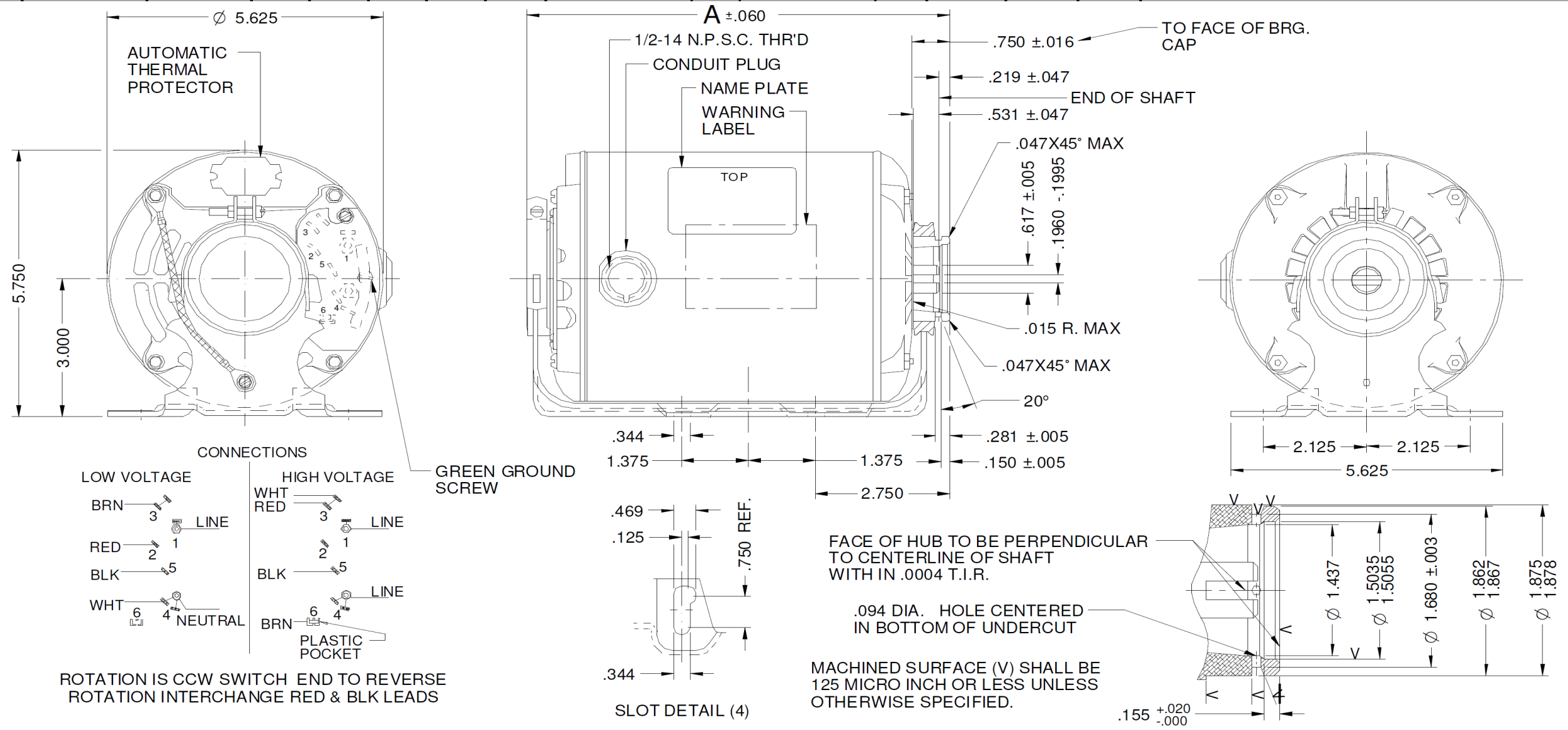


# Dimensional Drawing



<b>484H34A</b>		REV.
		-

VAR	MODEL	CUST. PT. NO.	A	B	C	D	HP	VOLTS	SF	AMPS	HZ	RPM	CONN VOLTS	PROT.	DESCRIPTION / REMARKS
001	S55CXPNE-8567	484H34A	9.693	-----	-----	-----	3/4	115/230	1.0	9.1/4.6 & 10.0/5.0	60&50	1725&1425	---	AUTO	48 YZ, ODP, BALL BEARING



DRAWING NO.	PAGE 1 of 1	REV.
484H34A		-

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

# Performance Data



**484H34A**

REV.

