

Performance Data



6XJ26BE

REV.
-

MOTOR PERFORMANCE

HP:	3/4 1/5 HP							
Poles:	4P 6P	4P	6P					
No. of Speeds:	1							
Volts:	115	115	115					
HZ:	60	60	60					
Service Factor:	1.25							
Efficiency:	@ Rated Load	73.3	51.1					
Power Factor:	@ Rated Load	83.4	63.7					
Amps:	@ No Load							
	@ Rated Load	7.9	4.9					
	@ Service Factor	9.4	5.6					
	@ Locked Rotor	42.41	N/A					
RPM:	@ Rated Load							
Ambient (°C):	40							
Altitude (FASL):								
Torques:	Breakdown	82.74	33.11					
	Locked Rotor	81.99	N/A					
	Pull-Up	37.63	N/A					
	Rated Load							
	Service Factor							
Watts:	Rated Load							
KVA Code:								
Temperature Rise:	@ Rated Load	38.1	45.4					
	@ Service Factor	46.3	53.7					
Thermal Protector:	Trip Temp (°C)							
Winding Material:	Start (Auxiliary)	Cu	Cu					
	Run (Main)	Cu	Cu					
Capacitor(s):	Start (MFD / Volts)	216-260 MFD / 125 VAC						
	No. of Start Capacitors							
	Run (MFD / Volts)	25 MFD / 370 VAC						
	No. of Run Capacitors							
HP:								
Poles:								
Volts:								
HZ:								
Efficiency:	@ Rated Load							
Power Factor:	@ Rated Load							
Amps:	@ No Load							
	@ Rated Load							
	@ Service Factor							
	@ Locked Rotor							
Torques:	@ Rated Load							
	Locked Rotor							
	Pull-Up							
	Rated Load							
	Service Factor							
Watts:	@ Rated Load							
Temperature Rise:	@ Rated Load							
	@ Service Factor							

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Dayton Electric Mfg. Co. Lake Forest, IL 60045

Performance Data



6XJ26BE REV.
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Dayton Manufacturing Company

Motor Description

Model: T063CJB1984
 Motor ID: 1
 Poles: 4/6
 Volts: 115
 Frequency: 60
 HP: 3/4 / 1/4
 Speed: 1725/1140
 Phase: 1
 Protector: NONE

Test Conditions

Test Type: Start Run Cap: 0
 Test Number: 10 Start Cap: 0µfd
 Poles: 4
 Volts: 115 Tested: 3/3/2012 12:43:09 PM
 Hz: 60 Tested By: Sharp, Gerald
 Rotation:
 Special Cond: 2 Line Test Gear Ratio: 1:1
 Speed Conn: Bearing Friction: -0.73 Oz-Ft
 TestBoard: Amtps Performance Fixture #1 Windage Torque: -2.16 Oz-Ft

