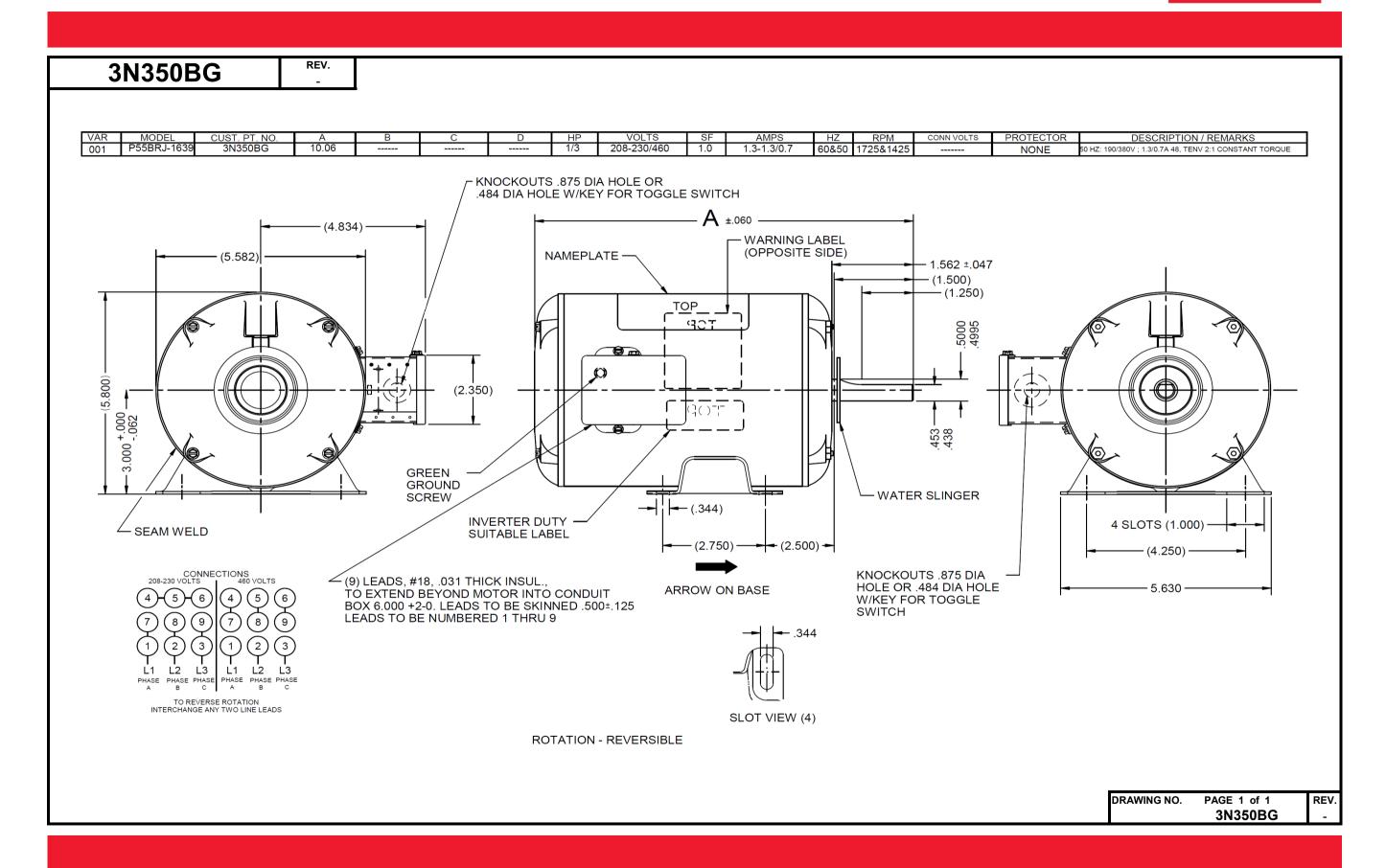
# **Dimensional Drawing**







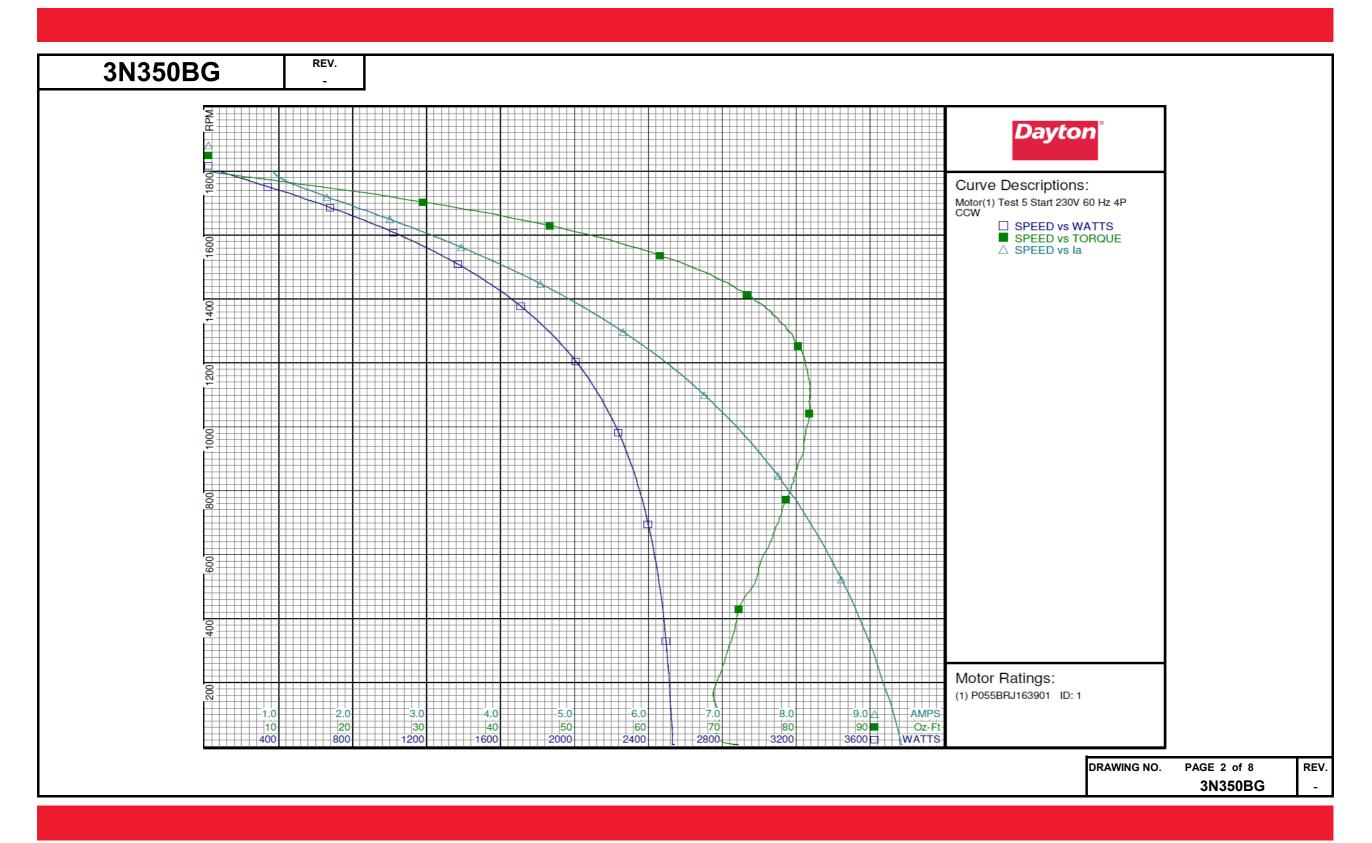
3N350B0	REV.												
	MOTOL	R PERF	ODMA	NCE									
	MOTO	RPERF	ORIVIA	INCE									
HP:	1/3HP												
Poles:	2P												
No. of Speeds:	1 Spd												
Volts:	208-230/460V,	230V	460V	190	380								
HZ:	60&50HZ	60	60	50	50								
Service Factor:	1												
Efficiency:	@ Rated Load	72.6	71.5	71.3	71.6								
Power Factor:	@ Rated Load	67.5	68.1	68.9	69.1								
Amps:	@ No Load												
	@ Rated Load	1.3	0.7	1.3	0.6								
	@ Service Factor	0.4	4.0	0.5	4.0								
RPM:	Locked Rotor     Rated Load	9.4 1749	4.8 1749	8.5 1447	4.2 1448			-					
Ambient (°C):	40	1749	1749	1447	1448	ļ.							
Altitude (FASL):	TU												
Torques:	Breakdown	83	83.2	75	75.2								
Torques.	Locked Rotor	69	69.5	66	66								
	Pull-Up	68.8	67.1	64.5	64.5								
	Rated Load	16.2	16.2	16.2	16.2								
	Service Factor	N/A	N/A	N/A	N/A								
Watts:	Rated Load	346	352	292	291								
KVA Code:													
Temperature Rise:	@ Rated Load												
	@ Service Factor												
Thermal Protector:	Trip Temp (°C)				N/A								
Winding Material:	Start (Auxiliary)												
	Run (Main)	Cu N/A											
Capacitor(s):	Start (MFD / Volts)	N/A											
	No. of Start Capacitors Run (MFD / Volts)	N/A											
	No. of Run Capacitors		1973										
	140. Of Itali Capacitors												
PERFORMANCE	<b>ΝΑΤΑ</b> ·	•											
HP:	T.												
Poles:													
Volts:													
HZ:													
Efficiency:	@ Rated Load												
Power Factor:	@ Rated Load												
Amps:	@ No Load												
-	@ Rated Load												
	@ Service Factor												
	@ Locked Rotor												
Torques:	@ Rated Load	1											
	Locked Rotor												
	Pull-Up	+											
	Rated Load Service Factor							-					
Watts:	@ Rated Load	+						1					
Temperature Rise:	@ Rated Load	+											
i emperature Mise.	@ Service Factor	+				1		1					
								<u> </u>					
							DRAWING N	10. PAGE 3N350B					