-

## SPLIT-PHASE & CAPACITOR START MOTOR PERFORMANCE

<b>HP:</b>	3/4				
<b>Poles:</b>	4				
<b>Ambient (°C)</b>	40				
<b>Altitude (FASL):</b>					
<b>No. of Speeds:</b>	Note - if two-speed, complete lower portion of form for low speed.				
<b>Volts:</b>	115/230	<b>115</b>	<b>230</b>	<b>115</b>	<b>230</b>
<b>HZ:</b>	60/50	<b>60</b>	<b>60</b>	<b>50</b>	<b>50</b>
<b>Service Factor:</b>	1				
<b>Efficiency:</b>	@ Rated Load	71.4	72	69.6	70.5
<b>Power Factor:</b>	@ Rated Load	74.8	73.5	70	68.9
<b>Amps:</b>	@ No Load	5.047	2.528	6.786	3.435
	@ Rated Load	9.11	4.6	10	5.01
	@ Service Factor	-	-	-	-
	@ Locked Rotor	51.05	24.32	53.88	26.4
<b>RPM:</b>	@ Rated Load	1725	1714	1430	1429
<b>Torques:</b> <b>Oz.Ft. / Lb.In.</b> <small>(Circle One)</small>	Breakdown	68.36	69.16	93.51	94.01
	Locked Rotor	37.58	35.12	51.94	46.71
	Pull-Up	34.03	32.77	35.2	44.62
	Rated Load	36.75	36.77	44.07	44.09
	Service Factor	-	-	-	-
<b>Watts:</b>	@ Rated Load	784	777	804	793
<b>KVA Code:</b>					
<b>Temperature Rise:</b>	@ Rated Load	53	50.5	72.5	72.4
	@ Service Factor	-	-	-	-
<b>Thermal Protector:</b>	Trip Temp (°C)	124.9	136.8	124.4	137.9
<b>Winding Material:</b>	Start (Auxiliary)	Cu			
	Run (Main)	Cu			
<b>Capacitor(s):</b>	Start (MFD / Volts)	N/A			
	No. of Start Capacitors	N/A			
	Run (MFD / Volts)	N/A			
	No. of Run Capacitors	N/A			

### LOW SPEED PERFORMANCE DATA:

<b>HP:</b>					
<b>Poles:</b>					
<b>Volts:</b>		<b>115</b>	<b>230</b>	<b>115</b>	<b>230</b>
<b>HZ:</b>		<b>60</b>	<b>60</b>	<b>50</b>	<b>50</b>
<b>Efficiency:</b>	@ Rated Load	-	-	-	-
<b>Power Factor:</b>	@ Rated Load	-	-	-	-
<b>Amps:</b>	@ No Load	-	-	-	-
	@ Rated Load	-	-	-	-
	@ Service Factor	-	-	-	-
	@ Locked Rotor	-	-	-	-
<b>Torques:</b> <b>Oz.Ft. / Lb.In.</b> <small>(Circle One)</small>	Breakdown	-	-	-	-
	Locked Rotor	-	-	-	-
	Pull-Up	-	-	-	-
	Rated Load	-	-	-	-
	Service Factor	-	-	-	-
<b>Watts:</b>	@ Rated Load	-	-	-	-
<b>Temperature Rise:</b>	@ Rated Load	-	-	-	-
	@ Service Factor	-	-	-	-

DRAWING NO. PAGE 1 of 1  
484H34A

REV.  
-

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

# Performance Data



**484H34A**

REV.