Special Points	Vline (V)	Iline (A)	Watts	RPM	Tq (Oz-ft)	HP	Eff (%)	PF (%)
	115.0	42.41	4039	8	81.99	0.008	0.1	82.8
	115.0	42.39	4041	55	84.72	0.055	1.0	82.9
	115.0	42.20	4028	212	85.35	0.216	4.0	83.0
	115.0	41.95	4021	356	86.84	0.368	6.8	83.4
	115.0	41.57	4001	488	88.34	0.513	9.6	83.7
	115.0	41.28	3987	610	91.16	0.662	12.4	84.0
	115.0	41.27	4016	724	96.54	0.832	15.5	84.6
	115.0	41.10	4045	828	102.62	1.012	18.7	85.6
	115.0	40.88	4071	923	107.75	1.185	21.7	86.6
PUT OZ-FT	115.0	34.21	2819	1000	37.63	0.448	11.9	71.6
	115.0	34.21	2819	1000	37.63	0.448	11.9	71.6
	115.0	33.43	2819	1085	50.52	0.652	17.3	73.3
	115.0	32.33	2783	1162	57.38	0.794	21.3	74.9
	115.0	31.11	2732	1231	63.27	0.927	25.3	76.4
	115.0	29.78	2666	1294	68.57	1.056	29.6	77.8
	115.0	28.39	2592	1352	72.82	1.172	33.7	79.4
	115.0	26.90	2502	1403	76.50	1.278	38.1	80.9
	115.0	25.34	2398	1450	78.63	1.357	42.2	82.3
	115.0	23.72	2281	1493	80.21	1.426	46.6	83.6
	115.0	21.99	2148	1533	80.62	1.471	51.1	85.0
	115.0	20.39	2017	1566	79.35	1.479	54.7	86.0
	115.0	18.64	1865	1598	76.35	1.453	58.1	87.0
	115.0	16.86	1703	1626	72.90	1.411	61.8	87.9
	115.0	15.12	1536	1653	68.84	1.355	65.8	88.3
	115.0	13.35	1357	1678	61.71	1.233	67.7	88.4
	115.0	11.64	1176	1700	55.25	1.118	70.9	87.9
	115.0	9.73	957	1724	44.87	0.921	71.8	85.5
	115.0	8.14	762	1744	34.84	0.723	70.8	81.4
	115.0	6.70	553	1764	23.59	0.495	66.9	71.7
	115.0	5.72	338	1784	9.91	0.210	46.4	51.4
	115.0	5.58	178	1799	0.00	0.000	0.0	27.8

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Curve Descriptions:
 Motor(1) Test 10 Start 115V 60 Hz 4P
 2 Line Test Attempt #1
 □ SPEED vs WATTS
 ■ SPEED vs TORQUE
 △ SPEED vs ILine

Motor Ratings:
 (1) T063CJB1984 ID: 1

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

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Performance Data



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Dayton Manufacturing Company

Motor Description

Model: T063CJB1984
 Motor ID: 1
 Poles: 4/6
 Volts: 115
 Frequency: 60
 HP: 3/4 / 1/4
 Speed: 1725/1140
 Phase: 1
 Protector: NONE

Test Conditions

Test Type: Run
 Test Number: 4
 Poles: 4
 Volts: 115
 Hz: 60
 Rotation:
 Special Cond:
 Speed Conn:
 TestBoard: Amtps Performance Fixture #1

Run Cap: 0
 Start Cap: 0µfd
 Tested: 3/3/2012 12:35:29 PM
 Tested By: Sharp, Gerald
 Gear Ratio: 1:1
 Bearing Friction: -0.67 Oz-Ft
 Windage Torque: -1.82 Oz-Ft