Dayton Electric Mfg. Co. Lake Forest, IL 60045



N350BG	REV. -			Dayt	on Ma	nufactu	ring Con	npany				
Motor Des	scription					Test Con	ditions					
Model: Motor ID:	P055BRJ1639 1	001		Test Type: Test Number:	Start 5		Run Cap: Start Cap: Environment: Tested: Tested By: Gear Ratio: Bearing Friction: Windage Torque		0 0μfd			
Poles: Volts: Frequency: HP: Speed: Phase:	4 208-230/460 60&50 1/3 1725&1425 3			Poles: Volts: Hz: Rotation: Special Cond: Speed Conn:	4 230 60 CCW				6/14/2017 10:10:29 AM Sharp, Gerald 1:1 : -0.63 Oz-Ft			
Protector:	NONE			TestBoard:	Amtps F	Performance	Fixture #1					
Special Points	Vab(V) 229.5 229.5	Vbc (V) 229.9 230.0	Vca (V) 230.5 230.5	Ia(A) 9.440 9.388	<b>Ib(A)</b> 9.477 9.417	Ic(A) 9.529 9.478	<b>Watts</b> 2539 2531	<b>RPM</b> 6 40	<b>Tq(Oz-ft)</b> 71.47 69.21	<b>HP</b> 0.005 0.033	Eff(%) 0.2	<b>PF(%)</b> 67.2 67.4
PUT OZ-FT	229.5	230.0	230.5	9.220	9.246	9.290	2516	171	68.80	0.140	1.0 <b>4.1</b>	68.3
	229.5 229.5	230.0	230.5	9.199 9.006	9.233 9.028	9.274 9.068	2515 2498	184 318	68.95 70.91	0.151	4.5	68.4 69.4
	229.5	229.9 230.0	230.5 230.5	8.782	8.802	8.849	2498	442	72.42	0.268 0.381	8.0 11.5	70.5
	229.5	230.0	230.5	8.535	8.554	8.604	2446	557	74.88	0.497	15.1	71.7
	229.5	230.0	230.5	8.282	8.297	8.347	2411	664	76.86	0.608	18.8	72.8
	229.5	230.0	230.5	8.018	8.019	8.076	2371	763	78.52	0.714	22.4	74.1
	229.6 229.6	229.9 229.9	230.5	7.728 7.426	7.739 7.435	7.788 7.485	2324 2269	855 940	79.89 80.99	0.813 0.907	26.1 29.8	75.3 76.5
	229.6	230.0	230.5	7.114	7.122	7.173	2208	1020	81.67	0.991	33.5	77.7
	229.6	230.0	230.4	6.790	6.796	6.845	2140	1092	81.83	1.064	37.1	78.9
	229.6	230.0	230.4	6.459	6.461	6.511	2065	1160	81.62	1.128	40.7	80.0
	229.6	230.0	230.4	6.117	6.115	6.169	1983	1223	80.96	1.179	44.3	81.2
	229.6	230.0	230.4	5.768	5.765	5.817	1894	1280	79.62	1.213	47.8	82.2
	229.6 229.5	230.0 230.1	230.4	5.415 5.066	5.409 5.056	5.465 5.113	1798 1700	1334 1382	77.63 75.46	1.233	51.1 54.5	83.1 84.0
	229.5	230.1	230.4	4.717	4.705	4.762	1597	1426	72.47	1.231	57.5	84.8
	229.5	230.1	230.4	4.371	4.364	4.417	1490	1467	69.05	1.206	60.4	85.3
	229.5	230.2	230.4	4.029	4.021	4.073	1382	1505	65.35	1.171	63.2	85.8
	229.5	230.1	230.4	3.698	3.686	3.740	1272	1539	61.15	1.120	65.7	86.1
	229.5	230.1	230.4	3.374	3.361	3.415	1162	1571	56.66	1.059	68.0	86.2
	229.4	230.2	230.4	3.063	3.048	3.104	1054	1600	52.11	0.993	70.2	86.2
	229.5	230.2	230.4	2.764	2.748	2.803	946 837	1627 1652	47.26 41.78	0.915	72.2	85.7 84.7
	229.5 229.4	230.1 230.2	230.4	2.473 2.200	2.455	2.512 2.239	733	1675	36.78	0.821 0.733	73.2 74.7	83.3
	229.4	230.2	230.4	1.937	1.919	1.977	630	1696	31.33	0.633	74.9	81.4
	229.4	230.2	230.4	1.673	1.656	1.714	522	1717	25.73	0.526	75.2	77.9
	229.4	230.2	230.4	1.454	1.441	1.499	421	1737	20.11	0.416	73.6	72.2
	229.4	230.2	230.4	1.222	1.214	1.271	311	1756	13.87	0.290	69.5	63.2
	229.3	230.2	230.4	1.047	1.043	1.096	210	1776	7.84	0.166	59.0	49.6
	229.3 229.3	230.2 230.3	230.4	0.937 0.912	0.934	0.977 0.950	107 68	1794 1801	1.83 0.00	0.039	27.1 0.0	28.3
	229.3	230.3	230.4	0.912	0.505	0.950	00	1001	0.00	0.000	0.0	18.4
										D	RAWING NO.	PAGE 1 of 8
												3N350B

