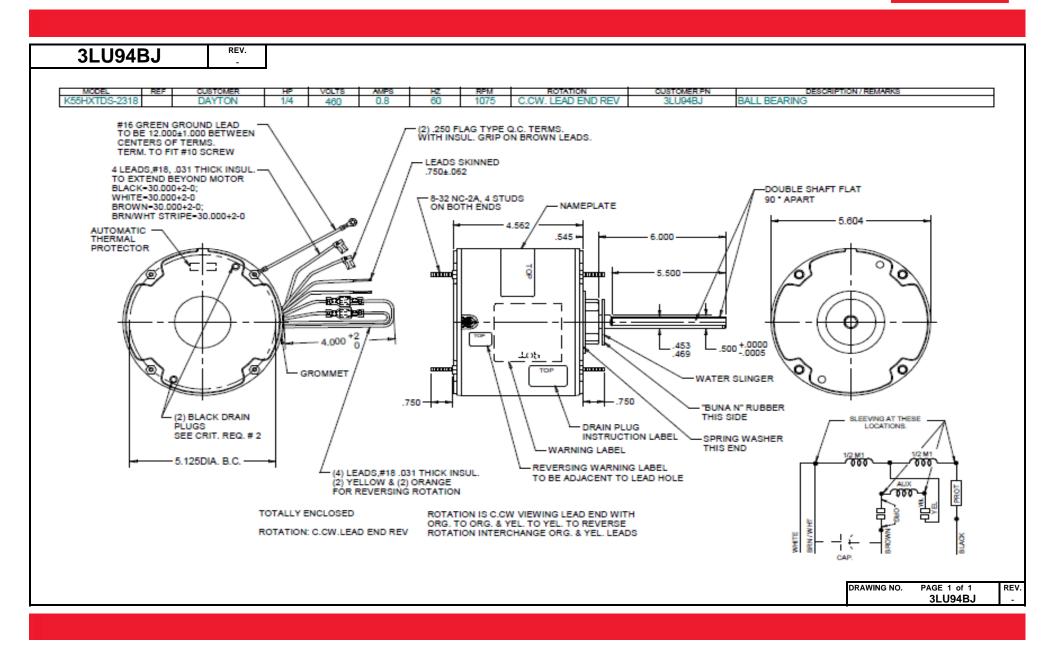
Dimensional Drawing





Dayton Electric Mfg. Co. Lake Forest, IL 60045 USA

Performance Data



HP: 1/4 Poles: 6 Ambient (°C): 40 Altitude (FASL): 1000 No. of Speeds: 1 Volts: 460 HZ: 60 Service Factor: 1.0 Efficiency: @ Rated Power Factor: @ Rated @ No Lu @ Rated @ Locka RPM: @ Rated @ Locka Breakda Oz.Ft. Locked Locked Pull-Up Rated L Service Watts: Rated L Service Rated @ Locka Watts: Rated @ Locka Watts: Rated Watts: Rated Watts: Rated Wat	d Load Dad	HIGH SP 115 60		PERFO	RMAN			
HP: 1/4 Poles: 6 Ambient (°C): 40 Altitude (FASL): 1000 No. of Speeds: 1 Volts: 460 HZ: 60 Service Factor: 1.0 Efficiency: @ Rated Power Factor: @ Rated @ No Lu @ Rated @ Locka RPM: @ Rated @ Locka Breakda Oz.Ft. Locked Locked Pull-Up Rated L Service Watts: Rated L Service Rated @ Locka Watts: Rated @ Locka Watts: Rated Watts: Rated Watts: Rated Wat	d Load d Load d Load	HIGH SP 115	EED					
Poles: 6 Ambient (°C): 40 Altitude (FASL): 1000 No. of Speeds: 1 Volts: 460 HZ: 60 Service Factor: 1.0 Efficiency: @ Ratee Power Factor: @ No Lo @ Ratee @ No Lo @ Ratee @ Locka Power Factor: @ Ratee @ Locka Pull-Up Rated L Service Vatts: Rated L Service Watts: Rated L Service Watts: Rated L Service Watts: Thermal Protector: Trip Ten Winding Material: Start (Ai Run (Ma Capacitor: HP: 1/4 Volts: 460 HZ: 60 Efficiency: @ Ratee Power Factor: @ Ratee Q Mps: 40 HP: 1/4 Volts: 460 HZ: 60	d Load Dad	115						
Ambient (°C):40Altitude (FASL):1000No. of Speeds:1Volts:460HZ:60Service Factor:1.0Efficiency:@ RateePower Factor:@ No Lo@ Roter@ No Lo@ Ratee@ LockeRPM:@ RateeOz.Ft.BreakdoOz.Ft.LockedPull-UpRated LServiceServiceWatts:Rated LServiceServiceWatts:Rated LServiceServiceWatts:Rated LServiceServiceWatts:Rated LServiceStart (AiRun (MaCapacitor:HP:1/4Volts:460HZ:60Efficiency:@ RateePower Factor:@ RateeQ LockeQ LockedTorques:BreakdoQ LockedTorques:BreakdoQ Locked	d Load Dad	115						
Altitude (FASL): 1000 No. of Speeds: 1 Volts: 460 HZ: 60 Service Factor: 1.0 Efficiency: @ Rated Power Factor: @ No Lo Amps: @ No Lo @ Rated @ Rated @ Rated @ Lockd RPM: @ Rated Torques: Breakdo Oz.Ft. Locked Pull-Up Rated L Service Service Watts: Rated L Service Watts: Thermal Protector: Trip Ten Winding Material: Start (Ai Run (Ma No. of R HP: 1/4 Volts: 460 HZ: 60 Efficiency: @ Rated Power Factor: @ Rated Quitts: 460 HZ: 60 Efficiency: @ Rated Quitts: 460 HZ: 60 Efficiency: @ Rated Quitts	d Load Dad	115						
No. of Speeds: 1 Volts: 460 HZ: 60 Service Factor: 1.0 Efficiency: @ Rated Power Factor: @ Rated Amps: @ No Lo @ Rated @ Locked RPM: @ Rated @ Locked Pull-Up Rated L Service Watts: Rated L Service Rated Watts: Rated No Locked Watts: Rated L Service No Locked No Loc	d Load Dad	115						
