.16	4.25	5.25	41.19	3.95	1.875	3.5	0.2	3.75	16.30	1.5

Notes:

* Dripproof, fully guarded machines can be used for wall or ceiling mounting. Assembly modifications must be made to maintain proper enclosure.

1 Dimension "D" Will not be exceeded. When exact dimension is required, shims up to .03 inch may be necessary where dimension "D" is 8 inches or less. When dimension "D" is over 8 inches, shims up to .06 may be necessary.

2 Splashproof machines will have additional covers, increasing the overall width at the commutator-end and drive-end side cover openings

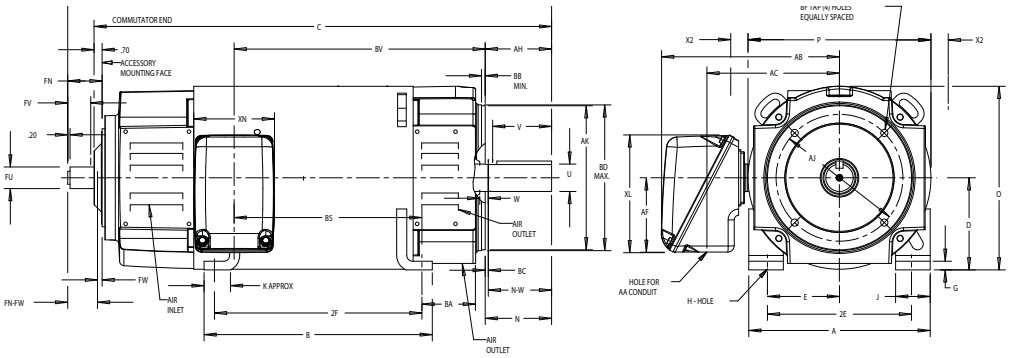
3 V represents minimum length of shaft available for hubs.

4 Shaft diameters 1.50 inches and smaller will come within the limits of +0.0000 inc -0.0005 inch. Diameters larger than 1.5 inches will come within the limits of +0.0000 inch -0.0010 inch. Shaft run-out on diameters 1.625 inches and smaller shall not exceed .002 inch indicator reading. Diameters larger than 1.625 inches shall not exceed .003 inch indicator reading. Conduit box will be assembled on the right hand side facing the commutator-end for motors and on the left hand side facing commutator-end for generators. Conduit box will be assembled on opposite side of frame if so specified. Conduit box may be turned so that entrance may be made upward, downward from commutator-end or drive-end. Dimensions pertaining to conduit boxes vary according to rating. Refer to GE Industrial Systems for dimensions. The standard single shaft matching has the commutator-end bearing bracket and shaft prepared to accept accessories. For additional information, see 36C697103AA. Commutator-end shaft extension is furnished only when specifically ordered, and is prepared for accessory drive.
For shipping weight add 15% to net weight

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DC Motors – Kinamatic™

Motor Dimensions (cont.)
Type CD, Dripproof Fully Guarded Splashproof, Totally Enclosed Non-ventilated*
Frames 218ATC to 329ATC with feet



Frames	Approx Net Wt. (lbs)	Approx Wk2 of Arm Lb. Ft.²	Drive End Key			Comm. End Key			Dimensions in Inches																
			Width	Thick	Length ±.03	Width	Thick	Length ±.03	A Max	B Max	C	D[1]	E	2F	G	H	J	K	N	O	P	U[4]	V[3]	W	N-W
218ATC	234	1.35	0.3125	0.3125	1.75	0.2500	0.2500	1.00	10.40	11.56	24.22	5.25	4.25	10.0	0.50	0.4062	2.00	2.2	2.97	10.46	10.42	1.375	2.5	0.22	2.75
219ATC	261	1.49	0.3125	0.3125	1.75	0.2500	0.2500	1.00	10.40	12.56	25.22	5.25	4.25	11.0	0.50	0.4062	2.00	2.2	2.97	10.46	10.42	1.375	2.5	0.22	2.75
2110ATC	389	1.71	0.3125	0.3125	1.75	0.2500	0.2500	1.00	10.40	14.06	26.72	5.25	4.25	12.5	0.50	0.4062	2.00	2.2	2.97	10.46	10.42	1.375	2.5	0.22	2.75
258ATC	378	2.91	0.3750	0.3750	2.25	0.3125	0.3125	1.50	12.40	14.06	27.14	6.25	5.00	12.5	0.62	0.5312	2.25	2.0	3.47	12.46	12.42	1.625	3.0	0.22	3.25
259ATC	420	3.31	0.3750	0.3750	2.25	0.3125	0.3125	1.50	12.40	15.56	28.76	6.25	5.00	14.0	0.62	0.5312	2.25	2.0	3.47	12.46	12.42	1.625	3.0	0.22	3.25
287ATC	522	4.67	0.5000	0.5000	2.50	0.3750	0.3750	2.00	13.88	14.16	30.98	7.00	5.50	12.5	0.64	0.5312	2.50	2.0	3.97	13.94	13.88	1.875	3.5	0.22	3.75
288ATC	577	5.36	0.5000	0.5000	2.50	0.3750	0.3750	2.00	13.88	15.66	32.72	7.00	5.50	14.0	0.64	0.5312	2.50	2.0	3.97	13.94	13.88	1.875	3.5	0.22	3.75
327ATC	720	8.45	0.5000	0.5000	3.00	0.5000	0.5000	2.25	15.88	15.96	33.44	8.00	6.25	14.0	0.75	0.6562	3.00	2.3	4.47	15.94	15.88	2.125	4.0	0.22	4.25
328ATC	798	9.67	0.5000	0.5000	3.00	0.5000	0.5000	2.25	15.88	17.96	35.32	8.00	6.25	16.0	0.75	0.6562	3.00	2.3	4.47	15.94	15.88	2.125	4.0	0.22	4.25
329ATC	917	11.40	0.5000	0.5000	3.00	0.5000	0.5000	2.25	15.88	19.96	37.94	8.00	6.25	18.0	0.75	0.6562	3.00	2.3	4.47	15.94	15.88	2.125	4.0	0.22	4.25

Frame Size	Dimensions in Inches														
	AA=1.25					AA=2.00					AA=3.00				
	AB	AC	AF	XL	XN	AB	AC	AF	XL	XN	AB	AC	AF	XL	XN
210ATC	9.62	7.56	3.62	5.94	4.38	11.48	8.92	4.62	7.38	5.38	Not Available				
250ATC	10.62	8.56	3.62	5.94	4.38	11.74	9.18	4.62	7.38	5.38					
280ATC	11.34	9.28	3.62	5.94	4.38	12.46	9.90	4.62	7.38	5.38	14.90	11.28	6.62	10.50	8.56
320ATC	Not Available					13.44	10.88	4.62	7.38	5.38	15.12	11.50	6.62	10.50	8.56