Special Points	Vline (V)	Vaux (V)	Vcap (V)	Iline (A)	Imain (A)	Iaux (A)	Watts	RPM	Tq(Oz-ft)	HP	Eff (%)	PF (%)	Cap
	115.0	182.4	222.2	5.12	6.09	2.142	168	1791	0.00	0.000	0.0	28.5	25.6
	115.0	177.6	213.2	5.52	5.73	2.064	387	1772	14.34	0.303	58.4	60.9	25.7
	115.0	171.9	203.4	6.82	6.45	1.980	612	1753	27.86	0.581	70.8	78.0	25.8
0.75 HP	115.0	167.4	196.7	7.96	7.38	1.917	764	1739	36.22	0.750	73.3	83.4	25.9
36.4 OZ-FT	115.0	167.3	196.5	7.99	7.40	1.916	768	1739	36.40	0.754	73.2	83.5	25.9
	115.0	165.9	194.5	8.38	7.75	1.896	818	1734	38.96	0.804	73.4	84.8	25.9
1725 RPM	115.0	163.3	190.4	9.20	8.49	1.858	917	1725	44.23	0.908	73.9	86.7	25.9
45.5 OZ-FT	115.0	162.5	189.3	9.40	8.68	1.848	941	1723	45.50	0.933	74.0	87.0	25.9
	115.0	159.7	185.5	10.17	9.41	1.812	1029	1714	49.85	1.017	73.8	88.0	25.9
	115.0	153.1	177.3	11.95	11.15	1.730	1223	1692	57.99	1.168	71.2	89.0	25.9
	115.0	146.1	168.5	13.82	13.04	1.648	1418	1669	65.23	1.296	68.2	89.2	25.9
	115.0	139.0	160.3	15.60	14.87	1.573	1595	1645	71.79	1.406	65.8	88.9	26.0
	115.0	131.7	152.4	17.37	16.70	1.497	1760	1619	75.58	1.457	61.7	88.1	26.1
	115.0	124.6	144.8	19.08	18.49	1.426	1916	1590	79.50	1.505	58.6	87.3	26.1
	115.0	117.1	137.4	20.80	20.28	1.358	2063	1560	81.82	1.519	54.9	86.3	26.2
	115.0	109.7	130.8	22.45	22.02	1.293	2194	1526	81.86	1.487	50.5	85.0	26.2
BDT OZ-FT	115.0	107.4	128.9	22.93	22.52	1.275	2233	1514	82.74	1.492	49.8	84.7	26.2
	115.0	102.3	124.8	24.03	23.68	1.236	2311	1489	81.36	1.442	46.6	83.6	26.3
	115.0	95.1	119.5	25.55	25.30	1.187	2421	1450	80.12	1.383	42.6	82.4	26.3
	115.0	87.9	115.0	27.00	26.83	1.142	2512	1407	77.95	1.305	38.8	80.9	26.3
	115.0	81.1	111.2	28.34	28.25	1.104	2593	1360	74.51	1.206	34.7	79.5	26.3
	115.0	74.3	108.3	29.62	29.61	1.074	2663	1309	70.50	1.098	30.8	78.2	26.3
	115.0	67.8	106.1	30.80	30.86	1.052	2720	1254	65.69	0.981	26.9	76.8	26.3
	115.0	61.6	104.8	31.90	32.04	1.032	2767	1195	60.51	0.860	23.2	75.4	26.1
	115.0	55.8	103.9	32.90	33.10	1.027	2809	1130	55.02	0.740	19.7	74.2	26.2
	115.0	50.0	103.8	33.81	34.09	1.021	2836	1060	48.95	0.618	16.3	72.9	26.1
	115.0	44.7	104.1	34.65	34.98	1.022	2859	986	42.57	0.500	13.0	71.8	26.0
	115.0	39.6	104.4	35.39	35.78	1.020	2873	905	35.83	0.386	10.0	70.6	25.9
	115.0	34.5	105.1	36.07	36.52	1.024	2882	818	28.76	0.280	7.2	69.5	25.9
	115.0	29.5	105.6	36.62	37.12	1.023	2874	725	21.77	0.188	4.9	68.2	25.7
	115.0	24.3	106.5	36.94	37.49	1.022	2859	626	17.63	0.131	3.4	67.3	25.5
	115.0	19.8	110.1	37.00	37.61	1.058	2858	521	19.11	0.119	3.1	67.2	25.5
	115.0	17.8	113.6	37.22	37.86	1.090	2881	408	17.69	0.086	2.2	67.3	25.5
	115.0	16.3	115.4	37.49	38.15	1.104	2893	287	14.26	0.049	1.3	67.1	25.4
	115.0	13.2	117.3	37.69	38.39	1.120	2900	159	8.59	0.016	0.4	66.9	25.3

