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Notes

- ALL DRAWINGS shown are representative drawings only. For certified drawings, please contact your local Baldor Distributor or District Office.
- C DIMENSIONS are determined by the BALDOR type number.
- AA DIMENSION is the I.D. of the conduit pipe, not the I.D. of the clearance hole.
- INSULATION CLASS: Absence of symbol(s) adjacent to the catalog number indicates the motor is insulated with Class B or better materials and will not exceed Class B temperature rise at rated nameplate horsepower. Exceptions may occur in Special Purpose Motors.
- Contact a Baldor District Office for information on any particular motor or control.

Signs and Symbols

(Subject to engineering changes after printing. Contact a Baldor District Office for further information.)

- † Class "F" Insulated
- †* Class "F" Insulated Motor with 1.15 Service Factor or higher that operates within Class "B" temperature limits at rated horsepower
- †† Class "H" Insulated.
- § Agri-Duty Motors, Capacitor-Start, Induction-Run
- ◆ 1.00 Service Factor
- Totally-Enclosed Non-Ventilated, Continuous Duty
- d Item to be discontinued when present stock is depleted

Voltage/Power Service

Voltage Code	
A	.115/208-230 Volts, 60 Hz
B	.115/230 Volts, 60 Hz
C	.230 Volts, 60 Hz
D	.208-230 Volts, 60 Hz
E	.208-230/460 Volts, 60 Hz
E1	.230/460 Volts, Usable at 208 Volts, 60 Hz
F	.230/460 Volts, 60 Hz
N	.380/460 Volts, 50/60 Hz





Single Phase General Purpose Farm Duty Motors

TEFC - Rigid Base and C-Face

1/3 Thru 10 HP

Nema 56 Thru 215T

Mechanical Features: Rugged steel frames protected with polyester resin coating and tough epoxy paint. Ball bearings. Lubrication fittings. Inert polypropylene fan. Heavy gauge steel base with continuous seam weld. Condensation Drain. Gasketed cast conduit box.

Electrical Features: High efficiency design. Moisture resistant 200°C copper windings. Stator and steel frame dipped and baked in 100% solid polyester non-hygroscopic varnish. Manual thermal overload. Heavy duty capacitor. 1.15 Service Factor.

Nema C-Face Less Base										
Hp	R.P.M 60 Hz	Nema Frame	Catalog No.	Type	Connection Diagram	"C" Dimension	Ap'x. Shpg. Wgt.	Eff. @ Full Load	Volt Code	Locked Rotor Torque
1/3	1725	56C	VFDL3501M	3414L	CD0008	11.38	23	60.0	B1	3.6
1/2	1725	56C	VFDL3504M	3421L	CD0008	12.00	28	68.0	B1	4.65
3/4	1725	56C	VFDL3507M	3432LC	CD0320	13.35	38	74.0	B	10.2
1	1725	56C	VFDL3510M	3524L	CD0269	13.25	42	67.0	B1	9.3
1 1/2	1725	56C	VFDL3514M	◆ 3532LC	CD0320	14.12	51	75.5	B	15
Nema C-Face With Base										
1/3	1725	56C	CFDL3501M	3414L	CD0008	11.38	24	60.0	B1	3.6
1/2	1725	56C	CFDL3504M	3421L	CD0008	12.00	29	68.0	B1	4.65
3/4	1725	56C	CFDL3507M	3524L	CD0008	13.25	40	66.0	B	9
1	1725	56CH	CFDL3510M	3524L	CD0269	13.25	41	67.0	B1	9.3
1 1/2	1725	56CH	CFDL3514M	◆ 3532LC	CD0320	14.12	51	75.0	B	15
2	1725	56CHZ	CFDL3516TM	†* 3535LC	CD0002A02	14.19	56	78.0	C	17.5
Rigid Base										
1/3	1725	56	FDL3501M	3414L	CD0008	11.35	23	60.0	B1	3.6
1/2	1725	56	FDL3504M	3421L	CD0008	11.97	28	68.0	B1	4.65
3/4	1725	56	FDL3507M	3532LC	CD0320	12.00	38	74.0	B	10.2
1	1725	56/56H	FDL3510M	3524L	CD0269	12.93	43	67.0	B1	9.3
1	1725	143T	FDL3510TM	3524L	CD0269	13.31	41	67.0	B1	9.2
1 1/2	1725	56/56H	FDL3514M	◆ 3532LC	CD0320	13.81	51	75.5	B	15
1 1/2	1725	145T	FDL3514TM	◆ 3532LC	CD0320	14.19	51	75.5	B	15
Extra High Torque, Capacitor Start, Capacitor Run										
Nema C-Face Less Base										
2	1725	145TC	VFDL3516TM	†* 3535LC	CD0002A02	14.19	55	78.0	C	
3	1725	184TC	VFDL3610TM	†◆ 3640LC	CD0002A02	18.05	100	80.0	C	37
5	1725	184TC	VFDL3612TM	†◆ 3646LC	CD0152	18.33	105	80.0	C	46
Rigid Base										
2	1725	56HZ	FDL3516TM	†* 3535LC	CD0002A02	14.19	54	78.0	C	17.5
2	1725	182T	FDL3611TM	◆ 3634L	CD0008	16.55	80	75.0	B	27
2	1725	184	FDL3611M	◆ 3634L	CD0008	15.68	78	75.0	B	24
3	1725	184	FDL3610M	†◆ 3646LC	CD0002A02	17.18	92	80.0	C	37
3	1725	184T	FDL3610TM	†◆ 3646LC	CD0002A02	18.05	93	80.0	C	37
3	1725	184T	FDL3619TM	†◆ 3634LC	CD0002A02	16.55	81	81.5	C	26
5	1725	184T	FDL3612TM	†◆ 3646LC	CD0152	18.58	101	80.0	C	46
5	1725	215	FDL3731M	†◆ 3735LC	CD0152	18.69	125	82.5	C	58
7 1/2	1725	215T	FDL3733TM	†◆ 3744LC	CD0152	19.07	142	83.0	C	84
7 1/2	1725	215	FDL3732M	†◆ 3744LC	CD0152	18.69	144	83.0	C	84
10	1725	215T	FDL3712TM	†◆@ 3750LC	CD0152	20.82	160	84.0	C	81
10	1725	215T	FDL3737TM	†◆ 3750LC	CD1336	20.82	162	84.0	C	115

NOTE: Flexible waterproof cover protects thermal overload reset button against leakage on 1/2 hp through 10 hp.

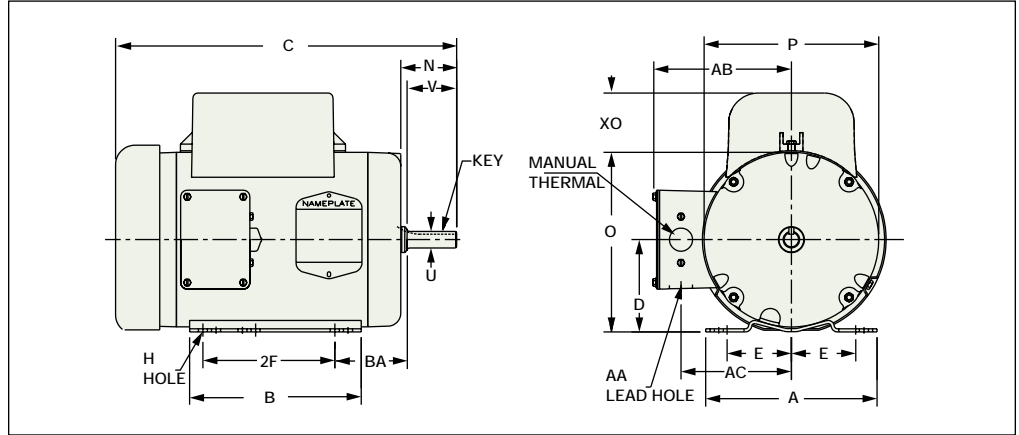
@ FDL3737TM has cooling fan on each end. Voltage @ 60 hz: B= 115/230, C= 230, B1=115/230 volts, usable at 208 volts.



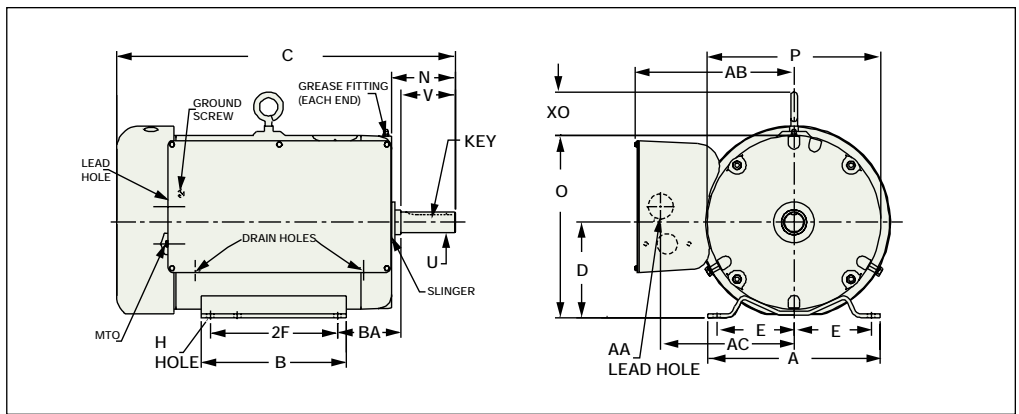
Farm Duty Motors

Rigid Base

1/3 Thru 3 HP



5 Thru 10 HP



Nema Frame	A	B	D	E	2F	H	Key	N	O	P	U	V	AA	AB	AC	BA	XO
56 400TYP	6.56	4.25	3.50	2.44	3.00	0.34 SLOT	0.19	2.50	6.34	5.69	0.625	1.88	0.88	5.06	3.91	2.75	1.56(L) 2.34(LC)
56 500TYP 56H	6.50	6.50	3.50	2.44	3.00 5.00	0.34 SLOT	0.19	2.12	6.81	6.62	0.625	1.88	0.88	5.22	4.18	2.75	2.25
143T 145T	6.50	5.94	3.50	2.75	4.00 5.00	0.34	0.19	2.50	6.81	6.62	0.875	2.25	0.88	5.22	4.18	2.25	2.25
182 184	8.63	6.50	4.50	3.75	4.50 5.50	0.41	0.19	2.69	8.44	7.88	0.875	2.25	1.09	5.95	4.94	2.75	2.69
182T 184T	8.63	6.50	4.50	3.75	4.50 5.50	0.41	0.25	3.56	8.44	7.88	1.125	2.75	1.09	6.6	5.37	2.75	2.69
213 215	9.50	8.00	5.25	4.25	5.50 7.00	0.41	0.25	3.50	10.03	9.56	1.125	3.00	1.38	8.77	7.35	3.50	2.39
213T 215T	9.50	8.00	5.25	4.25	5.50 7.00	0.41	0.31	3.88	10.03	9.56	1.375	3.38	1.09	8.77	7.35	3.50	2.39

NOTE: Nema 56 Catalog # FDL3501M, FDL3504M has oversized conduit box: AB= 2.23, AC= 3.97.

Nema 56HZ Catalog # FDL3516TM N= 2.50, V= 2.25.

Nema 184 Catalog # FDL3610M has oversized conduit box: AA= 0.75NPT, AB= 6.60, AC= 5.37.

Nema 184T Catalog # FDL3612TM has oversized conduit box: AA= 1.06, AB= 7.62, AC= 6.38.

Nema 184T Catalog # FDL3619TM, FDL3610TM AA= 1.09, AB= 5.95, AC= 4.94.

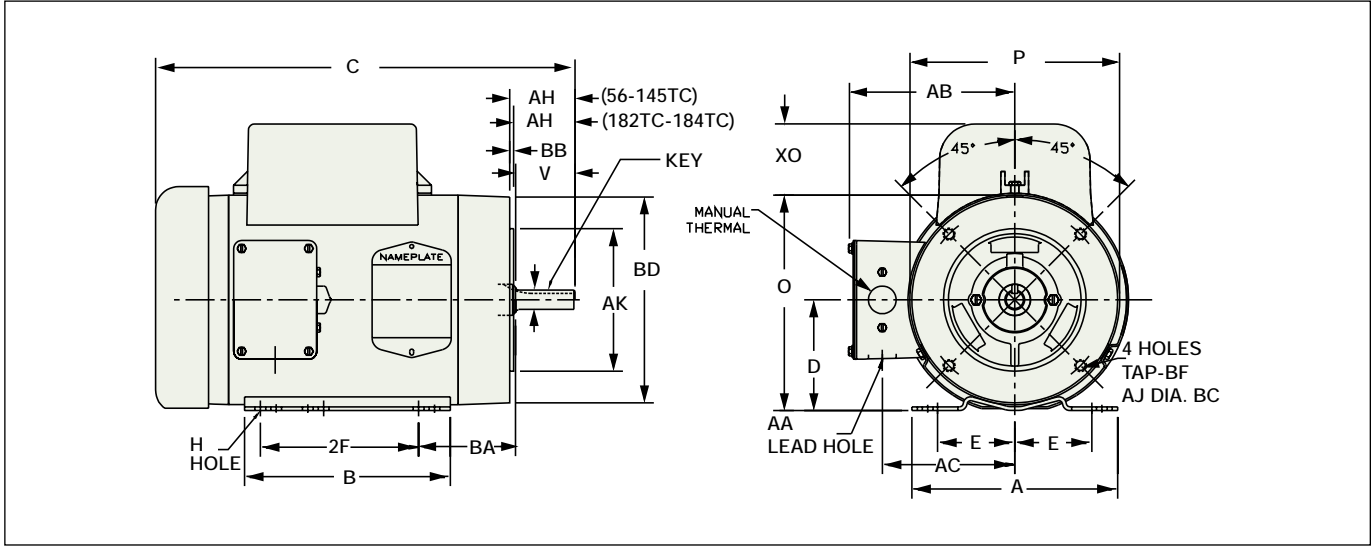
Nema 215 Catalog # FDL3731M AA= 1.09.

Nema 215T Catalog # FDL3737TM has external fan: N= 3.57, AA= 1.38.

Dimensions are for reference only, consult a district office for certified dimensions.

Farm Duty Motors

C-Face



Nema Frame	A	B	D	E	2F	H	Key	O	P	U	V	AA	AB	AC	AH	AJ	AK	BA	BB	BD	XO	Tap BF
56C						0.34															1.56(L)	
400TYP	6.56	4.25	3.50	2.50	3.00	SLOT	0.188	6.38	5.69	0.625	1.88	0.88	5.21	3.97	2.06	5.88	4.50	2.75	0.13	5.81	2.31(LC)	3/8-16
56C						0.34																
500TYP	6.50	4.50	3.50	2.44	5.00	SLOT	0.19	6.81	6.62	0.625	1.88	0.88	5.22	4.18	2.06	5.88	4.50	3.06	0.12	6.50	2.25	3/8-16
56CH		6.50																				
143TC																						
145TC	-	-	-	-	-	-	0.19	-	6.62	0.875	2.25	0.88	5.22	4.18	2.12	5.88	4.50	-	0.13	6.50	2.25	3/8-1/6
182TC												0.75										
184TC	-	-	-	-	-	-	0.25	-	8.50	1.125	2.75	NPT	6.61	5.38	2.62	7.25	8.50	-	0.25	9.00	2.25	1/2-13

NOTE: Nema 184TC Catalog # VFDL3612TM has oversized conduit box: AA= 1.06, AC= 6.38.

Three Phase TEFC - Rigid Base



1/3 Thru 20 HP

Nema 48 Thru 286T

Applications: Pumps, compressors, fans, conveyors, machine tools and other applications where three phase power is available.

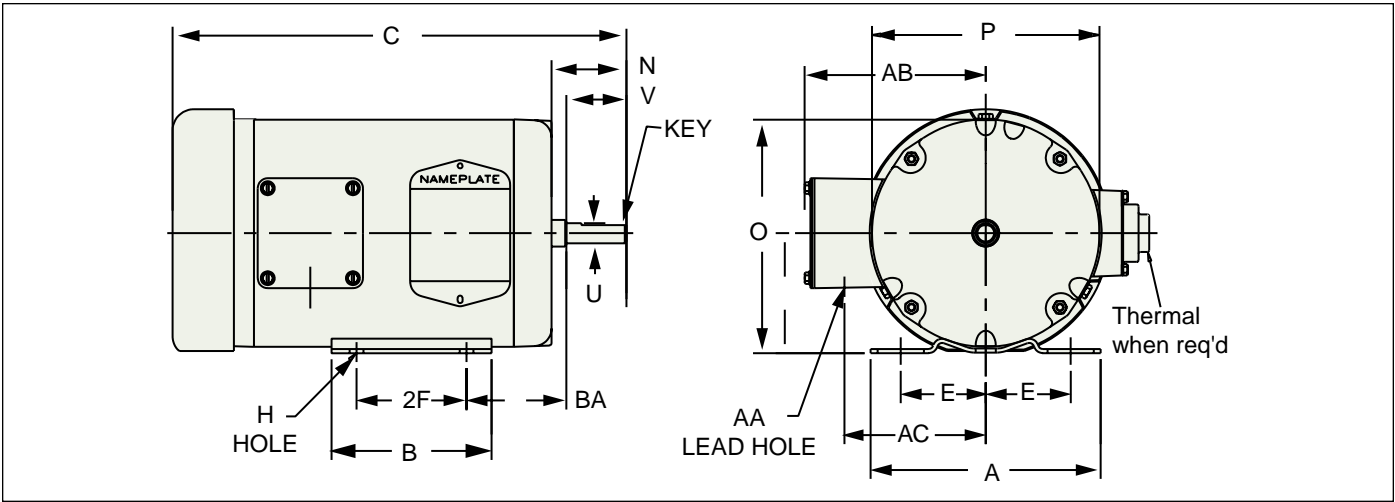
Features: Ball bearings. Suitable for mounting any position. Heavy gauge steel and cast iron frames. Most with open motor service factor. (1.15 S.F.)

Hp	R.P.M 60 Hz	Nema Frame	Catalog No.	Type	Connection Diagram	"C" Dimension	Ap'x. Shpg. Wgt.	Eff. @ Full Load	Volt Code
1/3	3450	48	M3457	3410M	CD0005	10.73	20	70.0	E1
1/3	1725	56	M3534	3413M	CD0005	11.35	21	68.0	E1
1/3	1140	56	M3535	3414M	CD0005	11.35	22	70.0	E1
1/2	3450	56	M3537	3410M	CD0005	11.35	19	68.0	E1
1/2	1725	56	M3538	3416M	CD0005	11.35	22	74.0	E1
1/2	1140	56	M3539	3418M	CD0005	11.35	24	72.0	E1
3/4	3450	56	M3541	3413M	CD0005	11.35	21	74.0	E1
3/4	1725	56	M3542	3420M	CD0005	11.35	26	75.5	E1
3/4	1140	56/56H	M3543	3524M	CD0005	12.93	38	77.0	E1
1	3450	56	M3545	3416M	CD0005	11.35	23	75.5	E1
1	1725	56	M3546	3426M	CD0005	12.00	31	78.5	E1
1	1140	145T	M3556T	3528M	CD0005	13.31	45	80.0	E1
1 1/2	3450	143T	M3550T	3420M	CD0005	12.31	40	82.5	E1
1 1/2	1725	145T	M3554T	3524M	CD0005	13.31	41	84.0	E1
1 1/2	1140	182T	M3607T	3625M	CD0005	16.55	66	85.5	E1
2	3450	145T	M3555T	3526M	CD0005	13.31	46	84.0	E1
2	1725	145T	M3558T	3528M	CD0005	13.31	48	84.0	E1
2	1140	184T	M3614T	3636M	CD0005	18.05	84	86.5	E1
3	3450	145T	M3559T	3535M	CD0005	14.19	49	85.5	E1
3	1725	182T	M3611T	3546M	CD0005	16.52	71	87.5	E1
3	1140	213T	M3704T	3732M	CD0005	17.91	127	87.5	E1
5	3450	184T	M3613T	3630M	CD0005	16.55	74	87.5	E1
5	1725	184T	M3615T	3634M	CD0005	16.55	81	87.5	E1
5	1160	215T	M3708T	3735M	CD0005	17.91	122	87.5	E1
7 1/2	3450	184T	M3616T	3640M	CD0005	18.05	92	88.5	E1
7 1/2	1725	213T	M3710T	3735M	CD0005	17.91	128	89.5	E1
7 1/2	1140	254T	M2276T	0760M	CD0005	22.83	247	89.5	E1
10	3450	215T	M3711T	3730M	CD0005	17.91	121	89.5	E1
10	1725	215T	M3714T	3740M	CD0005	19.03	139	89.5	E1
10	1160	256T	M2332T	0944M	CD0005	23.16	269	89.5	E1
15	3450	254T	M2394T	0750M	CD0005	21.09	237	90.2	E1
15	1760	254T	M2333T	0756M	CD0005	21.09	244	91.0	F
15	1160	284T	M4100T	1036M	CD0005	27.76	361	90.2	E1
20	3450	256T	M4106T	0756M	CD0005	22.84	260	90.2	E1
20	1760	256T	M2334T	0944M	CD0005	23.16	269	91.0	E1
20	1160	286T	M4102T	1042M	CD0005	27.76	382	90.2	E1

NOTE: Voltage @ 60 Hz: E1 = 230/460 volts usable at 208 volts, F = 230/460 volts.

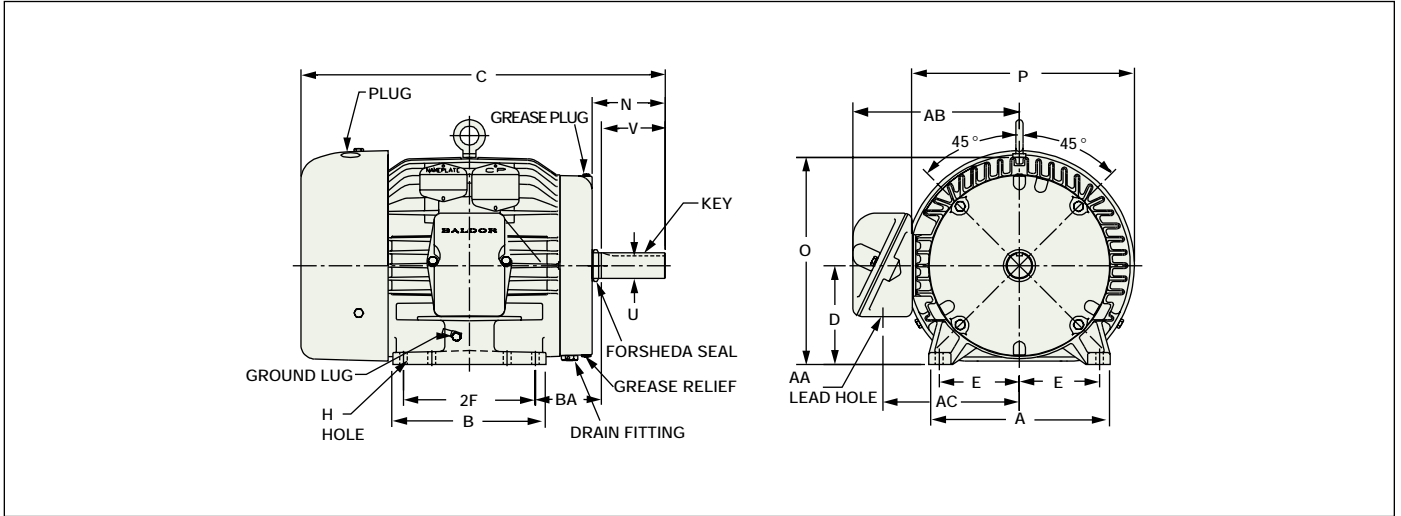
Shaded ratings are cast iron frames.

General Purpose Three Phase - TEFC



Nema Frame	A	B	D	E	2F	H	Key	N	O	P	U	V	AA	AB	AC	BA	
48	5.75	4.00	3.00	2.13	2.75	0.34	FLAT 0.047 DEEP 1.12 LONG	1.87	5.85	5.69	0.50	1.50	0.88	4.51	3.53	2.50	
56 400TYP	6.56	4.25	3.50	2.44	3.00	0.34	SLOT	0.19	2.50	6.34	5.69	0.625	1.88	0.88	4.51	3.53	2.75
56 500 TYP 56H	6.50	4.50(4H) 6.50(6H)	3.50	2.44	3.00	0.34	SLOT	0.19	2.44 2.12	6.81	6.62	0.625	1.88	0.88	5.22	4.18	2.75
143T 400TYP	6.50	5.00	3.50	2.75	4.00	0.34	0.19	2.50	6.34	5.69	0.875	2.25	0.88	4.51	3.53	2.25	
143T 500TYP 145T	6.50	5.94	3.50	2.75	4.00 5.00	0.34	0.19	2.50	6.81	6.62	0.875	2.25	0.88	5.22	4.18	2.25	
182T 500TYP 184T	8.63	6.50	4.50	3.75	4.50 5.50	0.41	0.25	3.00	7.81	6.62	1.125	2.75	1.09	5.21	4.18	2.75	
182T 600TYP 184T	8.63	6.50	4.50	3.75	4.50 5.50	0.41	0.25	3.56	8.44	7.88	1.125	2.75	1.09	5.97	4.94	2.75	
213T 700TYP 215T	9.50	8.00	5.25	4.25	5.50 7.00	0.41	0.31	3.88	10.03	9.56	1.375	3.38	1.06	7.46	6.23	3.5	

General Purpose Three Phase - TEFC Cast Iron Construction



Nema Frame	A	B	D	E	2F	H	Key	N	O	P	U	V	AA	AB	AC	BA
254T																
700TYP	11.50	9.75 (4H)	6.25	5.00	8.25	0.53	0.38	4.66	12.18	11.62	1.625	4.00	1.38	8.86	7.37	4.25
256T		11.5 (6H)			10.00											
254T																
900TYP	11.50	11.50	6.25	5.00	8.25	0.53	0.38	4.33	12.88	12.94	1.625	4.00	1.38	9.48	7.99	4.25
256T					10.00											
284T																
286T	12.76	12.75	7.00	5.50	11.00	0.56	0.50	4.75	14.44	15.30	1.875	4.63	2.00	13.12	10.56	4.75

Three Phase ODP - Rigid Base



1/3 Thru 10HP Nema 48 Thru 256T

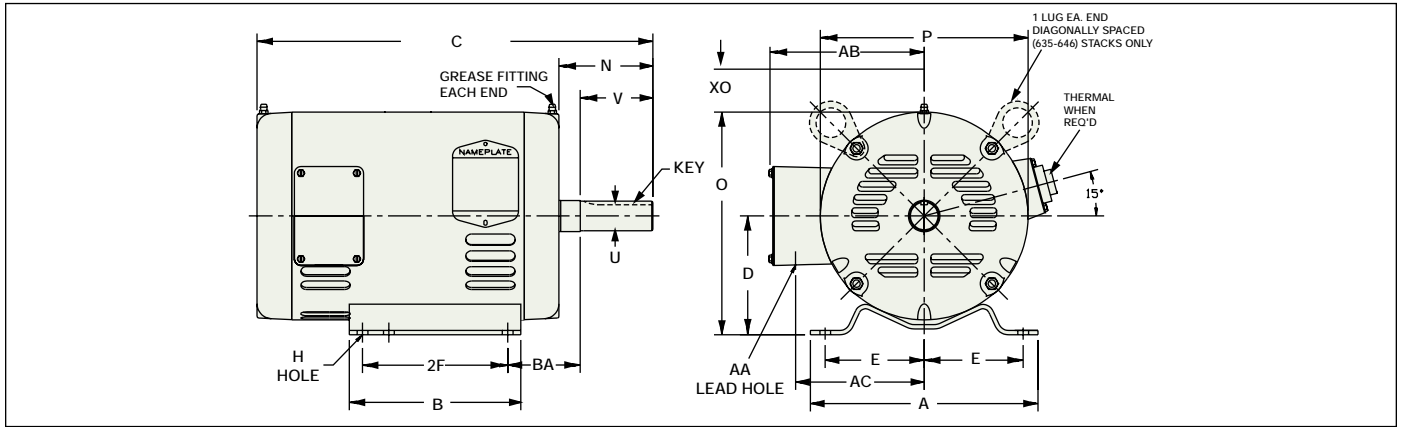
Applications: Pumps, compressors, machine tools, conveyors, blowers, fans and many other applications requiring three phase power.

Features: Heavy gauge steel frame.

Hp	R.P.M 60 Hz	Nema Frame	Catalog No.	Type	Connection Diagram	"C" Dimension	Ap'x. Shpg. Wgt.	Eff. @ Full Load	Volt Code
1/3	3450	48	M3006	3410M	CD0005	9.13	19	70.0	E1
1/3	1725	48	M3007	3413M	CD0005	9.13	20	68.0	E1
1/3	1140	48	M3008	3414M	CD0005	9.13	21	70.0	E1
1/2	3450	48	M3009	3410M	CD0005	9.13	19	68.0	E1
1/2	1725	48	M3010	3416M	CD0005	9.13	22	74.0	E1
1/2	1140	48	M3011	3418M	CD0005	9.38	23	72.0	E1
3/4	3450	56	M3111	3413M	CD0005	9.50	21	74.0	E1
3/4	1725	56	M3112	3420M	CD0005	10.12	27	75.5	E1
3/4	1140	143T	M3153T	3428M	CD0005	12.32	33	77.0	E1
1	3450	56	M3115	3416M	CD0005	9.50	23	75.5	E1
1	1725	143T	M3116T	3518M	CD0005	11.12	36	82.5	E1
1	1140	145T	M3156T	3528M	CD0005	12.12	42	80.5	E1
1 1/2	3450	56	M3120	3424M	CD0005	11.00	29	80.0	E1
1 1/2	1725	145T	M3154T	3524M	CD0005	11.62	43	84.0	E1
1 1/2	1160	182T	M3207T	3625M	CD0005	15.00	66	85.5	E1
2	3450	145T	M3155T	3522M	CD0005	11.62	26	84.0	E1
2	1725	145T	M3157T	3526M	CD0005	12.12	45	84.0	E1
2	1140	184T	M3215T	3628M	CD0005	15.00	70	85.5	E1
3	3450	145T	M3158T	3526M	CD0005	12.12	42	84.0	E1
3	1725	182T	M3211T	3540M	CD0005	14.63	64	86.5	E1
3	1140	213T	M3305T	3729M	CD0005	16.32	109	86.5	E1
5	3450	182T	M3212T	3535M	CD0005	14.00	59	85.5	E1
5	1725	184T	M3218T	3630M	CD0005	15.00	74	87.5	E1
5	1140	215T	M3309T	3735M	CD0005	17.45	120	87.5	E1
7 1/2	3450	184T	M3219T	3634M	CD0005	15.00	75	87.5	E1
7 1/2	1725	213T	M3311T	3729M	CD0005	16.32	110	88.5	E1
7 1/2	1160	254T	M2506T	3750M	CD0005	19.75	162	88.5	E1
10	3450	213T	M3312T	3725M	CD0005	16.32	109	88.5	E1
10	1725	215T	M3313T	3738M	CD0005	17.45	132	89.5	E1
10	1160	256T	M2511T	3944M	CD0005	21.69	228	90.2	F

NOTE: Voltage @ 60 Hz: E1 = 230/460 volts usable at 208 volts, 230/460 volts.

General Purpose Three Phase - ODP



Nema Frame	A	B	D	E	2F	H	Key	N	O	P	U	V	AA	AB	AC	BA
48	5.75	4.00	3.00	2.13	2.75	0.34	FLAT 0.047 DEEP 1.12 LONG	1.87	5.85	5.69	0.50	1.50	0.88	4.51	3.53	2.50
56 400TYP	6.56	4.25	3.50	2.44	3.00	0.34 SLOT	0.19	2.50	6.34	5.69	0.625	1.88	0.88	4.51	3.53	2.75
143T 400TYP 145T	6.50	5.00	3.50	2.75	4.00	0.34	0.19	2.50	6.34	5.69	0.875	2.25	0.88	4.51	3.53	2.25
143T 500TYP 145T	6.50	5.94	3.50	2.75	4.00 5.00	0.34	0.19	2.50	6.81	6.62	0.875	2.25	0.88	5.22	4.18	2.25
182T 500TYP 184T	8.63	6.50	4.50	3.75	4.50 5.50	0.41	0.25	3.00	7.81	6.62	1.125	2.75	1.09	5.21	4.18	2.75
182T 600TYP 184T	8.63	6.50	4.50	3.75	4.50 5.50	0.41	0.25	3.56	8.44	7.88	1.125	2.75	1.09	5.97	4.94	2.75
213T 600TYP 215T	9.50	8.00	5.25	4.25	5.50 7.00	0.41	0.31	3.56	9.19	7.88	1.375	3.38	1.06	5.85	4.88	3.50
213T 700TYP 215T	9.50	8.00	5.25	4.25	5.50 7.00	0.41	0.31	3.88	10.03	9.56	1.375	3.38	1.06	7.46	6.23	3.50
254T 700TYP 256T	11.25	9.50	6.25	5.00	8.25	0.53	0.38	4.84	11.03	9.56	1.625	4.00	1.38	8.16	6.72	4.25
254T 900TYP 256T	11.25	9.50(4H) 11.25(6H)	6.25	5.00	8.25 10.00	0.53	0.38	4.31	12.00	11.62	1.625	4.00	1.38	8.92	7.50	4.25

Single Phase Repulsion-Start Induction-Run TEFC – Rigid Base



2 Thru 10 HP

Nema 184 Thru 256U

Mechanical Features: Monocast aluminum frame to assure excellent heat dissipation. Large copper commutator with patented centrifugal short-circuit device.

Electrical Features: High starting torque low inrush current. Moisture resistant 200°C copper windings. 1.00 Service Factor.

High Torque, Continuous Duty

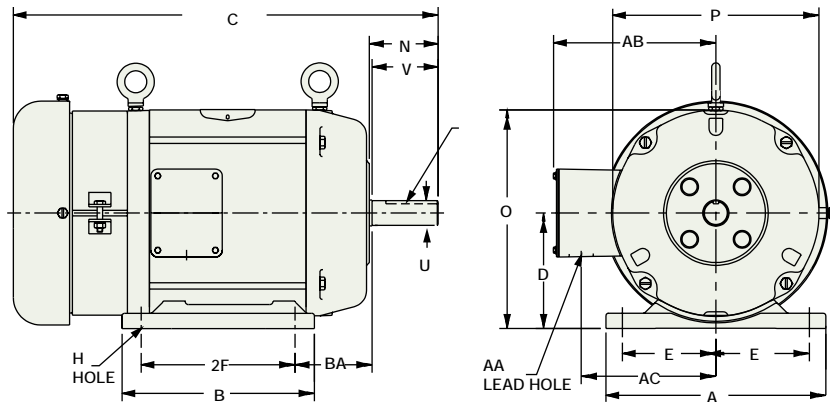
Hp	R.P.M 60 Hz	Nema Frame	Catalog No.	Type	Connection Diagram	Ap'x. Shpg. Wgt.	Eff. @ Full Load	Volt Code	Locked Rotor Torque
2	1725	184	R1423 ◆	6246R	CD0277	97	73.0	B	22
3	1725	215	R1403 ◆	7535R	CD0277	142	80.0	B	45
5	1725	215	R1425 ◆	7544R	CD0277	157	81.0	B	75
7 1/2	1725	256U	R1416 ◆	9148R	CD0278	274	88.0	C	105
10	1725	256U	R1424 ◆▼	9160R	CD0278	309	85.0	D	130

Extra High Torque, One Hour Duty - Electrically Reversible

7 1/2	1725	256U	R1428 ◆	9140V	CD0346	256	81.0	C	105
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NOTE: Voltage @ 60 Hz : B=115/230, C= 230, D = 208-230 volts.

▼: Rated 10 HP continuous duty, 15 HP one hour duty.



Nema Frame	A	B	D	E	2F	H	KEY	N	O	P	U	V	AA	AB	AC	BA
184	8.62	6.62	4.50	3.75	4.50 5.50	0.41	0.19	2.81	8.38	7.75	0.875	2.25	1.06	6.25	4.88	2.75
215	10.00	8.75	5.25	4.25	7.00	0.41	0.25	3.12	9.94	9.38	1.125	3.00	1.06	7.37	6.13	3.50
256U	12.00	11.75	6.25	5.00	10.00	0.53	0.31	4.04	11.94	11.38	1.375	3.75	1.38	9.35	7.54	4.25

Single & Three Phase Grain Dryer Motor / Vane Axial Fan Motors TEAO and OAO – Rigid Base

3 Thru 15 HP

Nema 145TZ Thru 215Z



Mechanical Features: Shaft 3/4" longer than NEMA standard, shaft keyed, drilled and tapped with internal 1/4-20 tap 1" deep. Drive end locked bearing. Dolium R® grease. Epoxy paint. Extra nameplate and connection label.

Electrical Features: High efficiency design. Moisture resistant 200°C copper windings. Stator and steel frame dipped and baked in 100% polyester non-hygroscopic varnish. Heavy duty, Type 1 capacitor. 1.00 Service Factor. Thermostats. 36" leads.