Frame	Dimensions in Inches																	
	BA	BB Min	FN	FU[4]	BC	BF Tap	BF Depth	FV[3]	FW	FN-FW	AH	AJ	AK	ZA[2]	BD Max	BV	BS	FC
218ATC	3.50	0.3	2.45	1.125	0.25	.500-13	1.00	2.0	0.2	2.25	1.125	7.25	8.5	1.5	9.00	12.11	8.36	25.97
219ATC	3.50	0.3	2.45	1.125	0.25	.500-13	1.00	2.0	0.2	2.25	1.125	7.25	8.5	1.5	9.00	13.11	9.36	26.97
2110ATC	3.50	0.3	2.45	1.125	0.25	.500-13	1.00	2.0	0.2	2.25	2.500	7.25	8.5	1.5	9.00	14.62	10.87	28.47
258ATC	4.25	0.3	2.95	1.375	0.24	.500-13	1.00	2.5	0.2	2.75	2.500	7.25	8.5	1.5	10.00	14.14	9.65	29.39
259ATC	4.25	0.3	2.95	1.375	0.24	.500-16	1.00	2.5	0.2	2.75	2.500	7.25	8.5	1.5	10.00	15.75	11.26	31.01
287ATC	4.75	0.3	3.45	1.625	0.24	.500-13	1.00	3.0	0.2	3.25	3.000	9.00	10.5	1.5	11.25	15.88	10.87	33.73
288ATC	4.75	0.3	3.45	1.625	0.24	.500-13	1.00	3.0	0.2	3.25	3.000	9.00	10.5	1.5	11.25	17.61	12.62	35.47
327ATC	5.25	0.3	3.95	1.875	0.24	.500-11	1.25	3.5	0.2	3.75	3.750	11.00	12.5	1.5	14.00	17.29	11.80	36.69
328ATC	5.25	0.3	3.95	1.875	0.24	.500-11	1.25	3.5	0.2	3.75	3.750	11.00	12.5	1.5	14.00	19.17	13.68	38.57
329ATC	5.25	0.3	3.95	1.875	0.24	.500-11	1.25	3.5	0.2	3.75	3.750	11.00	12.5	1.5	14.00	21.79	13.68	41.19

Notes:

* Dripproof, fully guarded machines can be used for wall or ceiling mounting. Assembly modifications must be made to maintain proper enclosure.

1 Dimension "D" Will not be exceeded. When exact dimension is required, shims up to .03 inch may be necessary where dimension "D" is 8 inches or less. When dimension "D" is over 8 inches, shims up to .06 may be necessary.

2 Splashproof machines will have additional covers, increasing the overall width at the commutator-end and drive-end side cover openings

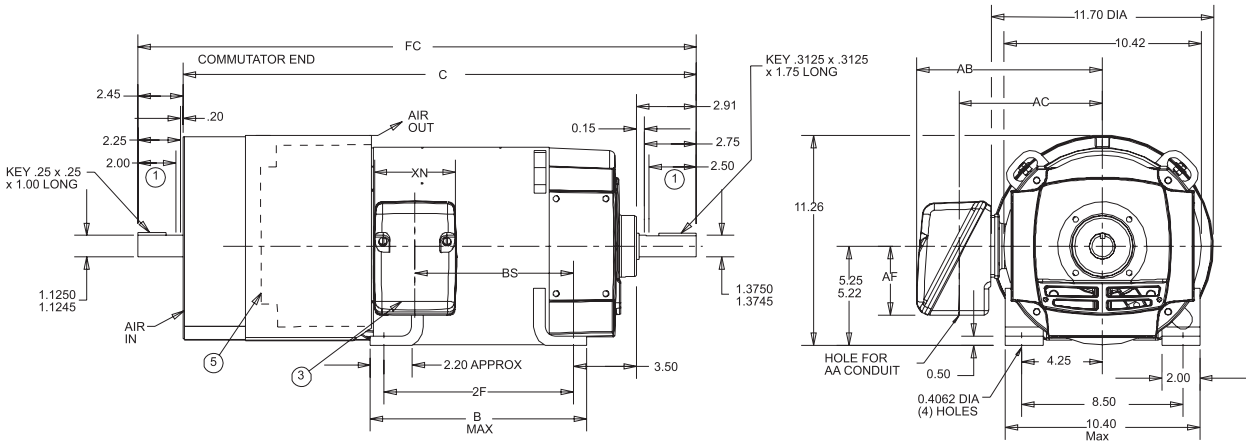
3 V represents minimum length of shaft available for hubs.

4 Shaft diameters 1.50 inches and smaller will come within the limits of +0.0000 inc -0.0005 inch. Diameters larger than 1.5 inches will come within the limits of +0.0000 inch -0.0010 inch. Shaft run-out on diameters 1.625 inches and smaller shall not exceed .002 inch indicator reading. Diameters larger than 1.625 inches shall not exceed .003 inch indicator reading. Conduit box will be assembled on the right hand side facing the commutator-end for motors and on the left hand side facing commutator-end for generators. Conduit box will be assembled on opposite side of frame if so specified. Conduit box may be turned so that entrance may be made upward, downward from commutator-end or drive-end. Dimensions pertaining to conduit boxes vary according to rating. Refer to GE Industrial Systems for dimensions. The standard single shaft matching has the commutator-end bearing bracket and shaft prepared to accept accessories. For additional information, see 36C697103AA. Commutator-end shaft extension is furnished only when specifically ordered, and is prepared for accessory drive.
For shipping weight add 15% to net weight

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DC Motors – Kinamatic™

Motor Dimensions (cont.)
Type CD, Totally Enclosed Fan Cooled, Frames 218AT to 2110AT with Feet



Frame	B	C	FC	2F	BS	Approx Net. Wt. (lbs)
218AT	11.56	26.82	29.34	10.00	8.36	241
219AT	12.56	27.82	30.34	11.00	9.36	259
2110AT	14.06	29.32	31.84	12.50	10.87	287

Conduit Box Dimensions

AA	AB	AC	AF	XL	XN
1.25	9.62	7.56	3.62	5.94	4.38
2.00	11.48	8.92	4.62	7.38	5.38

Notes:

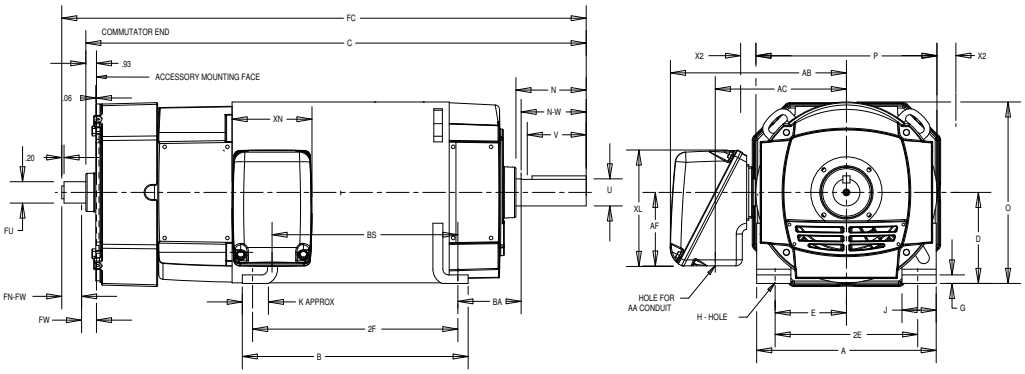
1 Represents minimum length of shaft available for hubs
2 Machine can be used for wall or ceiling mounting
3 Conduit box may be turned so that entrance can be made upward, downward, from commutator-end or drive-end, providing mounting conditions permit. Conduit box will be assembled on opposite side of frame, if so specified. Dimensions pertaining to conduit boxes vary according to rating.
4 Shaft run-out shall no exceed 0.002 inch total indicator reading on drive-end
5 Shroud is removable to permit access to hand-hole covers
6 Commutator end-shaft extension is furnished only when specifically ordered
7 For shipping weight, add 15% to net weight

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DC Motors – Kinamatic™

Motor Dimensions (cont.)

Type CD, Totally Enclosed Fan Cooled, Frames 285AT to 328AT with Feet



Frame	Approx Net Wt. (lbs)	Approx Wk2 of Arm Lb. Ft.²	Drive End Key			Commutator End Key			Dimensions in Inches									
			Width	Thick	Length ±.03	Width	Thick	Length ±.03	A Max	B Max	C	D[1]	E	2F	G	H	J	K
258AT	397	3.17	0.375	0.375	2.25	0.3125	0.3125	1.50	12.40	14.06	30.32	6.25	5.00	12.5	0.62	0.5312	2.25	2.0
259AT	442	3.57	0.375	0.375	2.25	0.3125	0.3125	1.50	12.40	15.56	31.94	6.25	5.00	14.0	0.62	0.5312	2.25	2.0
287AT	532	5.09	0.500	0.500	2.50	0.3750	0.3750	2.00	13.88	14.16	34.66	7.00	5.50	12.5	0.64	0.5312	2.50	2.0
288AT	587	5.78	0.500	0.500	2.50	0.3750	0.3750	2.00	13.88	15.66	36.40	7.00	5.50	14.0	0.64	0.5312	2.50	2.0
327AT	732	9.20	0.500	0.500	3.00	0.5000	0.5000	2.25	15.88	15.96	37.62	8.00	6.25	14.0	0.75	0.6562	3.00	2.3
328AT	812	10.42	0.500	0.500	3.00	0.5000	0.5000	2.25	15.88	17.96	39.50	8.00	6.25	16.0	0.75	0.6562	3.00	2.3

Frame	Dimensions in Inches															
	N	O	P	U[3]	V[2]	W	N-W	BA	FC	FN	FU[3]	FV[2]	FW	FN-FW	BS	XP
258AT	3.41	12.75	13.00	1.625	3.0	0.16	3.25	4.25	32.64	3.25	1.375	2.5	0.5	2.75	9.65	12.42
259AT	3.41	12.75	13.00	1.625	3.0	0.16	3.25	4.25	34.26	3.25	1.375	2.5	0.5	2.75	11.26	12.42
287AT	3.91	14.25	14.52	1.875	3.5	0.16	3.75	4.75	37.48	3.75	1.625	3.0	0.5	3.25	10.89	13.88
288AT	3.91	14.25	14.52	1.875	3.5	0.16	3.75	4.75	39.22	3.75	1.625	3.0	0.5	3.25	12.62	13.88
327AT	4.41	16.25	16.52	2.125	4.0	0.16	4.25	5.25	40.94	4.25	1.875	3.5	0.5	3.75	11.80	15.88
328AT	4.41	16.25	16.52	2.125	4.0	0.16	4.25	5.25	42.82	4.25	1.875	3.5	0.5	3.75	13.68	15.88

Frame Size	Dimensions in Inches														
	AA=1.25					AA=2.00					AA=3.00				
	AB	AC	AF	XL	XN	AB	AC	AF	XL	XN	AB	AC	AF	XL	XN
210AT	9.62	7.56	3.62	5.94	4.38	11.48	8.92	4.62	7.38	5.38	Not Available				
250AT	10.62	8.56	3.62	5.94	4.38	11.74	9.18	4.62	7.38	5.38					
280AT	11.34	9.28	3.62	5.94	4.38	12.46	9.90	4.62	7.38	5.38	14.90	11.28	6.62	10.50	8.56
320AT	Not Available					13.44	10.88	4.62	7.38	5.38	15.12	11.50	6.62	10.50	8.56

Notes:

1 Dimension "D" Will not be exceeded. When exact dimension is required, shims up to .03 inch may be necessary where dimension "D" is 8 inches or less. When dimension "D" is over 8", shims up to .06 may be necessary.