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Performance Data



6XJ26BE		REV.	Dayton Manufacturing Company						
Motor Description				Test Conditions					
Model:	T063CJB1984	Test Type:	Run	Run Cap:	0				
Motor ID:	1	Test Number:	12	Start Cap:	0µfd				
Poles:	4/6	Poles:	6	Tested:	3/3/2012 12:32:17 PM				
Volts:	115	Volts:	115	Tested By:	Sharp, Gerald				
Frequency:	60	Hz:	60	Gear Ratio:	1:1				
HP:	3/4 / 1/4	Rotation:		Bearing Friction:	-0.71 Oz-Ft				
Speed:	1725/1140	Special Cond:		Windage Torque:	-1.50 Oz-Ft				
Phase:	1	Speed Conn:		TestBoard:	Amps Performance Fixture #1				
Protector:	NONE								
Special Points	Vline (V)	Iline (A)	Watts	RPM	Tq (Oz-ft)	HP	Eff (%)	PF (%)	
	115.0	3.96	124	1190	0.00	0.000	0.0	27.3	
	115.0	4.08	193	1178	5.90	0.083	32.0	41.1	
	115.0	4.34	259	1166	11.10	0.154	44.4	51.8	
	115.0	4.75	332	1151	16.38	0.224	50.5	60.7	
18 OZ-FT	115.0	4.94	360	1145	18.00	0.245	50.9	63.3	
0.25 HP	115.0	4.98	365	1144	18.36	0.250	51.1	63.8	
1140 RPM	115.0	5.09	382	1140	19.47	0.264	51.6	65.2	
	115.0	5.18	395	1137	20.28	0.274	51.8	66.3	
23.25 OZ-FT	115.0	5.62	450	1124	23.25	0.311	51.5	69.7	
	115.0	5.67	456	1123	23.58	0.315	51.5	70.0	
	115.0	6.18	517	1107	26.63	0.351	50.6	72.8	
	115.0	6.70	574	1091	28.66	0.372	48.4	74.5	
	115.0	7.25	631	1073	30.72	0.393	46.4	75.7	
	115.0	7.80	685	1054	31.90	0.400	43.6	76.3	
	115.0	8.34	736	1033	32.95	0.405	41.1	76.7	
BDT OZ-FT	115.0	8.78	775	1015	33.11	0.400	38.5	76.7	
	115.0	8.89	782	1010	33.03	0.397	37.9	76.5	
	115.0	9.41	825	986	32.85	0.386	34.9	76.2	
	115.0	9.91	867	959	32.12	0.367	31.6	76.1	
	115.0	10.39	902	930	30.94	0.342	28.3	75.4	
	115.0	10.86	934	898	29.69	0.317	25.4	74.8	
	115.0	11.28	960	863	27.86	0.286	22.2	74.0	
	115.0	11.69	987	826	25.94	0.255	19.3	73.4	
	115.0	12.06	1005	785	23.82	0.223	16.5	72.5	
	115.0	12.39	1024	741	21.34	0.188	13.7	71.8	
	115.0	12.71	1039	694	18.99	0.157	11.3	71.1	
	115.0	12.98	1052	643	16.67	0.128	9.0	70.4	
	115.0	9.19	615	588	10.56	0.074	9.0	58.1	
	115.0	35.29	3094	536	61.02	0.390	9.4	76.2	
	115.0	40.76	3906	477	84.47	0.479	9.2	83.3	
	115.0	41.50	3981	407	85.10	0.412	7.7	83.4	
	115.0	41.67	3988	333	86.55	0.343	6.4	83.2	
	115.0	41.86	4000	254	85.67	0.259	4.8	83.1	
	115.0	41.99	4007	171	84.04	0.171	3.2	83.0	