Single Phase, Totally Enclosed-Air Over

Hp	R.P.M 60 Hz	Nema Frame	Catalog No.	Type	Connection Diagram	"C" Dimension	Ap'x. Shpg. Wgt.	Eff. @ Full Load	Volt Code
1.5-3	3450	145TZ	UCLE153 †*	3532LC	CD0017A02	14.25	53	85.5	D1
3-4.5	3450	145TZ	UCLE3145 †‡	3540LC	CD0017A02	15.62	63	82.5	C
7.5-10.5	3450	182TZ	UCLE7510 †‡	3646LC	CD0208	16.88	95	85.5	C

Single Phase, Open-Air Over

1.5-3	3450	145TZ	UCL153 †‡	3532LC	CD0017A02	14.25	51	77.0	C
3-4.5	3450	145TZ	UCL3145 †‡	3540LC	CD0017A02	15.62	60	77.8	C
3-4.5	3450	182Z	UCL345 †‡	3634L	CD0017A01	14.88	73	74.0	C
5-7	3450	182TZ	UCL570 †‡	3646L	CD0017A01	16.88	93	80.0	C
7.5-10	3450	182TZ	UCL710 †‡	3646LC	CD0208	16.88	95	85.0	C
7.5-10	3450	215Z	UCL7510 †‡	3729L	CD0086	17.44	108	81.0	C
10-15	3450	215Z	UCL1015 †‡	3744LC	CD0208	17.06	140	84.0	C

Three Phase, Totally-Enclosed, Air-Over

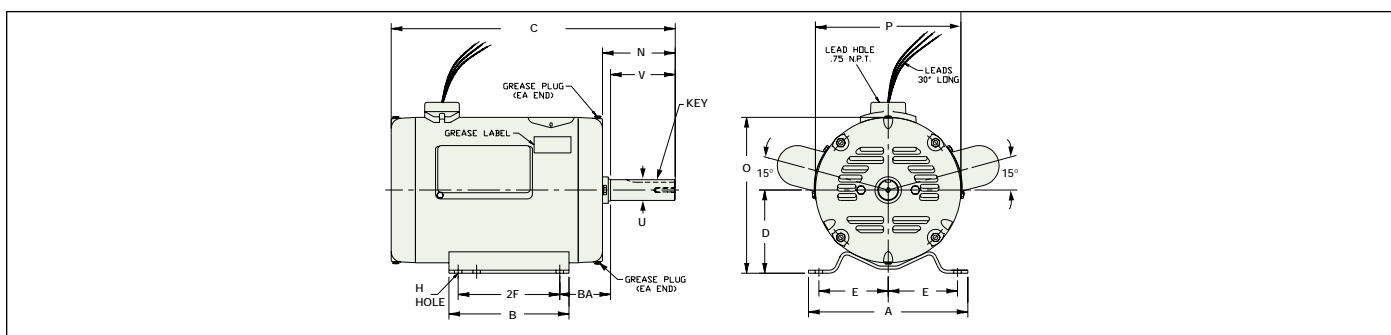
1.5-3	3450	145TZ	UCME153 †‡	3524M	CD0005	13.37	44	80.0	E1
3-4.5	3450	143TZ	UCME3145 †‡	3528M	CD0005	13.37	45	-	E1
3-4.5	3450	182Z	UCME345 ††‡	3628M	CD0005	14.88	68	85.5	E1
5-7	3450	184TZ	UCME570 †‡	3634M	CD0005	15.38	72	82.5	E1
7.5-9.2	3450	184TZ	UCME759 †‡	3640M	CD0005	16.88	85	89.5	E1
7.5-9.2	3450	184TZ	UCME7510 †‡	3640M	CD0005	16.88	85	86.5	E1
10-15	3450	215Z	UCME1014 †‡	3733M	CD0005	16.69	126	-	E1

Three Phase, Open-Air Over

1.5-3	3450	145TZ	UCM153 †‡	3524M	CD0005	13.37	42	80.0	E1
3-4.5	3450	143TZ	UCM3145 †‡	3528M	CD0005	13.37	45	-	E1
3-4.5	3450	182Z	UCM345 †‡	3532M	CD0005	14.25	54	84.0	E1
5-7.5	3450	184TZ	UCM575 †‡	3628M	CD0005	15.38	67	84.0	F
7.5-10	3450	184TZ	UCM713 ‡	3646M	CD0005	16.88	92	84.0	E1
10-14	3450	215Z	UCM1014 †‡	3726M	CD0005	16.69	104	85.5	E1

NOTE: Voltage @ 60 Hz: C = 230, E1= 230/460 volts, usable at 208 volts, D1=230 volts, usable at 208 volts, F = 230/460 volts.

Open, Air Over



NOTE: See next page for dimension chart.

Single Phase PSC Design Universal Crop Dryer Motors TEAO and OAO - Rigid Base



3 Thru 15 HP

Nema 184Z Thru 215Z

Mechanical Features: TEAO design prevents entrance of rodents, insects and other foreign matter. No centrifugal switch to wear. Epoxy paint.

Electrical Features: High full load efficiency for reduced power cost. No noise and vibration from regeneration. Less sensitive to voltage variations. Soft start. Thermostats. 1.00 Service Factor.

Totally Enclosed - Air Over (TEAO)

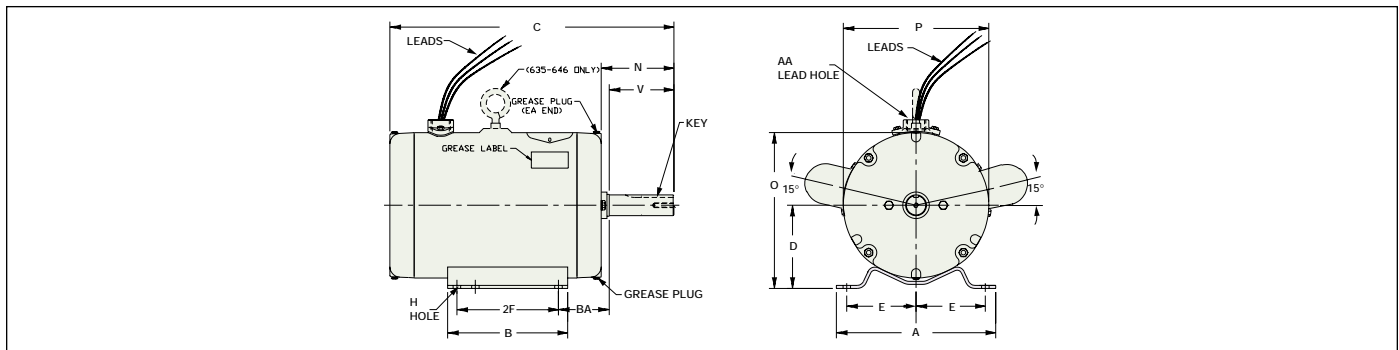
Hp	R.P.M 60 Hz	Nema Frame	Catalog No.	Type	Connection Diagram	"C" Dimension	Ap'x. Shpg. Wgt.	Eff. @ Full Load	Volt Code
3-4.5	3450	184Z	UCCE345 †‡	3634C	CD0014	14.88	75	82.0	C
5-7	3450	184TZ	UCCE570 †‡	3640C	CD0014	16.88	87	84.0	C
7.5-9.2	3450	184TZ	UCCE759 †‡	3646C	CD0014	16.88	93	85.5	C
7.5-10.5	3450	215Z	UCCE7510 †‡	3729C	CD0127	17.44	106	84.0	C
13	3450	215Z	UCCE130 †‡	3744C	CD0127	18.57	140	85.0	C

Open - Air Over (OAO)

5-7	3450	184TZ	UCC5700 †‡	3634C	CD0127	15.38	74	79.0	C
7.5-10	3450	184TZ	UCC7100 †‡	3640C	CD0127	16.88	83	85.5	C
10-15	3450	215Z	UCC10150 †‡	3740C	CD0127	18.57	128	83.0	C

NOTE: Voltage @ 60 Hz: C-230 volts.

Totally Enclosed, Air Over



Nema Frame	A	B	D	E	2F	H	KEY	N	O	P	U	V	BA
143TZ					4.00								
145TZ	6.50	5.94	3.50	2.75	5.00	0.34	0.19	3.25	6.81	6.63	0.875	3.00	2.75*
182Z													
500TYP 184Z	8.63	6.50	4.50	3.75	4.50 5.50	0.41	0.19	3.25	7.81	6.63	0.875	3.00	2.75
182Z													
600TYP 184Z	8.63	6.50	4.50	3.75	4.50 5.50	0.41	0.19	3.44	8.44	7.88	0.875	3.00	2.75
182TZ													
184TZ	8.63	6.50	4.50	3.75	4.50 5.50	0.41	0.25	3.94	8.44	7.88	1.125	3.50	2.75
213Z													
215Z	9.50	8.00	5.25	4.25	5.50 7.00	0.41	0.25	5.00	10.03	9.56	1.125	4.50	3.50

NOTE: (Section B) NEMA 215Z Catalog # UCL1015 N = 4.25, V = 3.75, Catalog # UCM1014 N=4.25, V = 3.75.

*Non-Nema Dimension



Single & Three Phase Grain Dryer Motor / Centrifugal Fan Motors ODP - Rigid Base



5 Thru 30 HP

Nema 184TZ Thru 286TZ

Mechanical Features: Shaft length is 1" longer than NEMA standard. Screens to protect against entry of trash, snakes and rodents.

Electrical Features: Moisture resistant 200° C copper windings tied at every slot. Thermostats. 1.00 Service Factor.

Single Phase

Hp	R.P.M 60 Hz	Nema Frame	Catalog No.	Type	Connection Diagram	"C" Dimension	Ap'x. Shpg. Wgt.	Eff. @ Full Load	Volt Code
5	1725	184TZ	GDL1605T †‡	3646LC	CD0017A02	19.06	101	80.0	C
7 1/2	1725	215TZ	GDL1607T †*	3744LC	CD0086	22.57	161	82.5	C
10	1725	215TZ	GDL1610T †‡	3750LC	CD0086	22.57	172	84.0	C
15	1760	256TZ	GDL1615T †‡	3956LC	CD1084	24.19	288	86.5	C

Three Phase

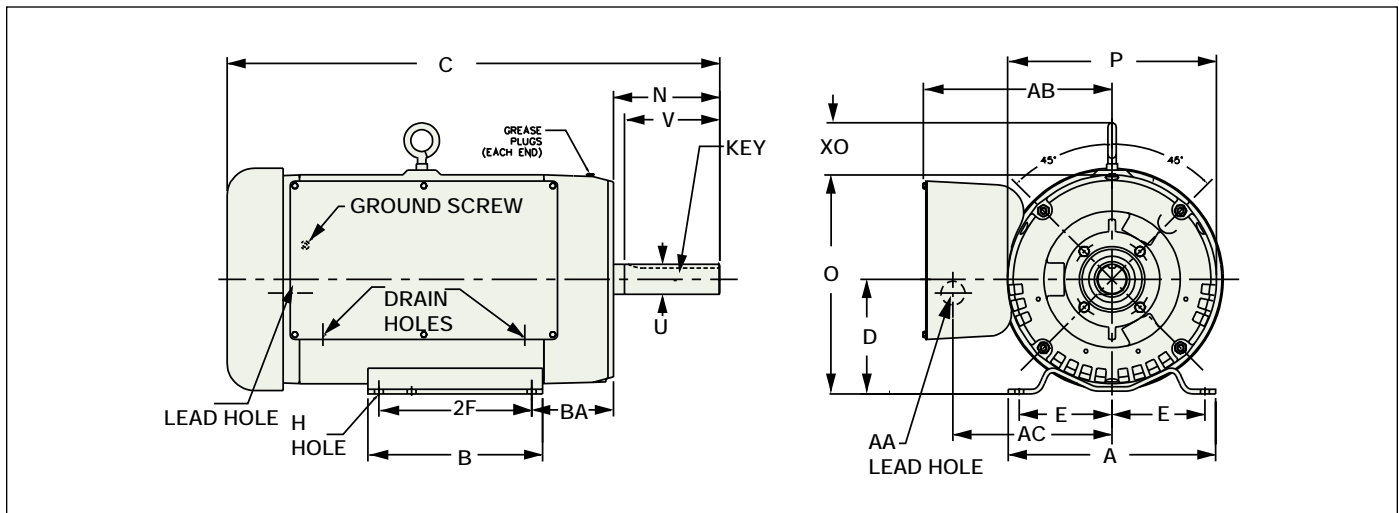
5	1725	184TZ	GDM3218T	3630M	CD0005	16.00	76	87.5	
7 1/2	1725	213TZ	GDM3311T †*	3729M	CD0005	17.32	113	88.5	E1
10	1725	215TZ	GDM3313T	3738M	CD0005	18.45	114	89.5	E1
15	1760	254TZ	GDM2513T	3752M	CD0005	21.50	172	91.0	E1
20	1760	254TZ	GDM2515T	3940M	CD0005	22.69	165	91.7	E1
25	1760	284TZ	GDM2531T	4044M	CD0005	24.81	329	91.7	E1
30	1760	286TZ	GDM2535T	4046M	CD0180	24.81	351	92.4	E1

NOTE: 15 Hp Single Phase Centrifugal Fan Motors require an AC contactor in start circuit (see chart below)
Voltage @ 60 Hz: C - 230, E1= 230/460 volts, usable at 208 volts,.

AC Contactor with Nema Class I General Purpose Enclosure

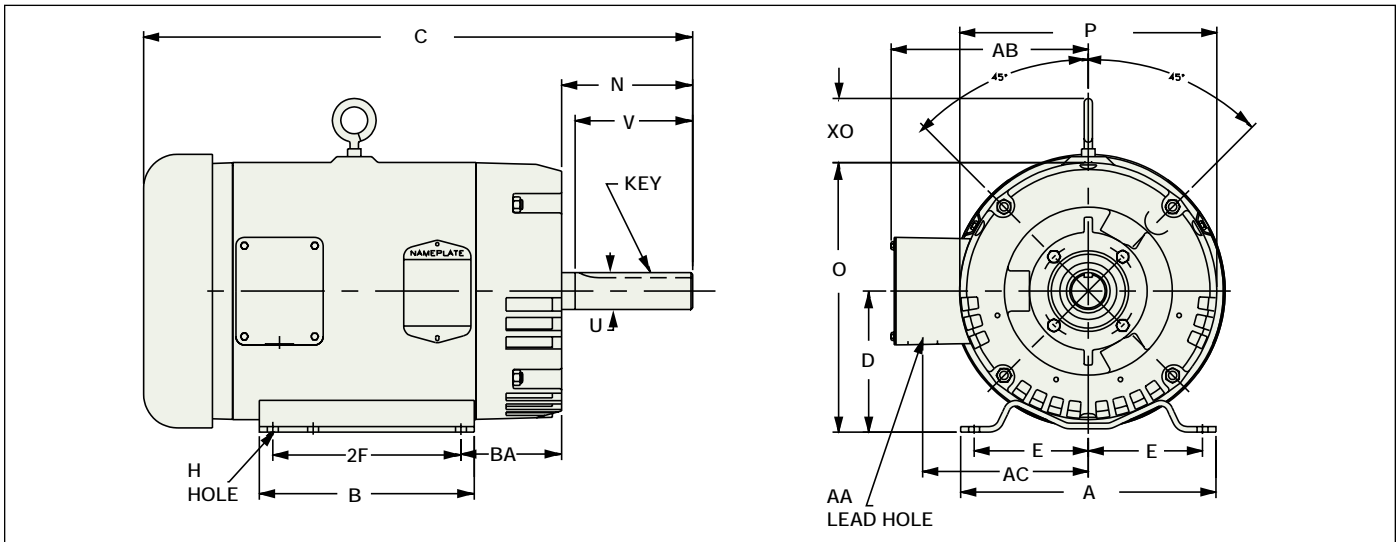
Catalog No.	Ap'x. Shpg. Wgt.
ABBAA920	7

Single Phase



Centrifugal Fan Motors

Three Phase



Nema Frame	A	B	D	E	2F	H	KEY	N	O	P	U	V	AA	AB	AC	BA	XO
182TZ 184TZ	8.63	6.50	4.50	3.75	4.50 5.50	0.41	0.25	4.00	8.44	7.88	1.125	3.75	1.06	5.85	4.88	2.75	2.63
213TZ 215TZ	9.50	8.00	5.25	4.25	5.50 7.00	.41	0.31	4.88	10.03	9.56	1.375	4.38	(1PH) 1.38 (3PH) 1.06	(1PH) 8.65 (3PH) 7.33	(1PH) 7.29 (3PH) 6.16	3.75	2.39
254TZ 700TYP 256TZ	11.25	9.50	6.25	5.00	8.25	0.53	0.38	5.31	11.03	9.56	1.625	5.00	1.38	8.33	7.17	4.25	3.00
254TZ 900TYP 256TZ	11.25	11.25	6.25	5.00	8.25 10.00	0.53	0.38	5.31	12.00	(1PH) 11.68 (3PH) 11.62	1.625	5.00	1.38	(1PH) 9.73 (3PH) 8.92	(1PH) 8.37 (3PH) 7.50	4.25	6.25
284TZ 286TZ	12.25	12.25	6.97	5.50	9.50 11.00	0.53	0.50	5.94	12.72	11.50	1.875	5.63	2.00	11.37	8.88	4.75	-

Single & Three Phase Aeration Fan Motors TEAO –Rigid Base



3/4 Thru 3 HP

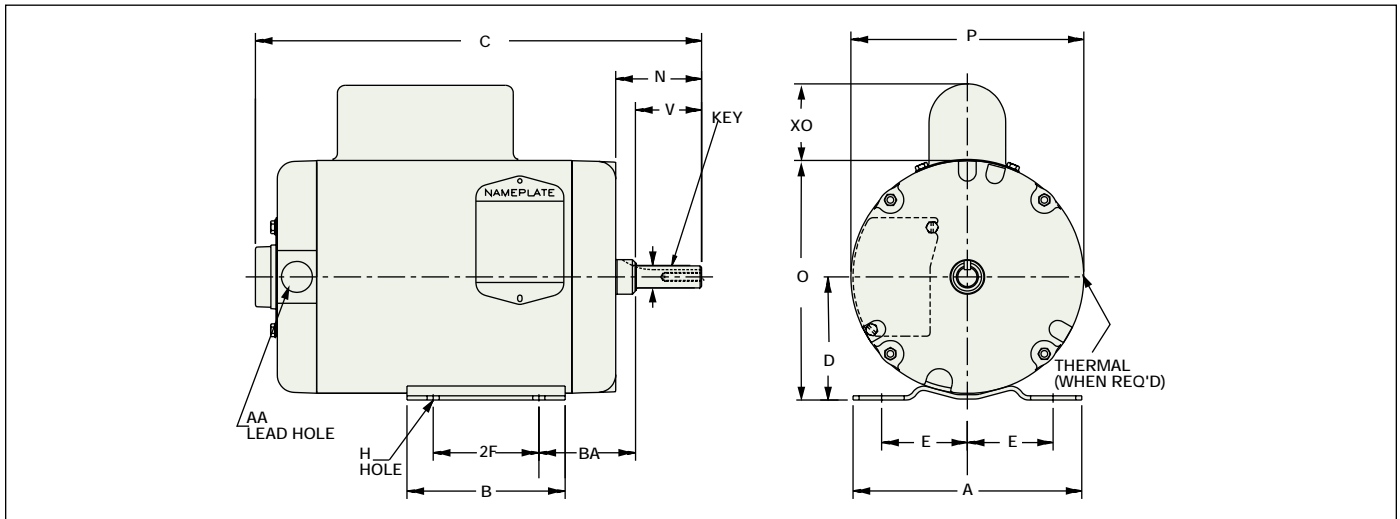
Nema 56 Thru 145TZ

Mechanical Features: Heavy gauge steel frame with seam welded base for rigidity. Ball bearings. Totally-enclosed, air-over construction protects motor from dust and debris. Farm Duty epoxy paint protects against corrosion.

Electrical Features: High efficiency design. Moisture resistant 200°C copper windings. Stator and frame dipped and baked in 100% solid polyester non-hygroscopic varnish. Automatic thermal and heavy duty, Type 1 capacitor on single phase motors. Normally closed thermostats on three phase motors.

Single Phase										
Hp	R.P.M 60 Hz	Nema Frame	Catalog No.	Type	Connection Diagram	"C" Dimension	Ap'x. Shpg. Wgt.	Eff. @ Full Load	Volt Code	
3/4	3450	56Z	AFL3520A	3420L	CD0052	11.59	25	71.0	B	
1	3450	56	AFL3521A	3524L	CD0052	12.68	41	66.0	B	
1 1/2	3450	56	AFL3525A	3528L	CD0052	12.68	43	70.0	B	
2	3450	143TZ	AFL3522A	3528L	CD0052	12.74	46	70.0	B	
2	3450	143TZ	AFL3523A	3535L	CD0052	13.61	50	74.0	B	
3	3450	145TZ	AFL3524A	3535LC	CD0225	13.61	52	74.0	C	
Three Phase										
3/4	3450	56Z	AFM3528	3413M	CD0005	10.97	21	74.0	E1	
1	3450	56Z	AFM3529	3416M	CD0005	10.97	23	75.5	E1	
1 1/2	3450	143T	AFM3530	3516M	CD0005	11.74	31	75.5	E1	
3	3450	145T	AFM3532	3535M	CD0005	13.61	52	82.5	E1	

NOTE: Voltage @ 60 Hz: B = 115/230, C = 230, E1=230/460 volts, usable at 208 volts.



Nema Frame	A	B	D	E	2F	H	KEY	N	O	P	U	V	AA	BA	XO
56 400TYP	6.56	4.25	3.50	2.44	3.00	0.34 SLOTS	0.19	2.50	6.34	5.69	0.625	1.88	0.88	2.75	1.56
56 500TYP	6.50	4.50	3.50	2.44	3.00	0.34 SLOTS	0.19	2.44	6.81	6.62	0.625	1.88	0.88	2.75	2.18
143T 145T	6.50	5.94	3.50	2.75	5.00	4.00 0.34	0.19	2.50	6.81	6.62	0.875	2.25	0.88	2.25	2.25

DIMENSIONS ARE FOR REFERENCE ONLY. CONSULT A DISTRICT OFFICE FOR CERTIFIED DIMENSIONS



Single Phase (PSC) Direct Drive Fan Motors TEAO – Resilient Base & Rigid Base



1/4 Thru 3/4 HP

Nema 48Z Thru 56Z

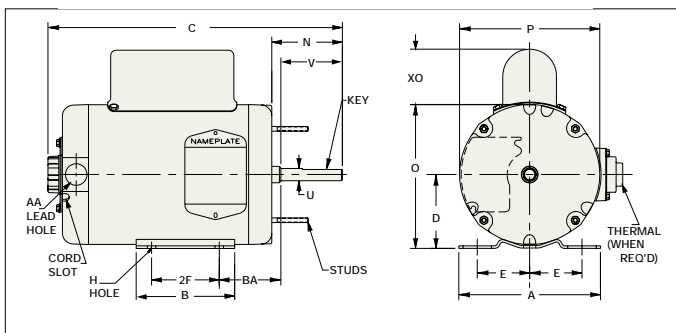
Mechanical Features: Double sealed bearings with Dolium R grease, rugged steel frame, corrosion resistant epoxy finish. 1" long extended thru bolts.

Electrical Features: Permanent split capacitor capable of two speed operation at 115 VAC. Automatic thermal overload. Terminal strip. Moisture resistant 200° C copper windings. Windings and steel frame dipped and baked in 100% solid polyester non-hygroscopic varnish.

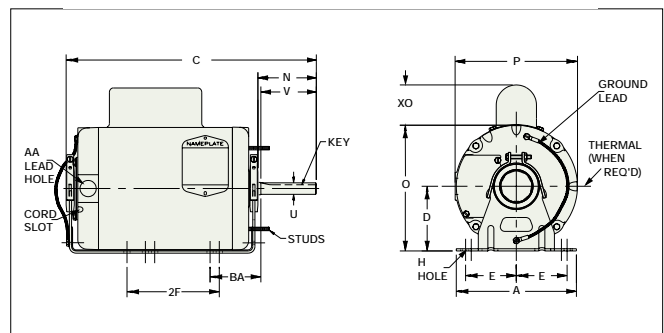
Resilient Base									
Hp	R.P.M 60 Hz	Nema Frame	Catalog No.	Type	Connection Diagram	"C" Dimension	Ap'x. Shpg. Wgt.	Eff. @ Full Load	Volt Code
1/4	1700	48Z	CHC3413A ♦	3414C	CD0381	11.35	22	54.0	B
1/4	1100	48Z	CHC3414A ♦	3418C	CD0381	11.97	25	51.0	B
1/3	1700	48Z	CHC3416A ♦	3418C	CD0381	11.97	25	56.0	B
1/3	1100	48Z	CHC3417A ♦	3421C	CD0381	11.97	27	54.0	B
1/2	1725	56Z	CHL3523A §	3421L	CD0052	12.72	28	68.0	B1
1/2	1700	56Z	CHC3524A ♦	3421C	CD0381	12.72	28	67.0	B
1/2	1100	56Z	CHC3525A ♦	3528C	CD0381	13.54	43	62.0	B
1/2	825	56Z	CHC3526A ♦	3535C	CD0381	14.42	52	50.0	B
3/4	1125	56Z	CHC3528A ♦	3535C	CD0381	14.42	50	71.0	B
Rigid Base									
1/4	1625	48Z	PSC3413A ♦	3411C	CD0028	11.34	20	65.5	B
1/3	1625	48Z	PSC3416A ♦	3414C	CD0028	11.34	21	62.0	B
1/2	1625	48Z	PSC3524A ♦	3418C	CD0028	11.96	24	65.0	B

NOTE: Voltage @ 60 Hz: B = 115/230, B1= 115/230 usable at 208 volts.
V-Dimension on Nema 48Z is 2.5" and V- Dimension on Nema 56Z is 3".

Rigid Base



Resilient Base



Nema Frame	A	B	D	E	2F	H	KEY	N	O	P	U	V	AA	BA	XO
48Z	5.75	4.00	3.00	2.13	2.75	0.34 SLOT	FLAT 0.047	2.87* 2.62	5.85	5.69	0.50	2.50	0.88	2.50	2.25
56Z 400TYP	6.50	-	3.50	2.44	3.00	0.34 SLOT	0.19	3.31	6.34	5.72	0.625	3.00	0.88	2.75	1.56(L) 2.25
56Z 500TYP 56HZ	6.50	-	3.50	2.44 2.75	3.00	0.34 SLOT	0.19	3.16	6.81	6.62	0.625	3.00	0.88	2.75	2.18

NOTE: L= Capacitor Start, Induction Run.
* N=2.87 for rigid base motors.





Single Phase Grain Stirring Motor TEFC – Rigid Base

1 1/2 HP

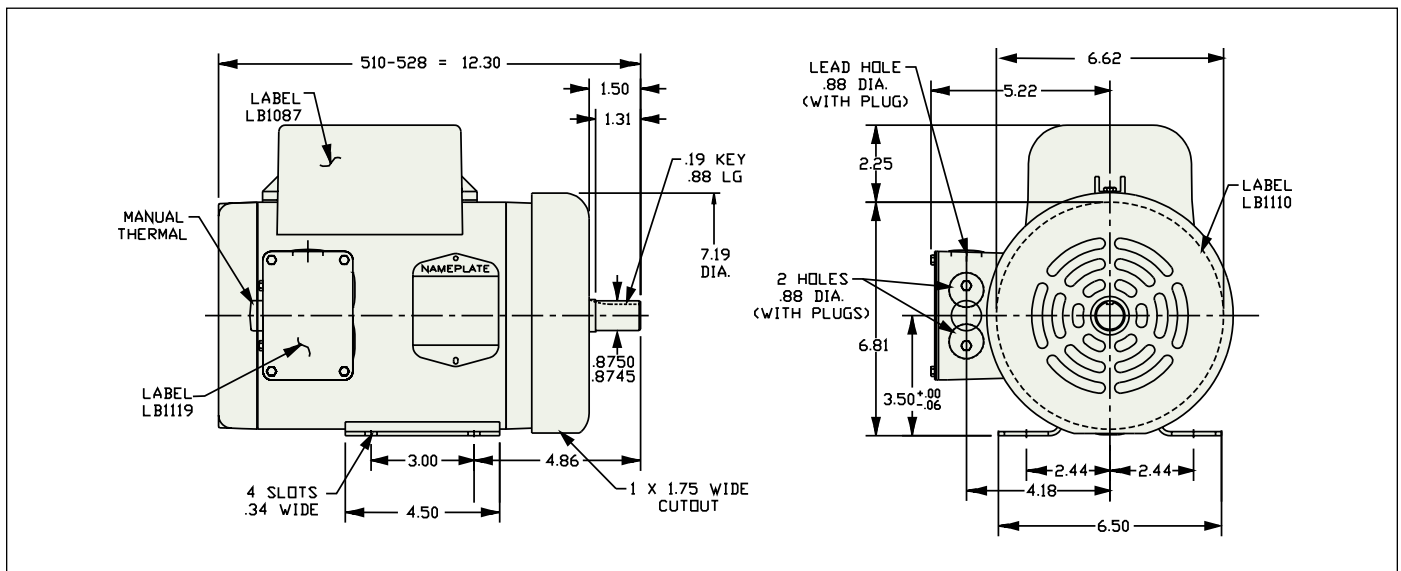
Nema 56Z

Mechanical Features: TEFC construction, machined fits, gaskets, slotted fan cover designed to prevent grain clogging. Polyester coated steel frame, corrosion resistant epoxy paint. Heavy steel base, seam welded to stator frame. Manual thermal overload, sealed and located in conduit box. Three lead hole locations for easy installation.

Electrical Features: Manual thermal overload. Moisture resistant 200° C copper windings. Stator and steel frame dipped and baked in 100% solid polyester non-hygroscopic varnish. Heavy duty Type 1 capacitor. 115 volt accessory tap in conduit box.

Hp	R.P.M 60 Hz	Nema Frame	Catalog No.	Type	Connection Diagram	"C" Dimension	Ap'x. Shpg. Wgt.	Eff. @ Full Load	Volt Code
1 1/2	1725	56Z	GSL3509M †‡	3528LC	CD0370	12.30	45	79.0	C

NOTE: Voltage @ 60 Hz: C = 230 volts.





Single Phase Auger Drive Motors TEFC – Flange Mount, Capacitor-Start

1/3 Thru 1 1/2 HP

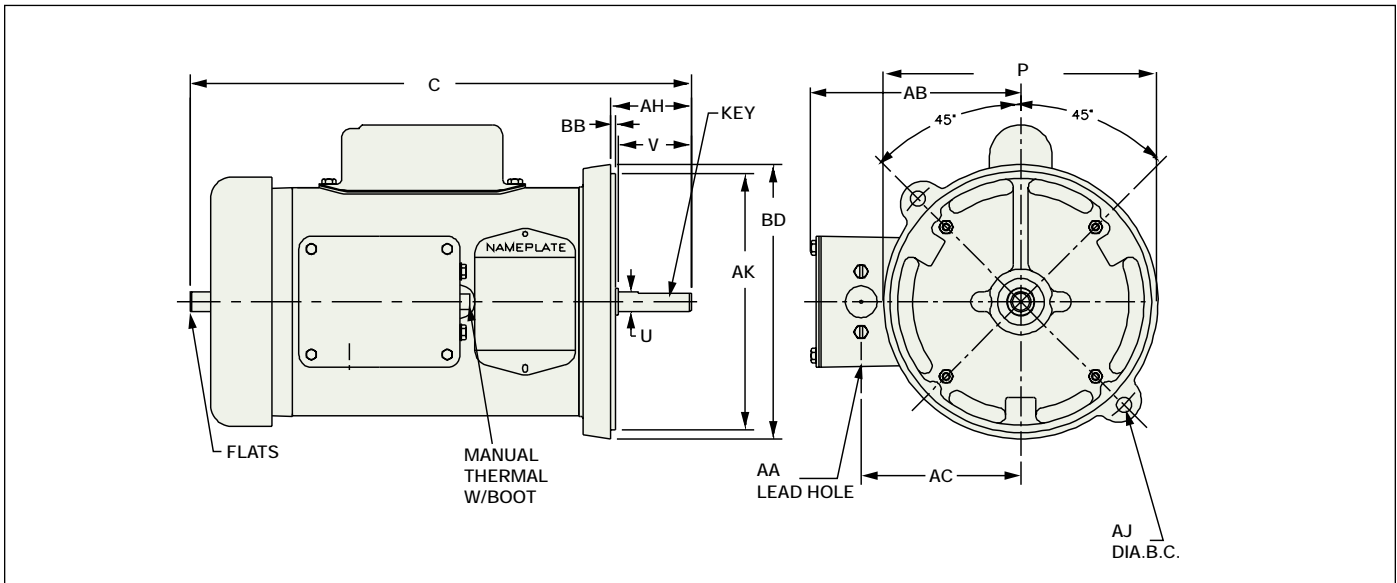
Nema 56N Flange

Mechanical Features: Durable epoxy paint, TEFC construction with machined fits. Gasketed capacitor and oversize conduit box. Manual reset thermal protector. Extended shaft with wrench flats for manual jogging of auger. NEMA 56N flange connects to the drive/gear box assembly.

Electrical Features: High efficiency design. Moisture resistant 200° C copper windings. Stator and steel frame dipped and baked in 100% solid polyester non-hygroscopic varnish. Heavy duty Type 1 capacitor. Electronic switch.

Hp	R.P.M 60 Hz	Nema Frame	Catalog No.	Type	Connection Diagram	"C" Dimension	Ap'x. Shpg. Wgt.	Eff. @ Full Load	Volt Code
1/3	1725	48YZ	ANFL3501M	3414L	CD0008	12.44	24	60.0	B1
1/2	1725	48YZ	ANFL3504M	3421L	CD0008	12.44	28	68.0	B1
3/4	1725	48YZ	ANFL3507M	3428LC	CD0320	13.32	35	74.0	B1
1	1725	56YZ	ANFL3510M	3524L	CD0269	13.55	41	67.0	B1
1.5	1725	56YZ	ANFL3514M	3532LC	CD0320	14.43	51	75.5	B1

NOTE: Voltage @ 60 Hz: B1= 115/230 volts usable at 208 volts.



Nema Frame	P	U	V	AA	AB	AC	AH	AJ	AK	BB	BD
48YZ 400TYP	5.68	0.50	1.81	0.88	5.21	3.97	2.00	7.25	6.37	0.12	6.82
56YZ 500TYP	6.62	0.625	1.94	0.88	5.73	4.62	2.06	7.25	6.37	0.12	6.82

Single Phase Auger Drive Gear Motors TEFC – Flange Mount, Capacitor-Start



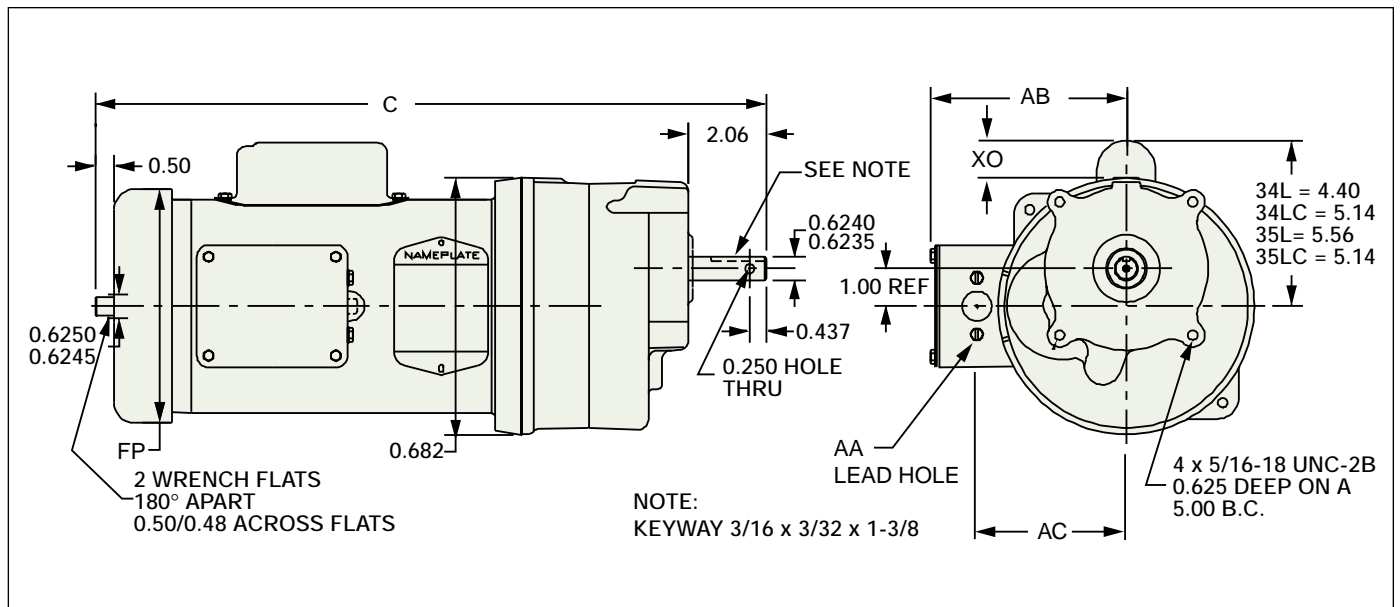
1/4 Thru 1 1/2 HP

Mechanical Features: Motor and gear reducer from one source with guaranteed performance. Gear reducer is assembled to motor. Industry standard mounting. Lubricated for life with synthetic oil suitable for operation from -40°F to +125°F.

Electrical Features: High efficiency design. Moisture resistant 200° C copper windings. Stator and steel frame dipped and baked in 100% solid polyester non-hygroscopic varnish. Heavy duty Type 1 capacitor. Electronic switch.

Motor Hp	Output R.P.M. 60 Hz	Gear Ratio	Output Torque Lbs-In	Motor Type & Gear Style	Gearmotor Catalog No.	Connection Diagram	Ap'x Shpg. Wgt.	Volt Code
1/4	354	4.870:1	43	3411L-GAD2	GAL34106M	CD0269	29	A
1/4	67	25.809:1	222	3411L-GAD3	GAL34124M	CD0269	33	A
1/3	354	4.870:1	57	3414L-GAD2	GAL34206M	CD0008	34	A
1/3	67	25.809:1	295	3414L-GAD3	GAL34224M	CD0008	36	A
1/2	354	4.870:1	85	3421L-GAD2	GAL34306M	CD0008	35	A
3/4	354	4.870:1	128	3428L-GAD3	GAL34406M	CD0320	44	A
1	354	4.870:1	171	3524L-GAD2	GAL35506M	CD0637	47	A
1 1/2	354	4.870:1	256	3532LC-GAD2	GAL35606M	CD0637	58	A

NOTE: Voltage @ 60 Hz: A = 115/208-230 volts.