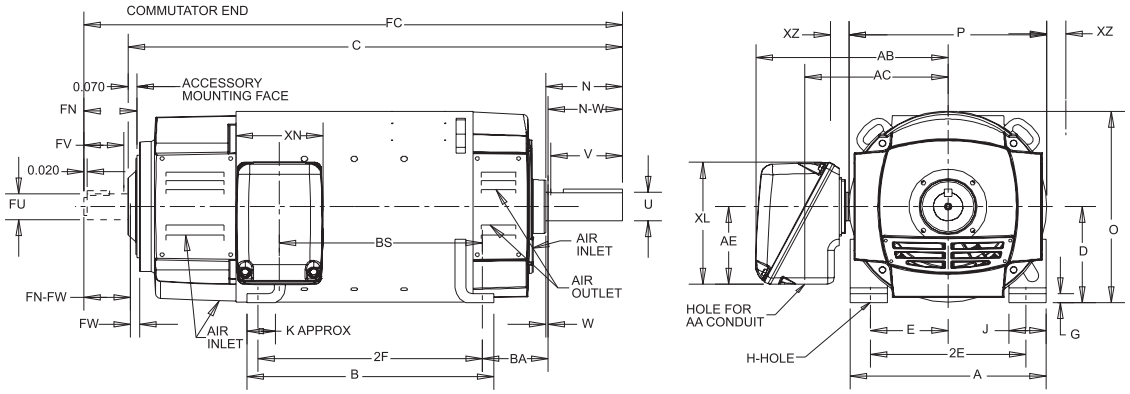
2 V represents minimum length of shaft available for hubs.
Machine can be used for wall or ceiling mounting. Conduit box will be assembled on the right hand side facing the commutator-end for motors and on the left hand side facing commutator-end for generators. Conduit box will be assembled on opposite side of frame if so specified. Conduit box may be turned so that entrance may be made upward, downward from commutator-end or drive-end. Dimensions pertaining to conduit boxes vary according to rating.
Refer to GE Industrial Systems for dimensions.

3 Shaft diameters 1.50 inches and smaller will come within the limits of +0.0000 inch -0.0005 inch. Diameters larger than 1.5 inches will come within the limits of +0.0000 inch -0.0010 inch.
Shaft run-out on diameters 1.625 inches and smaller shall not exceed .002 inch indicator reading. Diameters larger than 1.625 inches shall not exceed .003 inch indicator reading.
Commutator-end shaft extension is furnished only when specifically ordered, and is prepared for accessory drive.
For shipping weight, add 15% to net weight.
When commutator-end shaft is not furnished, shaft and fan shroud on the commutator-end is prepared for shaft driven accessories. Refer to 36C697103BA for dimensions.

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DC Motors – Kinamatic™

Motor Dimensions (cont.)
Type CD, Dripproof Fully Guarded, Splashproof, Totally Enclosed Non-ventilated*
Frames 365AT to 5010AY with Feet



Frames	Approx Net Wt. (lbs)	Approx Wk2 of Arm Lb. Ft.²	Drive End Key		Commutator End Key			Dimensions in Inches											
			Width	Thick	Length ±.03	Width	Thick	Length ±.03	A Max	B Max	C	D[1]	E	2F	G	H	J	K	N
365AT	750	15.61	0.625	0.625	3.50	0.500	0.500	3.00	17.92	14.16	33.70	9.0	7	12.25	0.74	0.8125	3.26	2.31	4.92
366AT	860	18.27	0.625	0.625	3.50	0.500	0.500	3.00	17.92	15.90	35.90	9.0	7	14.00	0.74	0.8125	3.26	2.31	4.92
368AT	1020	22.21	0.625	0.625	3.50	0.500	0.500	3.00	17.92	19.90	38.90	9.0	7	18.00	0.74	0.8125	3.26	2.31	4.92
407AT	1300	35.47	0.625	0.625	4.00	0.625	0.625	3.50	20.00	20.16	40.12	10.0	8	18.00	0.86	0.9375	4.00	2.38	5.42
L407AT	1350	35.54	0.625	0.625	4.00	0.625	0.625	3.50	20.00	20.16	43.52	10.0	8	18.00	0.86	0.9375	4.00	2.38	5.42
409AT	1600	43.81	0.625	0.625	4.00	0.625	0.625	3.50	20.00	24.16	44.62	10.0	8	22.00	0.86	0.9375	4.00	2.38	5.42
L409AT	1650	43.88	0.625	0.625	4.00	0.625	0.625	3.50	20.00	24.16	48.02	10.0	8	22.00	0.86	0.9375	4.00	2.38	5.42
504AT	1900	79.10	0.750	0.750	5.25	0.750	0.750	4.50	24.92	18.96	45.74	12.5	10	16.00	1.11	1.1875	4.50	3.00	6.67
L504AT	2070	79.15	0.750	0.750	5.25	0.750	0.750	4.50	24.92	18.96	47.50	12.5	10	16.00	1.11	1.1875	4.50	3.00	6.67
506AT	2290	98.76	0.750	0.750	5.25	0.750	0.750	4.50	24.92	22.96	49.74	12.5	10	20.00	1.11	1.1875	4.50	3.00	6.67
L506AT	2440	98.81	0.750	0.750	5.25	0.750	0.750	4.50	24.92	22.96	51.50	12.5	10	20.00	1.11	1.1875	4.50	3.00	6.67
508AT	2810	121.87	0.750	0.750	5.25	0.750	0.750	4.50	24.92	27.96	54.74	12.5	10	25.00	1.11	1.1875	4.50	3.00	6.67
L508AT	2970	122.92	0.750	0.750	5.25	0.750	0.750	4.50	24.92	27.96	56.50	12.5	10	25.00	1.11	1.1875	4.50	3.00	6.67
5010AY	4260	157.28	1.000	1.000	6.50	0.750	0.750	5.25	24.92	34.88	65.49	12.5	10	32.00	1.11	1.1875	4.50	3.00	8.42

Frame Size	Dimensions continued (For Conduit Box Dimensions, refer to publication GEP-387K, Page 124)														BS			XZ[2]
	O	P	U[3]	V[4]	W	N-W	BA	FC	FN	FU[3]	FV[4]	FW	FN-FW	AA= 3"	AA= 4"	AA= (2) 4"	AA= Blank	
365AT	17.91	17.90	2.375	4.50	0.17	4.75	5.875	37.45	4.45	2.125	4.00	0.2	4.25	9.02	9.02	6.64	-	0.25
366AT	17.91	17.90	2.375	4.50	0.17	4.75	5.875	39.65	4.45	2.125	4.00	0.2	4.25	11.22	11.22	8.84	-	0.25
368AT	17.91	17.90	2.375	4.50	0.17	4.75	5.875	32.65	4.45	2.125	4.00	0.2	4.25	14.22	14.22	11.84	-	0.25
407AT	20.15	20.38	2.625	5.00	0.17	5.25	6.625	44.37	4.95	2.375	4.50	0.2	4.75	15.18	15.18	12.80	12.80	-
L407AT	20.15	20.38	2.625	5.00	0.17	5.25	6.625	47.77	4.95	2.375	4.50	0.2	4.75	15.18	15.18	12.80	12.80	-
409AT	20.15	20.38	2.625	5.00	0.17	5.25	6.625	48.87	4.95	2.375	4.50	0.2	4.75	19.68	19.68	17.30	17.30	-
L409AT	20.15	20.38	2.625	5.00	0.17	5.25	6.625	52.27	4.95	2.375	4.50	0.2	4.75	19.68	19.68	17.30	17.30	-
504AT	25.15	25.38	3.250	6.25	0.17	6.50	8.500	50.99	5.95	2.875	5.50	0.2	5.75	-	13.26	10.88	10.88	-
L504AT	25.15	25.38	3.250	6.25	0.17	6.50	8.500	52.75	5.95	2.875	5.50	0.2	5.75	-	-	-	11.16	-
506AT	25.15	25.38	3.250	6.25	0.17	6.50	8.500	54.99	5.95	2.875	5.50	0.2	5.75	-	17.26	14.88	14.88	-
L506AT	25.15	25.38	3.250	6.25	0.17	6.50	8.500	56.75	5.95	2.875	5.50	0.2	5.75	-	-	-	15.16	-
508AT	25.15	25.38	3.250	6.25	0.17	6.50	8.500	59.99	5.95	2.875	5.50	0.2	5.75	-	22.26	19.88	19.88	-
L508AT	25.15	25.38	3.250	6.25	0.17	6.50	8.500	61.75	5.95	2.875	5.50	0.2	5.75	-	-	-	20.16	-
5010AY	25.17	25.38	4.125	8.00	0.17	8.25	8.500	71.49	6.70	3.250	6.25	0.2	6.50	-	31.26	28.88	28.88	-