-

## Dayton Manufacturing Company

### Motor Description

Model: S055CXPNE856701 484H34  
 Motor ID: 1 of 1  
 Poles: 4  
 Volts: 115/230  
 Frequency: 60&50  
 HP: 3/4  
 Speed: 1725&1425  
 Phase: 1  
 Protector: CEJ66HO

### Test Conditions

Test Type: Start  
 Test Number: 3  
 Poles: 4  
 Volts: 115  
 Hz: 60  
 Rotation:  
 Special Cond:  
 Speed Conn:  
 TestBoard: CMD InLine Three Phase #2 Fixture #1  
 Run Cap: 0  
 Start Cap: 0µfd  
 Environment: 24.0 Deg C 44 % RH 962 hPa  
 Tested: 5/12/2017 2:17:33 PM  
 Tested By: Bribiesca, Griselda  
 Gear Ratio: 1:1  
 Bearing Friction: -5.81 Oz-Ft  
 Windage Torque: -6.39 Oz-Ft

Special Points	Vline (V)	Iline (A)	Watts	RPM	Tq (Oz-ft)	HP	Eff (%)	PF (%)
	115.0	51.05	4375	18	37.58	0.008	0.1	74.5
<b>PUT OZ-FT</b>	<b>115.0</b>	<b>50.66</b>	<b>4340</b>	<b>193</b>	<b>34.03</b>	<b>0.078</b>	<b>1.3</b>	<b>74.5</b>
	115.0	50.66	4340	193	34.03	0.078	1.3	74.5
	115.0	50.26	4318	341	37.54	0.152	2.6	74.7
	115.0	49.68	4285	483	42.86	0.246	4.3	75.0
	115.0	49.08	4257	621	47.61	0.352	6.2	75.4
	115.0	48.34	4221	743	52.38	0.464	8.2	75.9
	115.0	47.48	4173	847	56.62	0.571	10.2	76.4
	115.0	46.48	4116	956	61.08	0.695	12.6	77.0
	115.0	45.40	4051	1054	64.94	0.815	15.0	77.6
	115.0	44.18	3974	1145	68.19	0.930	17.5	78.2
	115.0	29.83	2440	1227	51.53	0.753	23.0	71.1
	115.0	26.14	2178	1301	55.76	0.864	29.6	72.4
	115.0	24.49	2088	1369	59.48	0.970	34.6	74.1
	115.0	22.76	1982	1431	61.94	1.055	39.7	75.7
	115.0	20.85	1851	1488	62.72	1.111	44.8	77.2
	115.0	18.84	1700	1538	62.00	1.135	49.8	78.5
	115.0	16.94	1545	1581	59.51	1.120	54.1	79.3
	115.0	14.93	1369	1620	55.17	1.064	58.0	79.7
	115.0	13.00	1187	1655	49.35	0.972	61.1	79.4
	115.0	11.22	1009	1683	42.81	0.858	63.4	78.2
	115.0	9.58	832	1709	34.33	0.699	62.6	75.5
	115.0	8.21	671	1730	25.49	0.525	58.4	71.1
	115.0	7.12	533	1747	16.75	0.348	48.7	65.1
	115.0	6.28	407	1762	9.68	0.203	37.2	56.5
	115.0	5.74	302	1774	4.82	0.102	25.2	45.8
	115.0	5.39	236	1782	0.00	0.000	0.0	38.1