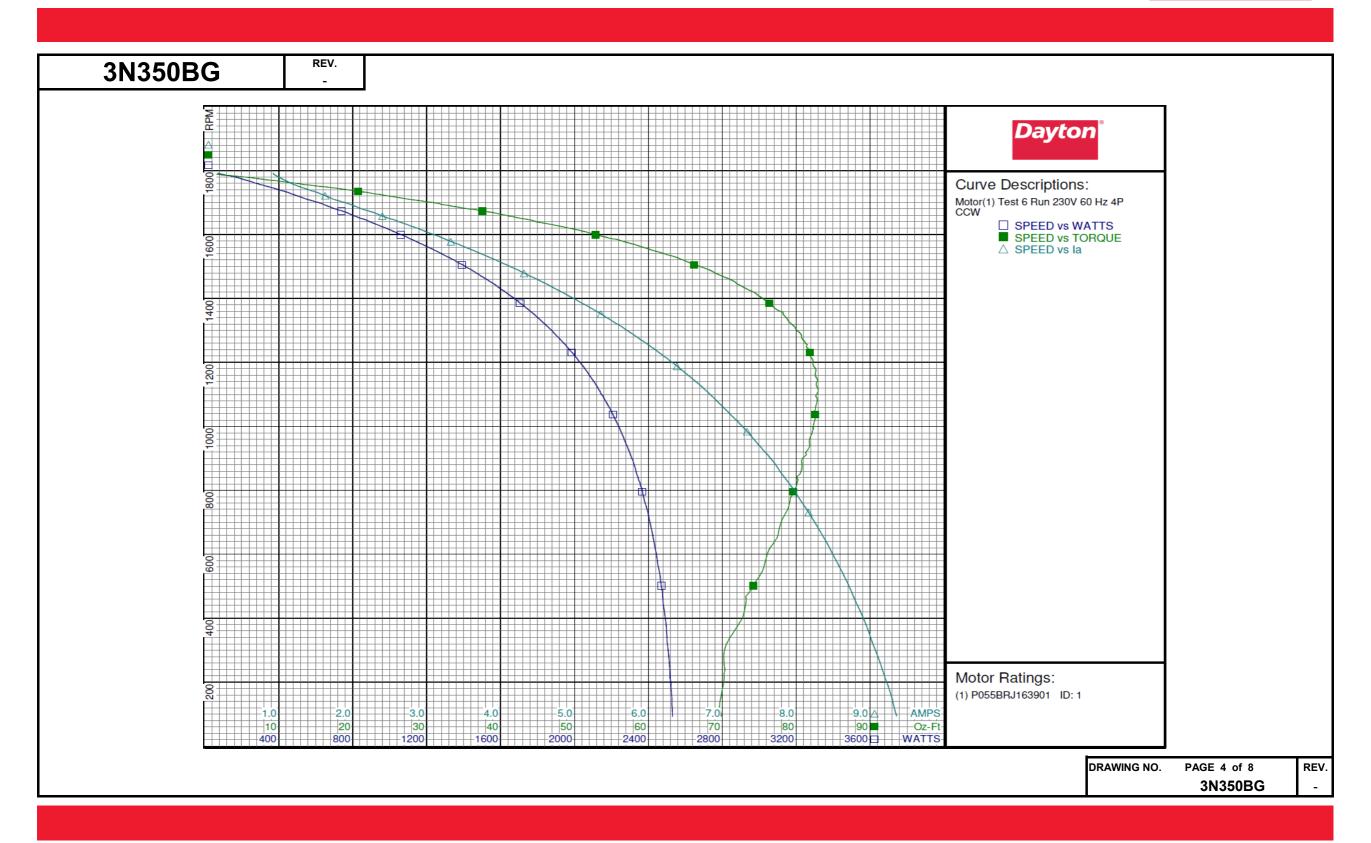






Motor   Decorption   Test Type:   Run   Run   Cap:   O	3N35	UDG				Dayt	ton Ma	nufactu	ring Com	pany				
Motor ID:		Motor Des						<b>Test Con</b>	ditions					
Poles: 4			P055BRJ1639	01										
Volts:   208-230/460   Volts:   230   Tested:   6/14/2017 9.54:33 AM			1								0μfd			
Frequency   Freq			•							nent:				
Protector: NONE		Frequency: HP: Speed:	60&50 1/3 1725&1425			Hz: Rotation: Special Cond:	60		Tested B Gear Rat Bearing	tio: Friction:	Sharp, Gerald 1:1 -0.59 Oz-Ft			
229.5 230.5 230.0 0.921 0.900 0.947 70 1792 0.00 0.000 0.00 19.0 229.6 230.4 230.0 1.055 1.029 1.083 207 1772 7.86 0.166 59.9 49.1 16.2 02-FT 229.6 230.4 230.0 1.247 1.216 1.271 325 1752 14.86 0.310 71.2 65.5 17.5 14.86 0.310 71.2 65.5 17.5 14.86 0.310 71.2 65.5 18.5 18.5 18.5 18.5 18.5 18.5 18.5 1		Protector:	NONE				Amtps P	erformance		•				
229.5 230.5 230.0 0.921 0.900 0.947 70 1792 0.00 0.000 0.00 19.0 229.6 230.4 230.0 1.055 1.029 1.083 207 1772 7.86 0.166 59.9 49.1 16.2 02-FT 229.6 230.4 230.0 1.247 1.216 1.271 325 1752 14.86 0.310 71.2 65.5 17.5 14.86 0.310 71.2 65.5 17.5 14.86 0.310 71.2 65.5 18.5 18.5 18.5 18.5 18.5 18.5 18.5 1	Specia	al Points	Vab (V)	Vbc (V)	Vca (V)	Ia(A)	Ib(A)	Ic(A)		RPM	Tq(Oz-ft)	HP	Eff(%)	PF(%)
16.2 OZ-FT 229.6 230.4 230.0 1.289 1.260 1.313 346 1749 16.20 0.337 72.6 65.5 0.33 HP 229.6 230.4 230.0 1.279 1.260 1.313 346 1749 15.84 0.330 72.1 67.1 229.6 230.5 229.9 1.496 1.459 1.513 441 1750 15.84 0.330 72.1 67.1 1725 RPM 229.7 230.4 229.9 1.591 1.559 1.609 480 1725 23.65 0.486 75.5 75.9 229.8 230.1 230.2 1.713 1.696 1.741 539 1713 26.86 0.548 75.8 78.8 229.8 230.1 230.1 1.996 1.999 2.015 653 1691 32.79 0.660 75.5 82.0 229.9 230.2 230.0 2.258 2.293 764 1669 38.77 0.770 75.2 82.0 229.9 230.2 230.0 2.568 2.545 2.577 873 1645 44.05 0.863 73.8 85.4 230.1 230.1 229.7 2.881 2.886 2.871 984 1619 49.47 0.953 72.3 85.4 230.1 230.1 229.8 3.196 3.173 3.186 1096 1591 54.32 1.029 70.0 86.4 230.1 230.1 229.8 3.596 3.849 3.858 1326 1527 63.97 1.163 65.4 86.2 230.2 230.1 229.7 4.569 4.554 4.558 1326 1527 63.97 1.163 65.4 86.2 230.2 230.1 229.7 4.569 4.554 4.558 1481 1451 71.76 1.239 59.7 85.2 230.2 230.1 229.7 4.569 4.554 4.558 1548 1451 71.76 1.239 59.7 85.2 230.2 230.1 229.7 4.569 4.554 4.558 1548 1451 71.76 1.239 59.7 85.2 230.2 230.1 229.7 4.569 4.554 4.558 1548 1451 71.76 1.239 59.7 85.2 230.2 230.1 229.7 4.569 4.554 4.558 1548 1451 71.76 1.239 59.7 85.2 230.2 230.1 229.7 4.569 4.554 4.558 1548 1451 71.76 1.239 59.7 85.2 230.2 230.1 229.7 6.554 6.329 5.288 1526 1527 63.97 1.163 65.4 86.2 230.2 230.1 229.7 6.554 6.329 5.289 1548 1451 71.76 1.239 59.7 85.2 230.2 230.1 229.7 6.564 6.342 6.342 20.8 1194 82.27 1.162 39.2 79.7 85.2 230.3 229.9 229.9 6.695 6.685 6.583 1191 115 82.97 1.102 38.6 79.2 230.3 220.0 229.8 7.038 7.038 7.038 7.330 7.336 2252 983 82.20 0.962 31.9 77.1 230.1 230.0 229.8 7.038 7.038 7.330 7.336 2252 983 82.20 0.962 31.9 77.1 230.2 229.9 229.9 8.9196 8.190 8.207 2401 720 78.37 0.675 24.5 74.7 230.2 229.9 229.9 8.9196 8.190 8.207 2401 720 78.37 0.675 24.5 74.7 230.2 229.9 229.9 8.9196 8.190 8.923 2492 398 72.68 0.344 10.3 70.2 230.1 229.9 229.9 8.9196 8.190 8.923 2492 398 72.68 0.344 10.3 70.2 230.1 229.9 229.9 8.9198 8.190 8.923 2492 398 72.68 0.344 10.3 70.2			229.5			0.921								
16.2 OZ-FT 0.33 HP 229.6 230.4 230.0 1.289 1.260 1.313 346 1749 16.20 0.337 72.6 67.5  1725 RPM 229.6 230.5 229.9 1.496 1.459 1.513 441 1733 21.41 0.442 74.8 74.3  1725 RPM 229.7 230.4 229.9 1.591 1.559 1.609 480 1725 23.65 0.486 75.5 75.9  229.8 230.1 230.2 1.713 1.696 1.741 539 1713 26.86 0.548 75.8 78.8  229.8 230.1 230.1 1.996 1.999 2.015 653 1691 32.79 0.660 75.5 82.0  229.8 230.1 230.1 2.275 2.258 2.293 764 1669 38.77 0.770 75.2 84.3  229.9 230.2 230.0 2.568 2.545 2.577 873 1645 44.05 0.863 73.8 85.4  230.1 230.1 230.2 229.7 2.881 2.856 2.871 984 1619 49.47 0.953 72.3 86.1  230.1 230.1 229.8 3.196 3.173 3.186 1096 1591 54.32 1.029 70.0 86.4  230.1 230.1 229.7 3.869 3.527 