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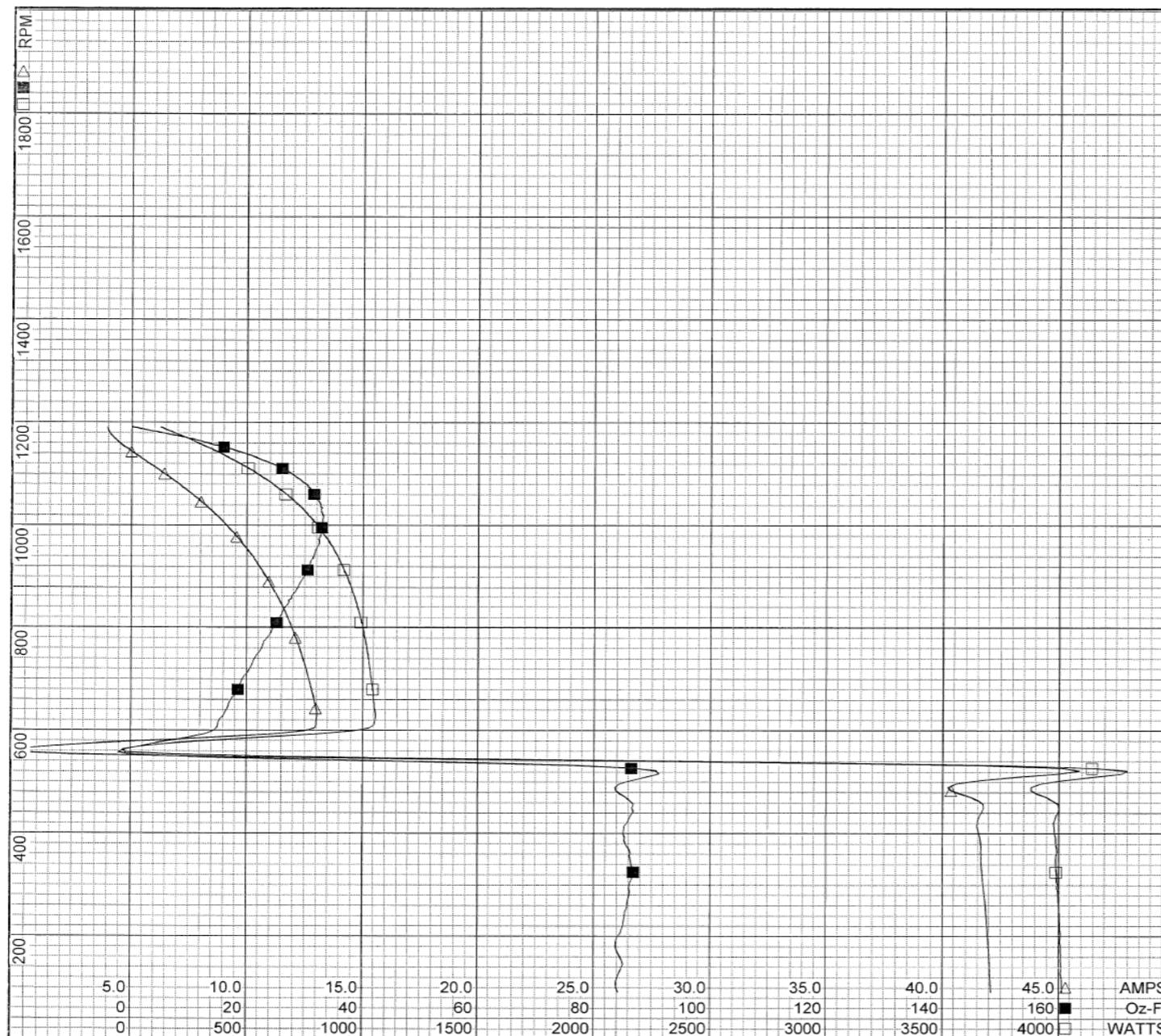
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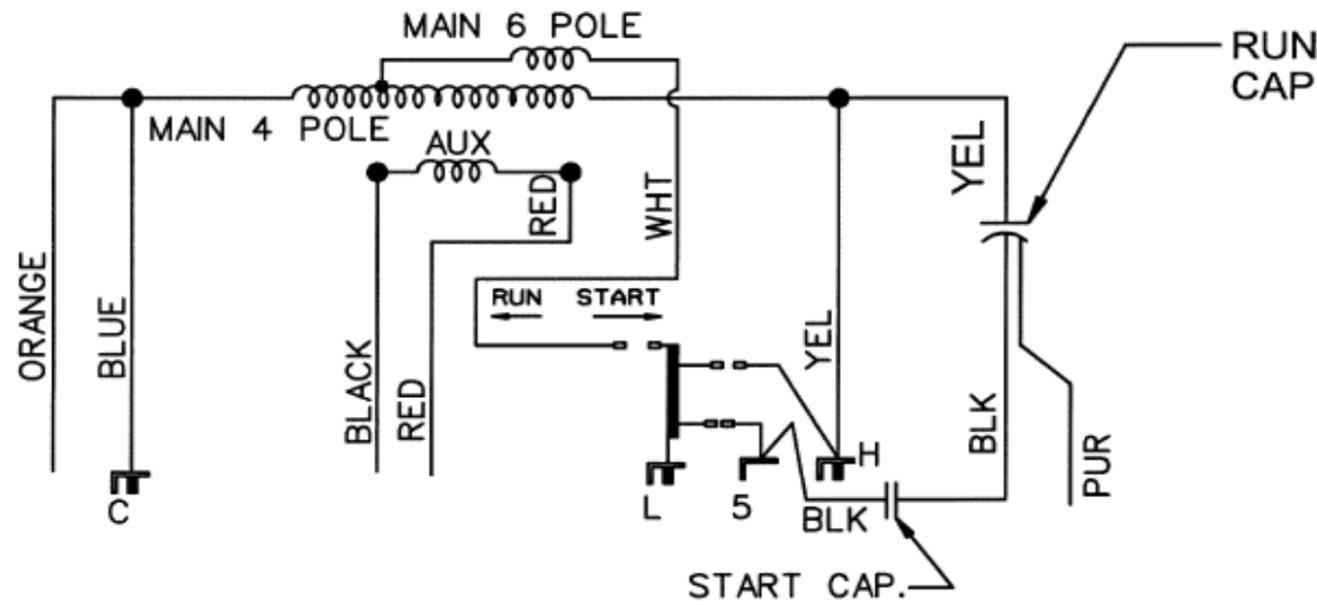
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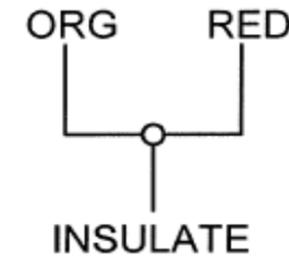
Wiring Diagram