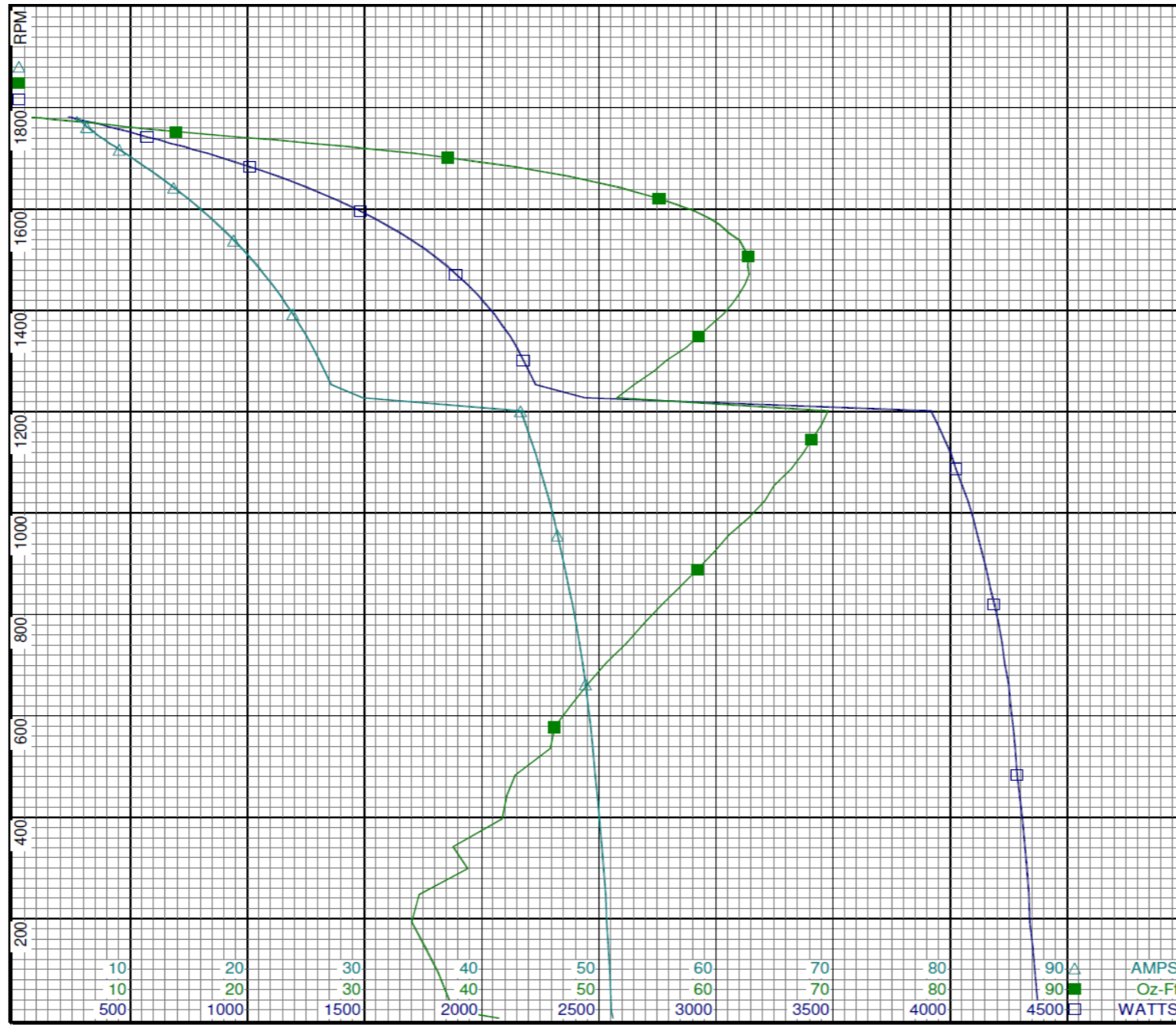
DRAWING NO. PAGE 1 of 8 REV.  
**484H34A** -

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

# Performance Data



**484H34A**      REV.  
-



**Curve Descriptions:**  
Motor(1) Test 3 Start 115V 60 Hz 4P

- SPEED vs WATTS
- SPEED vs TORQUE
- △ SPEED vs ILine

**Motor Ratings:**  
(1) S055CXPNE856701 484H34

DRAWING NO.	PAGE 2 of 8	REV.
484H34A		-

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

# Performance Data



<b>484H34A</b>	REV. -
----------------	-----------

## Dayton Manufacturing Company

### Motor Description

Model: S055CXPNE856701 484H34  
 Motor ID: 1 of 1  
 Poles: 4  
 Volts: 115/230  
 Frequency: 60&50  
 HP: 3/4  
 Speed: 1725&1425  
 Phase: 1  
 Protector: CEJ66HO