Nema Frame	Type Number	C	AA	AB	AC	FP	XO
48YZ	3411-3421	16.38	0.88	5.16	3.97	6.18	1.0
56YZ	3524	17.50	0.88	5.81	4.62	7.18	2.16
500TYP	3532	18.38	0.88	5.81	4.62	7.18	2.16

Single Phase Instant Reversing Motors TEFC – Rigid Base



3/4 Thru 2 HP

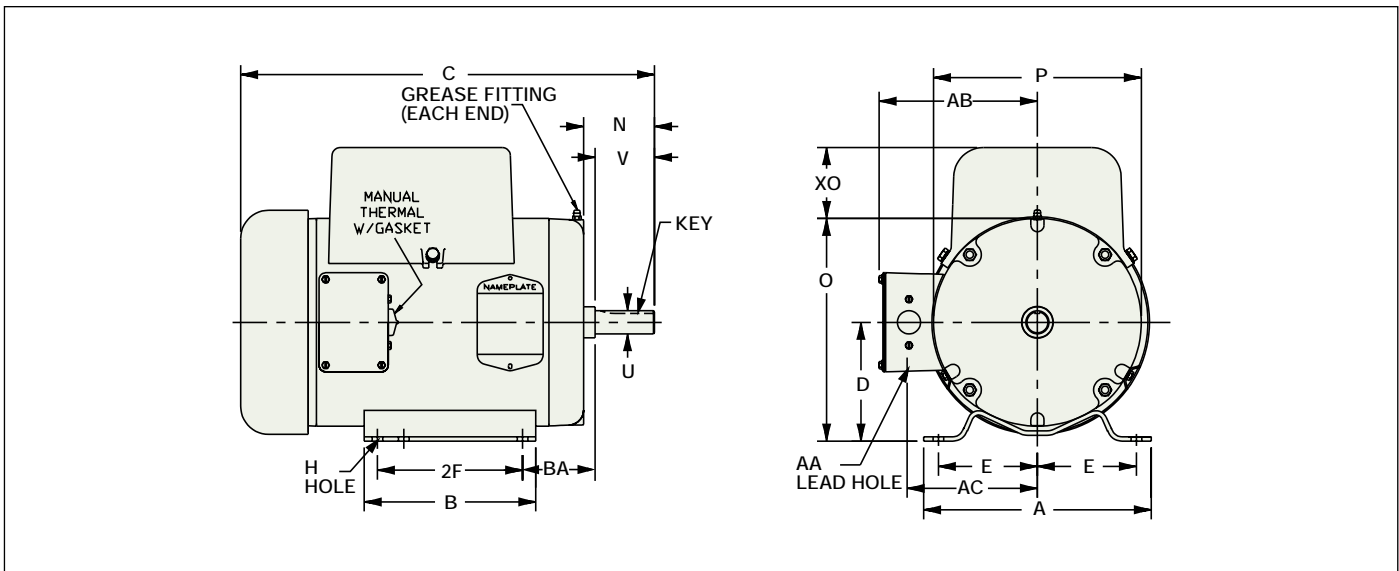
Nema 56 Thru 184

Mechanical Features: Heavy gauge steel construction. Farm Duty epoxy paint. Gasket sealed capacitor and conduit box. Manual thermal with cover mounted in conduit box. Ball bearings. Condensation drains.

Electrical Features: Designed for demanding instant reverse applications. Moisture resistant 200°C copper windings. Stator and steel frame dipped and baked in 100% solid polyester non-hygroscopic varnish. Heavy duty Type 1 capacitor.

Hp	R.P.M 60 Hz	Nema Frame	Catalog No.	Type	Connection Diagram	"C" Dimension	Ap'x. Shpg. Wgt.	Eff. @ Full Load	Volt Code
3/4	1725	56	IR3507M	3524L	CD0045	13.25	41	65.0	C
1	1725	56	IR3510M †*	3528L	CD0045	13.25	46	65.0	C
1 1/2	1725	184	IR3603M	3628L	CD0045	15.68	68	69.0	C
2	1725	184	IR3605M	634L	CD0045	15.68	75	71.0	C

NOTE: Voltage @ 60 Hz: C - 230 volts.



Nema Frame	A	B	D	E	2F	H	KEY	N	O	P	U	V	AA	AB	BA	XO
56	6.50	4.50	3.50	2.44	3.00	0.34 SLOT	0.19	2.44	6.81	6.62	0.625	1.88	0.88	5.22	2.75	2.25
182					4.50											
184	8.63	6.50	4.50	3.75	5.05	0.41	0.19	2.69	8.44	7.88	0.875	2.25	1.09	6.00	2.75	2.69



Three Phase Feather Picker Motors TEFC

2 Thru 3 HP

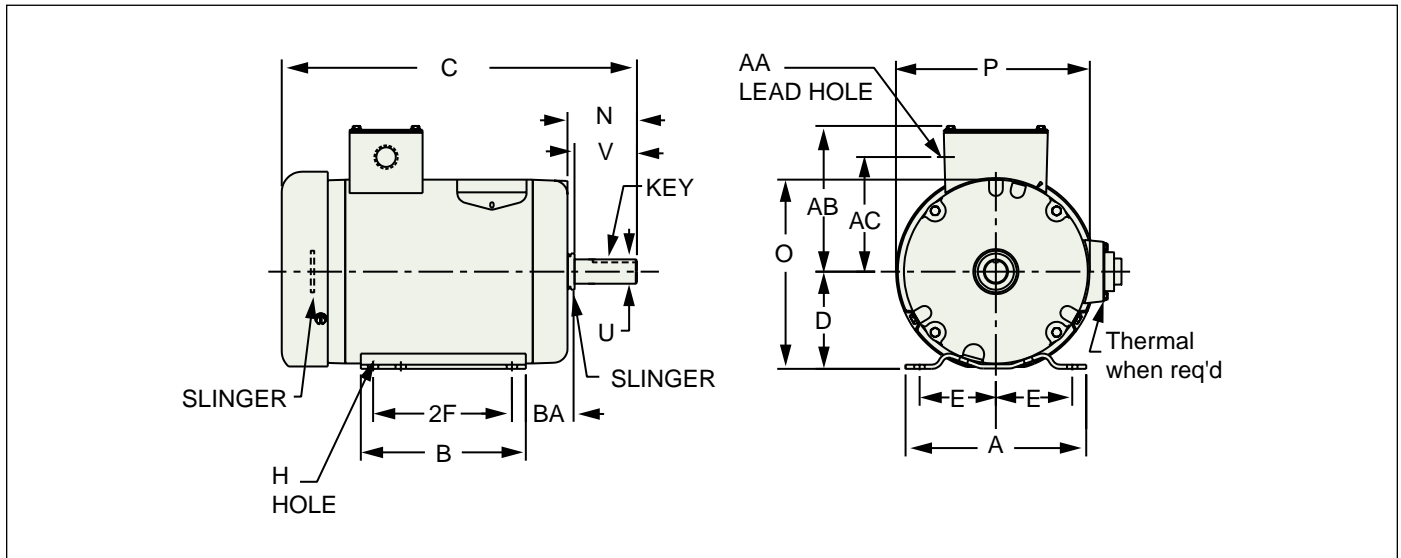
Nema 145T

Mechanical Features: Interchangeable to most OEM equipment including MEYN and GAMCO.

Electrical Features: Moisture resistant ISR™ 200°C magnet wire. Sealed ball bearings with moisture resistant grease. Tropicalized.

Hp	R.P.M 60 Hz	Nema Frame	Catalog No.	Type	Connection Diagram	"C" Dimension	Ap'x. Shpg. Wgt.	Eff. @ Full Load	Volt Code
2	1750	145T	WDM3558TP	3528M	CD0005	12.79	45	84.0	E1
3	1750	145T	WDM3561TP	3546M	CD0005	15.04	66	87.5	E1

NOTE: Voltage @ 60 Hz: E1 = 230/460 volts usable at 208 volts.



Nema Frame	A	B	D	E	2F	H	KEY	N	O	P	U	V	AA	AB	AC	BA
145T	6.50	5.94	3.50	2.75	4.00 5.00	0.34	0.19	2.50	6.81	6.62	0.875	2.25	0.50 NPT	5.25	4.13	2.25



Single Phase Washdown Duty Motor TEFC

1/2 Thru 20 HP

Nema 56/56C Thru 256TC

Mechanical Features: Moisture sealant on both ends between frame and end-plates. Neoprene gaskets. Double sealed bearings. Shaft Seal. Forsheda® running contact v-ring slinger. Stainless steel shaft. Electrostatic epoxy paint.

Electrical Features: Class F insulation. Tropicalized. Moisture resistant 200°C copper windings. Stator and steel frame dipped and baked in 100% solid polyester non-hygroscopic varnish.

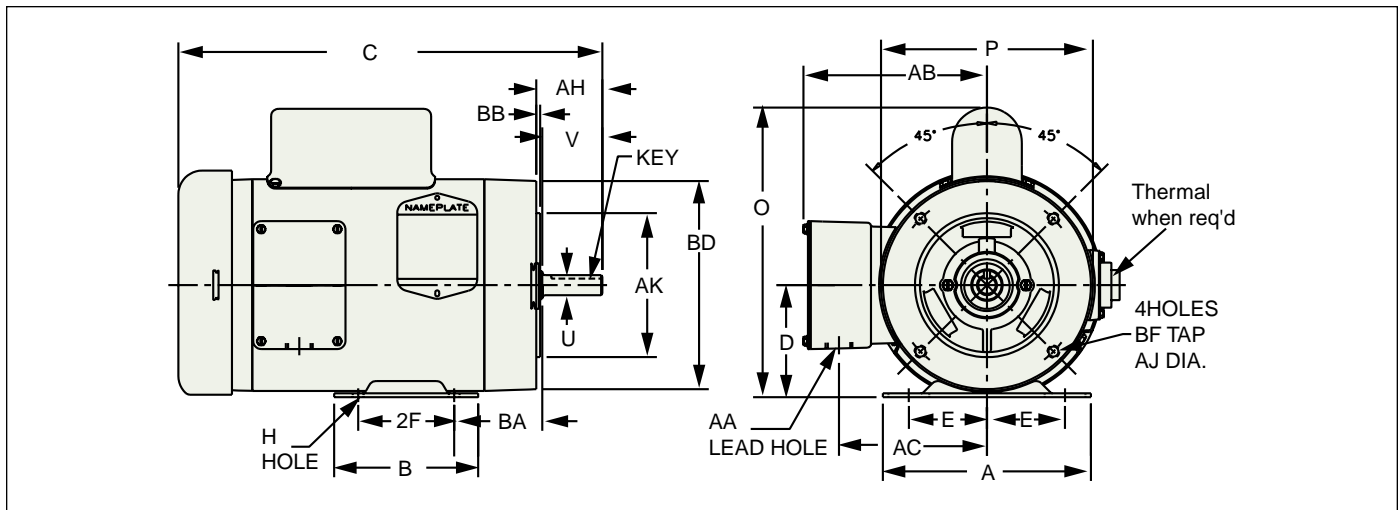
Single Phase, C-Face with Base

Hp	R.P.M 60 Hz	Nema Frame	Catalog No.	Type	Connection Diagram	"C" Dimension	Ap'x. Shpg. Wgt.	Eff. @ Full Load	Volt Code
1/2	1725	56C	CWDL3504 †*	3520L	CD0001	12.25	37	64.0	B1
3/4	1725	56C	CWDL3507 †*	3524L	CD0001	13.25	43	66.0	B1
1	3450	56C	CWDL3509 †*	3524L	CD0001	13.25	33	66.0	B1
1	1725	56C	CWDL3510 †*	3524L	CD0001	13.25	43	67.0	B1
1 1/2	3450	56C	CWDL3513 †*	3528L	CD0001	13.25	48	70.0	B1
1 1/2	1725	56C	CWDL3514 †*	3532LC	CD0016A01	14.12	51	75.5	B1

Single Phase, C-Face less Base

1/2	1725	56C	VWDL3504 †*	3520L	CD0001	12.25	35	64.0	E1
3/4	1725	56C	VWDL3507 †*	3520L	CD0001	12.25	38	68.0	E1
1	1725	56C	VWDL3510 †*	3524L	CD0001	13.25	42	67.0	E1
1 1/2	1725	56C	VWDL3514 †*	3532LC	CD0016A01	14.12	50	75.5	E1

NOTE: Voltage @ 60 Hz: B1= 115/230 usable at 208 volts, E1= 230/460 usable at 208 volts.



Nema Frame	A	B	D	E	2F	H	KEY	O	P	U	V	AA	AB	AC	AH	AJ	AK	BA	BB	BD	TAP BF
56C	6.50	4.50	3.50	2.44	3.00	0.34 SLOT	0.19	6.81	6.62	0.625	1.88	0.50 NPT	5.24	4.12	2.06	5.88	4.50	2.75	0.12	6.50	3/8-16

Three Phase Irrigation Tower Drive Motors TENV C-Face Less Base



1 HP

Nema 56

Mechanical Features: Sealed fit at endplates. Sheds water. Conduit box cast into front endplate. Epoxy paint. High overload capabilities. The "P" indicates less pulley endplate for integral mounting; can be field modified for older design gear boxes with internal thru bolts.

Electrical Features: High efficiency design. Moisture resistant 200°C copper windings. Stator and steel frame dipped and baked in 100% solid polyester non-hygroscopic varnish. High temperature insulation. Automatic thermal overload.

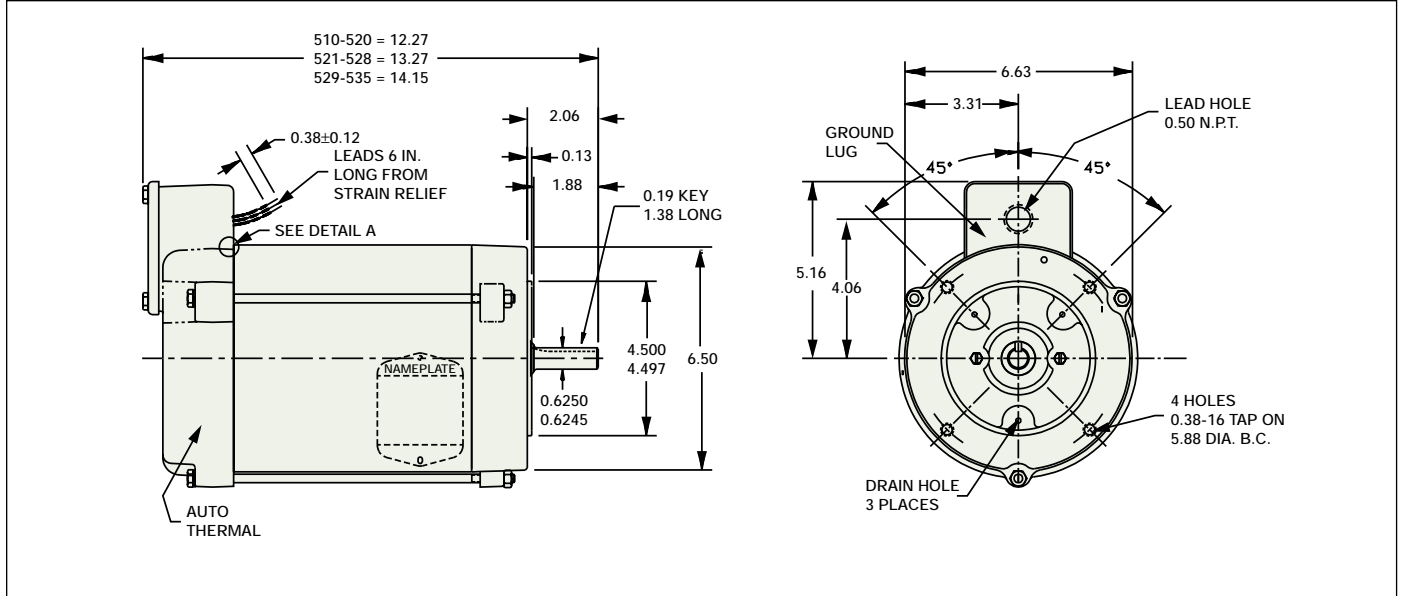
Motor Less Pulley Endplate

Hp	R.P.M 60 Hz	Nema Frame	Catalog No.	Type	Connection Diagram	"C" Dimension	Ap'x. Shpg. Wgt.	Eff. @ Full Load	Volt Code
1	1425-1725	56YZ	IM3540A-P♦□	3524M	CD0003	11.06	38	79.0	N

Complete Motor as Pictured

1	1425-1725	56C	IM3540A ♦□	3524M	CD0003	13.27	44	79.0	N
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NOTE: Price does not include a gear box.
Voltage @ 50/60 Hz: N = 380/460 volts.





Single Phase Super-E® Premium Efficient TEFC and OPEN – Rigid Base

1 Thru 5 HP

Nema 48 Thru 215

Mechanical Features: Heavy gauge steel frames. Ball bearings. Copper windings. Low-loss electrical grade lamination steel.

Electrical Features: Super-E® single phase motors are designed to conserve energy when operated over extended time periods.

Totally Enclosed, Fan-Cooled

Hp	R.P.M 60 Hz	Nema Frame	Catalog No.	Type	Connection Diagram	"C" Dimension	Ap'x. Shpg. Wgt.	Eff. @ Full Load	Volt Code
1/4	1745	48	EL3403 †*	3414LC	CD0055	11.38	24	74.0	B
1/3	1740	56	EL3501 †*	3418LC	CD0055	12.00	28	77.0	B
1/2	1745	56	EL3504 †*	3424LC	CD0055	12.00	32	78.5	B
3/4	1755	56	EL3507 †*	3528LC	CD0055	13.25	44	82.5	B
1	1760	56H	EL3510 †*	3532LC	CD0055	13.81	50	82.5	B
1 1/2	1760	56H	EL3514 †*	3540LC	CD0055	15.18	60	84.0	B
1 1/2	1760	145T	EL3514T †*	3540LC	CD0055	15.46	60	84.0	B
2	1745	184T	EL3605T †*	3623LC	CD0055	16.46	69	82.5	B
3	1755	184T	EL3609T †*	3640LC	CD0017A02	18.06	93	85.5	C
5	1735	184T	EL3612T †♦	3646LC	CD0017A02	18.06	99	86.5	C

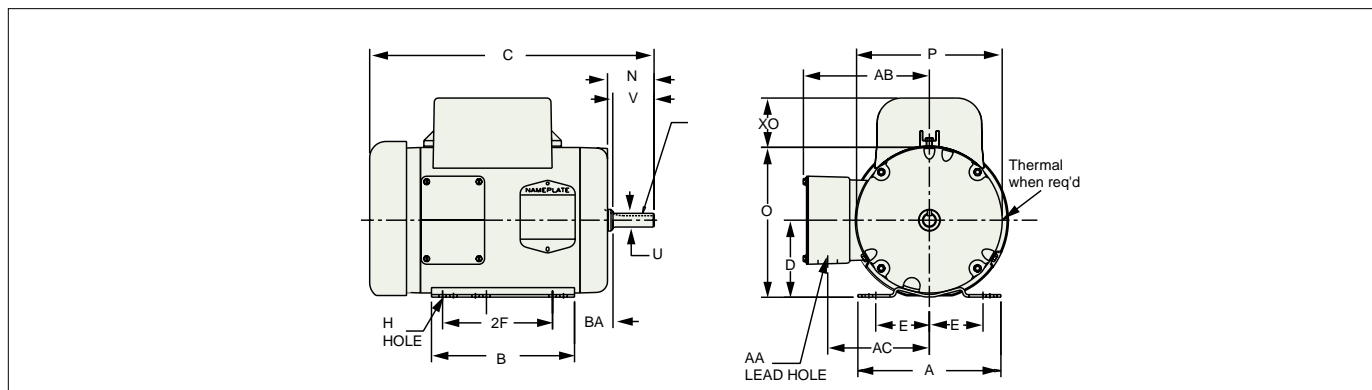
Open Drip Proof

1/4	1745	48	EL1203 †*	3414LC	CD0055	9.76	23	74.0	B
1/3	1740	56	EL1301 †*	3418LC	CD0055	10.13	26	77.0	B
1/2	1745	56	EL1304 †*	3424LC	CD0055	11.00	31	78.5	B
3/4	1755	56	EL1307 †*	3524LC	CD0055	12.06	39	84.0	B
1	1755	56	EL1310 †*	3528LC	CD0055	12.94	43	84.0	B
1 1/2	1755	56H	EL1319 †*	3535LC	CD0055	14.31	50	85.5	B
1 1/2	1755	145T	EL1319T †*	3535LC	CD0055	13.00	52	85.5	B
2	1745	182T	EL1405T †*	3623LC	CD0055	15.87	68	82.5	B
3	1755	184T	EL1408T †*	3628LC	CD0017A02	16.50	74	85.5	C
5	1745	184T	EL1410T †*	3640LC	CD0017A02	18.00	100	86.5	C

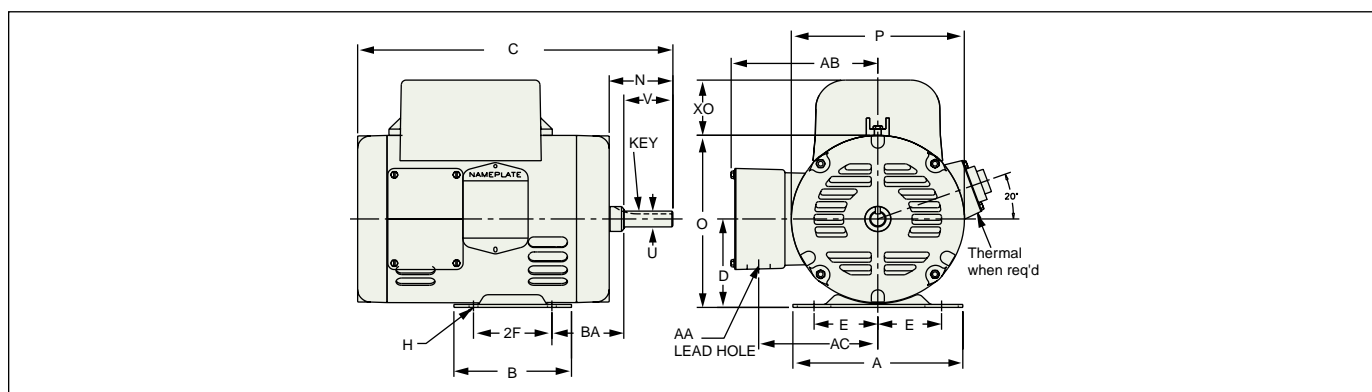
NOTE: Voltage @ 60 Hz: B = 115/230, C = 230 volts.

Super-E® Premium Efficient

Nema 48 Thru 215T
Totally Enclosed, Fan Cooled



Nema Frame	A	B	D	E	2F	H	KEY	N	O	P	U	V	AA	AB	AC	BA	XO
48 400TYP	5.75	4.00	3.00	2.13	2.75	0.34	FLAT 0.047 SLOT 1.12 LONG	1.87	5.85	5.69	0.50	1.50	0.88	4.51	3.53	2.50	2.31
56 400TYP	6.56	4.25	3.50	2.44	3.00	0.34	0.18	2.50	6.34	5.69	0.62	1.88	0.88	4.51	3.53	2.75	2.30
500TYP	6.50	4.50	3.50	2.44	5.00	0.34	0.18	2.47	6.81	6.62	0.62	1.88	0.88	5.73	4.62	2.75	2.24
56H		6.50			5.00			2.12									2.25
143T					4.00												
145T	6.50	5.94	3.50	2.75	5.00	0.34	0.19	2.50	6.81	6.62	0.87	2.25	0.88	5.73	4.62	2.25	2.25
182T					4.50												
184T	8.63	6.50	4.50	3.75	5.50	0.41	0.25	2.68	8.44	7.88	1.12	2.75	1.09	6.87	5.75	2.75	2.69



Nema Frame	A	B	D	E	2F	H	KEY	N	O	P	U	V	AA	AB	AC	BA	XO
48 400TYP	5.75	4.00	3.00	2.13	2.75	0.34	FLAT 0.047 SLOT 1.12 LONG	1.75	5.85	5.69	0.50	1.50	0.88	4.41	3.47	2.50	2.25
56 400TYP	6.56	4.25	3.50	2.44	3.00	0.34	0.19	2.13	6.34	5.69	0.62	1.88	0.88	4.41	3.47	2.75	2.25
500TYP	6.50	4.50	3.50	2.44	3.00	0.34	0.19	1.88	6.81	6.62	0.62	1.88	0.88	5.61	4.56	2.75	2.18
56H		6.50			5.00												
143T					4.00												
145T	6.50	5.94	3.50	2.75	5.00	0.34	0.19	2.50	6.81	6.62	0.87	2.25	0.88	5.67	4.62	2.25	2.18
182T					4.50												
184T	8.63	6.50	4.50	3.75	5.50	0.41	0.25	3.56	8.44	6.87	1.12	2.34	1.09	6.87	5.76	2.75	2.63



Single Phase Jet Pump Motors TEFC and ODP

1/3 Thru 3 HP

Nema 56C and 56J

Mechanical Features: Die cast aluminum end plates with machined steel bearing seat insert. Stainless steel threaded shaft. Heavy gauge steel frame.

Electrical Features: High efficiency design. Moisture resistant 200°C copper windings. Stator and steel frame dipped and baked in 100% solid polyester non-hygroscopic varnish. High temperature insulation.

Totally- Enclosed, Fan-Cooled										
Stainless Steel Threaded Shaft 56J Less Base										
Hp	R.P.M 60 Hz	Nema Frame	Catalog No.	Type	Connection Diagram	"C" Dimension	Ap'x. Shpg. Wgt.	Eff. @ Full Load	Volt Code	S.F.
1/3	3450	56J	JL3405A	3416L	CD0094	11.85	23	-	B	1.75
1/3	1725	56J	JL3501A	3414L	CD0094	11.85	21	60.0	B1	1.35
1/2	3450	56J	JL3503A	3420L	CD0094	12.90	25	62.0	B	1.6
1/2	1725	56J	JL3504A	3421L	CD0094	12.85	26	68.0	B1	1.25
1	3450	56J	JL3509A	3524L	CD0094	13.74	40	66.0	B	1.25
1	1725	56J	JL3510A	3528L	CD0094	13.74	42	67.0	B	1.00
1 1/2	3450	56J	JL3513A	3528L	CD0094	13.74	44	70.0	B	1.00
1 1/2	1725	56J	JL3514A	3532LC	CD0098A02	14.62	49	75.5	B	1.00
2	3450	56J	JL3515A	3535L	CD0449	14.62	54	74.0	B	1.00
2	1725	56J	JL3516A	3535LC	CD0308	14.62	53	78.0	B	1.00
Stainless Steel Threaded Shaft 56J with Base										
1/3	1725	56J	CJL3501A	3414L	CD0094	11.84	23	60.0	B1	1.35
1/2	1725	56J	CJL3504A	3421L	CD0094	12.47	28	68.0	B1	1.25
3/4	1725	56J	CJL3507A	3428LC	CD0094	12.97	35	74.0	B1	1.25
Open Drip Proof										
Stainless Steel Threaded Shaft 56J less Base										
1/3	3450	56J	JL1205A	3416L	CD0203	11.89	23	58.0	B	1.75
1/3	1725	56J	JL1301A	3414L	CD0203	11.89	23	60.0	B1	1.35
1/2	3450	56J	JL1303A	3420L	CD0307	12.51	26	66.0	B	1.60
1/2	1725	56J	JL1304A	3418L	CD0203	12.14	25	62.0	B1	1.25
3/4	3450	56J	JL1306A	3424L	CD0307	13.39	28	69.0	B	1.50
3/4	1725	56J	JL1307A	3428L	CD0203	13.89	33	68.0	B1	1.25
1	3450	56J	JL1309A	3428L	CD0203	13.89	30	65.0	B	1.40
1	1725	56J	JL1318A	3528L	CD0307	13.25	41	67.0	B	1.00
1 1/2	3450	56J	JL1313A	3432LC	CD0769	13.89	37	78.5	B	1.30
1 1/2	1725	56J	JL1319A	3528L	CD0203	13.25	42	-	B	1.00
2	3450	56J	JL1317A	3528L	CD0307	13.25	44	70.0	B	1.20
2	1725	56J	JL1322A	3532LC	CD0769	14.13	50	78.5	B	1.15
3	3450	56J	JL1323A	3535LC	CD0661	14.13	51	82.5	C	1.15

NOTE: ALL ABOVE RATINGS ARE UL 1081 APPROVABLE.
SEE THE MOD EXPRESS PROGRAM SECTION IN CATALOG 501 FOR MORE DETAILS.
All threaded shaft single phase motors are connected for single rotation - CCW when viewing drive end.
Voltage @ 60 Hz: B - 115/230, B1= 115/230 usable at 208 volts.

Single Phase Jet Pump Motors ODP Contd...

Open Drip Proof										
Keyed Shaft 56C Less Base										
Hp	R.P.M 60 Hz	Nema Frame	Catalog No.	Type	Connection Diagram	"C" Dimension	Ap'x. Shpg. Wgt.	Eff. @ Full Load	Volt Code	S.F.
1/2	3450	56C	VL1303A	3420L	CD0052	12.00	26	66.0	B	1.60
3/4	3450	56C	VL1306A	3424L	CD0052	12.88	30	69.0	B	1.50
3/4	1725	56C	VL1307A	3520L	CD0052	11.75	34	63.0	B	1.25
1	3450	56C	VL1309A	3428L	CD0052	13.40	32	65.0	B	1.40
1	1725	56C	VL1318A ♦	3528L	CD0052	12.75	41	67.0	B	1.00
1 1/2	3450	56C	VL1313A	3432LC	CD0703	12.75	37	78.5	B	1.30
2	3450	56C	VL1317A	3528L	CD0052	12.75	44	70.0	B	1.20
3	3450	56C	VL1323A	3535LC	CD0225	13.63	52	82.5	C	1.15
Stainless Steel Threaded Shaft 56J With Base										
1/3	3450	56J	CJL1205A	3416L	CD0307	11.91	24	58.0	B	1.75
1/3	1725	56J	CJL1301A	3414L	CD0307	11.88	23	60.0	B	1.35
1/2	3450	56J	CJL1303A	3420L	CD0307	12.51	27	66.0	B	1.60
1/2	1725	56J	CJL1304A	3418L	CD0307	12.14	26	62.0	B1	1.25
3/4	3450	56J	CJL1306A	3424L	CD0307	13.39	29	69.0	B	1.50
3/4	1725	56J	CJL1307A	3520L	CD0307	12.25	34	63.0	B	1.25
1	3450	56J	CJL1309A	3520L	CD0203	13.89	33	67.0	B	1.40
1 1/2	3450	56J	CJL1313A	3524L	CD0769	13.89	37	72.0	B	1.30
2	3450	56J	CJL1317A	3528L	CD0307	13.25	44	70.0	B	1.20

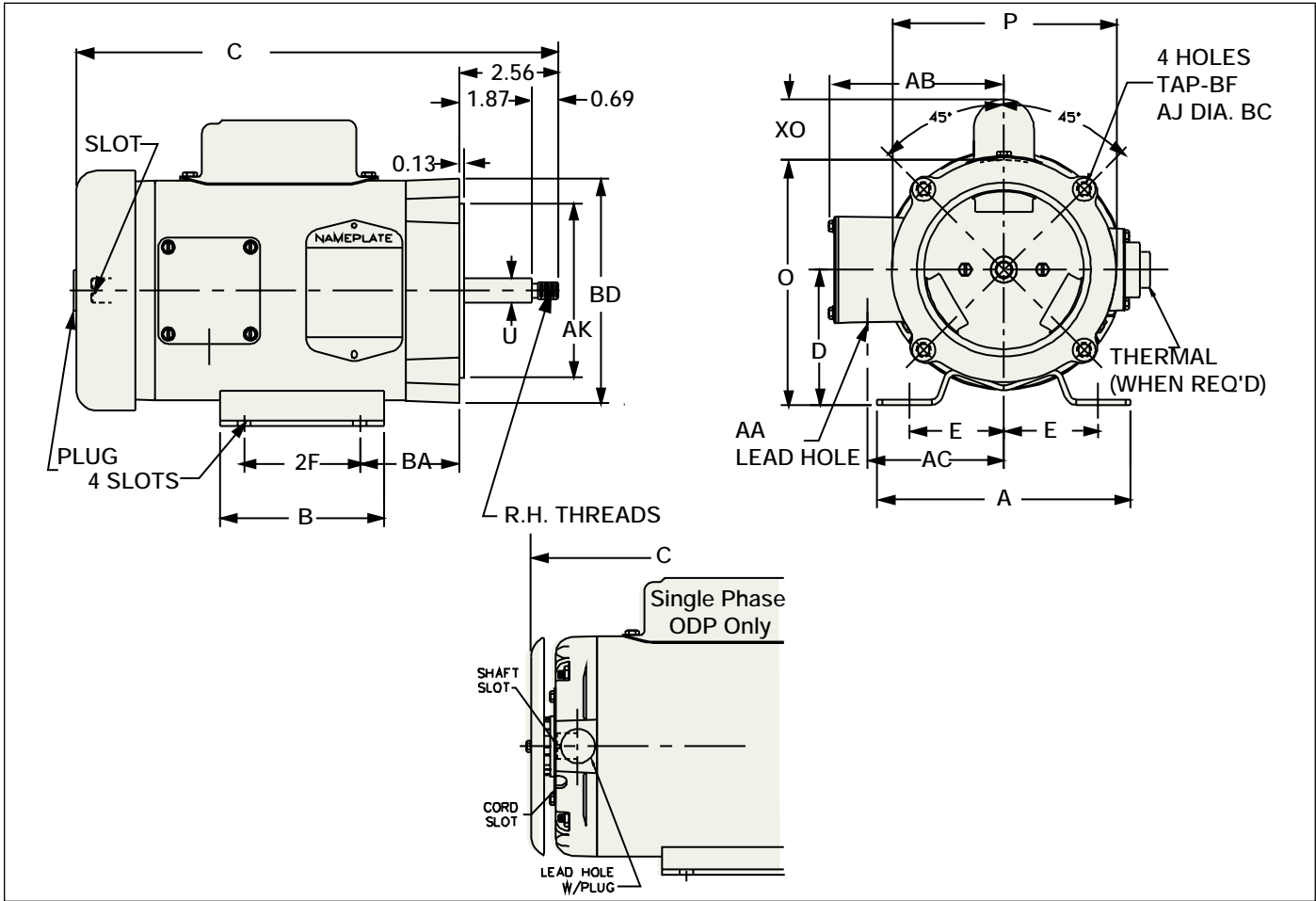
NOTE: ALL ABOVE RATINGS ARE UL 1081 APPROVABLE.

SEE THE MOD EXPRESS PROGRAM SECTION IN CATALOG 501 FOR MORE DETAILS.

All threaded shaft single phase motors are connected for single rotation - CCW when viewing drive end.

Voltage @ 60 Hz: B - 115/230, C = 230, B1= 115/230 usable at 208 volts.

Jet Pump Motors



Nema Frame	A	B	D	E	2F	H	O	P	AA	AB	AC	AK	A	BD	FP	XO
56J						0.34										1.56(L)
400TYP	6.56	4.25	3.50	2.44	3.00	SLOT	6.34	5.61	0.88	4.51	3.53	4.50	2.56	5.87	6.19	2.34(LC)
56J						0.34										
500TYP	6.50	4.50	3.50	2.44	3.00	SLOT	6.81	6.62	0.88	5.22	4.18	4.50	2.57	6.50	7.19	2.18

NOTE: Nema 56J with ATO in conduit box AB=5.85, AC=4.62. 400 type three phase with drip cover AB=4.41, AC=3.47.

Three Phase Metering Pump Motor TEFC – Rigid Base



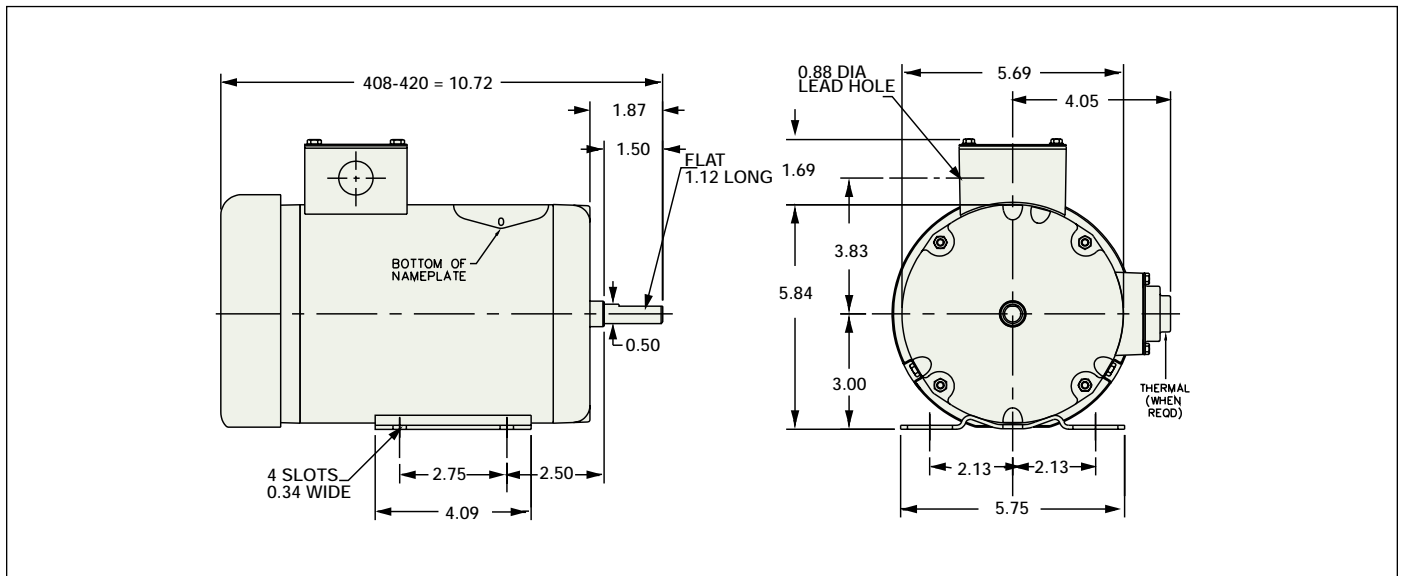
1/3 HP

Nema 48

Mechanical Features: TEFC industrial quality. Designed with conduit box at 12:00 o'clock position to facilitate mounting on existing chemical injection pumps. Epoxy paint.

Electrical Features: High efficiency design. Moisture resistant 200°C copper windings. Stator and steel frame dipped and baked in 100% solid polyester non-hygroscopic varnish.