3.505 3.515 1210 1560 59.30 1.101 67.9 86.4  230.2 230.1 229.7 4.214 4.197 4.202 1437 1491 68.05 1.208 62.7 85.8  230.2 230.1 229.7 4.569 4.914 4.197 4.202 1437 1491 68.05 1.208 62.7 85.8  230.2 230.1 229.7 4.569 4.914 4.954 1655 1407 74.94 1.256 56.6 84.5  230.2 230.0 229.8 5.288 5.273 5.634 1858 1310 79.80 1.245 50.0 82.7  230.2 230.0 229.8 5.288 5.273 5.634 1858 1310 79.80 1.245 50.0 82.7  230.2 230.0 229.8 5.288 5.273 5.634 1858 1310 79.80 1.245 50.0 82.7  230.3 230.0 229.8 5.288 5.273 5.634 1858 1310 79.80 1.245 50.0 82.7  230.3 230.0 229.8 6.002 5.989 5.990 1951 1255 81.50 1.217 46.6 81.7  230.3 230.0 229.8 7.647 5.633 5.634 1858 1310 79.80 1.245 50.0 82.7  230.3 230.0 229.8 7.654 6.342 6.344 2038 1194 82.27 1.169 42.8 80.6  230.2 230.0 229.8 7.654 6.342 6.344 2038 1194 82.27 1.169 42.8 80.6  230.2 230.3 230.0 229.8 7.055 6.85 6.85 217 1129 82.71 1.112 39.2 77.1  230.3 230.0 229.8 7.056 6.85 6.85 2.73 5.634 1858 1310 79.80 1.245 50.0 82.7  230.3 229.9 229.9 8.196 8.190 8.207 2401 720 78.37 0.672 20.9 73.5  230.2 230.0 229.8 7.647 7.699 7.647 2309 901 80.89 0.868 28.0 75.8  230.1 230.0 229.8 7.647 7.699 7.647 2309 901 80.89 0.868 28.0 75.8  230.2 230.0 229.9 7.926 7.921 7.932 2358 814 80.04 0.775 24.5 74.7  230.2 229.9 229.9 8.196 8.190 8.207 2401 720 78.37 0.672 20.9 73.5  230.1 229.9 229.9 8.448 8.446 8.458 2436 620 76.47 0.565 17.														
0.33 HP	16.2	OZ-FT												
1725 RPM			229.6			1.279		1.303			15.84			67.1
229.6 230.1 230.2 1.713 1.696 1.741 539 1713 26.86 0.548 75.8 78.8 229.8 230.1 230.1 1.996 1.979 2.015 653 1691 32.79 0.660 75.5 82.0 229.8 230.1 230.1 2.275 2.258 2.293 764 1669 38.77 0.770 75.2 84.3 229.9 230.2 230.0 2.568 2.545 2.577 873 1645 44.05 0.863 73.8 85.4 230.1 230.1 230.2 229.7 2.881 2.856 2.871 984 1619 49.47 0.953 72.3 86.1 230.1 230.1 229.8 3.196 3.173 3.186 1096 1591 54.32 1.029 70.0 86.4 230.1 230.1 229.8 3.527 3.505 3.515 1210 1560 59.30 1.101 67.9 86.4 230.1 230.1 229.7 3.869 3.849 3.888 1326 1527 63.97 1.163 65.4 86.2 230.2 230.1 229.7 4.214 4.197 4.202 1437 1491 68.05 1.208 62.7 85.8 230.2 230.1 229.7 4.569 4.591 4.594 4.558 1548 1451 71.76 1.239 59.7 85.2 230.2 230.1 229.7 4.569 4.591 4.594 1.655 1407 74.94 1.256 56.6 84.5 230.2 230.0 229.8 5.288 5.273 5.276 1759 1361 77.68 1.258 53.4 83.7 230.2 230.0 229.8 5.288 5.273 5.276 1759 1361 77.68 1.258 53.4 83.7 230.2 230.0 229.8 6.002 5.989 5.990 1.951 1255 81.50 1.217 46.6 81.7 230.3 229.9 229.9 6.695 6.685 6.685 2117 1129 82.71 1.112 39.2 79.4 42.6 81.7 230.3 229.9 229.7 6.695 6.685 6.685 2117 1129 82.71 1.112 39.2 79.4 230.2 230.0 229.8 7.647 7.639 7.647 2309 901 82.27 1.169 42.8 80.6 230.3 229.9 229.7 6.695 6.685 6.685 2117 1129 82.71 1.112 39.2 79.4 230.2 230.0 229.8 7.647 7.639 7.647 2309 901 82.77 1.102 38.6 79.2 230.3 229.9 229.8 7.015 7.016 7.017 2188 1059 82.61 1.041 35.5 78.3 230.2 230.0 229.8 7.647 7.639 7.647 2309 901 80.89 0.868 2.80 75.8 230.1 230.0 229.9 8.7966 8.190 8.207 2401 720 78.37 0.672 20.9 73.5 230.2 230.0 229.9 8.7966 8.190 8.207 2401 720 78.37 0.672 20.9 73.5 230.2 229.9 229.9 8.1966 8.190 8.207 2401 720 78.37 0.672 20.9 73.5 230.1 229.9 229.9 8.1966 8.190 8.207 2401 720 78.37 0.672 20.9 73.5 230.1 229.9 229.9 8.1966 8.190 8.207 2401 720 78.37 0.672 20.9 73.5 230.1 229.9 229.9 8.1966 8.190 8.207 2401 720 78.37 0.672 20.9 73.5 230.1 229.9 229.9 8.1966 8.190 8.207 2401 720 78.37 0.672 20.9 73.5 230.1 229.9 229.9 8.1966 8.190 8.203 2492 398 72.68 0.3344 10.3 70.2 230.1 229.9 9.29.9 8.1968 8.666 8.697 2467 513 74.47 0.45	4705													