### Test Conditions

Test Type: Run  
 Test Number: 24  
 Poles: 4  
 Volts: 115  
 Hz: 60  
 Rotation:  
 Special Cond:  
 Speed Conn:  
 TestBoard: CMD InLine Three Phase #3 Fixture #1  
 Run Cap: 0  
 Start Cap: 0µfd  
 Environment: 23.4 Deg C 44 % RH 968 hPa  
 Tested: 10/13/2017 11:50:43 AM  
 Tested By: Bribiesca, Griselda  
 Gear Ratio: 1:1  
 Bearing Friction: -0.96 Oz-Ft  
 Windage Torque: -2.37 Oz-Ft

Special Points	Vline (V)	Vaux (V)	Iline (A)	Watts	RPM	Tq (Oz-ft)	HP	Eff (%)	PF (%)
	115.0	88.6	5.03	115	1792	0.00	0.000	0.0	19.9
	115.0	88.7	5.02	122	1787	0.46	0.010	6.0	21.2
	115.0	87.8	5.26	220	1781	6.93	0.147	49.9	36.4
	115.0	86.8	5.72	312	1771	12.09	0.255	61.0	47.4
	115.0	86.0	6.26	417	1759	17.87	0.374	67.0	57.9
	115.0	84.5	7.21	554	1743	25.27	0.524	70.6	66.9
	115.0	82.5	8.41	701	1725	32.73	0.672	71.5	72.5
<b>0.75 HP</b>	<b>115.0</b>	<b>81.3</b>	<b>9.11</b>	<b>784</b>	<b>1715</b>	<b>36.75</b>	<b>0.750</b>	<b>71.4</b>	<b>74.8</b>
<b>36.52 OZ-FT</b>	<b>115.0</b>	<b>81.4</b>	<b>9.06</b>	<b>778</b>	<b>1715</b>	<b>36.52</b>	<b>0.746</b>	<b>71.5</b>	<b>74.7</b>
	115.0	80.0	9.90	873	1703	40.58	0.823	70.3	76.7
	115.0	76.6	11.70	1063	1676	48.60	0.970	68.0	79.0
	115.0	73.0	13.54	1244	1644	55.73	1.091	65.4	79.9
	115.0	68.8	15.56	1429	1610	61.11	1.171	61.1	79.9
	115.0	64.2	17.60	1605	1569	65.31	1.220	56.7	79.3
	115.0	59.3	19.69	1769	1522	67.81	1.229	51.8	78.1
<b>BDT OZ-FT</b>	<b>115.0</b>	<b>56.0</b>	<b>20.99</b>	<b>1864</b>	<b>1487</b>	<b>68.36</b>	<b>1.210</b>	<b>48.4</b>	<b>77.2</b>
	115.0	54.6	21.57	1904	1471	68.29	1.196	46.9	76.8
	115.0	49.5	23.45	2028	1414	67.14	1.130	41.6	75.2
	115.0	44.6	25.24	2131	1346	64.37	1.032	36.1	73.4
	115.0	39.9	26.79	2210	1277	60.62	0.922	31.1	71.7
	115.0	35.3	28.24	2273	1201	55.65	0.796	26.1	70.0
	115.0	31.0	29.52	2321	1113	50.07	0.663	21.3	68.4
	115.0	26.8	30.64	2355	1020	43.75	0.531	16.8	66.8
	115.0	23.2	31.55	2377	924	37.54	0.413	13.0	65.5
	115.0	19.7	32.32	2403	819	32.48	0.317	9.8	64.7
	115.0	73.4	40.46	3201	696	35.10	0.291	6.8	68.8
	115.0	112.2	49.68	4323	578	53.79	0.370	6.4	75.7
	115.0	112.2	49.76	4313	437	50.36	0.262	4.5	75.4
	115.0	112.2	49.73	4296	292	44.96	0.156	2.7	75.1
	115.0	112.1	49.54	4272	138	41.02	0.067	1.2	75.0