190/380 – 230/460 Vac, 50/60 Hz								
Hp	R.P.M 50/60 Hz	Nema Frame	Catalog No.	Type	Connection Diagram	"C" Dimension	Ap'x. Shpg. Wgt.	Voltage 50/60 Hz
1/3	1425/1725	48	MPM3458 ♦	3413M	CD0005	10.72	20	190/380/230/460





Single Phase Dairy / Vacuum Pump Motors TEFC – Rigid Base

5 Thru 10 HP

Nema 213T Thru 215T

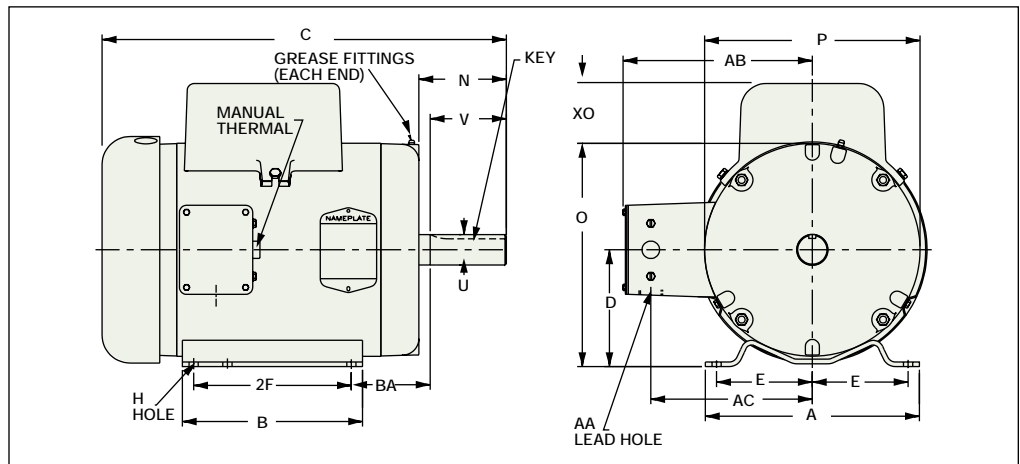
Mechanical Features: Heavy gauge steel frame. Base attached with continuous seam weld. Ball Bearings. Farm duty epoxy paint.

Electrical Features: High efficiency design. Moisture resistant 200°C copper windings. Stator and steel frame dipped and baked in 100% solid polyester non-hygroscopic varnish. Manual thermal overload. Heavy duty Type 1 capacitors. 1.15 Service Factor. 50°C ambient-continuous duty.

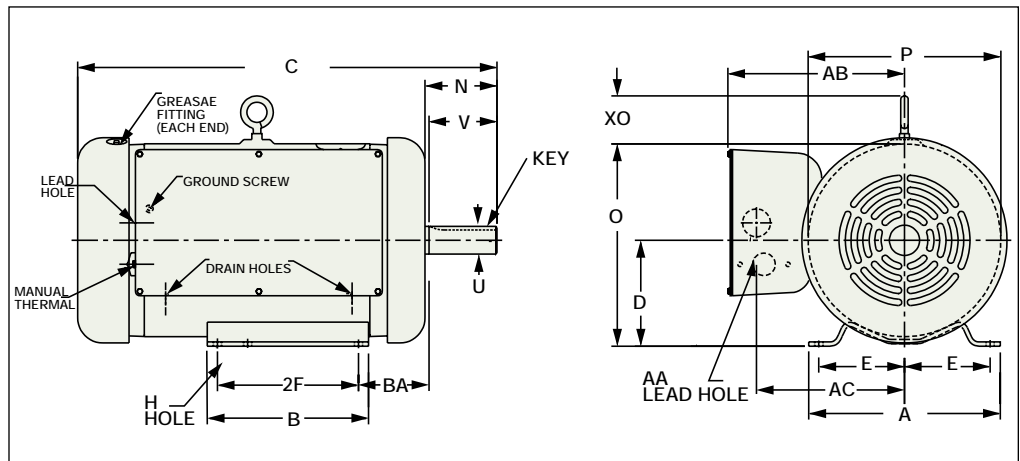
Hp	R.P.M 60 Hz	Nema Frame	Catalog No.	Type	Connection Diagram	"C" Dimension	Ap'x. Shpg. Wgt.	Eff. @ Full Load	Volt Code
5	1725	213T	DEL3708TM †*	3744LC	CD0002A02	18.68	137	81.0	C
7 1/2	1725	215T	DEL3733TM †*	3750LC	CD0152	20.82	162	85.0	C
10	1725	215T	DEL3737TM ††	3756LC	CD1336	21.32	182	85.0	C

NOTE: Voltage @ 60 Hz: C = 230 volts.

5 HP



7 1/2 Thru 10 HP



Nema Frame	A	B	D	E	2F	H	KEY	N	O	P	U	V	AA	AB	AC	BA	XO
213T					5.50	0.41	0.31	3.57	10.03	9.56	1.375	3.38	1.38	8.77	7.35	3.50	2.39
215T	9.50	8.00	5.25	4.25	7.00	0.41	0.31	3.57	10.03	9.56	1.375	3.38	1.38	8.77	7.35	3.50	2.39

NOTE: (Section B) Nema 213T Catalog # DEL3708TM N= 3.88, AA= 0.75NPT, AB= 8.4, AC=7.17, XO= 2.73.





Single Phase Pressure Washer Motors TEFC and ODP – Rigid Base & C-Face With Base

1 1/2 THRU 5 HP

NEMA 56 THRU 184TC

Mechanical Features: Ball bearing design. Manual thermal overload located in the conduit box. Rugged steel band frame and cast aluminum endplates.

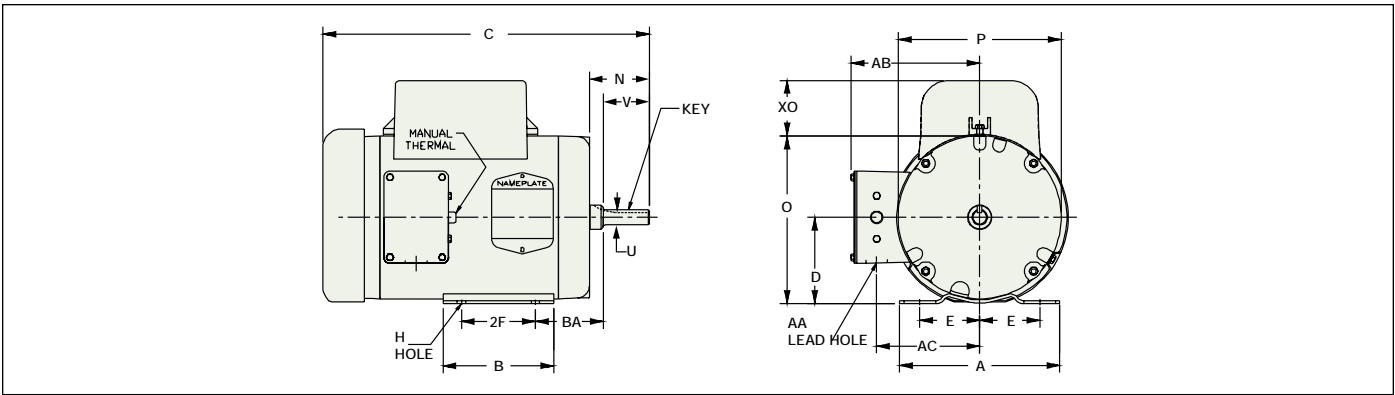
Electrical Features: 1 1/2 horsepower motors are rated at 14 amps or less on 115 volts. U.L. and CSA recognized component approval. Moisture resistant 200°C copper windings. Capacitor start/capacitor run to minimize running amps.

Totally Enclosed, Fan-Cooled									
Rigid Base									
Hp	R.P.M 60 Hz	Nema Frame	Catalog No.	Type	Connection Diagram	"C" Dimension	Ap'x. Shpg. Wgt.	Eff. @ Full Load	Volt Code
1 1/2	3450	56	PL3513M	3520LC	CD0320	13.25	38	75.5	B
1 1/2	1725	56	PL3514M	3535LC	CD0016A02	14.12	50	82.5	B
2	3450	56	PL3515M †*	3524LC	CD0320	13.25	45	77.0	B
2	1725	56HZ	L3516TM †*	3535LC	CD0002A02	14.18	54	78.0	C
3	3450	56	PL3519M †*	3532LC	CD0002A02	14.12	50	85.5	D1
3	1725	184T	L3609TM †‡	3634LC	CD0320	16.55	82	78.0	B
5	3450	184T	L3608TM †‡	3640LC	CD0002A02	18.06	89	83.0	C
5	1725	184T	L3612TM †‡	3646LC	CD0152	18.58	99	80.0	C
Rigid Base With C-Face									
1 1/2	3450	56C	PCL3513M	3520LC	CD0320	13.25	38	75.5	B
1 1/2	1725	56C	PCL3514M	3535LC	CD0016A02	14.12	53	82.5	B
2	3450	56C	PCL3515M †*	3524LC	CD0320	13.25	43	77.0	B
2	1725	145TC	CL3516TM †*	3535LC	CD0002A02	14.19	52	78.0	C
3	3450	56C	PCL3519M †*	3532LC	CD0002A02	14.12	55	85.5	D1
3	1725	184TC	CL3619TM †‡	3634LC	CD0002A02	16.55	84	81.5	C
5	3450	184TC	CL3608TM †‡	3640LC	CD0002A02	17.06	94	83.0	C
5	1725	184TC	CL3612TM †‡	3646LC	CD0152	18.06	101	80.0	C
Open Drip Proof									
Rigid Base									
1 1/2	3450	56/56H	PL1313M	3520LC	CD0320	11.75	37	75.5	B
1 1/2	1725	56	PL1319M	3528LC	CD0320	12.06	45	74.0	B
2	3450	56	PL1317M	3524LC	CD0320	12.06	44	77.0	B
2	1725	56	PL1322M	3532LC	CD0320	12.94	49	78.5	B
3	3450	56	PL1326M	3532LC	CD0002A02	12.94	51	85.5	D1
3	1725	184T	L1408TM	3634LC	CD0016A02	15.00	78	78.0	B
5	3450	56/56H	PL1327M †‡	3535LC	CD0002A02	13.81	57	74.2	D1
5	1725	184T	L1410TM †*	3640LC	CD0002A02	16.50	90	82.5	D1
Rigid Base With C-Face									
1 1/2	3450	56C	PCL1313M	3520LC	CD0320	12.06	38	75.5	B
1 1/2	1725	56C	PCL1319M	3528LC	CD0320	12.06	46	74.0	B
2	3450	56C	PCL1317M	3524LC	CD0320	12.06	42	77.0	B
2	1725	56C	PCL1322M	3532LC	CD0320	12.94	48	78.5	B
3	3450	56C	PCL1326M	3532LC	CD0002A02	12.94	50	85.5	D1
3	1725	184TC	CL1408TM	3634LC	CD0016A02	15.00	82	78.0	B
5	3450	56HCY	PCL1327M †‡	3535LC	CD0002A02	14.11	58	74.2	D1
5	1725	184TC	CL1410TM †*	3640LC	CD0002A02	16.50	91	82.5	D1

NOTE: Voltage @ 60 Hz: B = 115/230, C = 230, D1= 230 usable at 208 volts.

Pressure Washer Motors

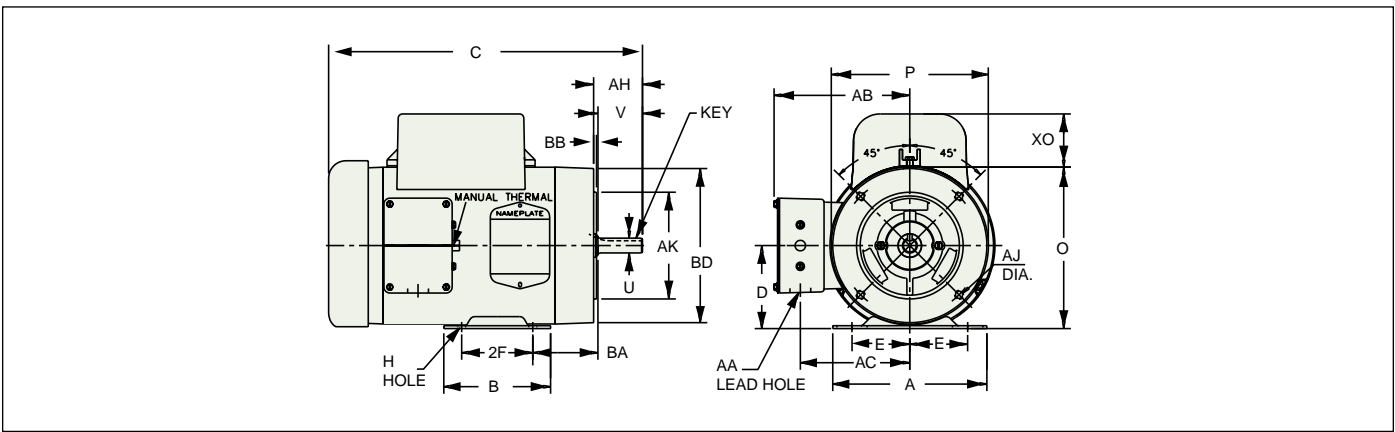
Nema 56 Through 184T
Totally-Enclosed, Fan-Cooled



Nema Frame	A	B	D	E	2F	H	KEY	N	O	P	U	V	AA	AB	AC	BA	XO
56																	
56H	6.50	4.50	3.50	2.44	3.00	0.34	0.19	2.44	6.81	6.62	0.625	1.88	0.88	5.73	4.62	2.75	2.25
56HZ		6.50			5.00			2.50				2.25					
182T					4.50												
184T	8.63	6.50	4.50	3.75	5.50	0.41	0.25	3.56	8.44	7.88	1.125	2.75	1.06	6.87	5.76	2.75	2.63

NOTE: Nema 182T-184T catalog # L3612TM dimension AB=7.62 and AC=6.38.

Nema 56C Through 184TC
Totally-Enclosed, Fan-Cooled

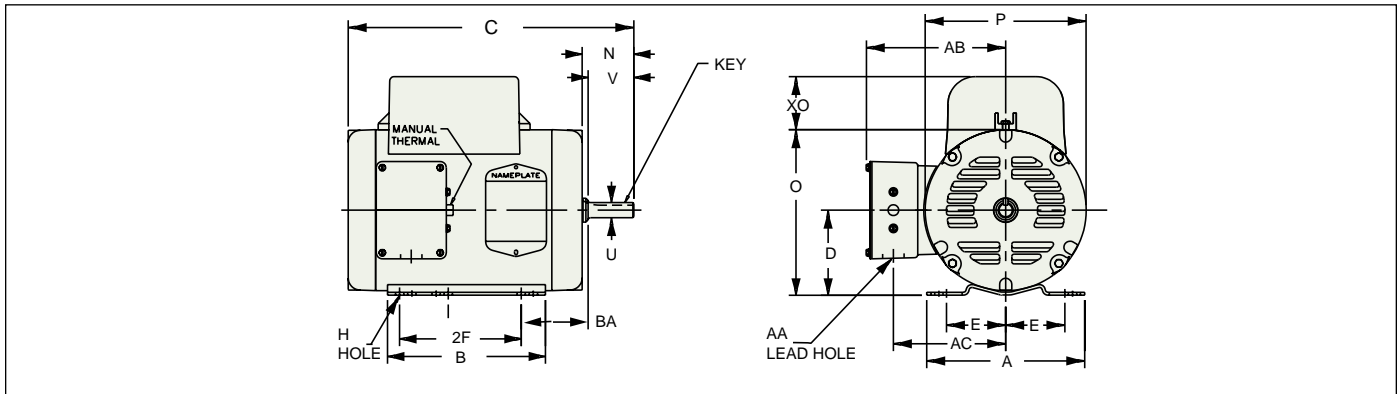


Nema Frame	A	B	D	E	2F	H	KEY	O	P	U	V	AA	AB	AC	AH	AJ	AK	BA	BB	BD	XO	Tap BF
56C	6.50	4.50	3.50	2.44	3.00	0.34	0.19	6.81	6.62	0.625	1.88	0.88	5.72	4.62	2.06	5.88	4.50	2.75	0.12	6.50	2.14	3/8-16
143TC					4.00																	
145TC	6.50	5.94	3.50	2.75	5.00	0.34	0.19	3.50	6.62	0.875	2.25	0.85	5.73	4.62	2.12	5.88	4.50	2.75	0.13	6.50	2.24	3/8-16
182TC					4.50																	
184TC	8.63	6.50	4.50	3.75	5.50	0.41	0.25	8.44	7.88	1.125	2.75	1.09	6.87	5.76	2.62	7.25	8.50	3.50	0.25	8.86	2.69	1/2-13

NOTE: Nema 56C catalog # PCL3519M dimension AB=5.79, AC=4.68.
Nema 182T-184T catalog # CL3612TM dimension AB=7.62, AC=6.38, XO=2.43.

Pressure Washer Motors

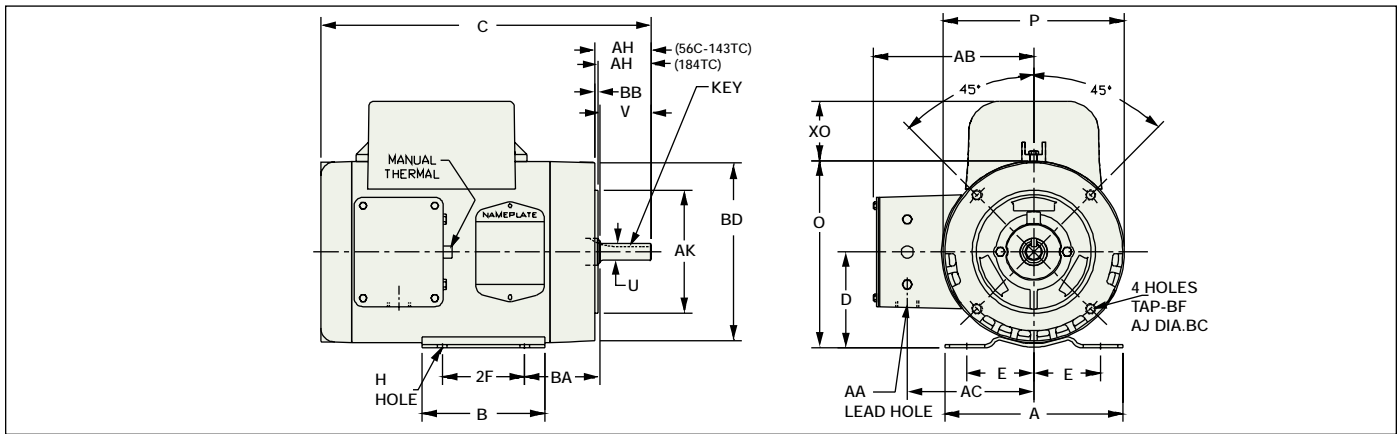
Nema 56 Through 184T
Open, Drip-Proof



Nema Frame	A	B	D	E	2F	H	KEY	N	O	P	U	V	AA	AB	AC	BA	XO
56		4.50			3.00			2.44									
56H	6.50	6.50	3.50	2.44	5.00	0.34	0.19	2.12	6.81	6.62	0.625	1.88	0.88	5.73	4.62	2.75	2.18
182T					4.50												
184T	8.63	6.50	4.50	3.75	5.50	0.41	0.25	3.56	8.44	7.88	1.125	2.75	1.09	6.75	5.70	2.75	2.63

NOTE: Nema 56 catalog # P11326M dimension AB=5.61.
Nema 56/56h catalog #PL1327M dimension AB=6.13, AC=14.97.

Nema 56C Through 184TC
Open, Drip-Proof



Nema Frame	A	B	D	E	2F	H	KEY	O	P	U	V	AA	AB	AC	AH	AJ	AK	BA	BB	BD	XO	Tap BF	
56C		4.50			3.00							0.50	5.72	4.62									
56HCY	6.50	6.50	3.50	2.44	5.00	0.34	0.19	6.81	6.62	0.625	1.88	1.09	6.13	4.97	2.06	5.88	4.50	2.75	0.12	6.50	2.18	3/8-16	
182TC					4.50																		
184TC	8.63	6.50	4.50	3.75	5.50	0.41	0.25	9.00	7.88	1.125	2.75	1.09	6.75	5.70	2.62	7.25	8.50	3.50	0.25	8.88	2.06	1/2-13	



Single Phase Commercial Duty Jet Pump Motors ODP - Open Drip Proof

1/4 Thru 1 HP

NEMA 56C and 56J

Mechanical Features: Aluminum Endplates, Ball Bearings, Terminal Panel with Quick Connections.

Electrical Features: 40°C Ambient, 60 Hertz , Automatic Thermal Overload, Capacitor Start, High Service Factors.

Stainless Steel Threaded Shaft 56J Less Base									
Hp	R.P.M 60 Hz	Nema Frame	Catalog No.	Connection Diagram	"C" Dimension	Ap'x. Shpg. Wgt.	Voltage	Amps @ Full Load	S.F.
1/4	1725	56J	JL145A	*	11.83	20	115/230	5/2.5	1.35
1/3	3450	56J	JL225A	CD0203	11.83	21	115/230	5.6/2.8	1.75
1/3	1725	56J	JL245A	*	11.83	22	115/208-230	5.4/2.7	1.35
1/2	3450	56J	JL325A	*	13.08	22	115/230	6.6/3.3	1.6
1/2	1725	56J	JL345A	*	13.08	22	115/208-230	7.6/3.8	1.25
3/4	3450	56J	JL425A	*	13.08	23	115/230	9.2/4.6	1.5
3/4	1725	56J	JL445A	*	13.58	25	115/208-230	8.4/4.2	1.25
1	3450	56J	JL525A	CD0203	13.58	25	115/230	15.2/7.6	1.4
Keyed Shaft 56C Less Base									
1/4	1725	56C	VL145A	*	11.33	21	115/230	5/2.5	1.35
1/3	3450	56C	VL225A	CD0052	11.33	22	115/230	5.6/2.8	1.75
1/3	1725	56C	VL245A	*	11.33	23	115/208-230	5.4/2.7	1.35
1/2	3450	56C	VL325A	CD0052	12.58	23	115/230	6.6/3.3	1.6
1/2	1725	56C	VL345A	*	12.58	23	115/208-230	7.6/3.8	1.25
3/4	3450	56C	VL525A	*	12.58	24	115/230	9.2/4.6	1.5
3/4	1725	56C	VL445A	*	13.08	26	115/230	8.4/4.2	1.25
1	3450	56C	VL525A	*	13.08	26	115/230	15.2/7.6	1.4
Stainless Steel Threaded Shaft 56J with Base									
1/4	1725	56J	CJL145A	*	11.83	20	115/230	5/2.5	1.35
1/3	3450	56J	CJL225A	*	11.83	21	115/230	5.6/2.8	1.75
1/3	1725	56J	CJL245A	*	11.83	22	115/230	5.4/2.7	1.35
1/2	3450	56J	CJL325A	CD0203	13.08	22	115/230	6.6/3.3	1.6
1/2	1725	56J	CJL345A	*	13.08	22	115/208-230	7.6/3.8	1.25
3/4	3450	56J	CJL425A	CD0203	13.08	23	115/230	9.2/4.6	1.5
3/4	1725	56J	CJL445A	*	13.58	25	115/230	8.4/4.2	1.25
1	3450	56J	CJL525A	CD0203	13.58	25	115/230	15.2/7.6	1.4

NOTE: Data subject to change without notice. Contact Baldor for certified data.

* Contact District Office for Connection Diagram.

Single Phase Commercial Duty Square Flange Pump Motors ODP - Open Drip Proof



1/3 Thru 1 HP

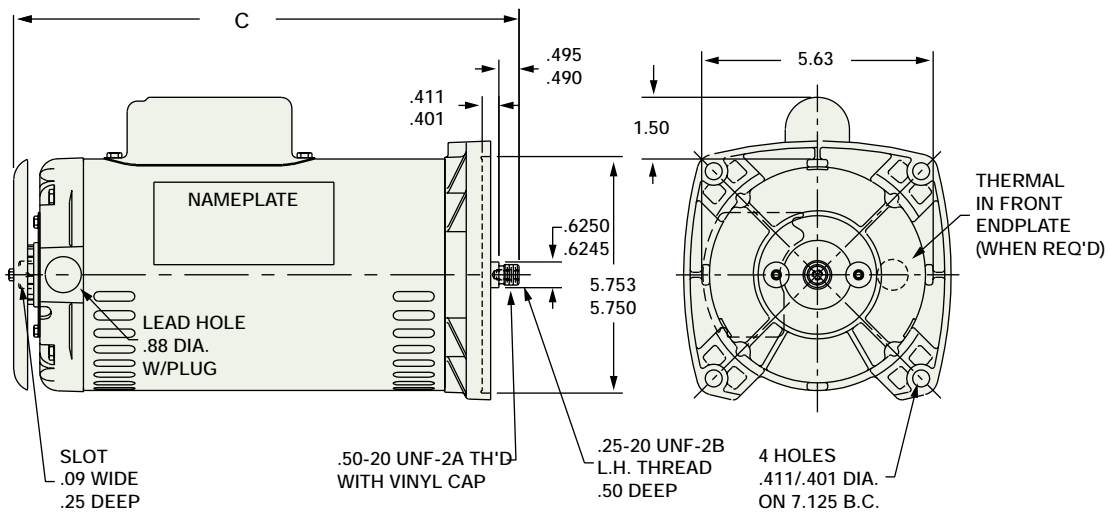
NEMA 56YZ

Mechanical Features: Aluminum Endplates, Ball Bearings, Stainless Steel Shaft Extension, Terminal Panel with Quick Connections.

Electrical Features: 40°C Ambient, 60 Hertz not reversible, Capacitor Start, High Service Factors.

Single Phase									
Hp	R.P.M 60 Hz	Nema Frame	Catalog No.	Connection Diagram	"C" Dimension	Ap'x. Shpg. Wgt.	Voltage	Amps @ Full Load	S.F.
1/3	3450	56YZ	JSL225A	CD0203	11.79	21	115/230	5.6/2.8	1.6
1/2	3450	56YZ	JSL325A	CD0203	11.79	23	115/230	6.6/3.3	1.6
3/4	3450	56YZ	JSL425A	CD0203	12.29	26	115/230	9.2/4.6	1.5
1	3450	56YZ	JSL525A	CD0203	13.49	29	115/230	15.2/7.6	1.4
Three Phase									
1/3	3450	56YZ	JSM225	CD0005	10.54	19	208-230/460	1.6/0.8	1.6
1/2	3450	56YZ	JSM345	CD0005	10.54	21	208-230/460	2.4/1.2	1.6
3/4	3450	56YZ	JSM445	CD0005	10.92	24	208-230/460	3/1.5	1.5
1	3450	56YZ	JSM525	CD0005	11.79	27	208-230/460	3/1.5	1.4

NOTE: Data subject to change without notice. Contact Baldor for certified data.



NOTE: Three phase motor dimensions are similar to single phase except less capacitor on motor.



Single Phase Commercial Duty Direct Drive Fan Motors TEAO - Totally Enclosed Air Over Resilient Base

1/4 Thru 3/4 HP

NEMA 48Z Thru 56Z

Mechanical Features: Ball Bearings, Extended Thru-Bolts, Resilient Cushion Rings, Rugged Steel Frame, Suitable for Mounting in any Position, Terminal Panel with Quick Connections.

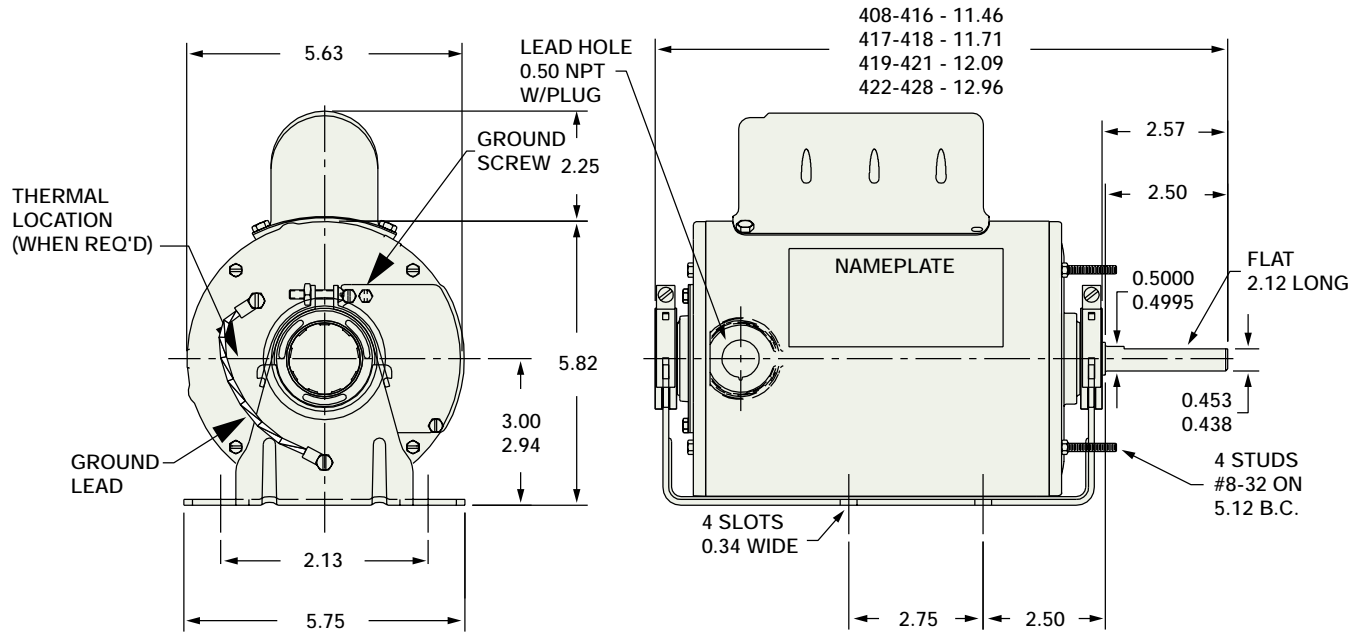
Electrical Features: Automatic Thermal Overload, Reversible Rotation.

Single Phase/Permanent Split Capacitor									
Hp	R.P.M 60 Hz	Nema Frame	Catalog No.	Connection Diagram	"C" Dimension	Ap'x. Shpg. Wgt.	Voltage	Amps @ Full Load	S.F.
1/4	1725	48Z	CHC144A	*	10.96	20	115/208-230	5/3-2.5	1.25
1/4	1140	48Z	CHC164A	*	10.96	22	115/208-230	6.4/3.6-3.2	1.25
1/3	1725	48Z	CHC244A	*	10.96	22	115/208-230	6/3.6-3	1.25
1/3	1140	48Z	CHC264A	*	10.96	23	115/208-230	7.4/4.3-3.7	1.25
1/2	1725	48Z	CHC344A	*	11.21	25	115/208-230	7.4/4.3-3.7	1.25
1/2	1725	56Z	CHC345A	*	11.28	25	115/208-230	7.4/4.3-3.7	1.25
1/2	1140	48Z	CHC364A	*	12.74	26	115/208-230	-	1.25
1/2	1140	56Z	CHC365A	*	12.74	26	115/208-230	-	1.25
3/4	1725	56Z	CHC445A	*	12.74	28	115/208-230	8.2/5.4-4.1	1.15
Single Phase									
1/4	1725	48Z	CHM144A	*	10.46	19	208-230/460	1.7-1.3/0.65	1.25
1/4	1140	48Z	CHM164A	*	10.46	19	208-230/460	1.6-1.4/0.7	1.25
1/3	1725	48Z	CHM244A	*	10.46	20	208-230/460	1.9-1.6/0.8	1.25
1/3	1140	48Z	CHM264A	*	10.46	21	208-230/460	2.1-1.8/0.9	1.25
1/2	1725	48Z	CHM344A	*	10.46	21	208-230/460	2.5-2/1	1.25
1/2	1725	56Z	CHM345A	*	11.09	21	208-230/460	2.5-2/1	1.25
1/2	1140	48Z	CHM364A	*	10.46	23	208-230/460	2.7-2.4/1.2	1.25
1/2	1140	56Z	CHM365A	*	11.09	23	208-230/460	2.7-2.4/1.2	1.25
3/4	1725	56Z	CHM445A	*	11.34	25	208-230/460	3.6-3/1.7	1.15

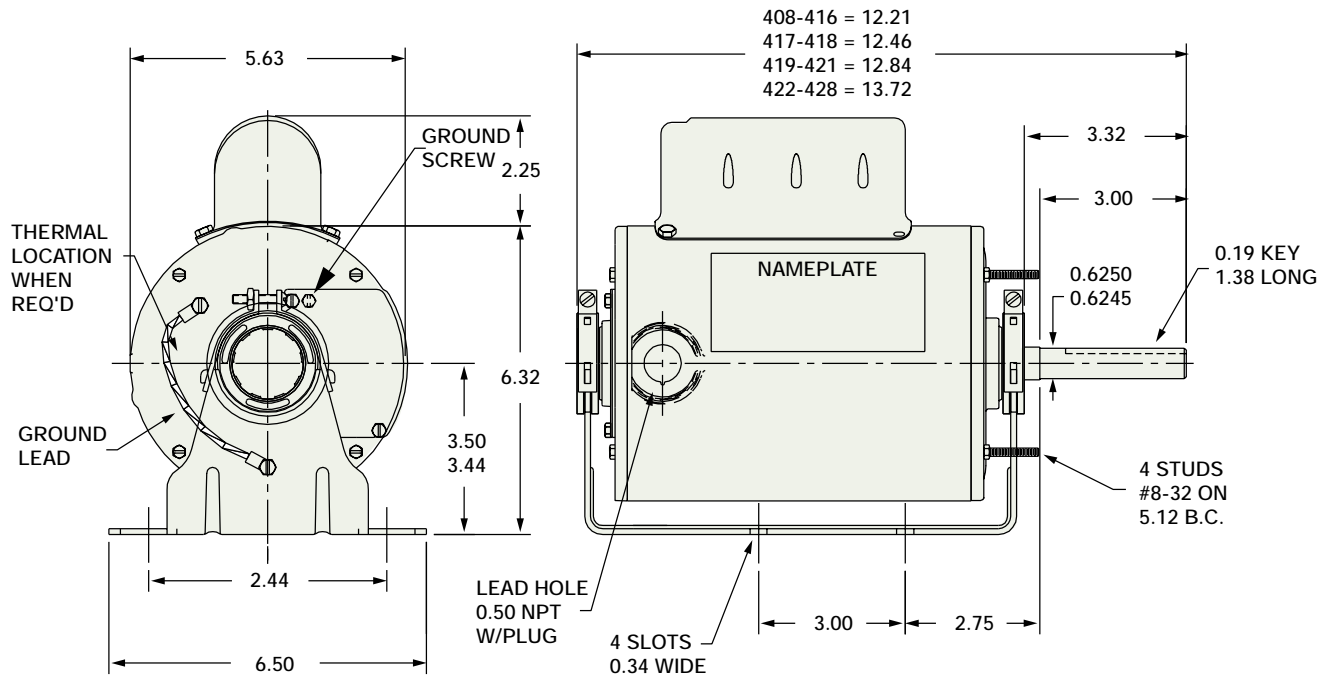
NOTE: Data is subject to change without notice. Contact Baldor for certified data.
Contact Baldor District Office for Connection Diagram.

DIMENSION DRAWINGS

48Z



56Z



Adjustable Speed Drives

Adjustable speed drives can be a valuable addition to many farm processes. They can adjust the speed of a motor to the exact needs of the process, reduce motor maintenance and even save energy in some cases.

1. **What is an inverter?** Inverter is the common name for adjustable speed drive, variable frequency drive or any combination of these words. Basically, it takes AC power input, rectifies the power to DC and then “inverts” it back to AC output that can be varied in voltage and frequency to change the speed of an AC motor.
2. **Input Power.** Although most inverters are designed for industrial installations with three phase power, Baldor inverters are designed to accept single phase power input for the many rural applications where three phase just isn't available.
3. **Output Power.** Inverters output three phase power that is infinitely variable from near zero to full speed of the motor. This means, however, that the motor or motors being controlled **must** be three phase motors. You cannot use single phase motors on an inverter. There are some advantages to using three phase motors:
 - A. Rating for rating, three phase motors cost up to 30% to 50% less than the equivalent single phase motor.
 - B. Lower maintenance. Three phase motors do not have centrifugal switches, weights, springs, electrical contacts, start or run capacitors. A three phase motor has one moving part, the rotor/shaft assembly.
4. **Constant Torque Applications.** These require full torque and current all the way down to near zero speed. Conveyors, Augers, Feeders, Feed Mixers, Stirring
5. **Variable Torque Applications.** These require only a small fraction of the power at reduced speeds. They are primarily fans and pumps. Centrifugal Fans, Exhaust Fans, Direct Drive Fans, Aeration Fans, Crop Dryers, Centrifugal Pumps, Jet Pumps, Irrigation Pumps, Metering Pumps, Vacuum Pumps.

These applications can save energy at reduced speeds. A pump operating at 50% flow uses only 20% of the full flow energy.
6. **Other Advantages.** Besides being able to match the machine speed to the actual need of what it is doing, an inverter has other useful features. Built-in soft start and stop will reduce inrush current and “jerking” up to full speed or to a stop. Protective features shut it down if voltage is too high or low and if the motor is overloaded. Up to 15 programmable preset speeds for specific functions. Preset table minimum and maximum speeds for safety. Baldor inverters can also be operated remotely from switches, relays or timers.

For more information on selection and installation of Baldor Inverters, please contact your local Baldor Distributor.



SERIES 15J MINI INVERTERS



1/3 THRU 1 HP 95-130 VAC 3 PHASE - 60 HZ
1 THRU 5 HP 180-264 VAC 3 PHASE - 50/60 HZ
1 THRU 5 HP 340-528 VAC 3 PHASE - 50/60 HZ

Applications: Variable torque, constant torque or constant horsepower applications. New installations, replacements and original equipment manufacturers (OEM). NEMA 1 Enclosure as standard.