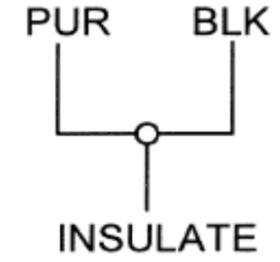
6XJ26BE REV. -



C.C.W. ROTATION AT LEAD END



HI SPEED
C-LINE 1
H-LINE 2

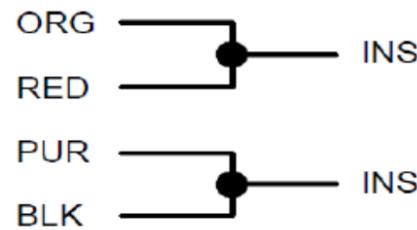
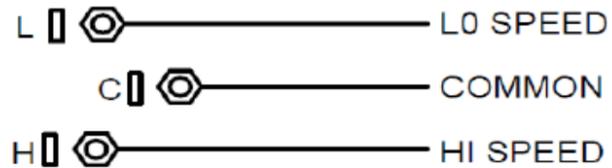


LOW SPEED
C-LINE 1
L-LINE 2

TO REVERSE ROTATION,
INTERCHANGE RED & BLACK

NOTE: LEADS TO BE INSULATED
WITH WIRE NUTS

CONNECTIONS



TO REVERSE ROTATION
INTERCHANGE RED AND BLK LEADS

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6XJ26BE -

Dayton[®]Part No **6XJ26BE****INDUSTRIAL
MOTOR****HP:** 3/4 / 1/4**PH:** 1**VOLTS:** 115**HZ:** 60**AMPS:** 7.9 / 4.9**FR:** 56**RPM:** 1725/1140**INS CL:** B**DUTY:** CONT**AMB:** 40 °C**SF:** 1.25**SFA:** 9.4 / 5.6**KVA CODE :** H**ENCL:** ODP**MTR REF:** T63CJB-1984**THERMALLY PROTECTED:** NONEPROT. CODE MFG. NO. 

258501



E47479

Disconnect Power Before Making
Any Electrical Connections or Changes**CONNECTIONS**L  L0 SPEEDC  COMMONH  HI SPEEDORG  INSRED  INSPUR  INSBLK  INSTO REVERSE ROTATION
INTERCHANGE RED AND BLK LEADS

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

Made in Mexico