Volts: 460 HZ: 60 Service Factor: 1.0 Efficiency: @ Rated Power Factor: @ Rated Amps: @ No Lo @ Rated @ Lockd RPM: @ Rated @ Lockd RPM: @ Rated Coz.Ft. Uccked Pull-Up Rated L Service Watts: Rated L Service Watts: Rated L Temperature Rise: @ Rated Thermal Protector: Trip Ten Winding Material: Start (Ar Run (Ma Capacitor: Trip Ten Winding Material: Start (Ar Run (Ma Capacitor: Run (Mf No. of R HP: 1/4 Volts: 460 HZ: 60 Efficiency: @ Rated Power Factor: @ Rated Power Factor: @ Rated Q Lockd Torques: @ No Lo @ Rated @ Lockd	d Load Dad	115						
HZ: 60 Service Factor: 1.0 Efficiency: @ Rate Power Factor: @ Rate Amps: @ No Lo @ Rate @ Locke RPM: @ Rate Torques: Breakdo Oz.Ft. Docked Vull-Up Rated L Service Watts: Rated L Temperature Rise: @ Rate Thermal Protector: Trip Ten Winding Material: Start (An Run (Ma Capacitor: Run (ME No. of R HP: 1/2 Volts: 460 HZ: 60 Efficiency: @ Rate Power Factor: @ Rate @ No Lo @ Rate @ Locked # Amps: @ No Lo @ Rate @ Locked # Amps: @ No Lo	d Load Dad	115						
HZ: 60 Service Factor: 1.0 Efficiency: @ Rate Power Factor: @ Rate Amps: @ No Lo @ Rate @ Locke RPM: @ Rate Torques: Breakdo Oz.Ft. Docked Watts: Rated L Service Watts: Rated L Service Breakdo Uocked Watts: Rated Rated Watts: Rated Rat	d Load Dad		208					
HZ: 60 Service Factor: 1.0 Efficiency: @ Rate Power Factor: @ Rate Amps: @ No Lo @ Rate @ Locke RPM: @ Rate Torques: Breakdo Oz.Ft. Docked Watts: Rated L Service Watts: Rated L Service Breakdo Uocked Watts: Rated Rated Watts: Rated Rat	d Load Dad			230	277	460	100	200
Service Factor: 1.0 Efficiency: @ Rated Power Factor: @ Rated Amps: @ No Lo @ Rated @ Rated @ Rated @ Rated @ Reted @ Rated @ Reted @ Rated @ Reted @ Rated @ Robel @ Rated @ Robel @ Rated @ Docked Pull-Up Rated L Service Watts: Rated L Temperature Rise: @ Rated Thermal Protector: Trip Ten Winding Material: Start (Ar Run (Ma Capacitor: Run (Mf No. of R HP: 1/4 Volts: 460 HZ: 600 Efficiency: @ Rated @ No Lo @ Rated @ Locked @ Locked Torques: @ No Lo @ Locked @ Locked	d Load Dad		60	60	60	60	50	50
Efficiency: @ Rated Power Factor: @ Rated Amps: @ No Lo @ Rated @ Rated @ Rated @ Lockd @ RPM: @ Rated Torques: Breakdo Oz.Ft. Locked Pull-Up Rated L Service Service Watts: Rated L Temperature Rise: @ Rated Thermal Protector: Trip Ten Winding Material: Start (An Run (Ma Capacitor: Run (Ma Run (Ma Capacitor: Run (Ma HP: 1/4 Volts: 460 HZ: 60 Efficiency: @ Rated @ No Lo @ No Lo @ Rated @ Locka Power Factor: @ Rated @ Locka @ No Lo @ Rated @ Locka @ Locka @ Locka @ Locka @ Locka @ Locka @ Locka @ Dz.Ft. Lockad	d Load Dad							