Notes:

* Dripproof, fully guarded machines can be used for wall or ceiling mounting. Assembly modifications must be made to maintain proper enclosure.

1 Dimension "D" Will not be exceeded. When exact dimension is required, shims up to .03 inch may be necessary where dimension "D" is 8 inches or less. When dimension "D" is over 8 inches, shims up to .06 may be necessary.

2 Splashproof machines will have additional covers, increasing the overall width at the commutator-end and drive-end side cover openings

3 V represents minimum length of shaft available for hubs.

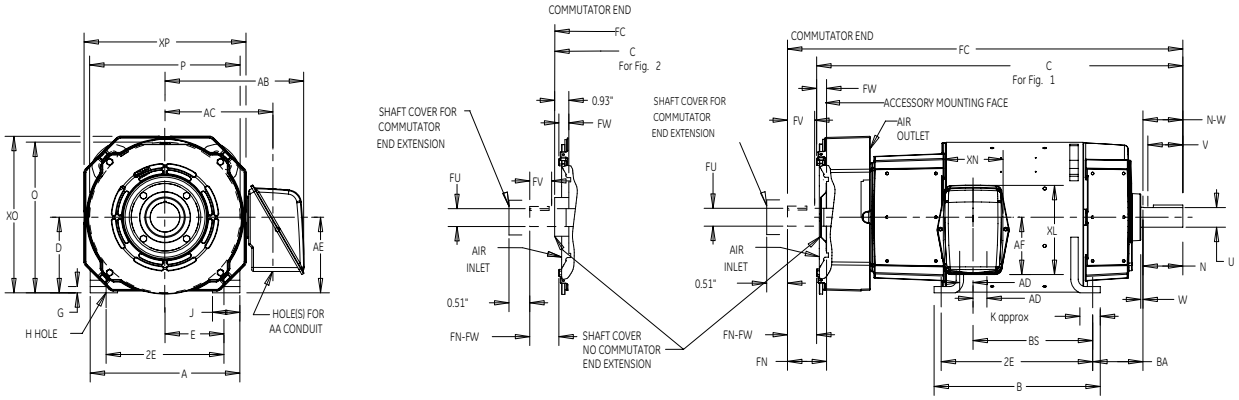
4 Shaft diameters 1.50 inches and smaller will come within the limits of +0.0000 inc -0.0005 inch. Diameters larger than 1.5 inches will come within the limits of +0.0000 inch -0.0010 inch. Shaft run-out on diameters 1.625 inches and smaller shall not exceed .002 inch indicator reading. Diameters larger than 1.625 inches shall not exceed .003 inch indicator reading. Conduit box will be assembled on the right hand side facing the commutator-end for motors and on the left hand side facing commutator-end for generators. Conduit box will be assembled on opposite side of frame if so specified. Conduit box may be turned so that entrance may be made upward, downward from commutator-end or drive-end. Dimensions pertaining to conduit boxes vary according to rating. Refer to GE Industrial Systems for dimensions. The standard single shaft matching has the commutator-end bearing bracket and shaft prepared to accept accessories. For additional information, see 36C697103AA. Commutator-end shaft extension is furnished only when specifically ordered, and is prepared for accessory drive.
For shipping weight add 15% to net weight

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DC Motors – Kinamatic™

Motor Dimensions (cont.)

Type CD, Totally Enclosed Fan Cooled Frames 365AT to L409AT with Feet



Frames	See Fig. No.	Approx Net Wt. (lbs)	Approx Wk2 of Arm Lb. Ft.²	Drive End Key			Commutator End Key			Dimensions in Inches										
				Width	Thick	Length ±.03	Width	Thick	Length ±.03	A Max	B Max	C	D[1]	E	2F	G	H	J	K	N
365AT	1	830	15.61	0.625	0.625	3.5	0.500	0.500	3.0	17.92	14.16	38.22	9.0	7.0	12.25	0.74	0.8125	3.26	2.31	4.92
366AT	1	940	18.27	0.625	0.625	3.5	0.500	0.500	3.0	17.92	15.90	40.42	9.0	7.0	14.00	0.74	0.8125	3.26	2.31	4.92
368AT	1	1100	22.21	0.625	0.625	3.5	0.500	0.500	3.0	17.92	19.90	43.42	9.0	7.0	18.00	0.74	0.8125	3.26	2.31	4.92
407AT	2	1380	35.47	0.625	0.625	4.0	0.625	0.625	3.5	20.00	20.16	44.90	10.0	8.0	18.00	0.86	0.9375	4.00	2.38	5.42
L407AT	2	1430	35.54	0.625	0.625	4.0	0.625	0.625	3.5	20.00	20.16	48.30	10.0	8.0	18.00	0.86	0.9375	4.00	2.38	5.42
409AT	2	1680	43.81	0.625	0.625	4.0	0.625	0.625	3.5	20.00	24.16	49.40	10.0	8.0	22.00	0.86	0.9375	4.00	2.38	5.42
L409AT	2	1730	43.88	0.625	0.625	4.0	0.625	0.625	3.5	20.00	24.16	52.80	10.0	8.0	22.00	0.86	0.9375	4.00	2.38	5.42