229.8 230.1 230.1 1.996 1.979 2.015 653 1691 32.79 0.660 75.5 82.0 299.8 230.1 230.1 2.275 2.258 2.293 764 1669 38.77 0.770 75.2 84.3 229.9 230.2 230.0 2.568 2.545 2.577 873 1645 44.05 0.863 73.8 85.4 230.1 230.1 230.1 229.8 3.196 3.173 3.186 1096 1591 54.32 1.029 70.0 86.4 230.1 230.1 229.8 3.196 3.173 3.186 1096 1591 54.32 1.029 70.0 86.4 230.1 230.1 229.7 3.869 3.849 3.858 1326 1527 63.97 1.163 65.4 86.2 230.1 230.1 229.7 4.569 4.554 4.558 1326 1527 63.97 1.163 65.4 86.2 230.2 230.1 229.7 4.569 4.554 4.558 1548 1451 71.76 1.239 59.7 85.2 230.2 230.1 229.7 4.926 4.911 4.914 1655 1407 74.94 1.256 56.6 56.6 84.5 230.2 230.0 229.8 5.288 5.273 5.276 1759 1361 77.68 1.258 53.4 83.7 230.2 230.0 229.8 5.288 5.273 5.276 1759 1361 77.68 1.258 53.4 83.7 230.2 230.0 229.7 6.595 6.695 6.685 6.685 2117 1129 82.71 1.112 39.2 79.4 80.6 230.3 229.9 229.7 6.595 6.685 6.685 2117 1129 82.71 1.112 39.2 79.4 80.6 230.3 229.9 229.7 6.595 6.685 6.685 2117 1129 82.71 1.112 39.2 79.4 80.6 230.3 229.9 229.7 6.595 6.685 6.685 2117 1129 82.71 1.112 39.2 79.4 80.6 230.3 229.9 229.7 6.595 6.685 6.685 2117 1129 82.71 1.112 39.2 79.4 80.6 230.3 229.9 229.7 6.595 6.685 6.685 2117 1129 82.71 1.112 39.2 79.4 80.6 230.3 229.9 229.7 6.595 6.685 6.685 2117 1129 82.71 1.112 39.2 79.4 80.6 230.2 230.0 229.8 7.388 7.330 7.336 2252 983 82.20 0.962 31.9 77.1 230.2 230.0 229.8 7.647 7.639 7.647 2309 901 80.89 0.868 28.0 75.8 220.0 229.9 229.9 8.448 8.448 8.448 8.248 6.20 0.962 31.9 77.1 230.2 230.0 229.8 7.647 7.639 7.647 2309 901 80.89 0.868 28.0 75.8 230.1 229.9 229.9 8.448 8.448 8.448 8.448 8.2436 620 76.47 0.565 17.3 72.3 230.1 229.9 229.9 8.848 8.468 8.668 8.697 2401 720 78.37 0.672 20.9 73.5 230.1 229.9 229.9 8.848 8.448 8.448 8.448 8.448 8.044 0.775 2.455 13.8 71.3 230.1 229.9 229.9 8.848 8.448 8.448 8.448 8.448 8.449 0.344 10.3 70.2 230.1 229.9 229.9 8.8912 8.910 8.923 2492 3398 72.68 0.344 10.3 70.2 230.1 229.9 229.9 8.912 8.910 8.923 2492 3398 72.68 0.344 10.3 70.2 230.1 229.9 229.9 8.912 8.910 8.923 2492 3398 72.68 0.344 10.3 70.2 230.1 230.	1725	RPM												
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230.2 230.1 229.7 4.926 4.911 4.914 1655 1407 74.94 1.256 56.6 84.5 230.2 230.0 229.8 5.288 5.273 5.276 1759 1361 77.68 1.258 53.4 83.7 230.2 230.0 229.7 5.647 5.633 5.634 1858 1310 79.80 1.245 50.0 82.7 230.2 230.0 229.8 6.002 5.989 5.990 1951 1255 81.50 1.217 46.6 81.7 230.3 230.0 229.7 6.354 6.342 6.344 2038 1194 82.27 1.169 42.8 80.6 230.3 229.9 229.7 6.695 6.685 6.685 2117 1129 82.71 1.112 39.2 79.4 88.0 89.6 230.3 229.9 229.7 6.761 6.753 6.753 2131 1115 82.97 1.102 38.6 79.2 230.3 229.9 229.8 7.015 7.016 7.017 2188 1059 82.61 1.041 35.5 78.3 230.2 230.0 229.8 7.338 7.330 7.336 2252 98.3 82.20 0.962 31.9 77.1 230.2 230.0 229.8 7.647 7.639 7.647 2309 901 80.89 0.868 28.0 75.8 230.1 230.0 229.9 8.796 7.926 7.921 7.932 2358 814 80.04 0.775 24.5 74.7 230.2 229.9 229.9 8.196 8.190 8.207 2401 720 78.37 0.672 20.9 73.5 230.1 229.9 229.9 8.448 8.446 8.458 2436 620 76.47 0.565 17.3 72.3 230.1 229.9 229.9 8.688 8.686 8.697 2467 513 74.47 0.455 13.8 71.3 230.1 229.9 229.9 8.912 8.910 8.923 2492 398 72.68 0.344 10.3 70.2 230.1 229.9 229.9 8.912 8.910 8.923 2492 398 72.68 0.344 10.3 70.2 230.1 229.9 229.9 8.910 8.923 2492 398 72.68 0.344 10.3 70.2 230.1 229.9 229.9 8.910 8.923 2492 398 72.68 0.344 10.3 70.2 230.1 230.0 229.9 9.109 9.110 9.124 2511 276 70.20 0.231 6.9 69.2														
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BDT OZ-FT 230.3 229.9 229.7 6.695 6.685 6.685 2117 1129 82.71 1.112 39.2 79.4 230.3 230.0 229.7 6.761 6.753 6.753 2131 1115 82.97 1.102 38.6 79.2 230.3 229.9 229.8 7.015 7.016 7.017 2188 1059 82.61 1.041 35.5 78.3 230.2 230.0 229.8 7.338 7.330 7.336 2252 983 82.20 0.9662 31.9 77.1 230.2 230.0 229.8 7.647 7.639 7.647 2309 901 80.89 0.868 28.0 75.8 230.1 230.0 229.9 7.926 7.921 7.932 2358 814 80.04 0.775 24.5 74.7 230.2 229.9 229.9 8.196 8.190 8.207 2401 720 78.37 0.672 20.9 73.5 230.2 229.9 229.9 8.448 8.446 8.458 2436 620 76.47 0.565 17.3 72.3 230.1 229.9 229.9 8.688 8.686 8.697 2467 313 74.47 0.455 13.8 71.3 230.1 229.9 229.9 8.688 8.686 8.697 2467 513 74.47 0.455 13.8 71.3 230.1 229.9 229.9 8.912 8.910 8.923 2492 398 72.68 0.344 10.3 70.2 230.1 230.0 229.9 9.109 9.110 9.124 2511 276 70.20 0.231 6.9 69.2														