Power Factor: @ Ratea Amps: @ No Lo @ Ratea @ Locka @ RT @ Ratea @ Locka @ Locka RPM: @ Ratea Torques: Breakdo Oz.Ft. Locked Pull-Up Rated L Service Service Watts: Rated L Temperature Rise: @ Ratea Thermal Protector: Trip Ten Winding Material: Start (Ai Run (Ma Capacitor: Run (Ma Capacitor: Run (Ma Volts: 460 HZ: 60 Efficiency: @ Ratea @ No Lo @ No Lo @ Ratea @ Locka Torques: @ No Lo @ Locka Breakdo Oz.Ft. Locked	bad					60.6		
Amps: @ No Lot @ Rates @ Locks @ RPM: @ Rates Torques: Breakdor Oz.Ft. Locked Pull-Up Rated L Service Service Watts: Rated L Temperature Rise: @ Rates Thermal Protector: Trip Ten Winding Material: Start (Ai Run (March Run (March Capacitor: Run (March HP: 1/4 Volts: 460 HZ: 60 Efficiency: @ Rates @ No Lo @ No Lo @ Rates @ Locked Torques: Breakdor Oz.Ft. Locked						96.6		
@ Rate @ Lock/ RPM: @ Rate Torques: Breakdo Oz.Ft. Locked Pull-Up Rated L Service Service Watts: Rated L Temperature Rise: @ Rated Thermal Protector: Trip Ten Winding Material: Start (Ai Run (Ma Run (Ma Capacitor: Run (Ma No. of R HP: HP: 1/4 Volts: 460 HZ: 60 Efficiency: @ Rated @ No Lo @ No Lo @ Rated @ Locked Torques: Breakdo Oz.Ft. Locked								
RPM: @ Rated Torques: Breakdo Oz.Ft. Locked Pull-Up Rated L Service Service Watts: Rated L Temperature Rise: @ Rated Thermal Protector: Trip Ten Winding Material: Start (Ar Run (Ma Run (Ma Capacitor: Run (Mf No. of R No. of R HP: 1/4 Volts: 460 HZ: 60 Efficiency: @ Rated @ No Lo @ Rated @ Lockd @ Lockd Torques: Breakdo Oz.Ft. Locked	1 Load					0.83		
Torques: Breakdor Oz.Ft. Locked Pull-Up Rated L Rated L Service Watts: Rated L Temperature Rise: @ Rated Thermal Protector: Trip Ten Winding Material: Start (Ar Capacitor: Run (Ma Capacitor: Run (Mf No. of R HP: HP: 1/4 Volts: 460 HZ: 60 Efficiency: @ Rated @ No Lo @ Rated @ Locked @ Locked Torques: Breakdo Oz.Ft. Locked	ed Rotor					1.6		
Oz.Ft. Locked Pull-Up Rated L Service Service Watts: Rated L Temperature Rise: @ Rated Thermal Protector: Trip Ten Winding Material: Start (Ar Run (Ma Run (Ma Capacitor: Run (Mf No. of R No. of R HP: 1/4 Volts: 460 HZ: 60 Efficiency: @ Rated @ No Lot @ Rated @ Locked @ Locked Torques: Breakdod Oz.Ft. Locked	1 Load					1075		
Pull-Up Rated L Service Watts: Rated L Temperature Rise: @ Rated Thermal Protector: Trip Ten Winding Material: Start (Ar Run (Ma Run (Ma Capacitor: Run (Ma Volts: 460 HZ: 60 Efficiency: @ Rated Power Factor: @ Rated @ No Lot @ Q Locked Torques: Dz.Ft. Locked	wn					27.1		
Rated L Service Watts: Rated L Temperature Rise: @ Rated Thermal Protector: Trip Ten Winding Material: Start (Ai Winding Material: Start (Ai Capacitor: Run (Ma Capacitor: Run (Ma Volts: 460 HP: 1/4 Volts: 460 Efficiency: @ Rated Power Factor: @ Rated @ No Lo @ No Lo @ Locked Breakdo Oz.Ft. Locked	Rotor					7.6		