Frame Size	See Fig. No.	Dimensions continued (For Conduit Box Dimensions, refer to publication GEP-387K, Page 124)															BS			
		O	P	U[2]	V[3]	W	N-W	BA	FC	FN	FU[2]	FV[3]	FW	FN-FW	XO	XP	AA= 3"	AA= 4"	AA= (2) 4"	AA= Blank
365AT	1	17.91	17.90	2.375	4.5	0.17	4.75	5.875	42.47	5.42	2.125	4.0	1.17	4.25	18.62	19.24	9.02	9.02	6.64	-
366AT	1	17.91	17.90	2.375	4.5	0.17	4.75	5.875	44.67	5.42	2.125	4.0	1.17	4.25	18.62	19.24	11.22	11.22	8.84	-
368AT	1	17.91	17.90	2.375	4.5	0.17	4.75	5.875	47.67	5.42	2.125	4.0	1.17	4.25	18.62	19.24	14.22	14.22	11.84	-
407AT	2	20.15	20.38	2.625	5.0	0.17	5.25	6.625	49.39	5.42	2.375	4.5	0.67	4.75	19.62	19.24	15.18	15.18	12.80	12.8
L407AT	2	20.15	20.38	2.625	5.0	0.17	5.25	6.625	52.79	5.42	2.375	4.5	0.67	4.75	19.62	19.24	15.18	15.18	12.80	12.8
409AT	2	20.15	20.38	2.625	5.0	0.17	5.25	6.625	53.89	5.42	2.375	4.5	0.67	4.75	19.62	19.24	19.68	19.68	17.30	17.3
L409AT	2	20.15	20.38	2.625	5.0	0.17	5.25	6.625	57.29	5.42	2.375	4.5	0.67	4.75	19.62	19.24	19.68	19.68	17.30	17.3

Frame	13.38 X 13.31 AA = Blank, Available Drill Space				
	AB	AE	AF	XL	XN
360AT	Not Available				
400AT	24.76	12.95	6.75	13.50	13.50

Frame	Dimensions in Inches																		
	AA = 3						AA = 4						AA= (2) 4						
	AB	AC	AE	AF	XL	XN	AB	AC	AE	AF	XL	XN	AB	AC	AD	AE	AF	XL	XN
360AT	16.08	12.33	9.00	6.44	10.12	7.00	17.82	13.20	9.00	8.50	13.50	8.62	18.72	14.97	3.00	9.00	6.75	13.50	13.50
400AT	17.47	13.72	12.92	6.44	10.12	7.00	19.22	14.60	12.95	8.50	13.50	8.62	20.12	16.37	3.00	12.95	6.75	13.50	13.50

Notes:

Machine can be used for wall or ceiling mounting.

1 Dimension "D" will not be exceeded. When exact dimension is required, shims up to .06 may be necessary.

2 Shaft diameters come within the limits of +0.0000 inch -0.0010 inch. Runout of shaft diameters shall not exceed 0.003 inch total indicator reading.

3 V represents minimum length of shaft available for hubs.
Commutator-end shaft extension is furnished only when specifically ordered, and is prepared for accessory drive.
When commutator-end shaft extension is not furnished, shaft and fan shroud on commutator-end is prepared for shaft driven accessories. Refer to 36C697103AA for dimensions.
Conduit box will be assembled on the right hand side facing the commutator-end for motors and on the left hand side facing commutator-end for generators. Conduit box will be assembled on opposite side of frame if so specified. Conduit box may be turned so that entrance may be made upward, downward from commutator-end or drive-end. Dimensions pertaining to conduit boxes vary according to rating.

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DC Motors – Kinamatic™

Kits and Accessories

K-3 Series

Cat. No.	When used	List Price	Price Symbol
A565	Less Tach	$370	GO-2SK3

Type CD

Blower Kits
Blower kits are designed for standard mounting on the motor commutator end and for addition only to Dripproof Fully Guarded (DPFG) or Dripproof Fully Guarded - Separately Ventilated (DPFG-BV) motors. Blower motors are 230/460 Volts AC, 3 phase, 60 Hertz. To properly mount blower kits on CD180AT frames, drilling and tapping three holes is required. For other applications, refer to factory.

Blower with Filter

Cat. No.	Frame Size	List Price	Price Symbol
A688	CD218AT-CD2110AT	$1,342	GO-2KITS
A689	CD258AT-CD259AT	$1,250	GO-2KITS
A690	CD287AT-CD288AT	$1,530	GO-2KITS
A691	CD327AT-CD328AT	$1,805	GO-2KITS
A692	CD365AT-CD368AT	$1,504	GO-2KITS
A693	CD407AT-CD409AT	$1,517	GO-2KITS
A695	CD504AT-CD5010AY	$3,024	GO-2KITS
A687	CDL182AT-CD188AT	$1,337	GO-2KITS
A694	CDL407AT-CDL409AT	$1,815	GO-2KITS

C-Face Endshield Kits
C-Face endshield kits are designed for mounting on the Fully Guarded or Totally Enclosed Non-Ventilated motors, but requires machine disassembly by a qualified service facility.

Cat. No.	Frame Size	List Price	Price Symbol
A671	CD218AT-CD2110AT	$425	GO-2KITS
A672	CD258AT-CD259AT	$492	GO-2KITS
A674	CD287AT-CD288AT	$730	GO-2KITS
A676	CD327AT-CD328AT	$621	GO-2KITS
A670	CDL182AT-CD188AT (DP)	$189	GO-2KITS

Lexon Covers
Two transparent covers are required to replace metal covers on the brush openings at the commutator. Each kit includes one cover.

Cat. No.	Frame Size	List Price	Price Symbol
A677	CD218AT-CD2110AT	$202	GO-2KITS
A678	CD258AT-CD259AT	$219	GO-2KITS
A680	CD287AT-CD288AT	$269	GO-2KITS
A682	CD327AT-CD328AT	$336	GO-2KITS
A683	CD365AT-CD368AT	$353	GO-2KITS
A683	CD407AT-CD409AT	$353	GO-2KITS
A684	CDL407AT-CDL409AT	$353	GO-2KITS
A685	CD504AT-CD5010AY	$386	GO-2KITS

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DC Motors – Kinamatic™

Kits and Accessories

Tachometers
The Type AN enclosure provides a compact construction for medium accuracy speed-indicating or speed-regulating application. The AN series tachometers can be furnished with either AC or digital output signal for speed regulation. For information on Type PY or Type BC tachometers, refer to the Tachometer Generator Section.