DRAWING NO.	PAGE 3 of 8	REV.
<b>484H34A</b>		-

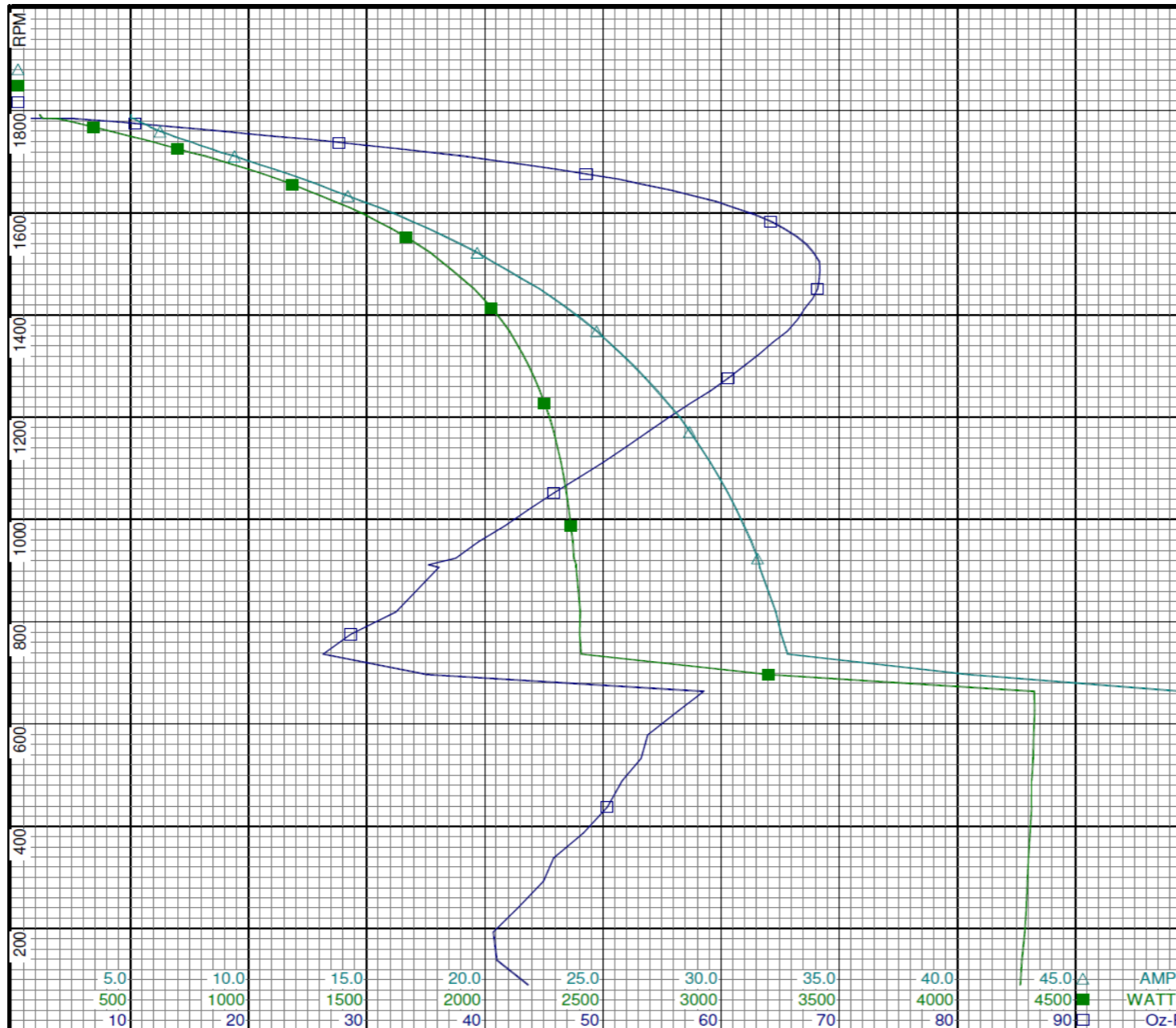
# Performance Data



484H34A

REV.

-



Curve Descriptions:

Motor(1) Test 24 Run 115V 60 Hz 4P

- SPEED vs TORQUE
- SPEED vs WATTS
- △ SPEED vs ILine

Motor Ratings:

(1) S055CXPNE856701 484H34

DRAWING NO.	PAGE 4 of 8	REV.
484H34A		-

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

# Performance Data



**484H34A**

REV.