Watts: Rated L Temperature Rise: @ Rated Thermal Protector: Trip Ten Winding Material: Start (Ai Winding Material: Start (Ai Run (Material: Start (Ai Capacitor: Run (Material: HP: 1/4 Volts: 460 HZ: 60 Efficiency: @ Rated Power Factor: @ Rated @ No Lo @ Q Locked Torques: Dz.Ft. Breakdod								
Watts: Rated L Temperature Rise: @ Rated Thermal Protector: Trip Ten Winding Material: Start (Ar Winding Material: Start (Ar Capacitor: Run (Ma Capacitor: Run (Mf No. of R HP: 1/4 Volts: 460 HZ: 60 Efficiency: @ Rated @ No Lot @ Rated @ Locked Breakdo Oz.Ft. Breakdo						23.4		
Temperature Rise: @ Rated Thermal Protector: Trip Ten Winding Material: Start (A) Winding Material: Start (A) Run (Ma Run (Ma Capacitor: Run (Mf No. of R No. of R HP: 1/4 Volts: 460 HZ: 60 Efficiency: @ Rated Power Factor: @ Rated Q No Lo @ Rated Q Locked Breakdo Oz.Ft. Locked						1.0		
Thermal Protector: Trip Ten Winding Material: Start (Ar Run (Ma Run (Mf Capacitor: Run (Mf No. of R Run (Mf HP: 1/4 Volts: 460 HZ: 60 Efficiency: @ Rater Q No Lo @ Rater Q No Lo @ Rater Q Efficiency: @ Rater Q No Lo @ Rater Q Efficiency: @ Rater Q No Lo @ Rater Q Encode Breakdo Doz.Ft. Breakdo						369		
Winding Material: Capacitor: HP: Volts: HZ: Fficiency: Amps: Capacitor:								
Run (Ma Capacitor: Run (Mf No. of R HP: 1/4 Volts: 460 HZ: 60 Efficiency: @ Rated Power Factor: @ Rated @ No Lock @ Lock Torques: Breakdod Oz.Ft. Locked						140~150		
Capacitor: Run (MF No. of R HP: 1/4 Volts: 460 HZ: 60 Efficiency: @ Rated Power Factor: @ Rated Q Rated @ Lockd Torques: Breakdo Oz.Ft. Locked						Copper		
HP: 1/4 Volts: 460 HZ: 60 Efficiency: @ Rate Power Factor: @ Rate Amps: @ No Lo @ Rate @ Lock Torques: Breakdo Oz.Ft. Locked	1		0701/			Copper		
HP: 1/4 Volts: 460 HZ: 60 Efficiency: @ Rate Power Factor: @ Rate Amps: @ No Lo @ Rate @ Lock Torques: Breakdo Oz.Ft. Locked	,	7.5 MFD	370V					
Volts: 460 HZ: 60 Efficiency: @ Rate Power Factor: @ Rate Amps: @ No Lo @ Rate @ Lock Torques: Breakdo Oz.Ft. Locked	un Capacitors	1						
Volts: 460 HZ: 60 Efficiency: @ Rate Power Factor: @ Rate Amps: @ No Lo @ Rate @ Lock Torques: Breakdo Oz.Ft. Locked	MEI	DIUM-HIG	H SPEE	D				
HZ: 60 Efficiency: @ Rate Power Factor: @ Rate Amps: @ No Lo @ Rate @ Lock Torques: Breakdo Oz.Ft. Locked							-	
Efficiency: @ Rated Power Factor: @ Rated Amps: @ No Lo @ Rated @ Lockd Torques: Breakdo Oz.Ft. Locked		115	208	230	277	460	100	200
Power Factor: @ Rate Amps: @ No Lo @ Rate @ Rate @ Lock @ Lock Torques: Breakdo Oz.Ft. Locked		60	60	60	60	60	50	50
Amps: @ No Lo @ Rate @ Lock Torques: Breakdo Oz.Ft. Locked								
Oz.Ft. O								
Oz.Ft. Oz.Ft. Oz.Ft. Oz.Ft. Oz.Ft.								