Design Specifications

- Dual Microprocessor controlled PWM output
- Free run or ramp stop
- Controlled reversing
- Selectable preset speeds
- Dynamic braking
- DC Injection braking
- Analog meter output
- Relay contact output
- Two Analog Inputs
- Process control (PID)

Operator Keypad

- Digital speed control
- Forward/reverse command
- Stop command
- Jog command
- Parameter setting and display
- Display 2 lines by 16 character in English, Spanish, French, German, Italian, and Portuguese
- Membrane keys with tactile feel
- Optional remote mount keypad

Environmental and Operating Conditions

- Input voltage
 - 1 Phase 107-118 VAC +/-10%.
 - 3 phase 200-240 VAC ±10%,
 - 3 phase 380-480 VAC ±10%.
- Input frequency - 50 or 60 Hz ±10%
- Service factor - 1.0
- Duty - continuous
- Humidity - 90% max non-condensing
- Altitude - 3300 feet max without derate
- NEMA 1 enclosure as standard

Hp	Kw	Input Volt	Output Current			Catalog No.
			Cont.	60 Sec	2 Sec	
0.33	0.25	115 ¹	1.6	2.4	3.2	ID15J1F33-ER
0.50	0.37	115 ¹	2.3	3.5	4.6	ID15J1F50-ER
0.75	0.56	115 ¹	3.2	4.8	6.4	ID15J1F75-ER
1	0.75	115 ¹	4.2	6.3	8.4	ID15J101-ER
1	0.75	230	4.2	6.3	8.4	ID15J201-ER
1.5	1.1	230	6.0	9.0	12.0	ID15J21F50-ER
2	1.5	230	6.8	10.2	13.4	ID15J202-ER
3	2.2	230	9.6	14.4	19.2	ID15J203-ER
5	3.7	230	16.0	24.0	32.0	ID15J205-ER
1	0.75	460	2.1	3.2	4.2	ID15J401-ER
1.5	1.1	460	3.0	4.5	6.0	ID15J41F50-ER
2	1.5	460	3.4	5.1	6.8	ID15J402-ER
3	2.2	460	4.8	7.2	9.6	ID15J403-ER
5	3.7	460	7.6	11.4	15.2	ID15J405-ER

NOTE: ¹ - 115 volt, 1 phase input/230 volt, 3 phase output.

Control Spec	Control Method	Sinewave carrier input, PWM output
	PWM Frequency	Rated at 7.5 kHz - Adjustable 2.5 - 15 kHz
	V/Hz Ratio	Linear to squared reduced
	Torque Boost	0-15% - Adjustable
	Brake Torque	Up to 60%, external resistor required
	Frequency Setting	0-5 VDC, 0-10 VDC, 4-20mA, digital via keypad
Protective Functions	Accel/Decel	Separate accel/decel rates, 0-600 seconds
	Inverter Trip	Over voltage, over current, under voltage, external trip, heatsink thermal, motor overload
	External Output	NO and NC relay and LED indicator for trip
Ambient Conditions	Short Circuit	Output phase to ground and phase to phase
	Temperature	0-40°C, Derate for up to 55°C
Dimensions	Cooling	Forced air included when required
	Outside	7.60 (193) Height
		4.83 (123) Width
Mounting	4.45 (113) Depth	
	7.21 (183) Height	
	4.40 (112) Width	

Keypad with Cable

- 32 Character English alphanumeric display
- NEMA 4X indoor enclosure
- Backlit LCD
- Remote mount to 100 ft. from control

Catalog No.	Cable Length
CBLSM015KP	5 ft.
CBLSM030KP	10 ft.
CBLSM046KP	15 ft.
CBLSM061KP	20 ft.
CBLSM091KP	30 ft.
CBLSM152KP	50 ft.
CBLSM229KP	75 ft.
CBLSM305KP	100 ft.

Dynamic Braking Assemblies

Hp	Input Volts	Min. Ohms	Continuous Rated Watts		
			100	200	300
0.33-3	115 or 230	60	RGJ160	RGJ260	RGJ360
2-5	460	120	RGJ1120	RGJ2120	RGJ3120
1-1.5	460	150	RGJ1150	RGJ2150	RGJ3150

BALDOR
MOTORS AND DRIVES

SERIES 15P MINI INVERTERS



1/3 THRU 1 HP 95-130 VAC 1 PHASE - 60 HZ
1 THRU 5 HP 180-264 VAC 3 PHASE - 50/60 HZ
1 THRU 5 HP 340-528 VAC 3 PHASE - 50/60 HZ

Applications: Variable torque, constant torque or constant horsepower applications. New installations, replacements and original equipment manufacturers (OEM). NEMA 1 Enclosure as standard.

Design Specifications

- Dual Microprocessor controlled PWM output
- Free run or ramp stop
- Controlled reversing
- Dynamic braking
- Adjustable Torque Boost
- Separate Accel/Decel Rates
- Selectable Auto Restart
- Adjustable Current Limit

Operator Keypad

- Rotary Speed Control
- Forward/reverse command
- Stop command
- Membrane keys with tactile feel
- Fault Indicator
- Power On Indicator

Environmental and Operating Conditions

- Input voltage - 1 Phase 107-118 VAC +/-10%, 3 phase 200-240 VAC±10%, 3 phase 380-480 VAC ±10%,
- Input frequency - 50 or 60 Hz ±10%
- Service factor - 1.0
- Duty - continuous
- Humidity - 90% max non-condensing
- Altitude - 3300 feet max without derate
- NEMA 1 enclosure as standard

Hp	Kw	Input Volt	Output Current			Catalog No.
			Cont.	60 Sec	2 Sec	
0.33	0.25	115 1	1.6	2.4	3.2	ID15P1F33-ER
0.50	0.37	115 1	2.3	3.5	4.6	ID15P1F50-ER
0.75	0.56	115 1	3.2	4.8	6.4	ID15P1F75-ER
1	0.75	115 1	4.2	6.3	8.4	ID15P101-ER
1	0.75	230	4.2	6.3	8.4	ID15P201-ER
1.5	1.1	230	6.0	9.0	12.0	ID15P21F5-ER
2	1.5	230	6.8	10.2	13.4	ID15P202-ER
3	2.2	230	9.6	14.4	19.2	ID15P203-ER
5	3.7	230	16.0	24.0	32.0	ID15P205-ER
1	0.75	460	2.1	3.2	4.2	ID15P401-ER
1.5	1.1	460	3.0	4.5	6.0	ID15P41F5-ER
2	1.5	460	3.4	5.1	6.8	ID15P402-ER
3	2.2	460	4.8	7.2	9.6	ID15P403-ER
5	3.7	460	7.6	11.4	15.2	ID15P405-ER

NOTE: ¹ - 115 volt 1 phase input/230 volt 3 phase output.

Control Spec	Control Method	Sinewave carrier input, PWM output
	PWM Frequency	Rated at 7.5 kHz
	V/Hz Ratio	Linear with adjustable torque boost
	Torque Boost	0-15% - Adjustable
	Brake Torque	Up to 60%, external resistor required
	Frequency Setting	0-5 VDC, 0-10 VDC, 4-20mA, digital via keypad
	Accel/Decel	Separate accel/decel rates, 0-60 seconds
Protective Functions	Inverter Trip	Over voltage, over current, under voltage, external trip, heatsink thermal, motor overload
	External Indicators	Separate LED indicators for Fault trip and Power ON
	Short Circuit	Output phase to ground and phase to phase
Ambient Conditions	Temperature	0-40°C, Derate for up to 55°C
	Cooling	Forced air included when required
Dimensions	Outside	7.60 (193) Height 4.83 (123) Width 4.45 (113) Depth
	Mounting	7.21 (183) Height 4.40 (112) Width

Dynamic Braking Assemblies

Hp	Input Volts	Min. Ohms	Continuous Rated Watts		
			100	200	300
0.33-3	115 or 230	60	RGJ160	RGJ260	RGJ360
2-5	460	120	RGJ1120	RGJ2120	RGJ3120
1-1.5	460	150	RGJ1150	RGJ2150	RGJ3150

BALDOR
MOTORS AND DRIVES



Series 15H “General Purpose” Inverters

- 1 Thru 30 HP 180-230 VAC – 3 Phase – 50 HZ
- 1 Thru 30 HP 180-264 VAC – 3 Phase – 60 HZ
- 1 Thru 30 HP - 340-460 VAC - 3 Phase - 50 HZ
- 1 Thru 30 HP - 340-528 VAC - 3 Phase - 60 HZ

Applications: Constant torque or constant horsepower applications. New installations, replacements, and original equipment manufacturers (OEM).

Design Specifications

- 16/32 BIT Microprocessor controlled PWM output
- Output frequency 0.25-120HZ, optional 0.25-400 HZ
- Peak overload capacity of 170-200%
- Process follower 0-5 VDC, 0-10 VDC, 4-20mA
- Free run or ramp stop
- Controlled reversing
- Selectable preset speeds
- Jog speed
- Dynamic braking
- DC Injection Braking
- Separate accel/decel rates
- Bus present and fault trip LED
- Analog meter outputs
- NEMA 1 enclosure as standard
- Quad ratings
- Through wall and panel mount Size B2, C2, E and F

Operator Keypad

- Digital speed control
- Forward/Reverse command
- Motor RUN and JOG
- Stop command
- Parameter setting and display
- Display 32 Character alpha-numeric on backlit LCD
- Local/Remote key
- Remote mount to 100 feet from control
- NEMA 4X indoor enclosure
- Membrane keys with tactile feel

Environmental and Operating Conditions

- Input voltage - 3 phase 200–240 VAC±10%, 3 phase 380–480 VAC ±10%
- Input frequency - 50 or 60HZ ±5%
- Service factor - 1.0
- Duty - continuous
- Humidity - 90% max RH non-condensing
- Altitude - 3300 feet max without derate

Protective Features

- Selectable automatic restart at momentary power loss with free setting of maximum number of trips and time between trip and reset
- DC bus charge indicator
- Adjustable time base overload
- Cause of last 31 trips retained in memory
- Digital display for fault conditions
- Linear heat sink thermal sensor

Output Ratings	Overload Capacity	150% for 60 seconds, 170-200% for 3 seconds for constant torque
	Frequency	0.25-120 HZ Optional 0.25-400 HZ
	Voltage	0–Maximum Input Voltage (RMS)
Input Ratings	Frequency	50 or 60 HZ ± 5%
	Voltage	200–240 VAC ±10%, 380–480 VAC ±10%
	Phase	Three Phase (or single phase with derate)
	Impedance	1% minimum for size B2, C2, F and G (3%minimum required for size A, D and E)
Control Spec	Control Method	Sinewave Carrier Input, PWM Output
	PWM Frequency	Adjustable 1-5 kHz Standard, 1-15 kHz Quiet
	VHz Ratio	Linear To Squared Reduced, Base Frequency, Output Voltage, Minimum Frequency Limit, Maximum Frequency Limit
	Torque Boost	0–15% of Input Voltage; Automatic with Manual Override
	Brake Torque	20% Standard on -E and -W; -EO and -MO requires external assembly
	Skip Frequency	Three Zones 0–Max Frequency
	Frequency Setting	0–5 VDC, 0–10 VDC, 4–20mA, Digital Via Optional RS232/485
	Accel/Decel	Separate Accel/Decel Rates, 0–3600 Sec to Maximum Frequency
Protective Functions	Inverter Trip	Over Voltage, Over Current, Under Voltage, External Thermal, Heatsink Thermal, Motor Overload
	Stall Prevention	Over Voltage Suppression, Overcurrent Suppression
	External Output	Opto Isolated Output and LED Indicator For Trip
	Short Circuit	Phase To Phase, Phase To Ground
LED Display	Running	Output Frequency, Set Frequency, Output Current (%), Voltage, RPM, Custom Units
	Setting	Parameter Values For Setup And Review
	Trip	Separate Message For Each Trip, Cause Of Last 31Trips Retained In Memory
Ambient Conditions	Temperature	-10 + 40°C for UL Listing
	Cooling	Forced Air Included When Required



Series 15H "General Purpose" Inverters

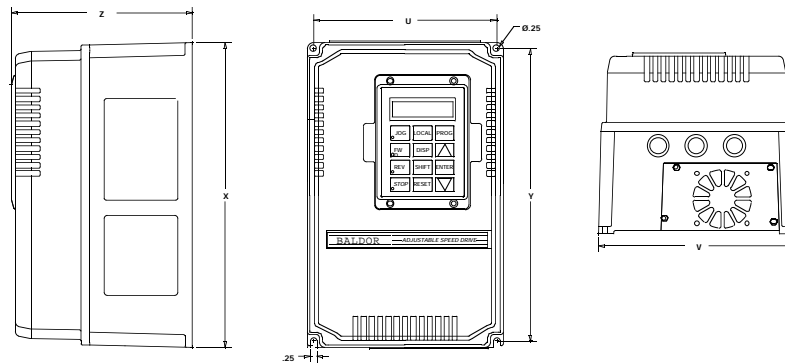
- 1 Thru 30 HP 180-230 VAC - 3 Phase - 50 HZ
- 1 Thru 30 HP 180-264 VAC - 3 Phase - 60 HZ
- 1 Thru 30 HP - 340-460 VAC - 3 Phase - 50 HZ
- 1 Thru 30 HP - 340-528 VAC - 3 Phase - 60 HZ

Applications: Constant torque or constant horsepower applications. New installations, replacements, and original equipment manufacturers (OEM).

				Constant Torque**				Variable Torque**			
Single Phase * Input		Three Phase Input		Output Current * 3 Phase Input		Catalog No.	Size	Output Current * 3 Phase Current		Catalog No.	Size
Hp	Volts	Hp	Volts	Cont.	Peak			Cont.	Peak		
3/4	230	1	230	4	8	ID15H201-E	A	-	-	-	-
1	230	2	230	7	14	ID15H202-E	A	7	8	ID15V202-ER	A
2	230	3	230	10	20	ID15H203-E	A	10	12	ID15V203-ER	A
3	230	5	230	16	32	ID15H205-E	A	16	19	ID15V205-ER	A
5	230	7.5	230	22	44	ID15H207-E	B2	22	25	ID15V207-ER	A
7.5	230	10	230	28	56	ID15H210-E	B2	38	32	ID15V210-ER	B2
10	230	15	230	42	84	ID15H215-E	B2	42	48	ID15V215-ER	B2
15	230	20	230	54	108	ID15H220-E	B2	54	62	ID15V220-ER	B2
20	230	25	230	68	116	ID15H225-E0	C2	80	92	ID15V230-E0	C2
460 Volts											
3/4	460	1	460	2	4	ID15H401-E	A	-	-	-	-
1	460	2	460	4	8	ID15H402-E	A	4	5	ID15V402-ER	A
2	460	3	460	5	10	ID15H403-E	A	5	6	ID15V403-ER	A
3	460	5	460	8	16	ID15H405-E	A	8	10	ID15V405-ER	A
5	460	7.5	460	11	22	ID15H407-E	A	11	13	ID15V407-ER	A
7.5	460	10	460	14	28	ID15H410-E	B2	14	17	ID15V410-ER	A
10	460	15	460	21	42	ID15H415-E	B2	21	24	ID15V415-ER	B2
15	460	20	460	27	54	ID15H420-E	B2	27	31	ID15V420-ER	B2
20	460	25	460	34	68	ID15H425-E	B2	34	39	ID15V425-ER	B2

NOTE:** Output ratings with 2.5 KHZ PWM frequency.

Inverter Enclosure Dimensions (mm)



Size	Outside			Mounting		Ap'x. Shpg. Wgt.
	Height (x)	Width (v)	Depth (z)	Height (y)	Width (u)	
A	12.272 (305)	7.974 (196)	7.12 (180)	11.5 (292)	7.2 (183)	20
B2	12.15 (309)	8.7 (221)	8.73 (222)	11.5 (292)	7.2 (183)	28
C2	16.98 (431)	10.5 (267)	9.66 (245)	16.58 (396)	7.76 (197)	60





Series 15H Washdown "General Purpose" Inverters

- 1 Thru 15 HP 180-230 VAC - 3 Phase - 50 HZ
- 1 Thru 15 HP 180-264 VAC - 3 Phase - 60 HZ
- 1 Thru 20 HP - 340-460 VAC - 3 Phase - 50 HZ
- 1 Thru 20 HP - 340-528 VAC - 3 Phase - 60 HZ

Applications: Constant torque or constant horsepower applications. New installations, replacements, and original equipment manufacturers (OEM). Suitable for frequent wash-downs. NEMA 4X indoor enclosure as standard.

Design Specifications

- 16/32 BIT Microprocessor controlled PWM output
- Output frequency 0.25-120HZ, optional 0.25-400 HZ
- Peak overload capacity of 200%
- Process follower 0-5 VDC, 0-10 VDC, 4-20mA
- Free run or ramp stop
- Controlled reversing
- Selectable preset speeds
- Jog speed
- Dynamic braking
- DC Injection braking
- Separate accel/decel rates
- Quad ratings
- NEMA 4X indoor enclosure as standard

Operator Keypad

- Digital speed control
- Forward/Reverse command
- Motor RUN and JOG
- Stop command
- Parameter setting and display
- Display 32 Character alpha-numeric on backlit LCD
- Local/Remote key
- Remote mount to 100 feet from control
- NEMA 4X indoor enclosure
- Membrane keys with tactile feel

Environmental and Operating Conditions

- Input voltage - 3 phase 200-240 VAC±10%, 3 phase 380-480 VAC ±10%
- Input frequency - 50 or 60HZ ±5%
- Service factor - 1.0
- Duty - continuous
- Humidity - 100% max RH non-condensing
- Altitude - 3300 feet max without derate

Protective Features

- Selectable automatic restart at momentary power loss with free setting of maximum number of trips and time between trip and reset
- DC bus charge indicator
- Adjustable time base overload
- Cause of last 31 trips retained in memory
- Digital display for fault conditions
- Linear heat sink thermal sensor

				Constant Torque**				Variable Torque **			
Single Phase * Input		Three Phase Input		Output Current * 3 Phase Input		Catalog No.	Size	Output Current * 3 Phase Current		Catalog No.	Size
Hp	Volts	HP	Volts	Cont.	Peak			Cont.	Peak		
3/4	230	1	230	4	8	ID15H201-W	A	-	-	-	-
1	230	2	230	7	14	ID15H202-W	A	7	8	ID15V202-WR	A
2	230	3	230	10	20	ID15H203-W	A	10	12	ID15V203-WR	A
3	230	5	230	16	32	ID15H205-W	A	16	19	ID15V205-WR	A
5	230	7.5	230	22	44	ID15H207-W	B2	22	25	ID15V207-WR	A
7.5	230	10	230	28	56	ID15H210-W	B2	28	32	ID15V210-WR	B2
10	230	15	230	42	84	ID15H215-W	B2	42	48	ID15V215-WR	B2
460 Volts											
3/4	460	1	460	2	4	ID15H401-W	A	-	-	-	-
1	460	2	460	4	5	ID15H402-W	A	4	5	ID15V402-WR	A
2	460	3	460	5	10	ID15H403-W	A	5	6	ID15V403-WR	A
3	460	5	460	8	16	ID15H405-W	A	8	10	ID15V405-WR	A
5	460	7.5	460	11	22	ID15H407-W	A	11	13	ID15V407-WR	A
7.5	460	10	460	14	28	ID15H410-W	B2	14	17	ID15V410-WR	A
10	460	15	460	21	42	ID15H415-W	B2	21	25	ID15V415-WR	B2
15	460	20	460	27	54	ID15H420-W	B2	27	31	ID15V420-WR	B2

NOTE: **Output ratings with 2.5 KHZ PWM frequency.

Solid State Soft Starters and Controls For AC Motors

Definite Purpose Soft Start Control



Applications: Excellent for augers, unloaders, conveyors or fans. Reduces voltage drop from starting motors on limited line power. Can be used on single speed, multispeed and reversing applications. Excellent for soft starting windmill fans and soft plug reversing.

Features: Two adjustable starting torque settings for reversing or two speed applications. Adjustable ramp time from 2–30 seconds.

Open/Panel (Enclosed Units Available)							
208/230/460 Volts				575 Volts (Can Be Used At 208/230/460 Volts)			
Amp Size	Max Hp at VAC			Catalog No.	Amp Size	Max Hp at VAC 575	Catalog No.
	208	230	460				
8	2	2	5	D70CA	8	5	D80CA
16	4	5	10	D71CA	16	10	D81CA
30	7.5	10	20	D72CA	30	25	D82CA
50	15	15	30	D73CP			
70	20	25	50	D74CP			
135	40	50	100	D75CP			

NOTE: For more information on Baldor Soft Starters see a Baldor Distributor or Baldor Sales Office. Additional sizes and enclosed controls are available.

Single Phase Starter



Applications: This industrial solid state control will reduce initial starting torque and current of single phase motors allowing them to be started with minimum voltage drop. High starting torque problems such as belt slippage may be eliminated. Ideal for crop dryers, augers, bucket elevators and fan or pump applications.

Features: Two adjustable starting torque settings. Adjustable ramp-up time to 30 seconds.

Open/Panel							
115/230 Volts 50/60 Hz							
Amp Size	Max Hp at VAC		Catalog No.	Amp Size	Max Hp at VAC		Catalog No.
	115	230			115	230	
7	1/4	3/4	S20CA	40	3	7.5	S23CA
12	1/2	2	S21CA	110	10	25 [Ⓜ]	S25CA [Ⓢ]
24	2	3	S22CA				

NOTE: [Ⓢ] UL and CSA pending.

[Ⓜ] To size large single phase starters, use the motor full load amps.

Solid State Soft Starters and Controls For AC Motors

Multipurpose Combination Starter



To size a Soft Starter, use the motor FLA, select a control with an amp rating larger than the motor FLA. If the FLA is not available, use the motor hp and operating voltage to select the control. All items are UL listed and UL Canada. For more information on Baldor Soft Starters, See the Baldor Stock Products Catalog.

Combination starters contain:

- Starter
- Overload Relay
- Circuit Breaker

Baldor builds a complete line of Soft Starters and Dynamic Brakes which can be built to your specifications. Contact your local Baldor sales office for more information.

NEMA 1				NEMA 1			
208/230/460 Volts				575 Volts (Can also be used at 230/460 volts)			
Amp Size	Max Hp at VAC			Catalog No.	Amp Size	Max H. at VAC	Catalog No.
	208	230	460			575	
160	50	60	125	MB7-160-AB	160	150	MB8-160-AB
250	60	75	150	MB7-250-AB-1	250	200	MB8-250-AB-1
250	75	100	200	MB7-250-AB	250	250	MB8-250-AB
420	150	150	350	MB7-420-AB	420	400	MB8-420-AB
600	200	250	500	MB7-600-AB	600	600	MB8-600-AB

NEMA 12 (Can also be used for NEMA 1)				Open Panel					
208/230/460 Volts				208/230/460 Volts					
Amp Size	Max Hp at VAC			Catalog No.	Amp Size	Max Hp at VAC			Catalog No.
	208	230	460			208	230	460	
8	2	2	5	MA7-008-AC	55	15	20	40	MB7-055-AP
16	3	5	10	MA7-016-AC	80	25	30	60	MB7-080-AP
30	7.5	10	20	MA7-030-AC	160	40	40	75	MB7-160-AP-1
55	15	20	40	MA7-055-AC	160	50	60	125	MB7-160-AP
80	25	30	60	MA7-080-AC	250	60	75	150	MB7-250-AP-1
140	40	50	100	MA7-140-AC	250	75	100	200	MB7-250-AP
250	60	75	150	MB7-250-GC-1*					
250	75	100	200	MB7-250-GC*					

NOTE: * Uses a Bypass Contactor

MANUFACTURED BY BALDOR!

900 SERIES FLANGED WORM GEAR REDUCERS

QUILL TYPE NEMA C-FACE INPUT

SINGLE AND DOUBLE OUTPUT SHAFT, SINGLE SHAFT IS IN LEFT HAND POSITION FACING INPUT SHAFT. Factory filled with Mobil SHC634 oil and sealed for lifetime maintenance free service.



Applications: Wide variety of applications requiring slow speed and high torque. Ideal for conveyors, material handling, textile machines, packaging machinery, etc.

Features: Heavy duty cast iron housings, chill cast bronze worm gears, hardened steel worms, ball bearings on input shaft, tapered roller bearings on output shaft. Industry standard mounting dimensionally interchangeable with many other worm gear reducers. Optional mounting bases shown on page 49.

Nominal Output RPM @ 1750 RPM IN	Gear Ratio	Continuous Duty Output Torque (In-Lbs.) Based on 1750 RPM Motor										Max Input Hp	Max Output Torque Rating In-Lbs	Nema Motor Mount	Style No.	Catalog No.	Ap'x. Shpg. Wgt.
		0.25	0.33	0.50	0.75	1	1.5	2	3	5	7.5						
350	5			75	112	149						1.11	165	56C	F-913-5-B5-G	GF0513AG	15
	5				115	154	231					1.50	231	56C	F-915-5-B5-G	GF0515AG	25
	5				115	154	231					1.50	231	140TC	F-915-5-B7-G	GF0515BG	25
	5					160	240	320				2.00	320	56C	F-918-5-B5-G	GF0518AG	25
	5					160	240	320				2.00	320	140TC	F-918-5-B7-G	GF0518BG	25
	5						246	327	491			3.14	514	140TC	F-921-5-B7-G	GF0521BG	31
	5						246	327	491			3.14	514	140TC	F-921G-5-B7-G	GF05G21BG	31
	5							339	508			4.17	705	180TC	F-924-5-B9-G	GF0524CG	38
	5							339	508	847		5.43	919	180TC	F-926-5-B9-G	GF0526CG	54
175	10		82	125	187							0.90	225	56C	F-913-10-B5-G	GF1013AG	15
	10		82	125	187							0.90	225	56C	F-913-10-B5-H	GF1013AH*	15
	10			141	211	282						1.03	290	56C	F-915-10-B5-G	GF1015AG	25
	10			141	211	282						1.03	290	56C	F-915-10-B7-G	GF1015BG	25
	10				214	285	428					1.50	428	56C	F-918-10-B5-G	GF1018AG	25
	10				214	285	428					1.50	428	56C	F-918-10-BG-H	GF1018AH*	25
	10				214	285	428					1.50	428	140TC	F-918-10-B7-G	GF1018BG	25
	10					312	468	624				2.02	630	56C	F-921-10-B5-G	GF1021AG	31
	10					312	468	624				2.02	630	56C	F-921G-10-B5-G	GF10G21AG	31
	10					312	468	624				2.02	630	56C	F-921-10-B5-H	GF1021AH*	31
	10					312	468	624				2.02	630	140TC	F-921-10-B7-G	GF1021BG	31
	10					312	468	624				2.02	630	140TC	F-921G-10-B7-G	GF10G21BG	31
	10					317	475	634				2.73	893	140TC	F-924-10-B7-G	GF1024BG	38
	10							655	983			3.59	1177	140TC	F-926-10-B7-G	GF1026BG	54
	10							655	983			3.59	1177	180TC	F-926-10-B9-G	GF1026CG	54
10								990	1649		6.36	2106	180TC	F-932-10-B9-G	GF1032CG	97	
10								963	1604	2407	9.05	2905	210TC	F-938-10-B11-G	GF1038DG	126	
117	15	89	118	179								0.66	228	56C	F-913-15-B5-G	GF1513AG	15
	15	89	118	179								0.66	228	56C	F-913-15-B5-H	GF1513AH*	15
	15		127	193	289							0.81	312	56C	F-915-15-B5-G	GF1515AG	25
	15			209	314	419						1.07	448	56C	F-918-15-B5-G	GF1518AG	25
	15			209	314	419						1.07	448	56C	F-918-15-B5-H	GF1518AH*	25
	15			246	369	492						1.35	664	56C	F-921-15-B5-G	GF1521AG	31

NOTE: Refer to Catalog CA1600 for Dimensions and Engineering Information.

NOTE: Service Class I Torque Ratings
 Service Class II Torque Ratings
 Service Class III Torque Ratings



MANUFACTURED BY BALDOR!

900 SERIES FLANGED WORM GEAR REDUCERS QUILL TYPE NEMA C-FACE INPUT Contd...

Nominal Output RPM @ 1750 RPM IN	Gear Ratio	Continuous Duty Output Torque (In-Lbs.) Based on 1750 RPM Motor										Max Input Hp	Max Output Torque Rating In-Lbs	Nema Motor Mount	Style No.	Catalog No.	Ap'x. Shpg. Wgt.	
		0.25	0.33	0.50	0.75	1	1.5	2	3	5	7.5							
117	15			246	369	492							1.35	664	56C	F-921-15-N5-H	GF1521AH*	31
	15			246	369	492							1.35	664	140TC	F-921-15-B7-G	GF1521BG	31
	15			246	369	492							1.35	664	140TC	F-921G-15-B7-G	GF15G21BG	31
	15					470	705	939					2.11	992	56C	F-924-15-B5-G	GF1524AG	38
	15					470	705	939					2.11	992	140TC	F-924-15-B7-G	GF1524BG	38
	15					473	710	947					2.58	1225	140TC	F-926-15-B7-G	GF1526BG	54
	15							959	1438				4.66	2241	140TC	F-932-15-B7-G	GF1532BG	97
	15							959	1438				4.66	2241	180TC	F-932-15-B9-G	GF1532CG	97
	15								1409	2349			6.64	3118	180TC	F-938-15-B9-G	GF1538CG	126
88	20	113	149	226									0.53	239	56C	F-913-20-B5-G	GF2013AG	15
	20	113	149	226									0.53	239	56C	F-913-20-B5-H	GF2013AH*	15
	20	96	169	256									0.63	317	56C	F-915-20-B5-G	GF2015AG	25
	20		165	251	376								0.92	317	56C	F-915-20-B5-G	GF2015AG	25
	20		165	251	376								0.92	461	56C	F-918-20-B5-H	GF2018AH*	25
	20			323	484	645							1.06	684	56C	F-921-20-B5-G	GF2021AG	31
	20			323	484	645							1.06	684	56C	F-921G-20-B5-G	GF20G21AG	31
	20			323	484	645							1.06	684	56C	F-921-20-B5-H	GF2021AH	31
	20			323	484	645							1.06	684	140TC	F-921-20-B7-G	GF2021BG	31
	20			323	484	645							1.06	684	140TC	F-921G-20-B7-G	GF20G21BG	31
	20				451	602	902						1.72	1038	56C	F-924-20-B5-G	GF2024AG	38
	20				451	602	902						1.72	1038	140TC	F-924-20-B7-G	GF2024BG	38
	20					609	913	1218					2.15	1308	56C	F-926-20-B5-G	GF2026AG	54
	20					609	913	1218					2.15	1308	140TC	F-926-20-B7-G	GF2026BG	54
	20						924	1232	1848				3.85	2383	140TC	F-932-20-B7-G	GF2032BG	97
20						924	1232	1848				3.85	2383	180TC	F-932-20-B9-G	GF2032CG	97	
20							1176	1764	2940			5.43	3193	180TC	F-938-20-B9-G	GF2038CG	126	
70	25	119	157	238									0.50	238	56C	F-913-25-B5-G	GF2513AG	15
	25	156	206	312									0.51	318	56C	F-915-25-B5-G	GF2515AG	25
	25		183	277	416								0.80	444	56C	F-918-25-B5-G	GF2518AG	25
	25		250	379	569								0.89	675	56C	F-921-25-B5-G	GF2521AG	31
	25		250	379	569								0.89	675	56C	F-921G-25-B5-G	GF25G21AG	31
	25			365	547	729							1.37	1002	140TC	F-924-25-B7-G	GF2524BG	38
	25				567	756	1134						1.73	1307	140TC	F-926-25-B7-G	GF2526BG	54
	25						1134	1513	2269				3.13	2355	140TC	F-932-25-B7-G	GF2532BG	97
58	30	148	195										0.42	248	56C	F-913-30-B5-G	GF3013AG	15
	30	148	195										0.42	248	56C	F-913-30-B5-H	GF3013AH*	15
	30	159	210	318									0.50	318	56C	F-915-30-B5-G	GF3015AG	25
	30		216	327									0.72	470	56C	F-918-30-B5-G	GF3018AG	25
	30		216	327									0.72	470	56C	F-918-30-B5-H	GF3018AH*	25
	30		275	416	624								0.83	691	56C	F-921-30-B5-G	GF3021AG	31
	30		275	416	624								0.83	691	56C	F-921-30-B5-H	GF3021AG*	31
	30		275	416	624								0.83	691	56C	F-921G-30-B5-G	GF30G21AG	31

NOTE: Service Class I Torque Ratings
 Service Class II Torque Ratings
 Service Class III Torque Ratings

NOTE: Refer to Catalog CA1600 for Dimensions and Engineering Information. *Double end shaft.






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**900 SERIES FLANGED WORM GEAR REDUCERS
QUILL TYPE NEMA C-FACE INPUT Contd...**

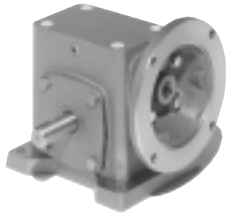
Nominal Output RPM @ 1750 RPM IN	Gear Ratio	Continuous duty Output Torque (In-Lbs.) Based on 1750 RPM Motor										Max Input Hp	Max Output Torque Rating In-Lbs	Nema Motor Mount	Style No.	Catalog No.	Ap'x. Shpg. Wgt.
		0.25	0.33	0.50	0.75	1	1.5	2	3	5	7.5						
58	30			420	630	840						1.32	1111	56C	F-924-30-B5-G	GF3024AG	38
	30			420	30	840						1.32	1111	140TC	F-924-30-B7-G	GF3024BG	38
	30				641	854	1281					1.54	1313	56C	F-926-30-B5-G	GF3026AG	54
	30				641	854	1281					1.54	1313	140TC	F-926-30-B7-G	GF3026BG	54
	30					881	1322	1763				2.81	2482	140TC	F-932-30-B7-G	GF3032BG	97
	30							1626	2438			3.97	3226	180TC	F-938-30-B9-G	GF3038CG	126
44	40	174	230									0.33	230	56C	F-913-40-B5-G	GF4013AG	15
	40	174	230									0.33	230	56C	F-913-40-B5-H	GF4013AH*	15
	40	208	275									0.38	317	56C	F-915-40-B5-G	GF4015AG	25
	40	180	238	360								0.64	461	56C	F-918-40-B5-G	GF4018AG	25
	40		340	515								0.66	680	56C	F-921-40-B5-G	GF4021AG	31
	40		340	515								0.66	680	56C	F-921G-40-B5-G	GF40G21AG	31
	40			521	781							0.99	1030	56C	F-924-40-B5-G	GF4024AG	38
	40			521	781							0.99	1030	56C	F-924-40-B5-H	GF4024AH*	38
	40			524	786	1049						1.23	1296	56C	F-926-40-B5-G	GF4026AG	54
	40			524	786	1049						1.23	1296	140TC	F-926-40-B7-G	GF4026BG	54
	40					1081	1622	2163				2.20	2374	140TC	F-932-40-B7-G	GF4032BG	97
40						1596	2129	3193			3.00	3192	180TC	F-938-40-B9-G	GF4038CG	126	
35	50	177	234									0.33	234	56C	F-913-50-B5-G	GF5013AG	15
	50	177	234									0.33	234	56C	F-913-50-B5-H	GF5013AH*	15
	50	230	303									0.33	303	56C	F-915-50-B5-G	GF5015AG	25
	50	222	294									0.49	436	56C	F-918-50-B5-G	GF5018AG	25
	50	280	370	561								0.58	651	56C	F-921-50-B5-G	GF5021AG	31
	50	280	370	561								0.58	651	56C	F-921G-50-B5-G	GF50G21AG	31
	50	280	370	61								0.58	651	56C	F-921-50-B5-H	GF5021AH*	31
	50		401	608	912							0.83	1014	56C	F-924-50-B5-G	GF5024AG	38
	50			621	932	1242						1.00	1242	56C	F-926-50-B5-G	GF5026AG	54
	50			621	932	1242						1.00	1242	140TC	F-926-50-B7-G	GF5026BG	54
	50				1086	1448	2172					1.63	2366	56C	F-932-50-B5-G	GF3032AG	97
	50				1086	1448	2172					1.63	2366	140TC	F-932-50-B7-G	GF5032BG	97
50					1152	1729	2305				2.67	3076	140TC	F-938-50-B7-G	GF5038BG	126	
29	60	218	288									0.33	288	56C	F-915-60-B5-G	GF6015AG	25
	60	220	290									0.47	413	56C	F-918-60-B5-G	GF6018AG	25
	60	220	290									0.47	436	56C	F-918-60-B5-H	GF6018AH*	25
	60	317	418	634								0.50	634	56C	F-921-60-B5-G	GF6021AG	31
	60	317	418	634								0.50	634	56C	F-921G-60-B5-G	GF50G21AG	31
	60		458	693								0.69	956	56C	F-924-60-B5-G	GF6024AG	38
	60		458	716	1074							0.82	1166	56C	F-926-60-B5-G	GF6026AG	54
	60		458	716	1074							0.82	1166	56C	F-926-60-B5-H	GF6026AH*	54
	60				1100	1467	2200					1.54	2255	56C	F-932-60-B5-G	GF6032AG	97
	60				1100	1467	2200					1.54	2255	140TC	F-932-60-B7-G	GF6032BG	97
	60					1254	1881	2508				2.33	2921	140TC	F-938-60-B7-G	GF6038BG	126

NOTE: Optional Shaft Positions, Base Installation and Motor Mounting available through Mod Express. Refer to a Baldor District Office for pricing & delivery. *Double end shaft.

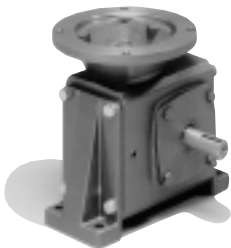
NOTE:  Service Class I Torque Ratings
 Service Class II Torque Ratings
 Service Class III Torque Ratings



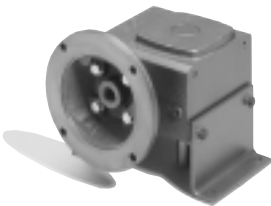
OPTIONAL 900 SERIES HORIZONTAL, VERTICAL AND J BASE KITS



HORIZONTAL BASE



J BASE



VERTICAL BASE

Base Description	Size (Position)	Base Part #	Catalog No.	Ap'x. Shpg. Wgt.
HORIZ.	913 (A,B)	913-71	B13H71	1
VERT. low	913 (D,F)	913-81	B13V81	2
VERT. high	913 (C,E)	913-91	B13V91	2
VERT J	913 (X,Y)	913-92	B13J92	2
HORIZ.	915 (A,B)	915-71	B15H71	2
VERT. low	915(D,F)	915-81	B15V81	2
VERT. high	915 (C,E)	915-91	B15V91	2
VERT. J	915 (X,Y)	915-92	B15J92	2
HORIZ.	918 (A,B)	918-71	B18H71	2
VERT. low	913 (D,F)	918-81	B18V81	3
VERT. high	918 (C,E)	918-91	B18V91	3
VERT. J	918 (X,Y)	918-92	B18J92	3
HORIZ.	921G (A,B)	921G-71	B21GH71	3
HORIZ.	921 (A,B)	921-71	B21H71	2
VERT. low	921G (D,F)	921G-81	B21GV81	3
VERT. low	921 (D,F)	921-81	B21V81	3
VERT. high	921 (C,E)	921-91	B21V91	3
VERT. J	921 (X,Y)	921-92	B21J92	3
HORIZ.	924 (A,B)	924-71	B24H71	3
VERT. low	924 (D,F)	924-81	B24V81	4
VERT. high	924 (C,E)	924-91	B24V91	4
VERT. J	924 (X,Y)	924-92	B24J92	4
HORIZ.	926 (A,B)	926-71	B26H71	4
VERT. low	926 (D,F)	926-81	B26V81	6
VERT. high	926 (C,E)	926-91	B26V91	6
VERT. J	926 (X,Y)	926-92	B26J92	6
HORIZ.	930 (A,B)	930-71	B30H71	8
VERT. low	930 (D,F)	930-81	B30V81	8
VERT. high	930 (C,E)	930-91	B30V91	8
HORIZ.	932 (A,B)	932-71	B32H71	10
VERT. low	932 (D,F)	932-81	B32V81	12
VERT. high	932 (C,E)	932-91	B32V91	12
HORIZ.	938 (A,B)	938-71	B38H71	15
VERT. low	938(D,F)	938-81	B38V81	18
VERT. high	938(C,E)	938-91	B38V91	18



PERMANENT MAGNET SCR DRIVE MOTORS TENV AND TEFC - RIGID BASE WITH C-FACE

1/4 THRU 5 HP

NEMA 56C THRU 1810ATC

Applications: Conveyors, mixers, packaging machinery and other applications requiring variable speed and constant torque.