AN Series

Cat. No.	Frame Size	List Price	Price Symbol
A647	CD182AT-CD328AT	$2,382	GO-2KITS
A648	CD365AT-CD368AT	$1,820	GO-2KITS
A649	CD407AT-CD409AT	$2,604	GO-2KITS
A650	CD504AT-CD5010AY	$2,604	GO-2KITS

Tachometer Mounting Kits
Tachometer mounting kits are design for mounting on the accessory commutator end shaft extension of Fully Guarded or Totally Enclosed Kinamatic™ motors, with the exception of TEFC machines. Refer to factory for TEFC motors. This feature is optional on all CD180at frames. An accessory commutator end shaft extension is supplied on all CD210at-CD500AT frame motors and will accept a tachometer kit only if the shaft extension is currently not is use. Note: Type BC and Type PY tachometer must be ordered independently of the tachometer mounting kit.

Type BC Tachometer Mounting Kit

Cat. No.	Frame Size	List Price	Price Symbol
A641	CD182AT-CD328AT	$2,016	GO-2KITS
A642	CD365AT-CD368AT	$2,215	GO-2KITS
A643	CD407AT-CD5010AY	$2,518	GO-2KITS

Type PY Tachometer Mounting Kit

Cat. No.	Frame Size	List Price	Price Symbol
A644	CD182AT-CD328AT	$2,417	GO-2KITS
A645	CD365AT-CD368AT	$2,299	GO-2KITS
A646	CD407AT-CD409AT	$2,643	GO-2KITS
A686	CD504AT-CD5010AY	$1,708	GO-2KITS

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Mill Duty DC Motors – MD800

Standard Features



Introduction

Auxiliary mill motors are specifically designed for mill, crane and hoist service. They may be used advantageously for any application which requires a high ratio of peak to average load torques or where a motor is required to accelerate, decelerate or reverse rapidly under conditions of severe duty-cycle operation. Armored motors are designed to meet the standards established by the Association of Iron and Steel Technology (AIST)

HP Range	5–250
Frame Size	MD802 through MD818
Enclosures	Totally Enclosed and Forced Ventilated
Speed	Various
Voltage	230 Volt DC
Winding	Series, Shunt, and Compound
Time Ratings	Continuous, 30 minutes or 60 minutes
Frames	Horizontally split steel frame with lifting lugs
Shaft	Tapered and equal on DE and CE and replaceable without disturbing the windings
Ambient	40° C
Altitude	3300 feet
Insulation Class	H
Temperature Rise	75° C rise by thermometer or 110° C rise by resistance
Bearing Type	Single-width solid cylindrical roller bearing
Leads	Exit frame F2 configuration (conduit box not standard)
Warranty	24 months from date of purchase or 30 months from date of shipment, whichever occurs first

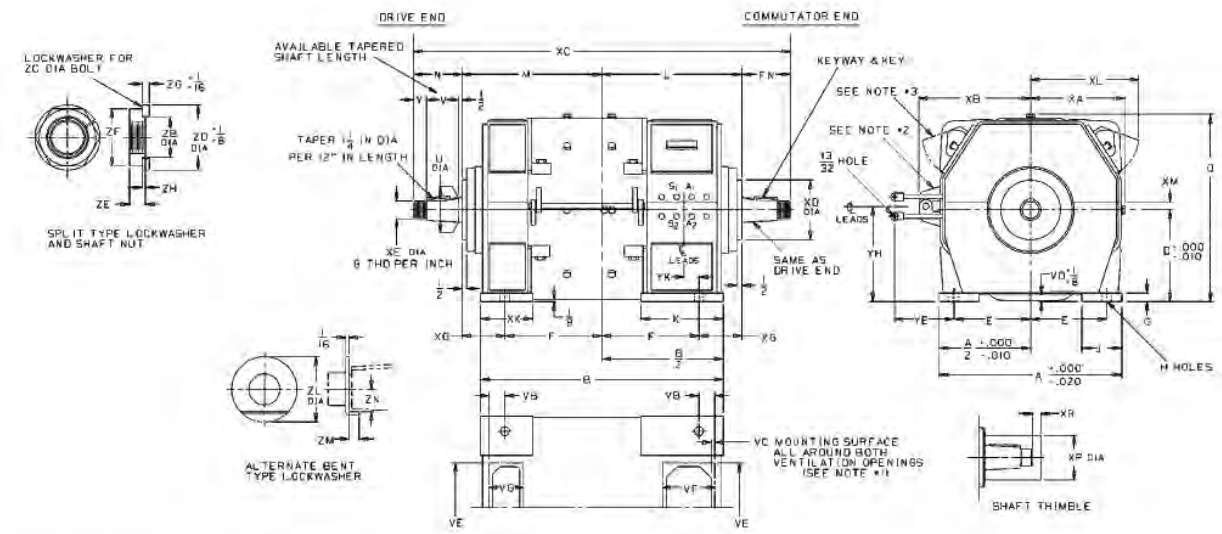
Standard Type Product Offering

	60 min, 75C Rise Totally Enclosed, or Continuous, 75 C Rise Force-Ventilated				30 min. 75C Rise Totally Enclosed			Continuous Duty Cycle, 30% Time On, 75C Rise, Totally Enclosed					
		Full-Load Speed, RPM (Approx.)				Full Load Speed RPM (Approx.)		Full Load Speed RPM (Approx.)					
								Series		Compound		Shunt	
Frame	HP	Series	Compound or Shunt	Adjustable Speed	HP	Series	Compound	HP	RPM	HP	RPM	HP	RPM
802A	5	900	1025	1025/2050	6.5	750	925	5.5	840	5	1080	5	1130
802B	7.5	800	900	900/1800	10	675	775	8	780	7.5	950	7.5	1000
802C	10	800	900	900/1800	13.5	675	775	10	800	9.5	940	9	1000
803	15	725	800	800/2000	19	620	725	15	725	14.5	840	14	880
804	20	650	725	725/1800	26	580	650	20	650	18.5	775	17	800
806	30	575	650	650/1950	39	500	600	30	575	28.5	690	25	715
808	50	525	575	575/1725	65	450	525	40	570	37.5	625	35	630
810	70	500	550	550/1650	90	440	500	60	550	52.5	615	45	600
812	100	475	515	515/1300	135	420	475	85	510	75	580	60	565
814	150	460	500	500/1250	200	400	460	115	515	110	565	85	560
816	200	450	480	480/1200	265	400	450	150	500	140	540	110	535
818	250	410	435	435/1100	325	360	400	185	485	165	490	130	470