Torques: Breakdo Oz.Ft. Locked								
Oz.Ft. Locked								
In all the	KOIOr							
Pull-Up								
Rated L Watts: Rated L	vod							
Watts: Rated L Temperature Rise: @ Rated								
	bad	I						

Dayton Electric Mfg. Co. Lake Forest, IL 60045 USA

Performance Data



HP: Volts: HZ: Efficiency:	1/4 460			D				
HZ: Efficiency:		115	208	230	277	460	100	200
Efficiency:	60	60	60	60	60	60	50	50
	@ Rated Load							
Power Factor:	@ Rated Load							
Amps:	@ No Load							
-	@ Rated Load							
Torques:	Breakdown							
Oz.Ft.	Locked Rotor							
	Pull-Up							
	Rated Load							
Watts:	Rated Load							
Temperature Rise:	@ Rated Load							
Watts:	Rated Load							
Temperature Rise:	@ Rated Load							
Thermal Protector:	Trip Temp (°C)							
Winding Material:	Start (Auxiliary) Run (Main)							
HP:	1/4	LOW SP	EED					
HP.								
		120	200	220	277	460	100	200
Volts:	460	120	208	230	277	460	100	200
Volts: HZ:	460 60	120 60	208 60	230 60	277 60	460 60	100 50	200 50
Volts: HZ: Efficiency:	460 60 @ Rated Load							
Volts: HZ: Efficiency: Power Factor:	460 60 @ Rated Load @ Rated Load							
Volts: HZ: Efficiency:	460 60 @ Rated Load @ Rated Load @ No Load							
Volts: HZ: Efficiency: Power Factor: Amps:	460 60 @ Rated Load @ Rated Load							
Volts: HZ: Efficiency: Power Factor: Amps: Torques:	460 60 @ Rated Load @ Rated Load @ No Load @ Rated Load Breakdown							
Volts: HZ: Efficiency: Power Factor: Amps:	460 60 @ Rated Load @ Rated Load @ No Load @ Rated Load							
Volts: HZ: Efficiency: Power Factor: Amps: Torques:	460 60 @ Rated Load @ Rated Load @ No Load @ Rated Load Breakdown Locked Rotor							
Volts: HZ: Efficiency: Power Factor: Amps: Torques:	460 60 @ Rated Load @ Rated Load @ No Load @ Rated Load Breakdown Locked Rotor Pull-Up							