BDT OZ-FT 230.3 230.0 229.7 6.761 6.753 6.753 2131 1115 82.97 1.102 38.6 79.2 230.3 229.9 229.8 7.015 7.016 7.017 2188 1059 82.61 1.041 35.5 78.3 230.2 230.0 229.8 7.338 7.330 7.336 2252 983 82.20 0.962 31.9 77.1 230.2 230.1 230.0 229.8 7.647 7.639 7.647 2309 901 80.89 0.868 28.0 75.8 230.1 230.0 229.9 7.926 7.921 7.932 2358 814 80.04 0.775 24.5 74.7 230.2 229.9 229.9 8.196 8.190 8.207 2401 720 78.37 0.672 20.9 73.5 230.2 229.9 229.9 8.448 8.446 8.458 2436 620 76.47 0.565 17.3 72.3 230.1 229.9 229.9 8.688 8.686 8.697 2467 513 74.47 0.545 13.8 71.3 230.1 229.9 229.9 8.912 8.910 8.923 2492 398 72.68 0.344 10.3 70.2 230.1 230.0 229.9 9.109 9.110 9.124 2511 276 70.20 0.231 6.9 69.2														
230.3     229.9     229.8     7.015     7.016     7.017     2188     1059     82.61     1.041     35.5     78.3       230.2     230.0     229.8     7.338     7.330     7.336     2252     983     82.20     0.962     31.9     77.1       230.2     230.0     229.8     7.647     7.639     7.647     2309     901     80.89     0.868     28.0     75.8       230.1     230.0     229.9     7.926     7.921     7.932     2358     814     80.04     0.775     24.5     74.7       230.2     229.9     8.196     8.190     8.207     2401     720     78.37     0.672     20.9     73.5       230.1     229.9     229.9     8.448     8.446     8.458     2436     620     76.47     0.565     17.3     72.3       230.1     229.9     229.9     8.688     8.686     8.697     2467     513     74.47     0.455     13.8     71.3       230.1     229.9     229.9     8.912     8.910     8.923     2492     398     72.68     0.344     10.3     70.2       230.1     230.0     229.9     9.109     9.110     9.124     2511     276	DDM .	07 EM												
230.2 230.0 229.8 7.338 7.330 7.336 2252 983 82.20 0.962 31.9 77.1 230.2 230.0 229.8 7.647 7.639 7.647 2309 901 80.89 0.868 28.0 75.8 230.1 230.0 229.9 7.926 7.921 7.932 2358 814 80.04 0.775 24.5 74.7 230.2 229.9 229.9 8.196 8.190 8.207 2401 720 78.37 0.672 20.9 73.5 230.2 229.9 229.9 8.448 8.446 8.458 2436 620 76.47 0.565 17.3 72.3 230.1 229.9 229.9 8.688 8.686 8.697 2467 513 74.47 0.555 13.8 71.3 230.1 229.9 229.9 8.912 8.910 8.923 2492 398 72.68 0.344 10.3 70.2 230.1 230.0 229.9 9.109 9.110 9.124 2511 276 70.20 0.231 6.9 69.2	BDT	OZ-FT												
230.2 230.0 229.8 7.647 7.639 7.647 2309 901 80.89 0.868 28.0 75.8 230.1 230.0 229.9 7.926 7.921 7.932 2358 814 80.04 0.775 24.5 74.7 230.2 229.9 229.9 8.196 8.190 8.207 2401 720 78.37 0.672 20.9 73.5 230.2 229.9 229.9 8.448 8.446 8.458 2436 620 76.47 0.565 17.3 72.3 230.1 229.9 229.9 8.688 8.686 8.697 2467 513 74.47 0.455 13.8 71.3 230.1 229.9 229.9 8.912 8.910 8.923 2492 398 72.68 0.344 10.3 70.2 230.1 230.0 229.9 9.109 9.110 9.124 2511 276 70.20 0.231 6.9 69.2														
230.1 230.0 229.9 7.926 7.921 7.932 2358 814 80.04 0.775 24.5 74.7 230.2 229.9 229.9 8.196 8.190 8.207 2401 720 78.37 0.672 20.9 73.5 230.2 229.9 229.9 8.448 8.446 8.458 2436 620 76.47 0.565 17.3 72.3 230.1 229.9 229.9 8.688 8.686 8.697 2467 513 74.47 0.455 13.8 71.3 230.1 229.9 229.9 8.912 8.910 8.923 2492 398 72.68 0.344 10.3 70.2 230.1 230.0 229.9 9.109 9.110 9.124 2511 276 70.20 0.231 6.9 69.2														
230.2     229.9     229.9     8.448     8.446     8.458     2436     620     76.47     0.565     17.3     72.3       230.1     229.9     229.9     8.688     8.686     8.697     2467     513     74.47     0.455     13.8     71.3       230.1     229.9     229.9     8.912     8.910     8.923     2492     398     72.68     0.344     10.3     70.2       230.1     230.0     229.9     9.109     9.110     9.124     2511     276     70.20     0.231     6.9     69.2			230.1			7.926	7.921	7.932			80.04			74.7
230.1 229.9 229.9 8.688 8.686 8.697 2467 513 74.47 0.455 13.8 71.3 230.1 229.9 229.9 8.912 8.910 8.923 2492 398 72.68 0.344 10.3 70.2 230.1 230.0 229.9 9.109 9.110 9.124 2511 276 70.20 0.231 6.9 69.2														
230.1 229.9 229.9 8.912 8.910 8.923 2492 398 72.68 0.344 10.3 70.2 230.1 230.0 229.9 9.109 9.110 9.124 2511 276 70.20 0.231 6.9 69.2														
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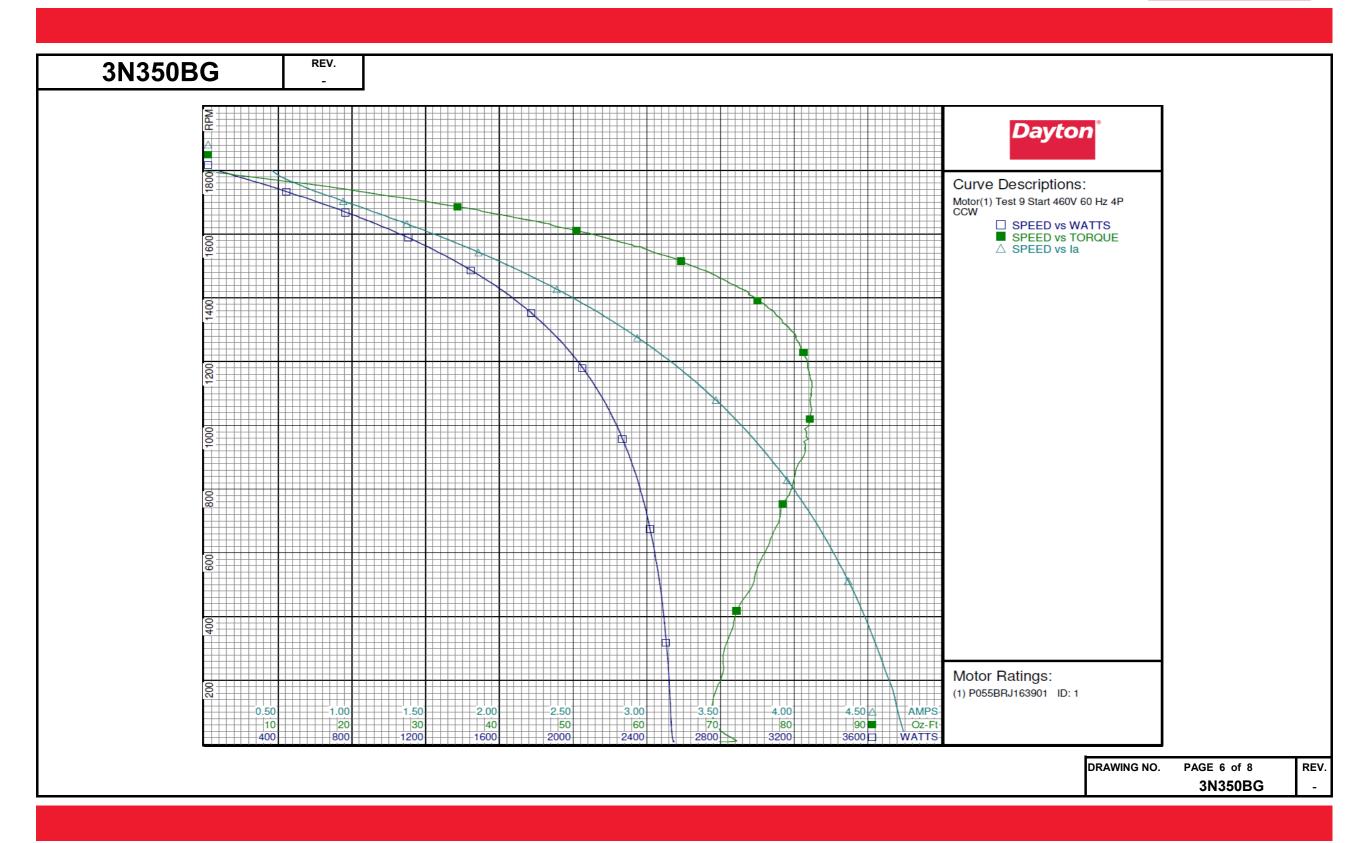