Features: NEMA C-face with removable base. Tach adaptable. Class F insulation, double sealed ball bearings. UL and CSA recognized. 3300P motors are TENV, all others are TEFC. No dual mounting base holes on 33P type.

Hp	Base Speed	Nema Frame	Catalog No.	Connection Diagram	Voltage		Full Load Amperage		Type	Ap'x. Shpg. Wgt.
					Direc Current		Arm.	Fld.		
1/4	1750	56C	CDP3310	CD0194	90	PM	2.5	PM	3320P	24
1/4	1750	56C	CDP3306	CD0194	180	PM	1.25	PM	3320P	24
1/3	1750	56C	CDP3320	CD0194	90	PM	3.2	PM	3327P	27
1/3	1750	56C	CDP3316	CD0194	180	PM	1.6	PM	3327P	27
1/2	1750	56C	CDP3330	CD0194	90	PM	4.8	PM	3336P	32
1/2	1750	56C	CDP3326	CD0194	180	PM	2.5	PM	3336P	31
3/4	1750	56C	CDP3440	CD0194	90	PM	7.6	PM	3428P	39
3/4	1750	56C	CDP3436	CD0194	180	PM	3.7	PM	3428P	38
1	1750	56C	CDP3445	CD0194	90	PM	10.0	PM	3435P	44
1	1750	56C	CDP3455	CD0194	180	PM	5.0	PM	3435P	44
1 1/2	1750	145TC	CDP3575	CD0194	180	PM	7.7	PM	3536P	67
2	1750	145TC	CDP3585	CD0194	180	PM	9.6	PM	3548P	74

FIELD CONVERSION TACH MOUNTING KITS FOR PERMANENT MAGNET AND SHUNT WOUND MOTORS (FOR PY FLANGE MOUNTED BTG1000, XPY, XPYII AND DPY TACHOMETERS)

Complete kits consisting of fan cover (except TK3300), shaft extension coupling and tach adapter bracket with miscellaneous hardware. If you prefer, the conversion can be made by Baldor through Mod Express.

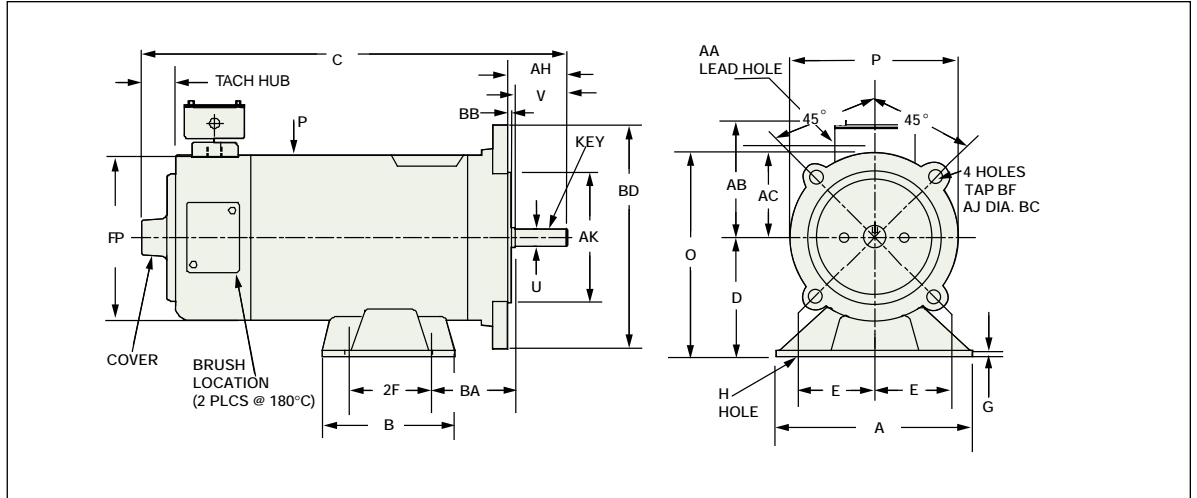
Baldor Motor Type	Kit Catalog No.	Ap'x. Shpg. Wgt.
3300P	TK3300	1
3400D/P	TK3400	4
3500D/P	TK3500	9

DC MOTOR DIMENSIONS

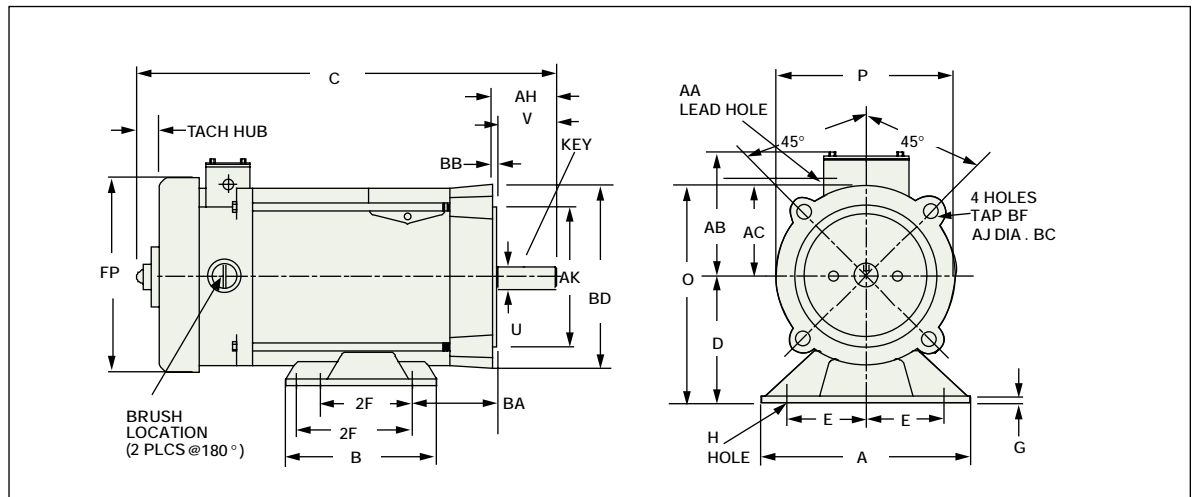
SCR Drive Motors
NEMA 56C Through 145TC

Totally Enclosed, Fan-Cooled, Totally Enclosed, Non-Vented

Type
3300P
Drawing #1



Type
3400P,
3500P,
Drawing #2



DC Motor Dim.			Foot Mounting							Pulley Shaft Dim.				Frame				
#	Type	Nema Frame	C	Tach Hub	BA	E	2F	G	H	U	V	KEY	AH	A	B	D	O	P
#1	3320P	56C	12.31	0.821	2.75	2.437	3.00	0.187	0.34	0.62	1.87	0.187	2.06	6.50	4.50	3.50	6.25	4.687
	3327P		13.25															
	336P		15.00															
#2	3420P	56C	14.52	0.812	2.75	2.437	3.00	0.25	0.34	0.62	1.87	0.187	2.06	6.75	5.50	3.50	6.87	5.687
	3428P		14.62															
	3435P		15.50															
#2	3524P	145TC	15.31	0.812	2.75	2.75	4.00	0.12	0.375	0.87	2.25	0.187	2.12	6.50	5.937	3.50	6.87	6.87
	3536P	143TC	17.19															
	3548P	145TC	18.19															

NEMA ENCLOSED DC CONTROLS FOR PERMANENT MAGNET OR SHUNT WOUND MOTORS



BC140 ENCLOSED (NEMA 1)

Features common to enclosed and chassis mount controls:

- 1) Full wave SCR control with free wheeling diode (NEMA type K).
- 2) Field power supply allows use with shunt wound DC motors as well as permanent magnet motors.
- 3) Adjustable accel, decel, current limit, IR comp, min and max speed. Current limit indicating LED.
- 4) 5K speed pot for speed control (Remote on chassis mount).
- 5) Kit available for forward/brake/reverse switching (BC140, BC154, only).
- 6) Horsepower resistor and armature fuse selectable to match control and motor for each application. (Included in price of control).
- 7) Customer selectable armature or tach feedback (except BC138, BC139, BC140, BC140-FBR).
- 8) Anti-damage circuit protects PM motors and helps protect the SCR power bridge against direct shorts.
- 9) Noise rejection circuit eliminates false starts and blown SCR's.

Additional features are standard only on enclosed control:

- | | |
|-------------------------------|--|
| 1) On-off switch | 4) 115/230 voltage selection switch (BC140 and BC140-FBR only) |
| 2) Pilot light | 5) Built in armature and line fusing |
| 3) Terminal strip connections | 6) BC140-FBR includes Forward-Brake-Reverse switch |

A Plug-in Horsepower Resistor® and armature fuse **must** be ordered and installed in BC138, BC139, BC140, and BC140-FBR.

Resistor should be selected based on the motor's rated current. Spare resistor kits are also available. Please refer to the following page for a list of Plug-in Horsepower Resistors and fuse kit.

Hp Range	Catalog No.	Ap'x Shpg. Wgt. Lbs.	Input Voltage
1/100-1/3	BC138	1	115
1/50-3/4	BC139	1	230
1/100-2*	BC140	3	115/230
1/100-2*	BC140-FBR	3	115/230

NOTE: *1 HP at 115V and 2 HP at 230V requires BC143 heatsink kit.

DC CONTROL ACCESSORIES

Catalog No.	Description	Ap'x. Shpg. Wgt.
BC143	External Heatsink Kit (BC140, and BC140-FBR)	2

NEMA 4X WASHDOWN DUTY DC CONTROL AND ACCESSORIES



BC154 or BC160

Baldor's NEMA 4X controls BC154, and BCWD140 are one-way controls with reversal by means of switching the armature leads (BCWD140 has a fwd-brk-rev switch mounted).

Both offer a choice of armature or tachometer feedback and a speed or torque mode. No HP resistors are needed for these controls, current is jumper selectable. BC154 is painted black and comes with a start-stop switch. BCWD140 comes with white epoxy paint and fwd-brk-rev and run-jog switches.



BCWD140

NEMA 4X WASHDOWN DUTY SCR CONTROLS

Hp Range	Catalog No.	Description Input Voltage / Max Hp	Ap'x Shpg. Wgt. Lbs.	Input Voltage
1/4-2	BC154	120V - 1HP, 230V - 2 HP	5	115/230
1/4-2	BCWD140	120V - 1hp, 230V - 2hp	6	115/230

PLUG-IN HORSEPOWER RESISTOR & FUSE KIT

A Plug-in Horsepower Resistor® and armature fuse **must** be ordered and installed in BC138, BC139, BC140, and BC140-FBR.

These should be selected based on the motor's **rated current**. See selection below for catalog number. Spare resistor kits are available.

Motor Hp Armature Voltage		Plug-In Hp Resistor Resistance Value (Ohms)	Baldor Catalog No.	Ap'x DC Current (Amps)	DC Fuse Rating For Armature
90-130V	180V				
1/100	1/50	1.0	BR1000	0.20	0.5
1/50	1/25	.51	BR0510	0.30	0.5
1/30	1/15	.35	BR0350	0.33	0.5
1/20	1/10	.25	BR0250	0.5	0.75
1/15	1/8	.25	BR0251	0.8	1.0
1/12	1/6	.18	BR0180	0.85	1.25
1/8	1/4	.1	BR0100	1.3	2.0
1/6	1/3	.1	BR0101	2.0	2.5
1/4	1/2	.05	BR0050	2.5	4.0
1/3	3/4	.035	BR0035	3.3	5.0
1/2	1	.025	BR0025	5.0	8.0
3/4	1 1/2	.015	BR0015	7.5	12.0
1*	2*	.01	BR0010	10	15.0
1 1/2*	3*	.006	BR0006	15	25.0**

NOTE: * External Heatsink required.

** Also used with AC Line Fuse.

For AC line fuse rating see manual.

GENERATORS

POW'R GARD® PORTABLE GENERATORS 1300 THROUGH 11,000 WATTS



Applications: Pow'r Gard portable generators are suitable for most applications where portable power is needed. The performance and durability of these generators has made them the "generator of choice" for industrial applications. Pow'r Gard brushless two-pole generators are manufactured to the highest quality specifications in the market today, and come with a **Three-Year Warranty**.

Features: Pow'r Gard generators provide a "Switchless Full Pow'R" feature which eliminates the voltage selector "power switch". Get any combination of 120V or 240V power up to the maximum rating without changing voltage settings. The engines feature automatic idlers to reduce fuel consumption, as well as, lower engine noise levels and extend engine life. The Focal Vibration System® virtually eliminates harmful vibration and increases generator life.

- Designed for continuous operations*
- Automatic idler reduces fuel consumption
- Combination voltage output - 120V and/or 240V. No "Power Switch" required.
- Focal vibration system reduces vibration, extends life and eliminates "Floor Walking".

Catalog No.	Max. Watts	Cont. Watts	Fuel Cap.	Engine	Engine Hp	Volts	Ap'x. Shpg. Wgt.
PC13R	1300	1000	4.3 QTS.	ROBIN	3.5	120VAC/12VDC	61
OHV30	3000	2500	2.8 GAL.	HONDA	5.5	120VAC	112
R30	3000	2500	3.2 GAL.	ROBIN	5.5	120VAC	110
R45	4500	4000	4.4 GAL.	ROBIN	8.0	120/240VAC	170
OHV50H	5000	4000	4.6 GAL.	HONDA	9.0	120/240VAC	170
OHV60	6000	5000	4.6 GAL.	HONDA	11.0	120/240VAC	192
OHV60E	6000	5000	4.6 GAL.	HONDA	11.0	120/240VAC	206
R60	6000	5000	4.4 GAL.	ROBIN	11.0	120/240VAC	195
R60E	6000	5000	4.4 GAL.	ROBIN	11.0	120/240VAC	200
OHV85E	9000	8000	5.8 GAL.	VANGUARD	16.0	120/240VAC	224
OHV100E	10500	9500	5.8 GAL.	VANGUARD	18.0	120/240VAC	270
OHV110E	11000	10000	5.8 GAL.	HONDA	20.0	120/240VAC	270

NOTES: OHV60E and R60E, OHV85E and OHV100E have electric start and recoil start. PC13R does not have an automatic engine idler. Larger Kw ratings available, contact your District Office for details. * Proper engine maintenance is required.



Options	Features	Catalog No.
2 Wheel Pneumatic Dolly Kit *	Includes 10" pneumatic wheels, fold-down handles, power cable storage hanger, axle and mounting hardware	PGD2
4 Wheel Pneumatic Dolly Kit **	Includes 10" pneumatic wheels, axles, and mounting hardware	PGD4

NOTES: *Fit kilowatt ranges 4500 through 9000.

**Fit kilowatt ranges 4500-11,000.

Other options are available. Contact your District Sales Representative.

BALDOR
MOTORS AND DRIVES

GENERATORS

Premier Model	PC13R	R30	R45	R60 or R60E	OHV30	OHV50H	OHV60 or OHV60E	OHV110E	OHV85E	OHV100E
Switchless Full Pow'R	•		•	•		•	•	•	•	•
AC Voltmeter	•		•	•		•	•	•	•	•
Hourmeter		•	•	•	•	•	•	•	•	•
AC Circuit Breakers	•	•	•	•	•	•	•	•	•	•
DC Circuit Breakers	•									
Low Oil Shutdown	•	•	•	•		•	•	•	•	•
Automatic Idler		•	•	•		•	•	•	•	•
Spark Arrestor Muffler	•	•	•	•	•	•	•	•	•	
Extended Run Fuel Tanks		•	•	•	•	•	•	•	•	•
Tubular Roll Cage		•	•	•	•	•	•	•	•	•
Neoprene Isolators	•	•	•	•	•	•	•	•	•	•
Focal Vibration System (FVS)			•	•		•	•	•	•	•
*3 Year Commercial Warranty	•	•	•	•	•	•	•	•	•	•
Engine Model	Robin/ Subaru EY15 DSSVR	Robin/ Subaru EH17	Robin/ Subaru EH25	Robin/ Subaru EH34	Honda GX160	Honda GX270	Honda GX340	Honda GX620	Vanguard 303447	Vanguard 350477
Horsepower	3.5	5.5	8	11	5.5	9	11	20	16	18
Cylinder(s)	1	1	1	1	1	1	1	2	2	2
Displacement -cc	143	172	231	338	163	270	337	614	480	570
Lubrication System		Splash	Splash	Splash	Splash	Splash	Splash	Pressure	Pressure	Pressure
Starting Systems (Battery not included on Electric Start models)	Recoil	Recoil	Recoil	Recoil or 12 Volt with Recoil	Recoil	Recoil	Recoil or 12 Volt with Recoil	12 Volt Electric	12 Volt with Recoil	12 Volt with Recoil
Rating	1300W Max	3000W Max	4500W Max	6000W Max	3000W Max	5000W Max	6000W Max	11000W Max	9000W Max	10500W Max
	1000W Rated	2500W Rated	4000W Rated	5000W Rated	2500W Rated	4000W Rated	5000W Rated	10000W Rated	8000W Rated	9500W Rated
	120VAC 12VDC	120V AC	120/240V AC	120/240V AC	120V AC	120/240V AC	120/240V AC	120/240V AC	120/240V AC	120/240V AC
	8.3A/8.3A	20.8A	33.3/16.7A	41.6/20.8A	20.8A	33.3/16.7A	41.6/20.8A	83.3/41.6A	66.7/33.4A	79.2/39.6A
Receptacles										
Straight (5-15R GFCI) 120V	2-15Amp	4-15Amp	4-15Amp	4-15Amp	4-15Amp	4-15Amp	4-15Amp	4-15 Amp	4-15 Amp	4-15 Amp
Twist Lock (L530R) 120V			1-30Amp	1-30Amp		1-30Amp	1-30Amp	1-30 Amp	1-30 Amp	1-30 Amp
Twist Lock(L1430R) 120/240V			1-30Amp	1-30Amp		1-30Amp	1-30Amp	1-30 Amp	1-30 Amp	1-30 Amp
Twist Lock(CS6369) 120/240V								1-50 Amp		1-50 Amp
Fuel Capacity (U.S. gallons)	4.3Qt.	3.2Gal.	4.4Gal.	4.4Gal.	2.8Gal.	4.6Gal.	4.6Gal.	5.8	5.8	5.8
Operations Run Time -1 Tank	4Hrs.	6-9Hrs.	5-9Hrs.	4.5-8Hrs.	5-8Hrs.	6-10Hrs.	4-7Hrs.	4-6 Hrs.	4-7 Hrs.	4-6 Hrs.
Dimensions										
Length	19.5"	22.5"	27"	27"	25.5"	28"	28"	30"	28"	30"
Width	11.5"	15.75"	18.25"	18.25"	17.5"	20.5"	20.5"	23"	21.5"	23"
Height	16.25"	20.5"	23.25"	23.25"	18"	22.25"	22.25"	28.5"	27.5"	28.5"
				20-25 R60E						
Weight										
Net Dry	61Lbs.	110Lbs.	170Lbs.	195-200Lbs.	112Lbs	170Lbs	192-206Lbs.	270Lbs	224Lbs	270Lbs

NOTE: • Due to the continuing effort for product improvement, specifications are subject to change without notice. **WARNING:** Do not connect generator to any building's electrical system unless a disconnect switch has been installed. * Engine warranty per manufacturer.



GENERATORS

Why Buy a Pow'R Gard Portable Generator?

What makes one portable generator set better than another? Is the portable genset, sold at your local "do-it-yourself" store, the same as the genset you would buy from a distributor? They all look the same. The answer is an emphatic no. They are not the same.

The genset consists of two primary components, the engine and the generator. The engines on industrial grade gensets are superior to "do-it-yourself" genset engines. Industrial duty rated engines are not "lawn mower" engines. They are designed for harsh demanding environments and will provide years of dependable service.

Typically industrial duty engines have extended warranties. Pow'R Gard is Honda and Vanguard engines have a two-year limited warranty whereas, the Robin engine has a three-year limited warranty.

To extend engine life further, Pow'R Gard's Premier line of portable gensets are equipped with automatic idlers. Automatic idlers reduce the engine speed when no electrical load is present thus reducing engine mechanical wear.

Several genset manufacturers provide industrial duty engines on their premium genset lines, but this does not in itself make a genset industrial duty.

The most important component necessary for dependable performance and long life is the generator. Unlike some of the "good", "better", or "best" generator manufacturers, Pow'R Gard makes only one model generator; a true industrial duty model. Because of this, all of Pow'R Gard's portable gensets include the industry's first three-year warranty on the generator portion of the genset.

What makes the Pow'R Gard generator industrial duty rated? The answer is simple. They are built better than the competition.

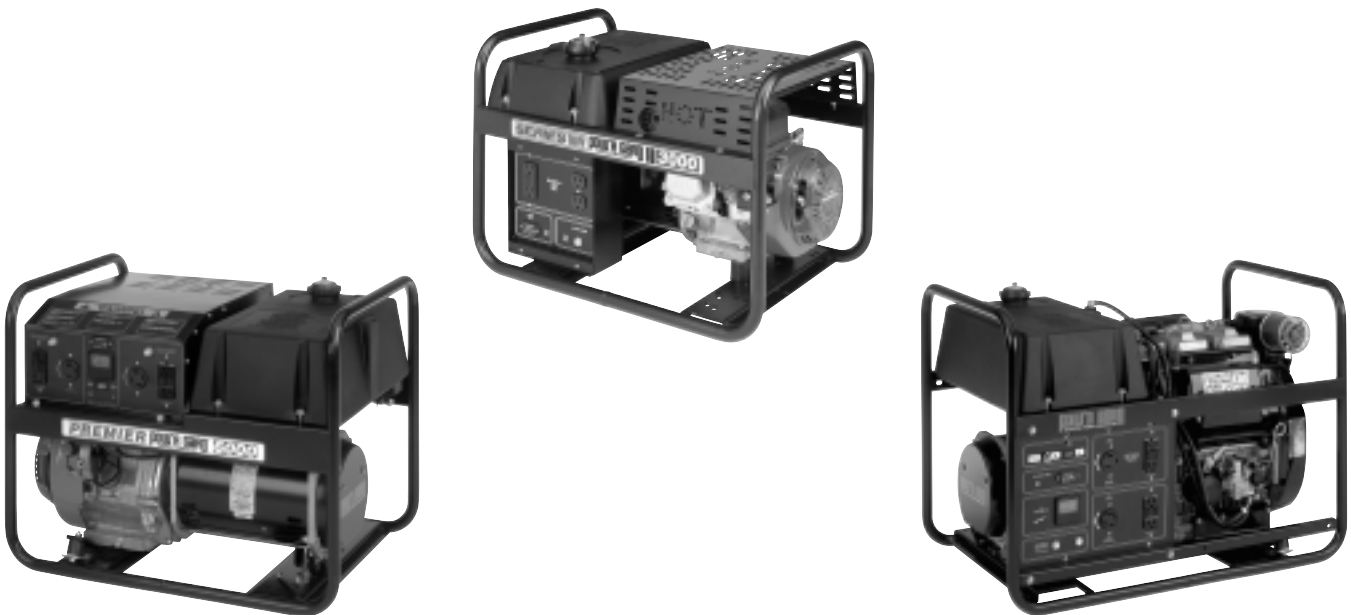
1. Pow'R Gard portable generators feature a better rotor design including:

- Magnetic grade lamination steel for better voltage control and motor starting capabilities.
- Fiberglass reinforced plastic insulation, to eliminate potential shorts to ground.
- Double enamel coated copper windings for additional protection from scratches and shorts. Copper windings also provide greater efficiency and less heat loss.
- Stamped steel winding locks, which allow safe operations to over 4500 RPM. This eliminates generator failures from governor tampering or overspeed conditions.
- A full dip (not just dribbled on) and bake thermal set epoxy rated varnish to provide maximum protection from movement, moisture, and damage from dust, sand, etc.
- A rubberized two-part protective coating on the completed rotor to protect the spinning winding from sand, stones, and moisture.

GENERATORS

Why Buy a Pow'R Gard Portable Generator?

2. Pow'R Gard portable generators feature a better stator design:
 - Magnetic grade lamination steel for better voltage control and motor starting capabilities.
 - Double enamel coated copper windings for additional protection from scratches and shorts. Copper windings also provide greater efficiency and less heat loss.
 - A full dip (not just dribbled on) and bake thermal set epoxy rated varnish to provide maximum protection from movement, moisture, and damage from dust, sand, etc.
 - An extra premium stator winding that allows full power with simultaneous multiple voltage ratings.
3. Pow'R Gard portable generators provide more usable power:
 - The generator is capable of providing 150% of its nameplate rating for electric motor starting applications. This will assist starting the electric motor while the current demand is heaviest.
 - These generators have the Switchless Full Pow'R® feature
 - This means that the generator can provide full power to both the 120V and 240V receptacles at the same time up to the generator's full power rating.
 - No equipment or generator damage due to having the "full power" switch in the wrong position.
 - No required training in how to use the generators "full power" switch.
 - The generator's excellent voltage regulation is within $\pm 1-3\%$.
4. Pow'R Gard generators are American made and backed by 30 years of industry experience.



AC Performance Data

Catalog No.	Winding No.	Hp	RPM	Type	SF	NLA	FLA	LRA	FLT	Break Down LB.FT.	Locked Rotor LB.FT.	Eff.	PF	Capacitor	
														Elec	Oil
AFL3520A	34-656	0.75	3450	3420L	1.00	4.07	5.5	25	1.2	2.88	3.25	71.0	68	270	
AFL3521A	35-498	1	3450	3524L	1.25	2.95	6		1.5	4.1	5	66.0	81	645	
AFL3522A	35-525	1.5	3450	3528L	1.00	4.5	7.5	42	2.3	5.6	5.5	70.0	82	645	
AFL3523A	35-5184	2	3450	3535L	1.00	6.5	11.5	78	3	9.5	7.5	74.0	82	645	
AFL3524A	35Y039	3	3450	3535LC	1.00	9	15	92	4.5	14.7	13.6	00.0	00.0	216	012
AFL3525A	35-525	1.5	3450	3528L	1.00	4.5	7.5	42	2.3	5.6	5.5	70.0	82	645	
AFM3528	34-255	0.75	3450	3413M	1.25	0.85	1.3	7.6	1.2	4.8	3.9	74.0	73		
AFM3529	34-282	1	3450	3416M	1.25	1.1	1.8	11	1.5	6.5	5.5	75.5	71		
AFM3530	35-82	1.5	3450	3516M	1.15	1.4	2.3	16	2.3	9	7.2	75.5	76		
AFM3532	35-863	3	3450	3535M	1.00	1.2	3.7	27	4.5	17	14.7	82.5	87		
ANFL3403M	34W524	0.25	1725	3411L	1.35	2.2	2.5	9.95	0.75	2.13	2.48	55.0	57	161	
ANFL3501M	34-5598	0.33	1725	3414L	1.35	2.6	3	13	1	2.95	3.6	60.0	60	189	
ANFL3504M	34W204	0.5	1725	3421L	1.25	28	3.7	16.5	1.5	4.13	4.65	68.0	66	270	
ANFL3507M	34X030	0.75	1725	3428LC	1.25	27	4.1	31	2.25	5.7	7.5	74.0	80	460	020
ANFL3510M	35Y842	1	1725	3524L	1.15	46	6.5	37	3	6.6	9.3	67.0	73	645	
ANFL3514M	35Y843	1.5	1725	3532LC	1.00	6	9	57	4.5	14.5	15	75.5	73	645	015
CFDL3501M	34W721	0.33	1725	3414L	1.35	2.6	3	13	1	2.95	3.6	60.0	60	189	
CFDL3504M	34W722	0.5	1725	3421L	1.25	2.8	3.7	16.5	1.5	4.13	4.65	68.0	66	270	
CFDL3507M	35S244	0.75	1725	3524L	1.25	4.2	5.3	35	2.25	6.5	9	66.0	68	645	
CFDL3510M	35S245	1	1725	3524L	1.15	4.6	6.5	37	3	6.6	9.3	67.0	73	645	
CFDL3514M	35S246	1.5	1725	3532LC	1.00	6	9	57	4.5	14.5	15	75.5	73	645	015
CFDL3516TM	35S247	2	1725	3535LC	1.15	1.4	8.3	63	6	14.5	17.5	78.0	99	216	030
CHC144A	*	0.25	1725		1.25		2.5								
CHC164A	*	0.25	1140		1.25		3.2								
CHC244A	*	0.33	1725		1.25		3								
CHC264A	*	0.33	1140		1.25		3.7								
CHC344A	*	0.5	1725		1.25		3.7								
CHC345A	*	0.5	1725		1.25		3.7								
CHC364A	*	0.5	1140		1.25		-								
CHC365A	*	0.5	1140		1.25		-								
CHC445A	*	0.75	1725		1.15		4.1								
CHC3413A	34-5632	0.25	1700	3414C	1.00	2.1	2.4	7.6	0.75	2.38	0.38	54.0	62		005
CHC3414A	34-5634	0.25	1100	3418C	1.00	1.91	2.2	5.6	1.15	2.38	0.71	51.0	67		008
CHC3416A	34-5631	0.33	1700	3418C	1.00	2.6	2.8	9.6	1	2.88	0.5	56.0	69		008
CHC3417A	34-5633	0.33	1100	3421C	1.00	2.45	2.8	7.6	1.5	3.5	1	54.0	67		010
CHC3524A	34-5630	0.5	1700	3421C	1.00	3.05	3.4	13.6	1.5	4.38	0.75	67.0	69		012
CHC3525A	35-3312	0.5	1100	3528C	1.00	2.4	3.6	12	2.25	4.88	0.5	62.0	71		008
CHC3526A	35X411	0.5	825	3535C	1.00	3.4	4.6	11	3.1	4.9	1.3	50.0	68		010
CHC3528A	35X410	0.75	1125	3535C	1.00	2.8	4.5	15.6	3.5	6.5	1	71.0	74		012
CHL3523A	34-5593	0.5	1725	3421L	1.25	3.8	3.7	16.5	1.5	4.13	4.65	68.0	66	270	
CHM144A	*														
CHM164A	*														
CHM244A	*														
CHM264A	*														
CHM344A	*														
CHM345A	*														
CHM364A	*														
CHM365A	*														
CHM445A	*														
CJL145A	*	0.25	1725		1.35		2.5								
CJL225A	*	0.22	3450		1.75		2.8								
CJL245A	*	0.33	1725		1.35		2.7								
CJL325A	17W218	0.5	3450	1716L	1.60	2.3	3.3	23	3.3	2.4	2.5	72.0	76	108	
CJL345A	*	0.5	1725		1.25		3.8								
CJL425A	17W219	0.75	3450	1720L	1.50	3.1	4.6	26.6	1.14	3.3	1.6	72.0	77	189	
CJL445A	*	0.75	1725		1.25		4.2								
CJL525A	17W127	1	3450	1728L	1.40	6.3	7.6	50.5	1.5	5.5	5	66.0	68	645	
CJL1205A	34-2534	0.33	3450	3416L	1.75	2.55	3.1	14.5	0.5	1.7	1.6	58.0	61	130	
CJL1301A	34-5599	0.33	1725	3414L	1.35	2.6	3	13	1	2.95	3.6	60.0	60	130	
CJL1303A	34-2413	0.5	3450	3420L	1.60	2.75	3.7	20	0.75	2.3	2	66.0	67	189	
CJL1304A	34-5595	0.5	1725	3418L	1.25	34	4.2	18	1.5	4.35	5.03	62.0	62	189	
CJL1306A	34-2414	0.75	3450	3424L	1.50	4.2	5.5	30	1.1	3.6	3	69.0	68	270	

Note: * Item currently under development.
Contact your local District Office for details.



Note: For low voltage amp value, double high voltage value

AC Performance Data

Catalog No.	Winding No.	Hp	RPM	Type	SF	NLA	FLA	LRA	FLT	Break Down LB.FT.	Locked Rotor LB.FT.	Eff.	PF	Capacitor	
														Elec	Oil
CJL1307A	35-519	0.75	1725	3520L	1.25	4.8	5.4	16	2.25	6.1	9.5	63.0	64	400	
CJL1309A	34-3375	1	3450	3428L	1.40	5.6	7	46	1.5	5.3	4.4	63.0	65	645	
CJL1313A	34X598	1.5	3450	3432LC	1.30	1.65	6.5	43.5	2.3	6.2	6.7	78.5	95	540	050
CJL1317A	35W183	2	3450	3528L	1.20	9.3	13	79	3	10.4	7.1	70.0	69	645	
CJL3501A	34-5597	0.33	1725	3414L	1.35	2.6	3	13	1	2.95	3.6	60.0	60	189	
CJL3504A	34-5593	0.5	1725	3421L	1.25	2.8	3.7	16.5	1.5	4.13	4.65	68.0	66	270	
CJL3507A	34W998	0.75	1725	3428LC	1.25	2.7	4.1	31	2.25	5.7	7.5	74.0	80	460	020
CL1408TM	36-2761	3	1725	3634LC	1.15	8.5	16	107	9	21	30.8	78.0	78	645(2)	020
CL1410TM	36W903	5	1725	3640LC	1.15	8.4	23	140	15	34	41	82.5	87	216(2)	040
CL3516TM	35W226	2	1725	3535LC	1.15	1.4	8.3	63	6	14.5	17.5	78.0	99	216	030
CL3608TM	36W957	5	3450	3640LC	1.00	2.3	19.5	128	7.5	26	15	83.0	99	161(2)	040
CL3612TM	36W279	5	1725	3646LC	1.00	10	23	163	15	43	46	80.0	88	216(2)	030
CL3619TM	36W835	3	1725	3634LC	1.00	6.2	13.2	100	9	22	26	81.5	90	216(2)	030
CWDL3504	35-154	0.5	1725	3520L	1.15	3.5	4	24	1.5	5	6	64.0	63	400	
CWDL3507	35-155	0.75	1725	3524L	1.25	4.4	5.3	34	2.25	6.5	7	66.0	68	645	
CWDL3509	35-180	1	3450	3524L	1.25	3.15	5.5	38	1.5	3.7	4.5	66.0	81	645	
CWDL3510	35X945	1	1725	3524L	1.15	4.1	6.4	35	3	6.6	7.8	67.0	73	645	
CWDL3513	35-199	1.5	3450	3528L	1.15	4.2	7.5	42	2.3	5.6	5.5	70.0	82	645	
CWDL3514	35X944	1.5	1725	3532LC	1.15	5.2	8	57	4.5	14.5	15	75.5	80	645	015
DEL3708TM	37W660	5	1725	3744LC	1.15	4.1	21.2	150	15	34	45	81.0	92	216(2)	035
DEL3733TM	37W659	7.5	1725	3750LC	1.15	10.8	28	220	22.4	58	93	85.0	98	216(4)	060
DEL3737TM	37Y975	10	1725	3756LC	1.15	4.7	39	288	30.2	85	90	85.0	95	216(4)	060
EL1203	34W955	0.25	1745	3414LC	1.35	0.7	1.25	9.1	0.75	1.9	2.4	74.0	89	108	015
EL1301	34W954	0.33	1740	3418LC	1.35	0.7	1.6	11	1	2.6	3.4	77.0	88	145	016
EL1304	34W959	0.5	1745	3424LC	1.25	1	2.3	18.1	1.5	3.6	3.7	78.5	89	270	020
EL1307	35S679	0.75	1755	3524LC	1.25	1.55	3.25	67	2.25	6.6	7.6	84.0	90	540	035
EL1310	35S680	1	1755	3528LC	1.15	1.65	4.3	40.5	3	8.2	10.6	84.0	91	645	035
EL1319	35S681	1.5	1755	3535LC	1.15	2.75	6.25	55	4.5	11.2	11.5	85.5	94	645	040
EL1319T	35S681	1.5	1755	3535LC	1.15	2.75	6.25	55	4.5	11.2	11.5	85.5	94	645	040
EL1405T	36Y526	2	1740	3623LC	1.15	2.72	8.8	62.4	6.1	13.2	14.7	82.5	90	645	040
EL1408T	36Y527	3	1755	3628LC	1.15	2.41	11.9	81.6	9	22	24.7	85.5	94	130(2)	030
EL1410T	36Y585	5	1735	3646LC	1.15	3.4	19.1	129	15	37	42	86.5	97	216(2)	060
EL3403	34W955	0.25	1745	3414LC	1.35	0.7	1.25	9.1	0.75	1.9	2.4	74.0	89	108	015
EL3501	34X028	0.33	1740	3418LC	1.35	0.7	1.6	11	1	2.6	3.4	77.0	88	145	016
EL3504	34X029	0.5	1745	3424LC	1.25	1	2.3	18.1	1.5	3.6	3.7	78.5	89	270	020
EL3507	35S757	0.75	1755	3528LC	1.25	1.35	3.15	30	2.25	6.6	8.3	82.5	90	460	035
EL3510	35S758	1	1760	3532LC	1.15	1.7	4.25	40	3	8	8.6	82.5	91	645	040
EL3514	35S759	1.5	1760	3540LC	1.15	1.9	6.3	51	4.5	12	12.5	84.0	94	645	040
EL3514T	35S759	1.5	1760	3540LC	1.15	1.9	6.3	51	4.5	12	12.5	84.0	94	645	040
EL3605T	36Y546	2	1740	3623LC	1.15	2.72	8.8	62.4	6.1	13.2	14.7	82.5	90	645	040
EL3609T	36Y528	3	1755	3640LC	1.15	1.9	11.8	85	9	21	25	85.5	96	145	035
EL3612T	36Y530	5	1735	3646LC	1.00	3.08	19.1	127	15	34.8	41.1	86.5	97	216(2)	060
FDL3501M	34W721	0.33	1725	3414L	1.35	2.6	3	13	1	2.95	3.6	60.0	60	189	
FDL3504M	34W722	0.5	1725	3421L	1.25	2.8	3.7	16.5	1.5	4.13	4.65	68.0	66	270	
FDL3507M	34W937	0.75	1725	3432LC	1.25	3.2	4.4	35	2.25	7	10.2	74.0	75	540	025
FDL3510M	35S245	1	1725	3524L	1.15	4.6	6.5	37	3	6.6	9.3	67.0	73	645	
FDL3510TM	35S245	1	1725	3524L	1.15	4.6	6.5	37	3	6.6	9.3	67.0	73	645	
FDL3514M	35S246	1.5	1725	3532LC	1.00	6	9	57	4.5	14.5	15	75.5	73	645	015
FDL3514TM	35S246	1.5	1725	3532LC	1.00	6	9	57	4.5	14.5	15	75.5	73	645	015
FDL3516TM	35S247	2	1725	3535LC	1.15	1.4	8.3	63	6	14.5	17.5	78.0	99	216	030
FDL3610M	36Y739	3	1750	3640LC	1.00	10.7	15.5	144	9	32	37	80.0	76	216	035
FDL3610TM	36Y739	3	1750	3640LC	1.00	10.7	15.5	144	9	32	37	80.0	76	216	035
FDL3611M	36X416	2	1725	3634L	1.00	8.55	14	75	6	16	24	75.0	67	850(2)	
FDL3611TM	36-3444	2	1725	3634L	1.00	8.5	14	105	6	23	27	75.0	67	850(2)	
FDL3612TM	36W279	5	1725	3646LC	1.00	10	23	163	15	43	46	80.0	88	216(2)	030
FDL3619TM	36W835	3	1725	3634LC	1.00	6.2	13.2	100	9	22	26	81.5	90	216(2)	030
FDL3712TM	37T040	10	1725	3750LC	1.00	7	40	235	30	90	81	84.0	94	216(3)	050
FDL3731M	37W926	5	1725	3735LC	1.00	11.8	22.8	200	15	45	58	82.5	86	233(3)	040
FDL3732M	37X247	7.5	1725	3744LC	1.00	8.8	31	241	22.5	66	84	83.0	95	216(3)	035
FDL3733TM	37X247	7.5	1725	3744LC	1.00	8.8	31	241	22.5	66	84	83.0	95	216(3)	035
FDL3737TM	37Y971	10	1725	3750LC	1.00	7	40	270	30	90	115	84.0	94	216(4)	050
GAL34106M	34W524	0.25	-	3411L	1.35	8.88	2.5	9.95	0.75	2.13	2.48	55.0	57		