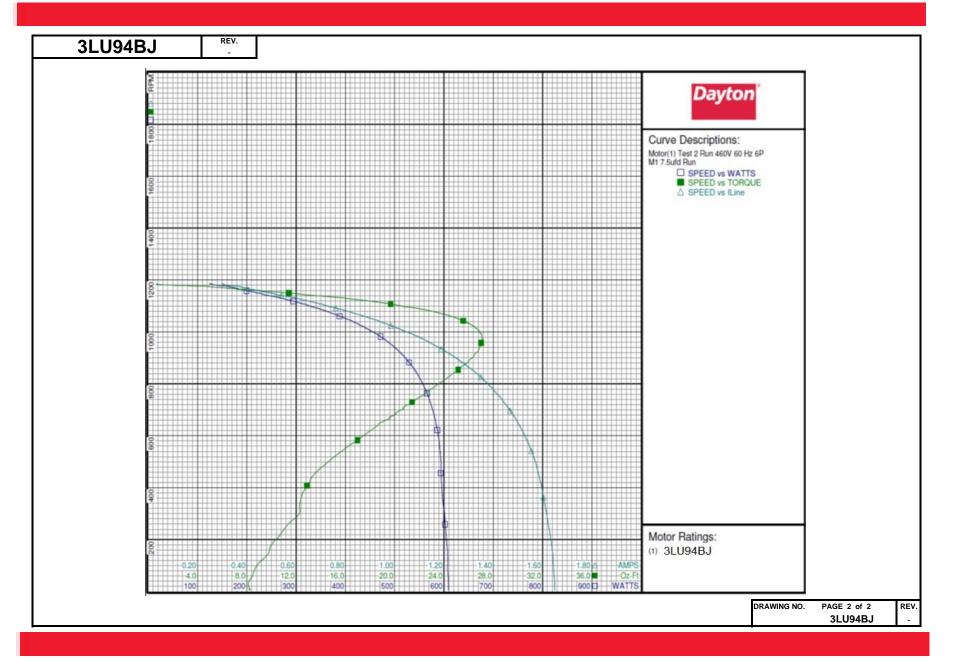
Dayton Electric Mfg. Co. Lake Forest, IL 60045 USA



				Da	yton Ma	anufactu	ring Com	pany						
Motor Des	cription				Test Conditions									
Model:	3LU94BJ			Test Type:	Run	Test Con	Run Ca	r	7.5					
Motor ID:	1 OF 1			Test Numb			Start Ca		Oufd					
Poles:	6			Poles:	6		Environ		ομια					
Volts:	460			Volts:	460		Tested:	incin.	2/3/2007 5:01	-58 PM				
Frequency:	60			Hz: 60			Tested By: Sharp, Gerald							
	HP: 1/4		Rotation: Special Cond:			Gear Ratio: 1:1 Bearing Friction: -0.18 Oz-Ft								
	Speed: 1075													
Phase:	1								orque: -1.26 Oz-Ft					
Protector:	1			TestBoard:		Performance		e rorque	-1.20 02-11					
riotetor.				resubbard.	Ашерь	renormance	Tixture #4							
Special Points	Vline(V)	Vaux (V)	Vcap(V)	Iline(A)	Imain(A)	Iaux (A)	Watts	RPM	Tq(Oz-ft)	HP	Eff(%)	PF(%)	Cap	
	460.0	313.1 316.3	369.0 361.8	0.299	0.980	1.058	124.6	1188 1178	0.00 3.49	0.000	0.0 24.1	90.5 95.7	7.6	
	460.0	319.5	353.8	0.392	0.861	1.018	175.1	1170	6.24	0.087	37.0	97.1	7.6	
	460.0	322.9	345.1	0.439	0.824	0.992	197.0	1161	8.74	0.121	45.7	97.6	7.6	
	460.0	324.2	335.7	0.503	0.791	0.962	226.6	1149	11.77	0.161	53.0	98.0	7.6	
	460.0	325.1	326.6	0.571	0.770	0.934	257.6	1135	14.75	0.199	57.7	98.0	7.6	
0.25 HP	460.0	323.1 321.4	319.3 314.9	0.636	0.767	0.915	287.0	1121 1114	17.39	0.232	60.4 61.4	98.2 98.1	7.6	
U.LJ AF	460.0	319.4	311.0	0.705	0.782	0.890	317.8	1107	19.68	0.259	60.9	97.9	7.6	
	460.0	315.4	302.3	0.778	0.818	0.866	349.4	1087	22.19	0.287	61.3	97.6	7.6	
1075 RPM	460.0	312.4	296.7	0.826	0.853	0.851	369.0	1075	23.44	0.300	60.6	97.2	7.6	