-

## Dayton Manufacturing Company

### Motor Description

Model: S055CXPNE856701 484H34  
 Motor ID: 1 of 1  
 Poles: 4  
 Volts: 115/230  
 Frequency: 60&50  
 HP: 3/4  
 Speed: 1725&1425  
 Phase: 1  
 Protector: CEJ66HO

### Test Conditions

Test Type: Start  
 Test Number: 11  
 Poles: 4  
 Volts: 230  
 Hz: 60  
 Rotation:  
 Special Cond:  
 Speed Conn:  
 TestBoard: CMD InLine Three Phase #2 Fixture #1  
 Run Cap: 0  
 Start Cap: 0µfd  
 Environment: 23.1 Deg C 48 % RH 961 hPa  
 Tested: 5/11/2017 10:04:19 AM  
 Tested By: Bribiesca, Griselda  
 Gear Ratio: 1:1  
 Bearing Friction: -0.79 Oz-Ft  
 Windage Torque: -2.43 Oz-Ft

Special Points	Vline (V)	Vaux (V)	Vcap (V)	Iline (A)	Watts	RPM	Tq (Oz-ft)	HP	Eff (%)	PF (%)
	230.0	2.1	3.0	24.32	4066	18	35.12	0.008	0.1	72.7
PUT OZ-FT	<b>230.0</b>	<b>2.1</b>	<b>3.0</b>	<b>24.23</b>	<b>4046</b>	<b>136</b>	<b>32.77</b>	<b>0.053</b>	<b>1.0</b>	<b>72.6</b>
	230.0	2.1	3.0	24.18	4039	189	33.21	0.075	1.4	72.6
	230.0	2.1	3.0	24.04	4034	344	37.28	0.153	2.8	73.0
	230.0	2.1	3.1	23.78	4011	484	42.31	0.244	4.5	73.3
	230.0	2.1	3.1	23.53	3995	617	46.84	0.344	6.4	73.8
	230.0	2.1	3.1	23.17	3963	737	50.82	0.446	8.4	74.4
	230.0	2.1	3.1	22.76	3928	854	55.77	0.567	10.8	75.0
	230.0	2.1	3.1	22.29	3884	960	60.32	0.689	13.2	75.7
	230.0	2.1	3.1	21.78	3828	1055	63.76	0.801	15.6	76.4
	230.0	2.1	3.1	21.22	3766	1145	66.45	0.905	17.9	77.2
	230.0	2.1	3.1	20.57	3687	1229	68.53	1.003	20.3	77.9
	230.0	2.1	3.1	12.89	2170	1304	58.66	0.911	31.3	73.2
	230.0	2.1	3.1	12.08	2077	1370	61.87	1.009	36.3	74.8
	230.0	2.0	3.1	11.17	1961	1433	64.05	1.093	41.6	76.3
	230.0	2.0	3.1	10.22	1827	1488	64.58	1.144	46.7	77.7
	230.0	2.0	3.1	9.28	1682	1537	63.70	1.165	51.7	78.8
	230.0	2.0	3.2	8.26	1510	1582	60.74	1.144	56.5	79.5
	230.0	2.0	3.2	7.30	1340	1621	56.29	1.086	60.5	79.8
	230.0	1.9	3.2	6.38	1163	1654	51.08	1.006	64.5	79.3
	230.0	1.9	3.2	5.47	980	1684	44.14	0.885	67.4	77.9
	230.0	1.9	3.2	4.68	808	1709	36.57	0.744	68.7	75.0
	230.0	1.9	3.2	4.03	650	1730	29.30	0.603	69.3	70.2
	230.0	1.8	3.3	3.48	512	1748	22.47	0.468	68.2	63.8
	230.0	1.8	3.3	3.11	391	1762	16.36	0.343	65.5	54.7
	230.0	1.8	3.3	2.86	297	1773	10.91	0.230	57.9	45.1
	230.0	1.7	3.3	2.68	219	1782	5.75	0.122	41.6	35.4
	230.0	1.7	3.3	2.60	170	1789	3.36	0.072	31.4	28.4
	230.0	1.6	3.4	2.58	128	1794	0.66	0.014	8.2	21.6
	230.0	1.6	3.4	2.59	124	1796	0.00	0.000	0.0	20.8