AC Performance Data

Catalog No.	Winding No.	Hp	RPM	Type	SF	NLA	FLA	LRA	FLT	Break Down LB.FT.	Locked Rotor LB.FT.	Eff.	PF	Capacitor	
														Elec	Oil
GAL34124M	34W524	0.25	-	3411L	1.35	8.88	2.5	9.95	0.75	2.13	2.48	55.0	57		
GAL34206M	34-5598	0.33	-	3414L	1.35	2.6	3	13	1	2.95	3.6	60.0	60		
GAL34224M	34-5598	0.33	-	3414L	1.35	2.6	3	13	1	2.95	3.6	60.0	60		
GAL34306M	34W204	0.25	-	3421L	1.25	2.8	3.7	16.5	1.5	4.13	4.65	68.0	66		
GAL34406M	34X030	0.75	-	3428LC	1.25	2.7	4.1	31	2.25	5.7	7.5	74.0	80		
GAL35506M	34Y842	1	-	524	1.15	4.6	6.5	37	3	6.6	9.3	67.0	73		
GAL35606M	35Y843	1.5	-	532	1.00	6	9	57	4.5	14.5	15	75.0	73		
GDL1605T	36W417	5	1725	3646LC	1.00	8.5	22.5	174	15	45	45	80.0	76	216(2)	040
GDL1607T	37-1630	7.5	1725	3744LC	1.15	10	32	250	30	65	75	82.5	90	216(3)	060
GDL1610T	37W563	10	1725	3750LC	1.00	8.7	40	270	30	88	95	84.0	95	216(3)	040(3)
GDL1615T	39W747	16	1760	3956LC	1.00	16.5	65	350	53	136	64	86.5	92	216(3)	050(3)
GDM2513T	37Y723	15	1760	3752M	1.15	11.5	20.3	150.5	44.5	161	92.3	91.0	75		
GDM2515T	39X113	20	1760	3936M	1.15	10.9	25	150	60	175	95	91.0	82		
GDM2531T	39W918	25	1760	3942M	1.15	12.11	31	191.3	74.6	220	124	91.7	83		
GDM2535T	39W960	30	1760	3952M	1.15	15.16	36	244	89.4	280	175	92.4	84		
GDM3218T	36Y697	5	1750	3630M	1.15	2.7	6.6	47	15	50.4	36.4	87.5	81		
GDM3311T	37Y587	7.5	1760	3729M	1.15	6.2	10.8	74.2	22.3	88.2	47.4	88.5	73		
GDM3313T	37Y514	10	1760	3738M	1.15	7.7	14	90	30	104	64.5	89.5	74		
GSL3509M	35X388	1.5	1725	3528LC	1.00	4	7.5	56	4.5	11.5	15	79.0	84	216	012
IM3540A	35X389	1	1425	3524M	1.00	1.3	1.8	14.6	3	15	15.3	79.0	65		
IM3540A-P	35X389	1	1425	3524M	1.00	1.3	1.8	14.6	3	15	15.3	79.0	65		
IR3507M	35Y979	0.75	1725	3524L	1.00	4.4	5.2	43	2.25	6	11.8	65.0	68	161(2)	
IR3510M	35Y986	1	1725	3528L	1.15	5.4	6.2	40.4	3	8.1	8.7	65.0	70	072(2)	
IR3603M	36Z045	1.5	1725	3628L	1.15	6.3	10	55	4.5	13	12	69.0	67	072(2)	
IR3605M	36X350	2	1725	3634L	1.15	5.7	11.5	62	6	14	17.5	71.0	75	108(2)	
JL145A	*	0.25	1725		1.35		2.5								
JL225A	17W240	0.33	3450	1713L	1.75	2.3	2.8	11.3	0.5	1.4	0.8	59.5	68	088	
JL245A	*	0.33	1725		1.35		2.7								
JL325A	*	0.5	3450		1.60		3.3								
JL345A	*	0.5	1725		1.25		3.8								
JL425A	*	0.75	3450		1.50		4.6								
JL445A	*	0.75	1725		1.25		4.2								
JL525A	17W127	1	3450	1728L	1.40	6.3	7.6	50.5	1.5	5.5	5	66.0	68	645	
JL1205A	34-2534	0.33	3450	3416L	1.75	2.55	3.1	14.5	1.5	1.7	1.6	58.0	61	130	
JL1301A	34-5599	0.33	1725	3414L	1.35	2.6	3	13	1	2.95	3.6	60.0	60	130	
JL1303A	34-2413	0.5	3450	3420L	1.60	2.75	3.7	20	0.75	2.3	2	66.0	67	189	
JL1304A	34-5595	0.5	1725	3418L	1.25	3.4	4.2	18	1.5	4.35	5.03	62.0	62	189	
JL1306A	34-2414	0.75	3450	3424L	1.50	4.2	5.5	30	1.1	3.6	3	69.0	68	270	
JL1307A	34W169	0.75	1725	3428L	1.25	3.9	5.1	31	2.25	5.5	9.5	68.0	68	460	
JL1309A	34-3375	1	3450	3428L	1.40	5.6	7	46	1.5	5.3	4.4	65.0	65	645	
JL1313A	34X598	1.5	3450	3432LC	1.30	1.65	6.5	43.5	2.3	6.2	6.7	78.5	95	540	050
JL1317A	35W183	2	3450	3528L	1.20	9.3	13	79	3	10.4	7.1	70.0	69	645	
JL1318A	35-527	1	1725	3528L	1.00	3.8	6.2	39	3	7	7.9	67.0	68	645	
JL1319A	35X066	1.5	1725	3528L	1.00	5.8	9	51	4.5	10.5	13.5	00.0	00.0	850	
JL1322A	35S506	2	1725	3532LC	1.15	2.65	9.2	58	6	12.5	13.3	78.5	89	645	060
JL1323A	35Y105	3	3450	3535LC	1.15	5	13	108	4.5	15.5	13	82.5	93	216	020
JL3405A	34X609	0.33	3450	3416L	1.75	2.4	3	16	0.51	1.9	1.4	00.0	00.0	130	
JL3501A	34-5597	0.33	1725	3414L	1.35	2.6	3	13	1	2.95	3.6	60.0	60	189	
JL3503A	34-3626	0.5	3450	3420L	1.60	2.75	3.7	19.5	0.75	2.5	2	62.0	69	189	
JL3504A	34-5593	0.5	1725	3421L	1.25	2.8	3.7	16.5	1.5	4.13	4.65	68.0	66	270	
JL3506A	34-3155	0.75	3450	3424L	1.50	-	5.4	-	-	-	-	66.0	66	270	
JL3507A	34W998	0.75	1725	3428LC	1.25	2.7	4.1	31	2.25	5.7	7.5	74.0	80	460	020
JL3509A	35-498	1	3450	3524L	1.25	2.95	6	38.5	1.5	4.1	5	66.0	81	645	
JL3510A	35-527	1	1725	3528L	1.00	3.8	6.2	39	3	7	7.9	67.0	68	645	
JL3513A	35-525	1.5	3450	3528L	1.00	4.5	7.5	42	2.3	5.6	5.5	70.0	82	645	
JL3514A	35W159	1.5	1725	3532LC	1.00	5.2	8	57	4.5	14.5	15	75.5	80	645	015
JL3515A	35-5184	2	3450	3535L	1.00	6.5	11.5	78	3	9.5	7.5	74.0	82	645	
JL3516A	35T490	2	1725	3535LC	1.00	3.1	8.6	117	6.1	12	12	78.0	99	540	050
JSL225A	17W240	0.33	3450	1713L	1.60	2.3	2.8	11.3	0.5	1.4	0.8	59.5	68		
JSL325A	17W218	0.5	3450	1716L	1.60	2.3	3.3	23	0.77	2.4	2.5	72.0	76		
JSL425A	17W219	0.75	3450	1720L	1.50	3.1	4.6	26.6	1.14	3.3	1.6	72.0	77		
JSL525A	17W127	1	3450	1728L	1.40	6.3	7.6	50.5	1.5	5.5	5.0	66.0	68		

Note: * Item currently under development.
Contact your local District Office for details.



Note: For low voltage amp value, double high voltage value

AC Performance Data

Catalog No.	Winding No.	Hp	RPM	Type	SF	NLA	FLA	LRA	FLT	Break Down LB.FT.	Locked Rotor LB.FT.	Eff.	PF	Capacitor	
														Elec	Oil
M3613T	36X874	5	3450	3630M	1.15	1.8	6	56	7.6	32	27	87.5	92		
M3614T	36Y578	2	1160	3636M	1.15	1.7	3.1	17.5	9	24.4	14.3	86.5	69		
M3615T	36Y696	5	1750	3634M	1.15	3.6	6.7	48	15.1	49	31	87.5	79		
M3616T	36X875	7.5	3450	3640M	1.15	2.8	8.7	94	11.3	64	51	88.5	93		
M3704T	37T168	3	1160	3729M	1.15	3.27	5.1	29.7	13.5	44.7	26.7	87.5	63		
M3708T	37Y833	5	1160	3735M	1.15	5.3	8.1	56.9	22.6	84.7	60.9	87.5	65		
M3710T	37Y659	7.5	1760	3735M	1.15	5.7	10.2	72.6	22.2	81.5	40.7	89.5	76		
M3711T	37T223	10	3500	3732M	1.15	3.1	11.5	84	15	64	33	89.5	91		
M3714T	37Y660	10	1760	3740M	1.15	5.7	14.2	72.6	29.9	118	61	89.5	73		
M4100T	10X262	15	1175	1036M	1.15	9.02	19.7	129.8	66.8	197	187	90.2	79		
M4102T	10X261	20	1175	1042M	1.15	11.53	26	165.8	89.2	254	253	90.2	80		
M4106T	07W715	20	3450	0756M	1.15	6.9	23	227	30	160	117	90.2	89		
MPM3458	34-4822	0.33	1725	3413M	1.00	0.7	0.8	4.4	1	4.7	3.75	-	-		
PCL1313M	35Y686	1.5	3450	3520LC	1.15	1.5	6.6	34.7	2.25	4.63	4.25	75.5	98	340	060
PCL1317M	35Y685	2	3450	3524LC	1.15	1.35	8.8	48	3	6	7	77.0	95	400	060
PCL1319M	35Y725	1.5	1725	3528LC	1.15	2.7	7	48	4.5	11.6	8.4	74.0	94	460	060
PCL1322M	35Y690	2	1725	3532LC	1.15	3	9.2	60	6	13	15.5	78.5	89	645	060
PCL1326M	35Y771	3	3450	3532LC	1.15	2.6	12.5	77	4.6	11.5	10.5	85.5	95	216	035
PCL1327M	35S322	5	3450	3535LC	1.00	8.9	23	122	7.7	18.8	14.7	74.2	95	161(2)	050
PCL3513M	35Y862	1.5	3450	3520LC	1.15	1.5	6.6	34.7	2.25	4.63	4.25	75.5	98	340	060
PCL3514M	35Y860	1.5	1725	3535LC	1.15	1.3	6	50	4.5	12.5	10	82.5	98	540	035
PCL3515M	35Y691	2	3450	3524LC	1.15	1.35	8.8	48	3	6	7	77.0	95	400	060
PCL3519M	35Y870	3	3450	3532LC	1.15	2.6	12.5	77	4.6	11.5	10.5	85.5	95	216	035
PL1313M	35Y686	1.5	3450	3520LC	1.15	1.5	6.6	34.7	2.25	4.63	4.25	75.5	98	340	60
PL1317M	35Y685	2	3450	3524LC	1.15	1.35	8.8	48	3	6	7	77.0	95	400	60
PL1319M	35Y725	1.5	1725	3528LC	1.15	2.7	7	48	4.5	11.6	8.4	74.0	94	460	60
PL1322M	35Y690	2	1725	3532LC	1.15	3	9.2	60	6	13	15.5	78.5	89	645	60
PL1326M	35Y771	3	3450	332LC	1.15	2.6	12.5	77	4.6	11.5	10.5	85.5	95	216	35
PL1327M	35S322	5	3450	3535LC	1.00	8.9	23	122	7.7	18.8	14.7	74.2	95	161	50
PL3513M	35Y862	1.5	3450	3520LC	1.15	1.5	6.6	34.7	2.25	4.63	4.25	75.5	98	340	60
PL3514M	35Y860	1.5	1725	3535LC	1.15	1.3	6	50	4.5	12.5	10	82.5	98	540	35
PL3515M	35Y691	2	3450	3524LC	1.15	1.35	8.8	48	3	6	7	77.0	95	400	60
PL3519M	35Y870	3	3450	3532LC	1.15	2.6	12.5	77	4.6	11.5	10.5	85.5	95	216	35
PSC3413A	34W427	0.25	1625	3411C	1.00	0.5	1.3	3.5	0.8	1.2	0.4	65.5	93		015
PSC3416A	34W426	0.33	1625	3414C	1.00	0.9	1.8	5.5	1	2	0.7	62.0	95		020
PSC3524A	34W538	0.5	1625	3418C	1.00	1.4	3	1.5	1.6	2.4	0.8	65.0	81		012
R1403	29W003	3	1725	7535R	1.00	11.5	18	54	9	25	45	80.0	76		
R1416	30-131	7.5	1725	9148R	1.00	22.5	38	158	22.5	73	105	88.3	73		
R1423	28-1903	2	1725	6246R	1.00	11.8	13	45.6	5.9	23.8	33.4	80.0	56		
R1424	30-446	10	1725	9160R	1.00	24	49	212	30.4	94	130	87.2	80		
R1425	29W018	5	1725	7544R	1.00	14	27	85	15	39	75	81.0	79		
R1428	30-582	7.5	1725	9140V	1.00	29.5	41	84.5	22.5	60	136	80.0	69		
UCC5700	36W873	5-7	3450	3634C	1.00	2.9	19.5-29	125	10.7	22	1.5	79.0	97		025
UCC7100	36W881	7.5-10	3450	3640C	1.00	7	28-39	187	15.3	30	2.6	85.5	95		035
UCC10150	37W977	10-15	3450	3740C	1.00	16.3	41-57	245	22.8	46	6.5	83.0	98		060(3)
UCCE130	37W935	13	3450	3744C	1.00	16.9	50	275	19.6	47	5.5	85.0	97		050
UCCE345	36W845	3-4.5	3450	3634C	1.00	4	13-17	125	6.8	19	2	82.0	99		020
UCCE570	36W844	5-7	3450	3640C	1.00	3.5	19-28	158	10.6	29	2	84.0	98		025
UCCE759	36W853	7.5-9.2	3450	3646C	1.00	8.5	29-35	220	13.9	39	3	85.5	95		035
UCCE7510	37W934	7.5-10.5	3450	3729C	1.00	11.6	30-40	175	15.9	34	4.8	84.0	98		060
UCL153	35Y458	1.5-3	3450	3532LC	1.00	4.4	13.6	71	4.5	10.5	8.3	77.0	94	216	030
UCL345	36-2510	3-4.5	3450	3634L	1.00	9	22	115	6.8	18	14	74.0	86	216	
UCL570	36-3027	5-7	3450	3646L	1.00	17.7	35	195	10.5	33	26	80.0	82	216(2)	
UCL710	36W041	7.5-10	3450	3646LC	1.00	8.4	31-42	210	15	36	22	85.0	93	216(2)	040
UCL1015	37W198	10-15	3450	3744LC	1.00	18	44-55	395	14.9	53	29	84.0	89	270(2)	040
UCL3145	35T819	3-4.5	3450	3540LC	1.00	7.1	14.3-20	136	6.8	17	13	77.8	91	270	030
UCL7510	37Z089	7.5-10	3450	3729L	1.00	25.7	37-46	205	15.8	36	17	81.0	82	216(2)	
UCLE153	35T138	1.5-3	3450	3532LC	1.15	2.6	12.5	77	4.6	11.5	10.5	85.5	95	216	035
UCLE3145	35T164	3-4.5	3450	3540LC	1.00	2.7	12.5-18.5	108	6.6	14.6	11.7	82.5	97	216	040
UCLE7510	36X955	7.5-10.5	3450	3646LC	1.00	6.2	38	213	15.2	41.5	4.5	85.5	95	216	040
UCM153	35S057	1.5-3	3450	3524M	1.00	2.1	4.1	35	4.6	19	17	80.0	83		
UCM345	35T163	3-4.5	3450	3532M	1.00	2.5	5.8	40	6.8	23	15	84.0	87		



Note: For low voltage amp value, double high voltage value

AC Performance Data

Catalog No.	Winding No.	Hp	RPM	Type	SF	NLA	FLA	LRA	FLT	Break Down LB.FT.	Locked Rotor LB.FT.	Eff.	PF	Capacitor	
														Elec	Oil
UCM575	36-2512	5-7.5	3450	3628M	1.00	4	9.5	51.4	10.6	40	37	84.0	87		
UCM713	36-738	7.5-10	3450	3646M	1.00	3	12	100	15	58	56	84.0	92		
UCM1014	37-Z092	10-14	3450	3726M	1.00	5.1	18	110	15	69.5	48.5	85.5	89		
UCM3145	35S055	3-4.5	3450	3528M	1.00	3	6	50	7	27	22	00.0	00.0		
UCME153	35S057	1.5-3	3450	3524M	1.00	2.1	4.1	35	4.6	19	17	80.0	83		
UCME345	36X100	3-4.5	3450	3628M	1.00	1.4	6	47	7.5	29	22	85.5	93		
UCME570	36Y591	5-7	3450	3628M	1.00	3.3	9	80	11.3	48	38	00.0	00.0		
UCME759	36W514	7.5-9.2	3450	3640M	1.00	2.7	8.5	100	15	68	56	89.5	90		
UCME1014	37Y842	10-15	3450	3733M	1.00	4.7	16.5	120	21.3	68	42	00.0	00.0		
UCME3145	35S055	3-4.5	3450	3528M	1.00	3	6	50	7	27	22	00.0	00.0		
UCME7510	36W514	7.5-9.2	3450	3640M	1.00	2.7	11.5	100	15	68	56	86.5	94		
VFDL3501M	34W721	0.33	1725	3414L	1.35	2.6	3	13	1	2.95	3.6	60.0	60	189	
VFDL3504M	34W722	0.5	1725	3421L	1.25	2.8	3.7	16.5	1.5	4.13	4.65	68.0	66	270	
VFDL3507M	34W937	0.75	1725	3432LC	1.25	3.2	4.4	35	2.25	7	10.2	74.0	75	540	025
VFDL3510M	35S245	1	1725	3524L	1.15	4.6	6.5	37	3	6.6	9.3	67.0	73	645	
VFDL3514M	35S246	1.5	1725	3532LC	1.00	6	9	57	4.5	14.5	15	75.5	73	645	015
VFDL3516TM	35S247	2	1725	3535LC	1.15	1.4	8.3	63	6	14.5	17.5	78.0	99	216	030
VFDL3610TM	36Y739	3	1750	3640LC	1.00	10.7	15.5	144	9	32	37	80.0	76	216	035
VFDL3612TM	36W279	5	1725	3646LC	1.00	10	23	163	15	43	46	80.0	88	216	030
VL145A	*	0.25	1725		1.35		2.5								
VL225A	17W240	0.33	3450	1713L	1.75	2.3	2.8	11.3	0.5	1.4	0.8	66.0	68		
VL245A	*	0.33	1725		1.35		2.7								
VL325A	17W218	0.5	3450	1716L	1.60	2.3	3.3	23	0.77	2.4	2.5	72.0	76		
VL345A	*	0.5	1725		1.25		3.8								
VL425A	*	0.75	3450		1.50		4.6								
VL445A	*	0.75	1725		1.25		4.2								
VL525A	*	1	3450		1.40		7.6								
VL1303A	34-2413	0.5	3450	3420L	1.60	2.75	3.7	20	0.75	2.3	2	66.0	67	189	
VL1306A	34-2414	0.75	3450	3424L	1.50	4.2	5.5	30	1.1	3.6	3	69.0	68	270	
VL1307A	35-519	0.75	1725	3520L	1.25	4.8	5.4	16	2.25	6.1	9.5	63.0	64	400	
VL1309A	34-3375	1	3450	3428L	1.40	5.6	7	46	1.5	5.3	4.4	65.0	65	645	
VL1313A	34X598	1.5	3450	3432LC	1.30	1.65	6.5	43.5	2.3	6.2	6.7	78.5	95	540	050
VL1317A	35W183	2	3450	3528L	1.20	9.3	13	79	3	10.4	7.1	70.0	69	645	
VL1318A	35-527	1	1725	3528L	1.00	3.8	6.2	39	3	7	7.9	67.0	68	645	
VL1323A	35Y105	3	3450	3535LC	1.15	5	13	108	4.5	15.5	13	82.5	93	216	020
VWDL3504	35-154	0.5	1725	3520L	1.25	3.5	4	24	1.5	5	6	64.0	63	400	
VWDL3507	35X935	0.75	1725	3520L	1.25	3.9	5.5	34.6	2.25	6.38	8.13	68.0	64	645	
VWDL3510	35X945	1	1725	3524L	1.15	4.1	6.4	35	3	6.6	7.8	67.0	73	645	
VWDL3514	35X944	1.5	1725	3532LC	1.15	5.2	8	57	4.5	14.5	15	75.5	80	645	015
WDM3558TP	35T585	2	1740	3528M	1.15	1.4	2.8	21	6	22.5	16.5	84.0	79		
WDM3561TP	35T098	3	1750	3546M	1.15	2.3	4.1	38.6	9	44.7	42.5	87.5	78		

Note: * Item currently under development. Contact your local District Office for details.

DC Performance Data

Catalog No.	Winding	Hp/Kw	R.P.M.	Type	Volts Arm	Volts FLD	Amps Arm	Amps FLD @ Arm	FLT lb-ft	Terminal Resistance @ 20°C	Armature Inductance mH	Inertia lb-ft ²	Allowable
													Peak Inrush Amps
CDP3320	33Z102	0.33/0.25	1750	3327P	90	PM	3.2	PM	1	3.032	20.8	0.07	33
CDP3310	33Z118	0.25/0.18	1750	3320P	90	PM	2.5	PM	0.75	3.529	24.4	0.06	27
CDP3330	33Z122	0.5/0.37	1750	3336P	90	PM	4.8	PM	1.5	1.765	14.6	0.094	43
CDP3316	33Z131	0.33/0.25	1750	3327P	180	PM	1.6	PM	1	5.178	42.3	0.044	17
CDP3306	33Z132	0.25/0.18	1750	3320P	180	PM	1.25	PM	0.75	9.105	59.3	0.033	13
CDP3326	33Z139	0.5/0.37	1750	3336P	180	PM	2.5	PM	1.5	3.776	30	0.053	23
CDP3440	34-3662	0.75/0.56	1750	3428P	90	PM	7.0	PM	2.25	1.67	7.3	0.09	43
CDP3445	34-3675	1/0.75	1750	3435P	90	PM	10	PM	3	0.739	5.9	0.102	52
CDP3455	34-3865	1/0.75	1750	3435P	180	PM	5.0	PM	3	2.511	24.2	0.102	26
CDP3436	34-3946	0.75/0.56	1750	3428P	180	PM	3.7	PM	2.25	3.37	28.5	0.09	22
CDP3575	35Z164	1.5/1.1	1750	3536P	180	PM	7.7	PM	4.5	1.707	15	0.234	40
CDP3585	35Z170	2/1.5	1750	3548P	180	PM	9.6	PM	6	1.153	11.7	0.28	49



Connection Diagrams

Diagram CD0001

Single Phase, Type L, Dual Voltage
Reversible, 6 Lead

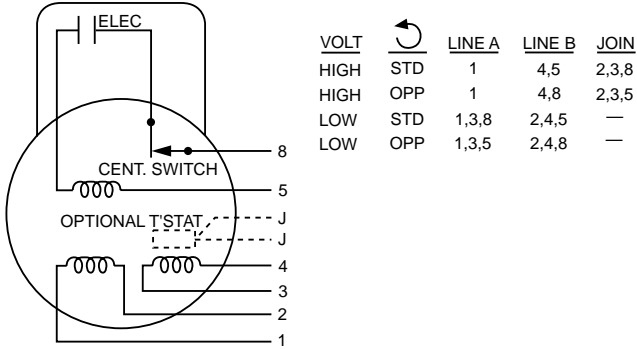


Diagram CD0002A02

Single Phase, Type L & LC, Reversible
Single Voltage, Thermal

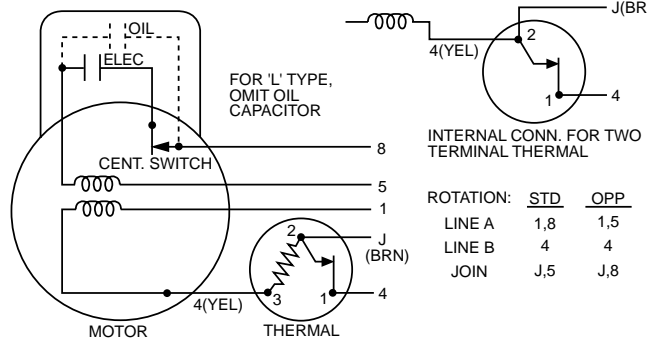


Diagram CD00003

Three Phase, Single Voltage, Thermal

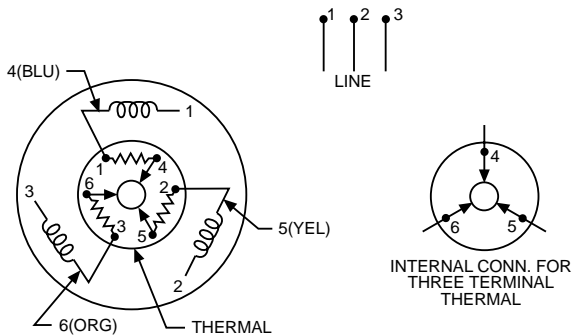
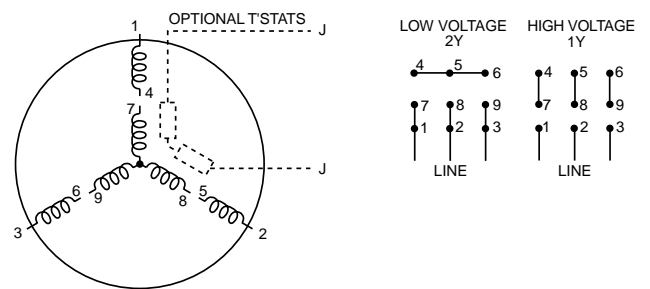


Diagram CD00005

Three Phase, 9 Lead, Dual Voltage



Connection Diagrams

Diagram CD0008

Single Phase With Thermal
Dual Voltage, Reversible

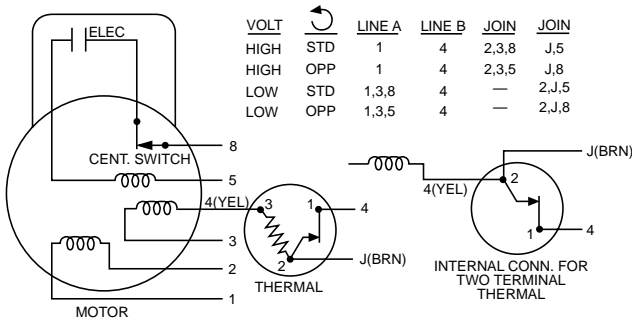


Diagram CD0014

Single Phase, Single Voltage
Split Capacitor Motor For Type "C" Motors

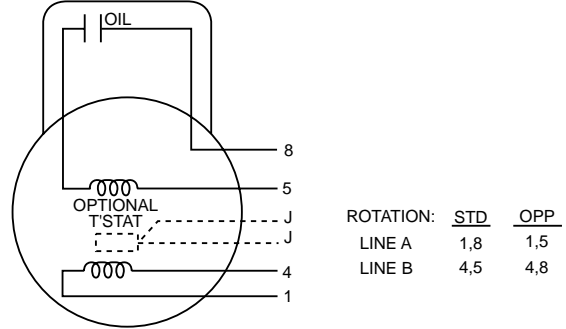


Diagram CD0016A01

Single Phase, Type LC, Dual Voltage, Reversible,
7 Lead Oil Capacitor Across Line

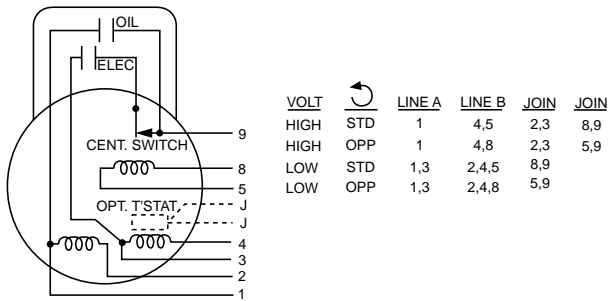
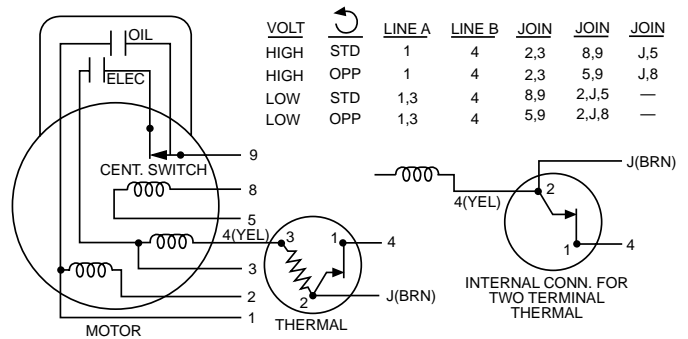


Diagram CD0016A02

Single Phase, Type LC, Reversible, Dual Voltage
8 Lead With Thermal, Oil Capacitor Across Line



Connection Diagrams

Diagram CD0017A01

Single Phase, Type L,
Reversible, 4 Lead

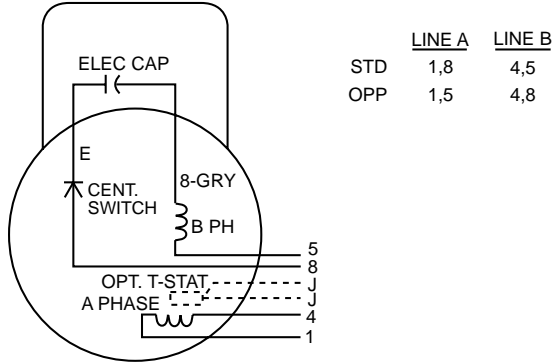


Diagram CD0017A02

Single Phase, Type LC
Reversible, 4 Lead

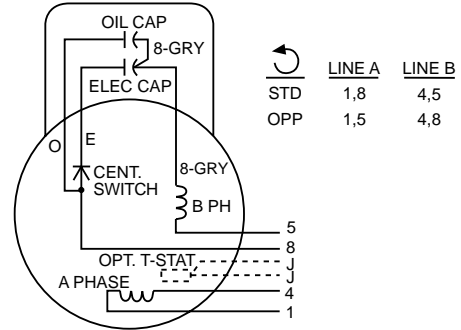


Diagram CD0028

Single Phase, Type C, Reversible, 7 Load
With Thermal, Dual Voltage

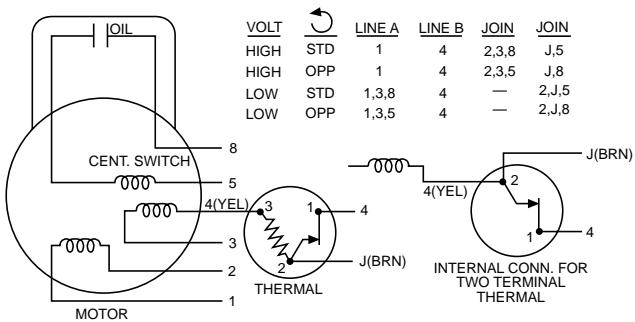
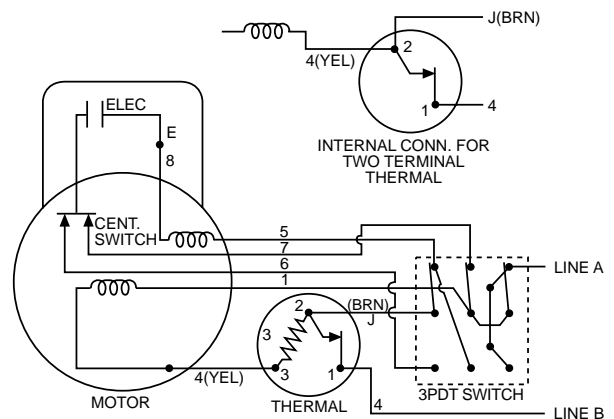


Diagram CD0045

Single Phase, Instant Reversing, 8 Lead
Single Voltage



Note: Standard rotation is CCW facing end opposite drive extension.

Connection Diagrams

Diagram CD0052

Single Phase, Type L,C &S, Dual Voltage, Reversible With Thermal, Model 34 Quick Connect Plate

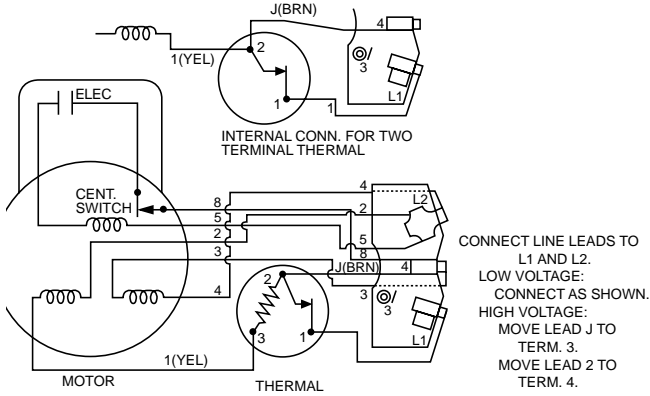


Diagram CD0055

Single Phase, Type LC, Dual Voltage Reversible, 6 Lead

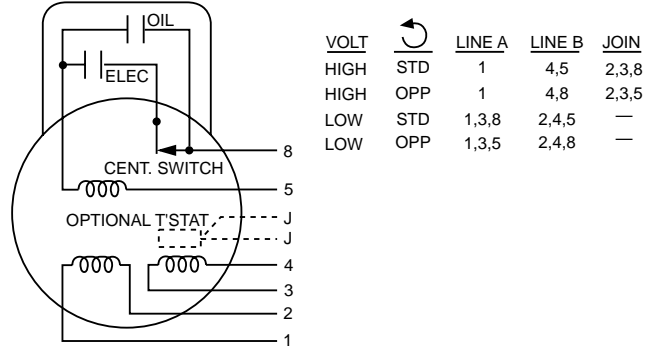


Diagram CD0086

Single Phase, Type L or LC, Single Voltage Reversible, 4 Lead

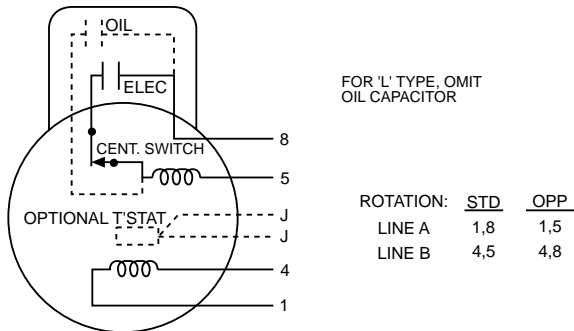
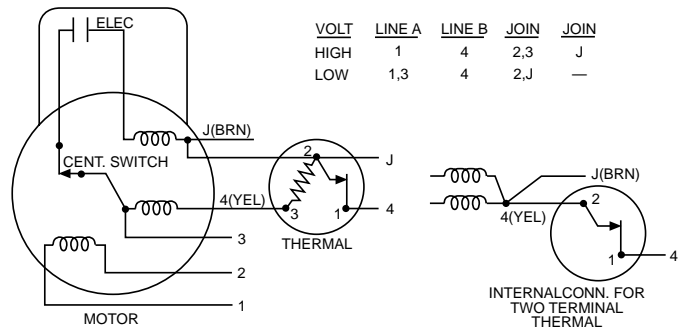


Diagram CD0094

Single Phase, Type L, Dual Voltage, Fixed Rotation 5 Lead With Thermal



Note: Standard rotation is CCW facing end opposite drive extension.