	460.0	310.8 305.7	294.1 286.0	0.849	0.872	0.844	378.9 408.2	1068 1046	24.01 25.42	0.305	60.1 57.8	97.0 96.1	7.6	
	460.0	300.3	278.9	0.993	1.020	0.803	435.0	1022	26.43	0.322	55.1	95.3	7.6	
	460.0	294.7	272.4	1.062	1.106	0.787	460.5	994	26.96	0.319	51.7	94.3	7.7	
BDT OZ-FT	460.0	289.4	267.4	1.122	1.186	0.774	481.4	969	27.14	0.313	48.5	93.2	7.7	
	460.0	288.7	266.8	1.129	1.195	0.772	483.6 503.7	966 935	27.11 26.83	0.312 0.299	48.1 44.2	93.1 92.1	7.7	
	460.0	277.0	259.2	1.246	1.364	0.752	521.0	901	26.32	0.299	40.4	90.9	7.7	
	460.0	271.0	256.8	1.298	1.443	0.745	535.6	865	25.41	0.262	36.5	89.7	7.7	
	460.0	265.6	255.2	1.345	1.518	0.741	548.7	830	24.46	0.242	32.8	88.7	7.7	
	460.0	260.3	254.2	1.388	1.586	0.739	559.5 568.5	790 750	23.29	0.219 0.197	29.2	87.6 86.6	7.7	
	460.0	255.2	253.9 253.8	1.427	1.650	0.738	568.5	750	22.08	0.197	25.9	85.7	7.7	
	460.0	245.8	254.2	1.494	1.763	0.738	582.7	661	19.30	0.152	19.4	84.8	7.7	
	460.0	241.0	255.2	1.522	1.814	0.740	587.5	612	17.81	0.130	16.5	83.9	7.7	
	460.0	236.8	255.9	1.547	1.861	0.743	591.2	561	16.28	0.109	13.7	83.1	7.7	
	460.0	232.5	256.8 257.6	1.569	1.902	0.745	593.7 594.3	505	14.77 13.42	0.089	11.2	82.3 81.5	7.7	
	460.0	225.0	259.5	1.585	1.956	0.750	595.9	389	12.65	0.059	7.3	81.0	7.7	
	460.0	221.2	261.7	1.611	1.990	0.756	599.1	326	12.29	0.048	5.9	80.8	7.7	
	460.0	217.7	264.1	1.623	2.013	0.763	602.3	259	11.35	0.035	4.3	80.7	7.7	
	460.0	213.6 209.0	266.6	1.635	2.038	0.771 0.781	605.6 607.3	189 103	10.12 8.87	0.023	2.8	80.5	7.7	
	460.0	209.0	272.3	1.649	2.062	0.789	608.8	27	8.11	0.003	0.3	80.3	7.7	

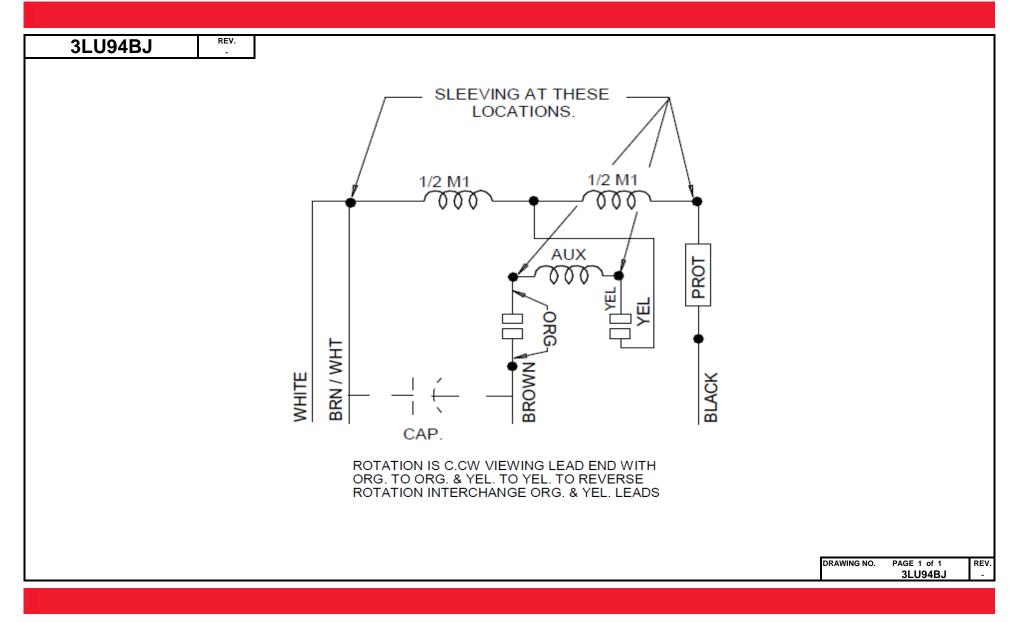
Performance Data





Wiring Diagram





Dayton Electric Mfg. Co. Lake Forest, IL 60045 USA

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