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Mill Duty DC Motors – MD800

Dimensions



FRAME	APPROX NET WT IN LBS	DIMENSIONS IN INCHES																				
		A	B	D	E	F	G	H	J	K	L M	O	XA	XB	XC	XD	XG	XK	XL	XM	XP	XR
802	600	15	20 1/2	7 5/8	6 1/4	8 1/4	3/4	25/32	3 1/8	8 5/8	12	15 9/16	8 3/16	9 7/8	32 7/8	4 1/2	3 3/4	5 1/8	9 3/4	5/8	2 3/4	9/16
803	770	17	23 1/2	8 1/2	7	9	7/8	29/32	3 5/8	9 1/8	13 1/2	17 5/16	9	10 11/16	37	5 1/2	4 1/2	5 7/8	10 5/8	5/8	3 5/8	5/8
804	960	18	25 1/2	9	7 1/2	9 1/2	7/8	29/32	4	9 3/4	14 1/2	18 5/16	9 5/16	11	39	5 1/2	5	5 3/4	10 7/8	3/4	3 5/8	5/8
806	1300	20	27 1/2	10	8 1/4	10 1/2	1"	1 1/32	4 1/4	10	15 1/2	20 5/16	10 5/16	12 1/4	42 1/4	6 1/4	5	6 3/4	12	3/4	4 1/4	1 1/4
808	1790	22 3/4	31 1/4	11 1/4	9 3/8	12 3/8	1 1/8	1 3/16	4 3/4	11 3/4	17 1/2	22 15/16	11 11/16	13 1/2	47 1/2	7 1/4	5 1/8	7	13 1/2	7/8	4 1/4	5/8
810	2450	24 1/2	32 1/2	12 1/4	10 1/4	13	1 1/8	1 3/16	5 1/4	11	18 3/4	24 15/16	12 11/16	14 1/2	50 1/4	8	5 3/4	7	14 1/2	1"	6 1/16	1 1/4
812	3280	27	36	13 3/8	11 1/4	14 1/4	1 1/4	1 5/16	5 3/4	11	20 1/2	27 3/16	13 13/16	15 5/8	55	8 3/4	6 1/4	8 1/4	15 3/4	1"	6 1/16	5/8
814	4500	30	41 1/2	14 3/4	12 1/2	16	1 1/2	1 9/16	6 1/4	13 1/2	23 1/4	29 15/16	15 3/16	—	60 3/4	10	7 1/4	8 3/4	17 1/4	1 1/8	7 11/16	1 3/8
816	5780	32 1/2	46 3/4	16	13 1/2	17 1/2	1 1/2	1 9/16	7 1/4	17 1/2	26	32 7/16	16 7/16	—	67 1/2	10	8 1/2	9 3/4	19 1/2	1 1/4	7 11/16	3/4
818	7500	36	49 3/4	17 3/4	15	19 1/2	1 3/4	1 13/16	7 3/4	17 3/4	27 1/2	35 15/16	18 3/16	—	70 5/8	10	8	11	21 1/2	1 3/8	7 11/16	11/16

FRAME	APPROX NET WT IN LBS	DIMENSIONS IN INCHES																								
		SHAFT					KEYWAY		KEY	NUT AND LOCKWASHER										VENT. DUCT FLANGE SURFACE						MOTOR LEADS		
		N FN	U	V	Y	XE	WIDTH	DEPTH	LGTH	ZB	ZC	ZD	ZE	ZF	ZG	ZH	ZL	ZM	ZN	VB	VC	VD	VE	VF	VG	YE	YH	YK
802	600	4 7/16	1 3/4	2 3/4	1 3/16	1"	1/2	1/4	2 5/8	1 3/8	1 1/2	2 3/8	7/8	2	1/4	3/16	2 1/2	1/4	1"	7/8	3/8	1/2	7 1/4	4 3/4	2 3/16	7	8 5/8	3
803	770	5	2	3 1/4	1 1/4	1 1/4	1/2	1/4	3 1/8	1 1/2	1 1/2	2 3/8	15/16	2 1/4	1/4	3/16	2 7/8	5/16	1 1/8	1 3/4	1/2	1/2	8 1/2	5	3 1/4	7	9 1/2	3
804	960	5	2	3 1/4	1 1/4	1 1/4	1/2	1/4	3 1/8	1 1/2	1 1/2	2 3/8	15/16	2 1/4	1/4	3/16	2 7/8	5/16	1 1/8	2 1/4	1/2	5/8	9	5 1/2	2 3/4	7	10	3
806	1300	5 5/8	2 1/2	3 3/4	1 3/8	1 1/2	1/2	1/4	3 3/4	2	2	2 3/8	1 1/16	2 3/4	3/8	5/16	3 1/4	3/8	1 1/4	2 1/8	1/2	3/4	10 1/4	6	3 3/8	7	11	3
808	1790	6 1/4	3	4 1/4	1 1/2	2	3/4	1/4	4 1/8	2 1/2	2 1/2	3 1/2	1 3/16	3 1/2	7/16	3/8	4 5/16	21/32	1 1/2	2	1/2	7/8	11 1/2	6 1/2	3 1/2	10	12 1/2	3
810	2450	6 3/8	3 1/4	4 1/4	1 5/8	2 1/4	3/4	1/4	4 1/8	2 3/4	2 3/4	3 3/4	1 5/16	4	1/2	7/16	4 3/4	3/4	1 5/8	2 1/8	1/2	7/8	12	7	3 5/8	10	13 1/2	3
812	3280	7	3 5/8	4 3/4	1 3/4	2 1/2	3/4	1/4	4 5/8	3	3	4	1 7/16	4 1/4	1/2	7/16	5	5/8	1 7/8	2 1/2	5/8	1"	13 3/4	8 1/4	4 7/8	10	14 5/8	3
814	4500	7 1/8	4 1/4	4 3/4	1 7/8	3	1"	3/8	4 5/8	3 1/2	3 1/2	5	1 9/16	4 3/4	3/8	5/16	5 7/8	23/32	2 7/32	3 3/8	5/8	1 1/4	15 1/4	9 1/4	5 1/2	12	16 1/4	3
816	5780	7 3/4	4 5/8	5 1/4	2	3 1/4	1 1/4	3/8	5 1/8	4	4	6	1 11/16	5 3/8	3/8	5/16	6 1/2	5/8	2 5/8	4 1/2	1"	1 1/8	16	11	6 5/8	12	17 1/2	4 1/2
818	7500	7 13/16	5	5 3/4	1 9/16	3 1/2	1 1/4	1/2	5 5/8	4	4	6	1 1/4	5 3/4	3/8	5/16	6 3/4	3/4	2 5/8	3 7/8	1"	1 3/8	18	12	7 1/8	12	19 1/4	4 1/2

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