Connection Diagrams

Diagram CD0098A02

Single Phase, Type LC, Single Voltage
5 Lead with Thermal

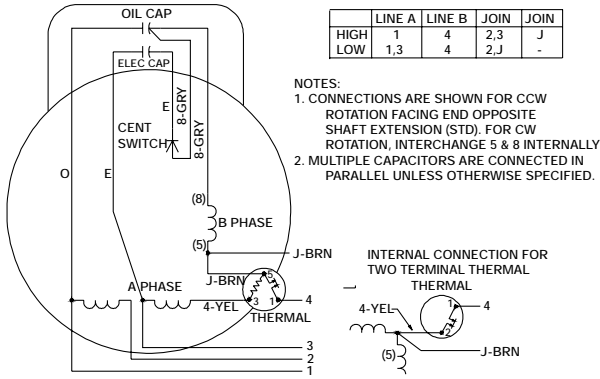


Diagram CD0127

Single Phase, Type C, Single Voltage, Reversible
Separate Capacitor

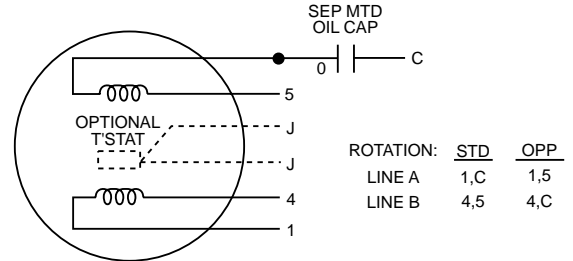


Diagram CD0152

Single Phase, Type L & LC, Reversible
With Thermal, Single Voltage

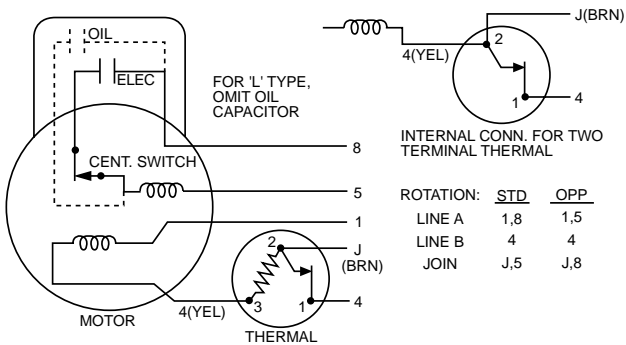
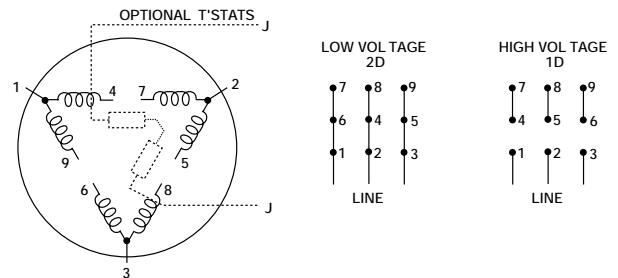


Diagram CD0180

Three Phase, 9 Lead, Dual Voltage
Delta Connection



Note: Standard rotation is CCW facing end opposite drive extension.

Connection Diagrams

Diagram CD0194

Type P, DC Permanent Magnet Motors and Tachometers

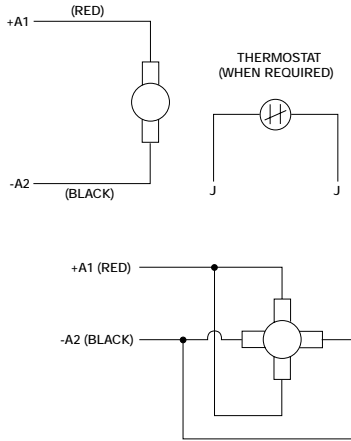


Diagram CD0203

Single Phase, Type L, Dual Voltage Fixed Rotation with Thermal

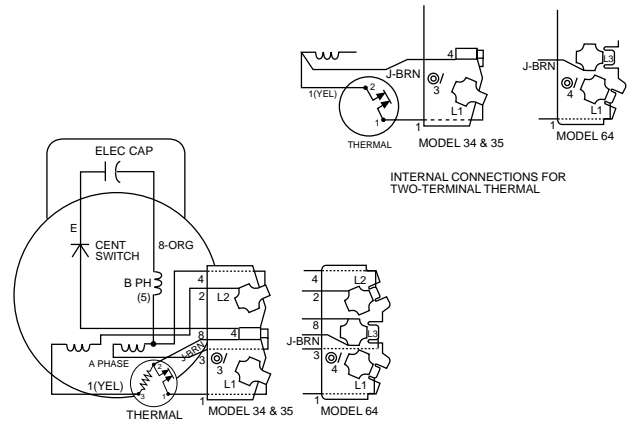


Diagram CD0208

Single Phase, Type L & LC, Single Voltage Reversible, Oil Capacitor Separate

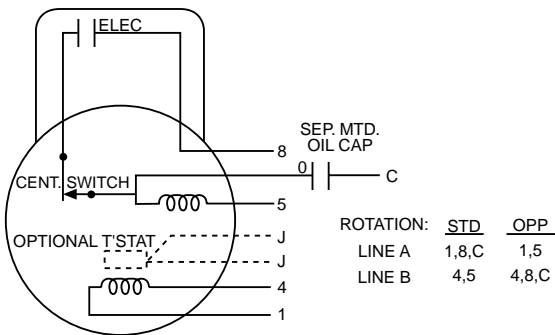
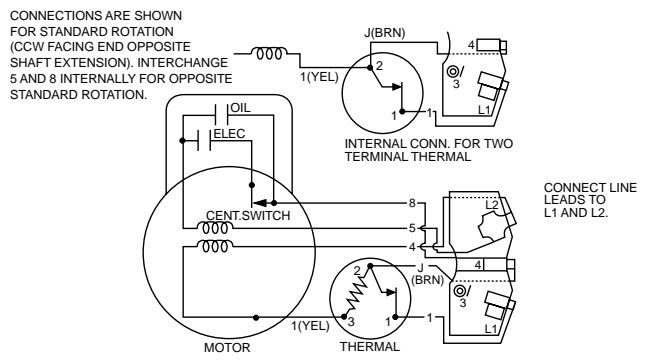


Diagram CD0225

Single Phase, Type LC, Single Voltage, Reversible Thermal, Thermal Plate



Note: Standard rotation is CCW facing end opposite drive extension.

Connection Diagrams

Diagram CD0269

Single Phase, Type L, Dual Voltage
Reversible, 7 Lead, Thermal

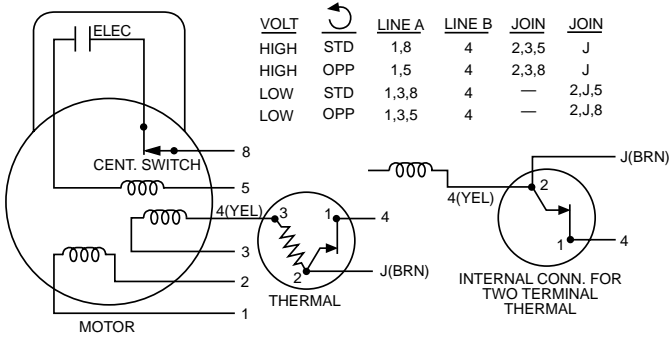


Diagram CD0277

Type r, Dual Voltage
Reversible, 4 Lead

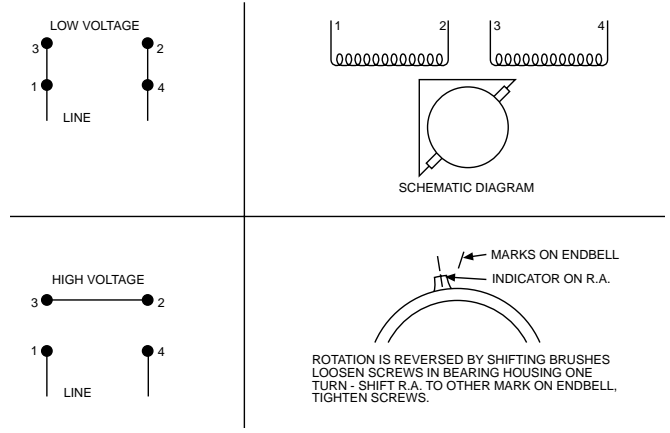


Diagram CD0278

Type R, Single Voltage
Reversible - With & Without Thermal

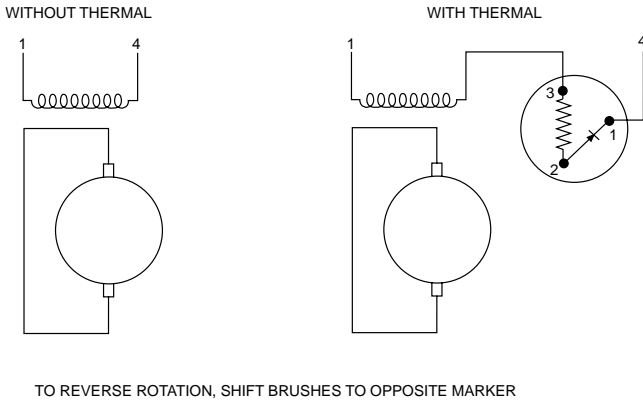
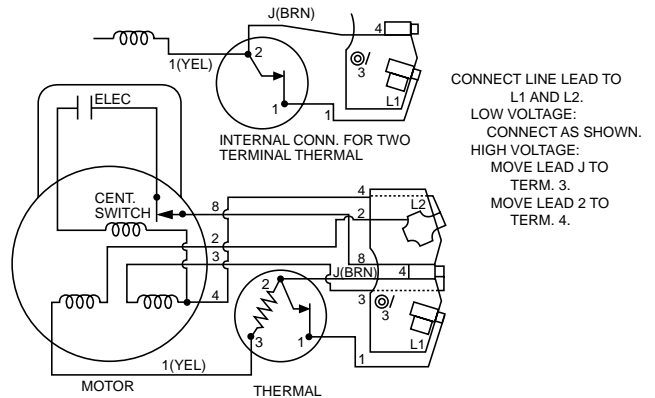


Diagram CD0307

Single Phase, Type L, C & S, Dual Voltage
Opposite Standard, Thermal



Note: Standard rotation is CCW facing end opposite drive extension.

Connection Diagrams

Diagram CD0308

Single Phase, Type LC, Dual Voltage
Thermal, 5 Leads

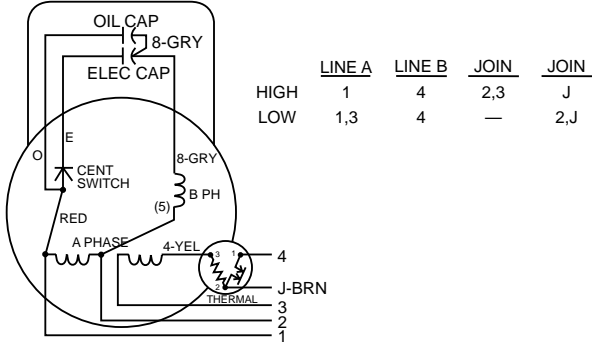


Diagram CD0320

Single Phase, Type LC, Dual Voltage
Reversible, Thermal

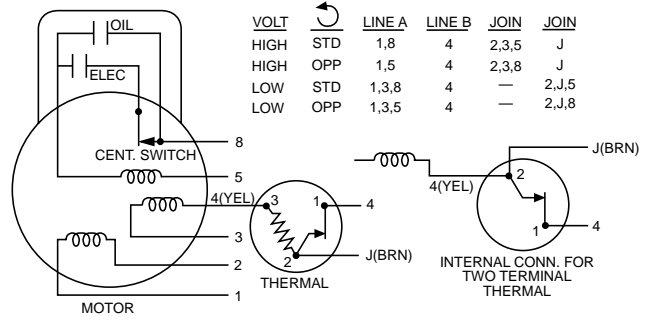


Diagram CD0346

Type V, Single Voltage
Electrically Reversible, 4 Lead

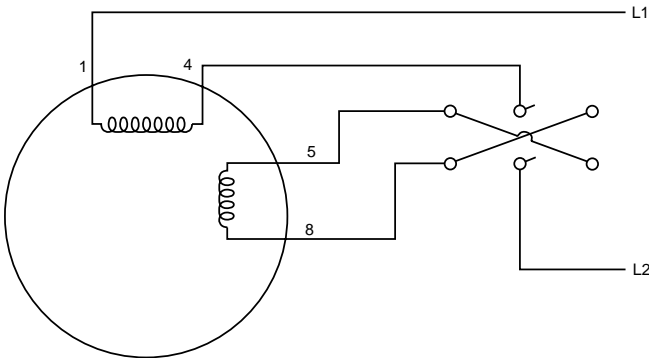
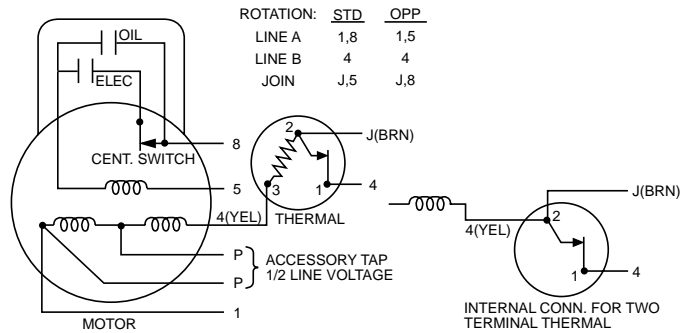


Diagram CD0370

Single Phase, Type L or LC, Single Voltage
Reversible, Thermal, 115V Tap



Note: Standard rotation is CCW facing end opposite drive extension.

Connection Diagrams

Diagram CD0381

Single Phase, Type C, Dual Voltage,
Reversible With Thermal Model 34 Quick Connect Plate

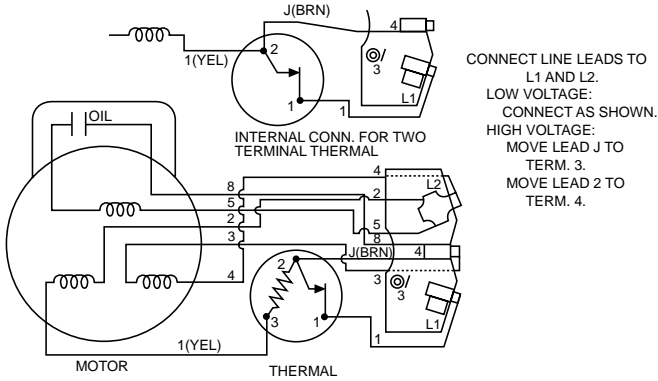


Diagram CD0449

Single Phase, Type L, Dual Voltage, 5 Lead
Thermal, B Phase Amps Through Heater HVC

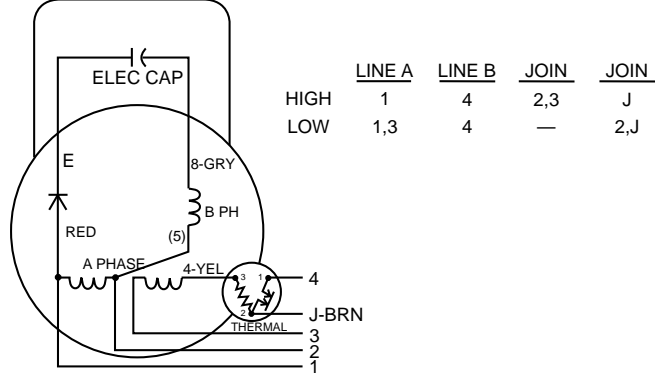


Diagram CD0637

Single Phase, Type L, Dual Voltage, Thermal,
Reversible Separate Mounted Electronic Switch

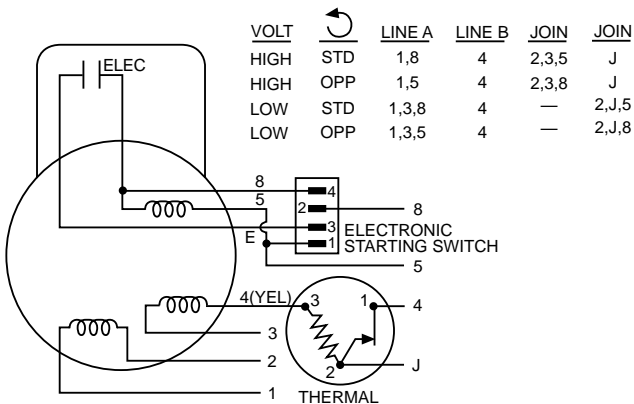
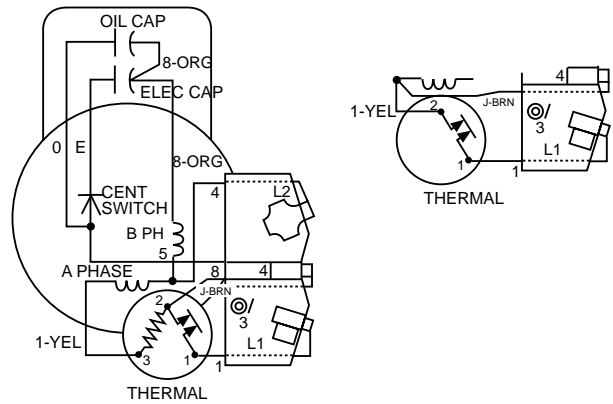


Diagram CD0661

Single Phase, Type LC, Single Voltage
Thermal, Terminal Plate

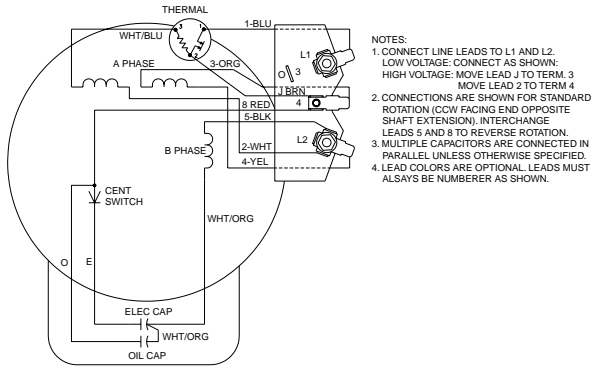


Note: Standard rotation is CCW facing end opposite drive extension.

Connection Diagrams

Diagram CD0703

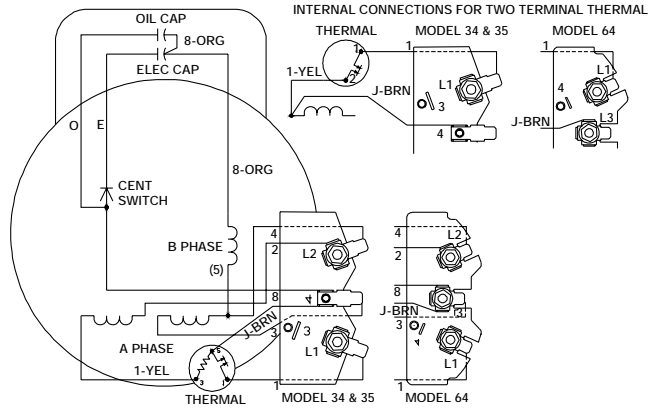
Type LC, Dual Voltage, Reversible
Thermal, Terminal Plate



- NOTES:
1. CONNECT LINE LEADS TO L1 AND L2. LOW VOLTAGE: CONNECT AS SHOWN. HIGH VOLTAGE: MOVE LEAD J TO TERM. 3. MOVE LEAD 2 TO TERM. 4.
 2. CONNECTIONS ARE SHOWN FOR STANDARD ROTATION (CCW FACING END OPPOSITE SHAFT EXTENSION). INTERCHANGE LEADS 5 AND 6 TO REVERSE ROTATION.
 3. MULTIPLE CAPACITORS ARE CONNECTED IN PARALLEL UNLESS OTHERWISE SPECIFIED.
 4. LEAD COLORS ARE OPTIONAL LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

Diagram CD0769

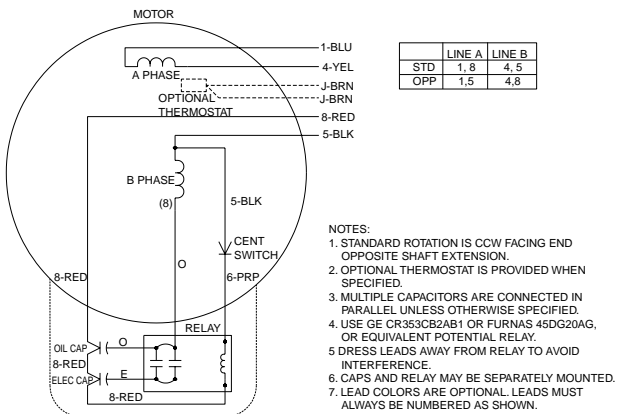
Single Phase, Type LC, Dual Voltage
Thermal, B Phase Amps Thru HTR-HVC
Terminal Plate



- NOTE:
1. CONNECT LINE LEADS TO L1 & L2 LOW VOLTAGE: CONNECT AS SHOWN. HIGH VOLTAGE (MOD 34&35): HIGH VOLTAGE (MOD 64): MOVE LEAD J TO TERM. 3. MOVE LEAD J TO TERM. 4. MOVE LEAD 2 TO TERM. 4. MOVE LEAD 2 TO TERM. 3.
 2. CONNECTIONS ARE SHOWN FOR STD ROTATION (CCS FACING END OPPOSITE SHAFT EXTENSION). INTERCHANGE LEAD 5 & 8 INTERNALLY FOR OPPOSITE STANDARD ROTATION.
 3. MULTIPLE CAPACITORS ARE CONNECTED IN PARALLEL UNLESS OTHERWISE SPECIFIED.

Diagram CD01084

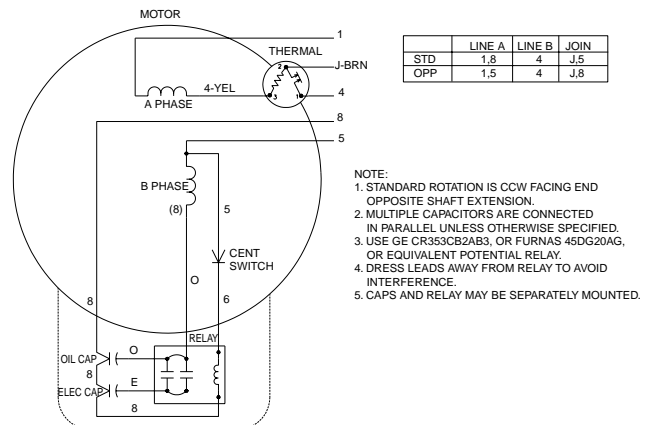
Type LC, Single Voltage, Reversible
4 Lead, Relay with Cent Switch
On/Off Switch



- NOTES:
1. STANDARD ROTATION IS CCW FACING END OPPOSITE SHAFT EXTENSION.
 2. OPTIONAL THERMOSTAT IS PROVIDED WHEN SPECIFIED.
 3. MULTIPLE CAPACITORS ARE CONNECTED IN PARALLEL UNLESS OTHERWISE SPECIFIED.
 4. USE GE CR353CB2AB1 OR FURNAS 45DG20AG, OR EQUIVALENT POTENTIAL RELAY.
 5. DRESS LEADS AWAY FROM RELAY TO AVOID INTERFERENCE.
 6. CAPS AND RELAY MAY BE SEPARATELY MOUNTED.
 7. LEAD COLORS ARE OPTIONAL LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

Diagram CD01336

Type LC, Single Voltage, Reversible
Thermal, 4 Lead, Relay with Cent Switch
On/Off Switch



- NOTE:
1. STANDARD ROTATION IS CCW FACING END OPPOSITE SHAFT EXTENSION.
 2. MULTIPLE CAPACITORS ARE CONNECTED IN PARALLEL UNLESS OTHERWISE SPECIFIED.
 3. USE GE CR353CB2AB3, OR FURNAS 45DG20AG, OR EQUIVALENT POTENTIAL RELAY.
 4. DRESS LEADS AWAY FROM RELAY TO AVOID INTERFERENCE.
 5. CAPS AND RELAY MAY BE SEPARATELY MOUNTED.

Note: Standard rotation is CCW facing end opposite drive extension.

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ANFL3514M	18	CBLSM046KP	39	CHM445A	36	EL3510	24
B13H71	49	CBLSM061KP	39	CJL145A	34	EL3514	24
B13V81	49	CBLSM091KP	39	CJL225A	34	EL3514T	24
B13V91	49	CBLSM152KP	39	CJL245A	34	EL3605T	24
B13J92	49	CBLSM229KP	39	CJL325A	34	EL3609T	24
B15H71	49	CBLSM305KP	39	CJL345A	34	EL3612T	24
B15V81	49	CDP3306	50	CJL425A	34	FDL3501M	2
B15V91	49	CDP3310	50	CJL445A	34	FDL3504M	2
B15J92	49	CDP3316	50	CJL525A	34	FDL3507M	2
B18V71	49	CDP3320	50	CJL1205A	27	FDL3510M	2
B18V81	49	CDP3326	50	CJL1301A	27	FDL3510TM	2
B18V91	49	CDP3330	50	CJL1303A	27	FDL3514M	2
B18J92	49	CDP3335	50	CJL1304A	27	FDL3514TM	2
B21GH71	49	CDP3436	50	CJL1306A	27	FDL3516TM	2
B21H71	49	CDP3440	50	CJL1307A	27	FDL3610M	2
B21GV81	49	CDP3443	50	CJL1309A	27	FDL3610TM	2
B21V81	49	CDP3445	50	CJL1313A	27	FDL3611M	2
B21V91	49	CDP3450	50	CJL1317A	27	FDL3611TM	2
B21J92	49	CDP3455	50	CJL3501A	26	FDL3612TM	2
B24H71	49	CDP3460	50	CJL3504A	26	FDL3619TM	2
B24V81	49	CDP3575	50	CJL3507A	26	FDL3712TM	2
B24V91	49	CDP3580	50	CL1408TM	31	FDL3731M	2
B24J92	49	CDP3585	50	CL1410TM	31	FDL3732M	2
B26H71	49	CDP3590	50	CL3516TM	31	FDL3733TM	2
B26V81	49	CDP3603	50	CL3608TM	31	FDL3737TM	2
B26V91	49	CDP3604	50	CL3612TM	31	GAL34106M	19
B26J92	49	CDP3605	50	CL3619TM	31	GAL34124M	19
B30H71	49	CFDL3501M	2	CWDL3504	22	GAL34206M	19
B30V81	49	CFDL3504M	2	CWDL3507	22	GAL34224M	19
B30V91	49	CFDL3507M	2	CWDL3509	22	GAL34306M	19
B32H71	49	CFDL3510M	2	CWDL3510	22	GAL34406M	19
B32V81	49	CFDL3514M	2	CWDL3513	22	GAL35506M	19
B32V91	49	CFDL3516TM	2	CWDL3514	22	GAL35606M	19
B38H71	49	CHC144A	36	D70CA	44	GDL1605T	13
B38V81	49	CHC164A	36	D71CA	44	GDL1607T	13
B38V91	49	CHC244A	36	D72CA	44	GDL1610T	13
BC138	52	CHC264A	36	D80CA	44	GDL1615T	13
BC139	52	CHC344A	36	D81CA	44	GDM2513T	13
BC140	52	CHC345A	36	D82CA	44	GDM2515T	13
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GF1013AH	46	GF3026AG	48	ID15H403-W	43	ID15V407-ER	42
GF1015AG	46	GF3026BG	48	ID15H405-E	42	ID15V407-WR	43
GF1015BG	46	GF3032BG	48	ID15H405-W	43	ID15V410-ER	42
GF1018AG	46	GF3038CG	48	ID15H407-E	42	ID15V410-WR	43
GF1018AH	46	GF4013AG	48	ID15H407-W	43	ID15V415-ER	42
GF1018BG	46	GF4013AH	48	ID15H410-E	42	ID15V415-WR	43
GF1021AG	46	GF4015AG	48	ID15H410-W	43	ID15V420-ER	42
GF1021AH	46	GF4018AG	48	ID15H415-E	42	ID15V420-WR	43
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GF1032CG	46	GF4026BG	48	ID15J1F33-ER	39	IR3510M	20
GF1038DG	46	GF4032BG	48	ID15J1F50-ER	39	IR3603M	20
GF1513AG	46	GF4038CG	48	ID15J1F75-ER	39	IR3605M	20
GF1513AH	46	GF5013AG	48	ID15J21F50-ER	39	JL145A	34
GF1515AG	46	GF5013AH	48	ID15J41F50-ER	39	JL225A	34
GF1518AG	46	GF5015AG	48	ID15J101-ER	39	JL245A	34
GF1518AH	46	GF5018AG	48	ID15J201-ER	39	JL325A	34
GF1521AG	46	GF5021AG	48	ID15J202-ER	39	JL345A	34
GF1521AH	47	GF5021AH	48	ID15J203-ER	39	JL425A	34
GF1521BG	47	GF5024AG	48	ID15J401-ER	39	JL445A	34
GF1524AG	47	GF5026AG	48	ID15J402-ER	39	JL525A	34
GF1524BG	47	GF5026BG	48	ID15J403-ER	39	JL1205A	26
GF1526BG	47	GF5032AG	48	ID15J405-ER	39	JL1301A	26
GF1532BG	47	GF5032BG	48	ID15P1F33-ER	40	JL1303A	26
GF1532CG	47	GF5038BG	48	ID15P1F50-ER	40	JL1304A	26
GF1538CG	47	GF6015AG	48	ID15P1F75-ER	40	JL1306A	26
GF2013AG	47	GF6018AG	48	ID15P21F5-ER	40	JL1307A	26
GF2013AH	47	GF6018AH	48	ID15P41F5-ER	40	JL1309A	26
GF2015AG	47	GF6021AG	48	ID15P101-ER	40	JL1313A	26
GF2018AG	47	GF6024AG	48	ID15P201-ER	40	JL1317A	26
GF2018AH	47	GF6026AG	48	ID15P202-ER	40	JL1318A	26
GF2021AG	47	GF6026AH	48	ID15P203-ER	40	JL1319A	26
GF2021AH	47	GF6032AG	48	ID15P205-ER	40	JL1322A	26
GF2021BG	47	GF6032BG	48	ID15P401-ER	40	JL1323A	26
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JL3513A	26	M3542	5	PCL1322M	31	UCL570	11
JL3514A	26	M3543	5	PCL1326M	31	UCL710	11
JL3515A	26	M3545	5	PCL1327M	31	UCL1015	11
JL3516A	26	M3546	5	PCL3513M	31	UCL3145	11
JSL225A	35	M3550T	5	PCL3514M	31	UCL7510	11
JSL325A	35	M3554T	5	PCL3515M	31	UCLE153	11
JSL425A	35	M3555T	5	PCL3519M	31	UCLE570	11
JSL525A	35	M3556T	5	PGD2	54	UCLE1015	11
JSM225	35	M3558T	5	PGD4	54	UCLE3145	11
JSM345	35	M3559T	5	PL1313M	31	UCLE7510	11
JSM445	35	M3611T	5	PL1317M	31	UCM153	11
JSM525	35	M3613T	5	PL1317M	31	UCM345	11
L1408TM	31	M3614T	5	PL1322M	31	UCM575	11
L1410TM	31	M3615T	5	PL1326M	31	UCM713	11
L3516TM	31	M3616T	5	PL1327M	31	UCM1014	11
L3608TM	31	M3704T	5	PL3513M	31	UCM3145	11
L3609TM	31	M3708T	5	PL3514M	31	UCME153	11
L3612TM	31	M3710T	5	PL3515M	31	UCME345	11
M2276T	5	M3711T	5	PL3519M	31	UCME570	11
M2332T	5	M3714T	5	PSC3413A	16	UCME759	11
M2333T	5	M4100T	5	PSC3416A	16	UCME1014	11
M2334T	5	M4102T	5	PSC3524A	16	UCME3145	11
M2394T	5	M4106T	5	R30	54	UCME7510	11
M2506T	8	MA7-008-AC	45	R45	54	VFDL3501M	2
M2511T	8	MA7-016-AC	45	R60	54	VFDL3504M	2
M3006	8	MA7-030-AC	45	R60E	54	VFDL3507M	2
M3007	8	MA7-055-AC	45	R1403	10	VFDL3510M	2
M3008	8	MA7-080-AC	45	R1416	10	VFDL3514M	2
M3009	8	MA7-140-AC	45	R1423	10	VFDL3516TM	2
M3010	8	MB7-055-AP	45	R1424	10	VFDL3610TM	2
M3011	8	MB7-080-AP	45	R1425	10	VFDL3612TM	2
M3111	8	MB7-160-AB	45	R1428	10	VL145A	34
M3112	8	MB7-160-AP	45	RGJ160	39,40	VL225A	34
M3115	8	MB7-160-AP-1	45	RGJ260	39,40	VL245A	34
M3116T	8	MB7-250-AB	45	RGJ360	39,40	VL325A	34
M3120	8	MB7-250-AB-1	45	RGJ1120	39,40	VL345A	34
M3153T	8	MB7-250-AP	45	RGJ1150	39,40	VL425A	34
M3154T	8	MB7-250-AP-1	45	RGJ2120	39,40	VL445A	34
M3155T	8	MB7-250-GC	45	RGJ2150	39,40	VL525A	34
M3156T	8	MB7-250-GC-1	45	RGJ3120	39,40	VL1303A	27
M3157T	8	MB7-420-AB	45	RGJ3150	39,40	VL1306A	27
M3158T	8	MB7-600-AB	45	S20CA	44	VL1307A	27
M3211T	8	MB8-160-AB	45	S21CA	44	VL1309A	27
M3212T	8	MB8-250-AB	45	S22CA	44	VL1313A	27
M3215T	8	MB8-250-AB-1	45	S23CA	44	VL1317A	27
M3218T	8	MB8-420-AB	45	S25CA	44	VL1318A	27
M3219T	8	MB8-600-AB	45	TK3300	50	VL1323A	27
M3305T	8	MPM3458	29	TK3400	50	VWDL3504	22
M3309T	8	OHV30	54	TK3500	50	VWDL3507	22
M3311T	8	OHV50H	54	UCC5700	12	VWDL3510	22
M3312T	8	OHV60	54	UCC7100	12	VWDL3514	22
M3313T	8	OHV60E	54	UCC10150	12	WDM3558TP	21
M3457	5	OHV85E	54	UCCE130	12	WDM3561TP	21

Bearing Reference Chart

Baldor Model	Nema Frame	Mounting	Standard Bearing		Special Drive End Bearing	
			ODE	DE	Open Motor	Enclosed Motor
33	42	HORIZ	203	203		
	42C	FACE	200	200		
	42	RESIL	203	203		
34	48, 56, 143-5T	HORIZ	203	203, 206		
	48C-56C, 143TC	FACE	203	203	205	205
35, 305	56, 66, 143-5T, 182-4, 182-4T	HORIZ	203	205, 206	206	206
	56C, 66C, 143-5TC, 182-4TC	FACE	203	205	206, 207	206, 207
	56	RESIL	203	203	205	205
36, 306	182-4, 182-4T	HORIZ	205	206		208
	213-5T		205	307		208
	143-5TC, 182-4C, 182-4TC	FACE	205	206	207	207
	182-4LP		206	QJ307		
37, 307	213-5, 213-5T	HORIZ	206	307		208, 309
	182-4TC, 213-5C, 213-5TC	FACE	208	307	309	309
	213-5LP		307	QJ211		
37, 39	254-66T, 254-6U	HORIZ	208	309		
	254-6TC, 254-6UC	FACE	208	309	312	
307, 309, 310	254-6T, 254-6U	HORIZ	208, 307, 308, 311	309, 312	211	211, 312
	254-6TC, 254-6UC	FACE	208, 309	309, 311	211	211, 312
	254-6LP		309	QJ213		
39, 310	284-6T, 284-6U	HORIZ	208, 309	310, 311		
	284-6TC, 284-6UC	FACE	208, 309	311, 313		312
	284-6LP		208	QJ213		
40	284-286T, 284-6U	HORIZ	309	311		
	284-6TC, 284-6UC	FACE	309	311	312	
40, 312	324-6T, 324-6U	HORIZ	309, 311	311, 312	312	
	324-6TC, 324-6UC		309, 311	312	312	
	324LP (2POLE)	FACE	208	QJ213		
	324LP (4POLE)		311	QJ312		
	326VP (2POLE)		311	QJ311/7311		
	326VP (4POLE)		311	QJ312/7312		
42	324-6T, 324-6U	HORIZ	311	312		
	324-6TC, 324-6UC	FACE	311	312		
42, 314	364-5T, 364-5U	HORIZ	311, 312	313		
	364-5TC, 364-5UC		311, 312	313		
	364-5VP (2POLE)	FACE	312	QJ311/7311		
	364-5VP (4POLE)		312	QJ314/7314		
44, 316	404-5T, 404-5U	HORIZ	312, 313	315, 316	313	
	404-5TS (2POLE)		312, 313	313, 316	313	
	404-5TC	FACE	312, 315	313, 318		
318	444-5T, 444U	HORIZ	313, 314	319		NU319
	444-5TS, 447-9TS (2POLE)		313, 314	314		NU319
	447-9T, 445U		314	319		
	444-5TC	FACE	314	314		
	447-9TC		314	316, 319		NU319, 320, 321
320	5005-11S (2POLE)	HORIZ	217, 314	217, 314		
	5005-11L (4POLE)		222	322		NU322
	5005-11L (6POLE)		222	324		NU324

NOTE: DE = Drive End, ODE = Opposite Drive End. NU = Indicates roller bearings used in Charlotte produced products.

Bearing Number	Bearing Bore	Bearing Number	Bearing Bore	Bearing Number	Bearing Bore
03	0.3393	10	1.9685	18	3.5433
04	0.7874	11	2.1654	19	3.7402
05	0.9843	12	2.3622	20	3.9370
06	1.1811	13	2.5591	21	4.1339
07	1.3780	14	2.7559	22	4.3307
08	1.5748	15	2.9528	24	4.7244
09	1.7717	16	3.1496		



BALDOR[®] MOTORS AND DRIVES

PLANTS AND WAREHOUSES