3N350BG	REV. -											
				Dayt	on Ma		ring Com	ipany				
Motor Des					-	Test Con						
Model:	P055BRJ1639	01		Test Type:	Start		Run Cap		0			
Motor ID:	1			Test Number:	9		Start Ca		0μfd			
Poles:	4			Poles:	4		Environ	ment:				
Volts:	208-230/460			Volts:	460		Tested:		6/15/2017 10			
Frequency:	60&50			Hz:	60		Tested I		Sharp, Gerald	l		
HP:	1/3			Rotation:	CCW		Gear Ra		1:1			
Speed:	1725&1425			Special Cond:					-0.48 Oz-Ft			
Phase:	3			Speed Conn:				e Torque:	: -2.18 Oz-Ft			
Protector:	NONE			TestBoard:	Amtps F	erformance	Fixture #1					
Special Points	Vab(V)	Vbc (V)	Vca(V)	Ia(A)	Ib(A)	Ic(A)	Watts	RPM	Tq(Oz-ft)	HP	Eff(%)	PF(%)
PUT OZ-FT	458.9	460.9	460.1	4.771	4.764	4.774	2544	7	67.11	0.006	0.2	67.0
	458.9 459.0	460.9 460.8	460.1 460.2	4.771 4.740	4.764 4.736	4.774 4.748	2544 2535	7 41	67.11 70.02	0.006 0.034	0.2 1.0	67.0 67.1
	459.0	460.8	460.2	4.656	4.633	4.650	2522	185	69.64	0.154	4.5	68.1
	458.9	460.9	460.1	4.549	4.533	4.554	2505	318	70.82	0.268	8.0	69.2
	459.0	460.9	460.1	4.439	4.419	4.443	2484	442	72.72	0.382	11.5	70.3
	458.9 458.9	461.0 461.0	460.1 460.1	4.315 4.186	4.295 4.165	4.320 4.190	2455 2421	557 664	75.05 77.16	0.498 0.610	15.1 18.8	71.5 72.7
	459.0	460.8	460.2	4.050	4.032	4.051	2380	763	78.72	0.715	22.4	73.9
	459.1	460.9	460.0	3.907	3.886	3.909	2334	855	80.17	0.816	26.1	75.1
	459.0	460.9	460.0	3.755	3.731	3.756	2279	941	81.51	0.913	29.9	76.3
	459.0 459.0	460.9 460.9	460.1 460.1	3.598 3.434	3.574 3.410	3.600 3.435	2219 2151	1020 1093	82.11 82.31	0.997 1.071	33.5 37.1	77.6 78.8
	459.1	460.9	460.0	3.267	3.241	3.266	2075	1161	82.04	1.134	40.8	80.0
	459.0	461.0	460.0	3.095	3.070	3.094	1994	1223	81.45	1.185	44.4	81.1
	459.0	461.0	460.0	2.919	2.893	2.917	1904	1280	80.22	1.223	47.9	82.1
	459.1 459.0	461.0 461.1	459.9 459.9	2.742 2.566	2.715 2.537	2.739 2.563	1809 1710	1333 1382	78.21 75.80	1.241	51.2 54.4	83.1 84.0
	459.0	461.1	460.0	2.389	2.360	2.386	1606	1427	72.97	1.239	57.6	84.8
	459.0	461.1	459.9	2.216	2.190	2.213	1500	1467	69.55	1.215	60.4	85.3
	459.0	461.1	459.9	2.043	2.016	2.041	1390	1505	65.54	1.174	63.0	85.8
	458.9 459.0	461.1 461.0	459.9 460.0	1.876 1.711	1.849 1.687	1.873 1.708	1280 1170	1539 1571	61.40 57.03	1.125	65.6 68.0	86.1 86.3
	458.9	461.1	460.0	1.553	1.529	1.552	1060	1600	52.44	0.999	70.3	86.1
	458.8	461.1	460.0	1.400	1.376	1.400	951	1627	47.28	0.916	71.8	85.8
	458.9	461.1	460.0	1.253	1.231	1.254	844	1651	42.20	0.829	73.3	85.0
	458.9 458.9	461.1 461.1	460.0 460.0	1.115 0.978	1.089 0.952	1.117 0.982	739 629	1675 1697	37.22 31.31	0.742 0.632	74.9 75.0	83.7 81.3
	458.9	461.2	460.0	0.859	0.834	0.865	529	1717	25.51	0.521	73.6	77.8
	458.9	461.1	460.0	0.733	0.711	0.742	423	1737	20.17	0.417	73.5	72.9
	458.8	461.2	459.9	0.633	0.613	0.645	320	1757	14.28	0.299	69.6	63.8
	458.8 458.8	461.2 461.1	460.0 460.0	0.536 0.471	0.521 0.461	0.551 0.486	207 100	1775 1794	7.58 1.01	0.160 0.022	57.6 16.1	48.5 26.6
	458.8	461.1	460.1	0.460	0.450	0.474	71	1800	0.00	0.000	0.0	19.2
										Ī	RAWING NO.	PAGE 5 of 8
												3N350B

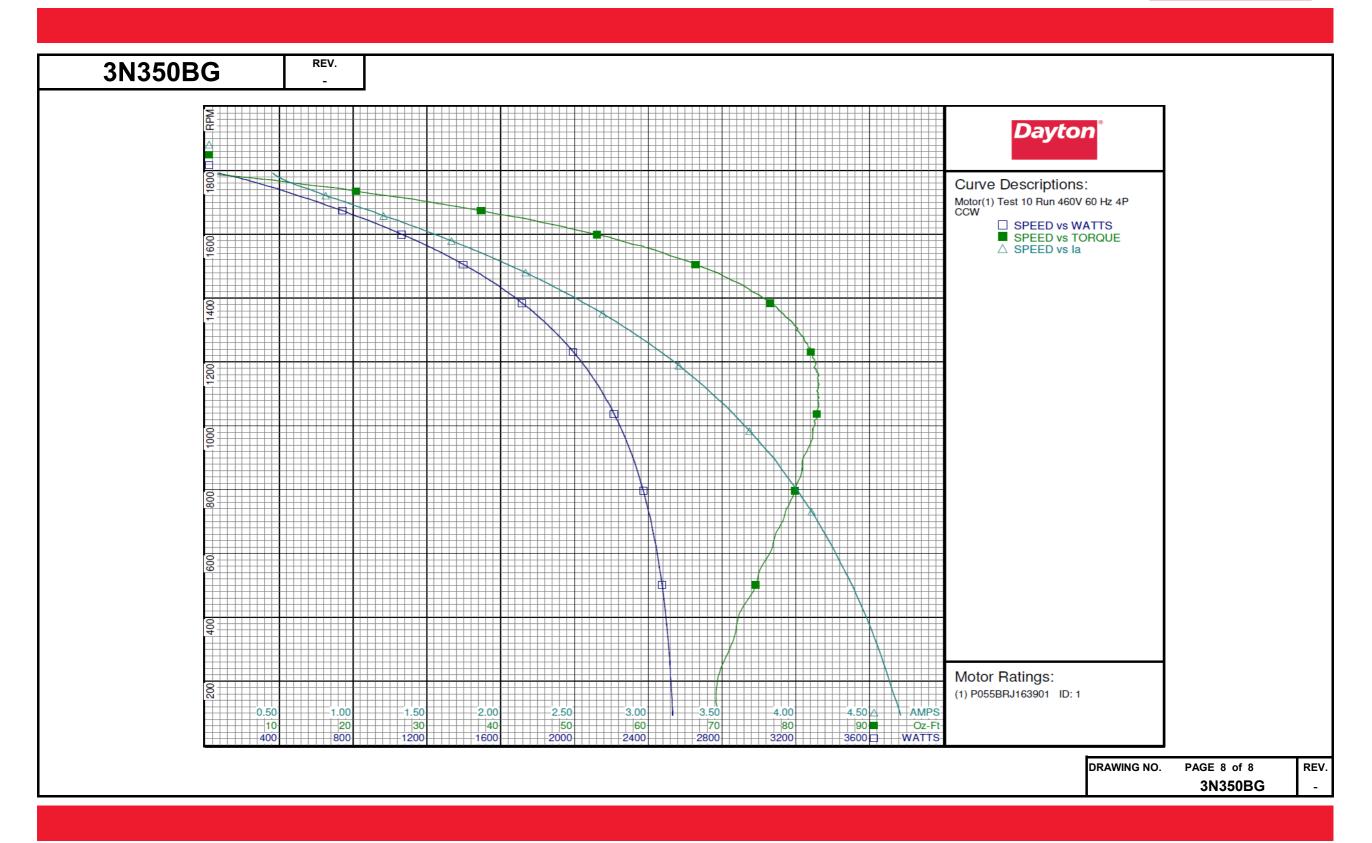






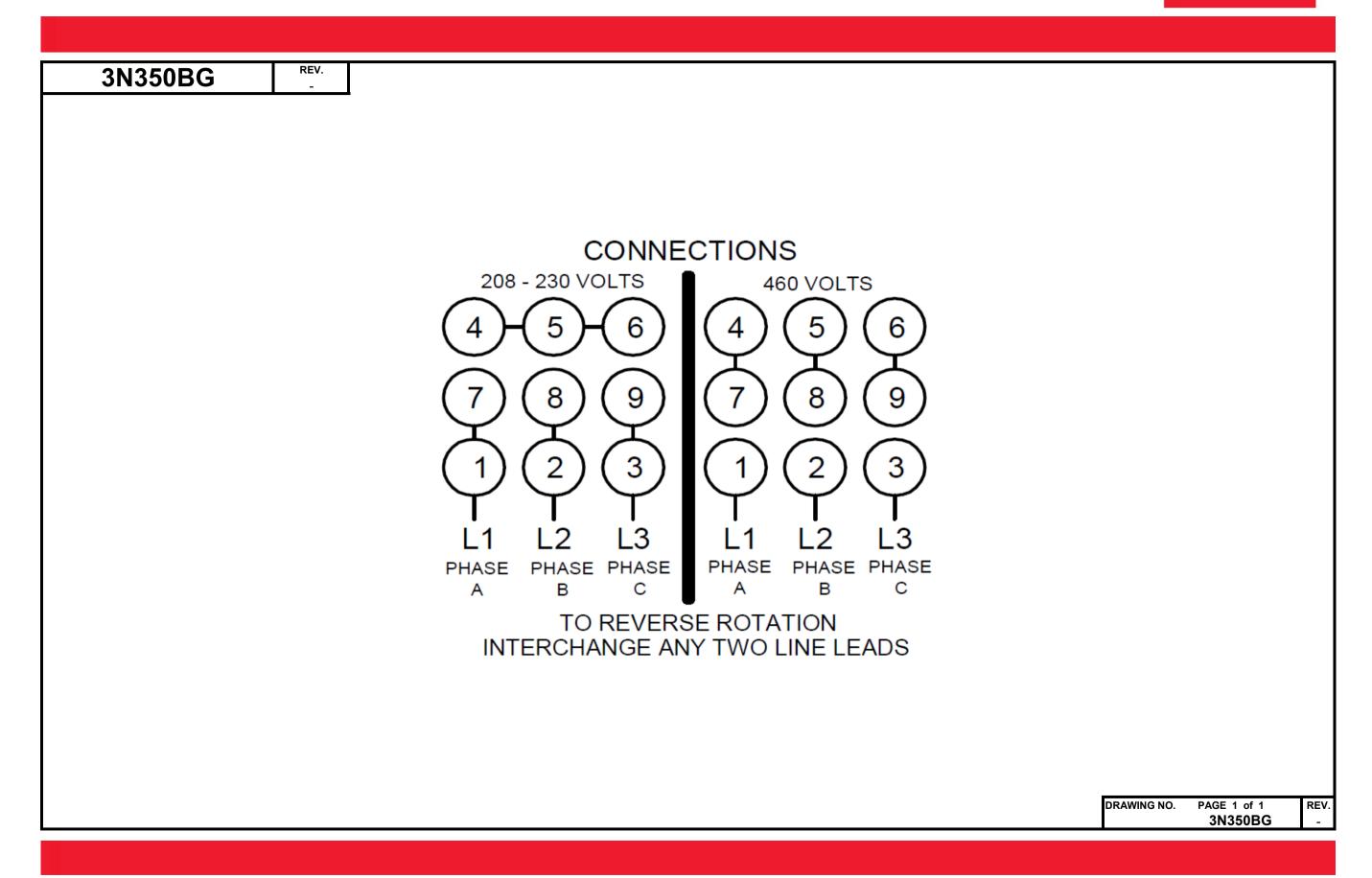
3N35	0BG	REV.											
					Dayt	on Ma	nufactu	ring Com	pany				
	Motor Des						<b>Test Con</b>	ditions					
	Model:	P055BRJ16390	01		Test Type:	Run		Run Car	):	0			
	Motor ID:	1			Test Number:	10		Start Ca	p:	0μfd			
	Poles:	4			Poles:	4		Environ	ment:				
	Volts:	208-230/460			Volts:	460		Tested:		6/15/2017 9:2	25:09 AM		
	Frequency:	60&50			Hz:	60		Tested I	By:	Sharp, Gerald			
	HP:	1/3			Rotation:	CCW		Gear Ra		1:1			
	Speed:	1725&1425			Special Cond:					-0.53 Oz-Ft			
	Phase:	3			Speed Conn:					-2.23 Oz-Ft			
	Protector:	NONE			TestBoard:	Amtps F	erformance		o rorque.	2.23 02 11			
Speci	al Points	Vab (V)	Vbc (V)	Vca (V)	Ia(A)	Ib(A)	Ic(A)	Watts	RPM	Tq(Oz-ft)	HP	Eff(%)	PF(%)
		459.4	460.6	460.0	0.457	0.448	0.468	66	1792	0.00	0.000	0.0	18.2
		459.4 459.4	460.6 460.6	460.0 460.0	0.520 0.625	0.508	0.529 0.631	203 327	1772 1752	7.59 14.55	0.160 0.304	58.9 69.3	49.0 66.0
16.2	OZ-FT	459.4	460.6	460.0	0.650	0.637	0.657	352	1749	16.20	0.337	71.5	68.1
0.33		459.4	460.6	460.0	0.645	0.631	0.651	346	1749	15.85	0.330	71.0	67.7
		459.3	460.7	460.0	0.748	0.732	0.753	438	1733	20.84	0.430	73.3	73.8
1725	RPM	459.3	460.7	460.0	0.792	0.777	0.798	477	1725	23.17	0.476	74.4	75.9
		459.3 459.3	460.6 460.7	460.0 460.0	0.866 1.002	0.849	0.869 1.004	544 651	1713 1691	27.13 32.73	0.553 0.659	75.8 75.5	79.3 82.1
		459.5	460.5	460.1	1.147	1.130	1.147	766	1669	38.34	0.762	74.2	84.2
		458.9	460.7	460.4	1.292	1.274	1.294	875	1645	44.15	0.864	73.7	85.4
		459.0	460.8	460.2	1.443	1.426	1.444	987	1619	49.05	0.945	71.5	86.1
		459.0 459.1	460.7 460.7	460.3 460.2	1.603 1.772	1.584 1.753	1.602 1.771	1100 1216	1591 1560	54.78 59.44	1.038	70.4 67.7	86.5 86.5
		459.1	460.7	460.3	1.942	1.922	1.939	1329	1527	63.78	1.159	65.1	86.2
		459.1	460.6	460.2	2.117	2.098	2.114	1442	1491	68.02	1.207	62.4	85.8
		459.1	460.7	460.2	2.296	2.277	2.293	1554	1451	71.82	1.241	59.6	85.2
		459.2 459.2	460.6 460.5	460.2 460.3	2.474 2.656	2.456	2.470 2.653	1662 1767	1408 1361	75.10 77.73	1.259	56.5 53.2	84.5 83.7
		459.3	460.5	460.3	2.836	2.821	2.833	1865	1301	80.07	1.248	49.9	82.7
		459.3	460.4	460.3	3.015	3.001	3.012	1959	1255	81.62	1.219	46.4	81.7
		459.3	460.4	460.3	3.191	3.176	3.189	2045	1195	82.72	1.176	42.9	80.6
BDT	OZ-FT	459.3	460.4	460.3	3.363	3.349	3.360	2124	1130	83.15	1.118	39.3	79.4
		459.3 459.3	460.4 460.4	460.3 460.3	3.363 3.530	3.349	3.360 3.525	2124 2195	1130 1059	83.15 83.09	1.118	39.3 35.6	79.4 78.2
		459.4	460.4	460.3	3.686	3.674	3.685	2258	983	82.31	0.964	31.8	77.0
		459.3	460.4	460.3	3.843	3.831	3.841	2315	902	81.04	0.870	28.0	75.7
		459.3	460.4	460.3	3.983	3.971	3.982	2364	815	80.09	0.777	24.5	74.6
		459.3 459.3	460.4 460.4	460.3 460.3	4.122 4.248	4.110 4.238	4.118 4.249	2407 2443	721 620	78.49 76.87	0.673 0.568	20.9 17.3	73.4 72.2
		459.3	460.3	460.4	4.368	4.358	4.368	2472	513	74.76	0.456	13.8	71.1
		459.3	460.4	460.3	4.479	4.469	4.478	2495	398	72.20	0.342	10.2	70.0
		459.4	460.4	460.3	4.579	4.572	4.577	2515	277	70.54	0.232	6.9	69.0
		459.3	460.4	460.3	4.672	4.656	4.674	2529	147	69.19	0.121	3.6	68.0
												DRAWING NO.	PAGE 7 of 8
													3N350B





# **Wiring Diagram**





# **Dayton**®

#### INDUSTRIAL MOTOR



Part 3N350BG

AMPS: 1.3-1.3/0.7 RPM: 1725&1425

PH: 3 HZ: 60&50

DUTY: CONT SF: 1.0

FR: 48 INS CL: B

KVA CODE: N **ENCL: TENV** 

AMB: 40 °C SFA: 1.3-1.3/0.7

MFG. NO. PROT. CODE: AVG. F.L. 72

MTR REF: P55BRJ-1639 50 HZ: 190/380V 1.3/0.7A





THERMALLY PROTECTED: NONE

Disconnect Power Before Making Any **Electrical Connections or Changes** 

#### CONNECTIONS

208 - 230 VOLTS PHASE PHASE PHASE

460 VOLTS PHASE

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

INTERCHANGE ANY TWO LINE LEADS Made in Mexico

TO REVERSE ROTATION