DRAWING NO. PAGE 5 of 8 REV.  
**484H34A** -

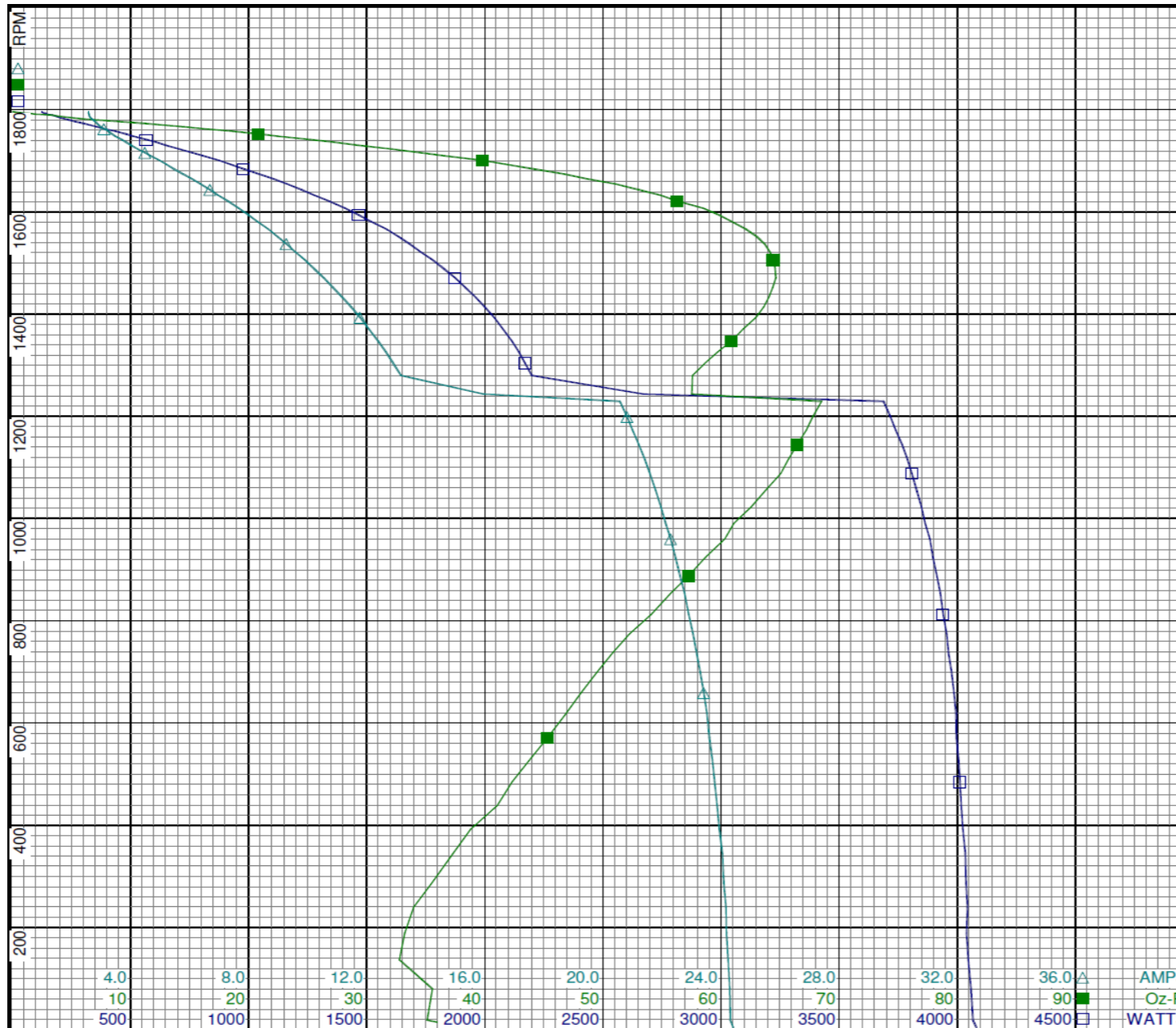
# Performance Data



484H34A

REV.

-



**Curve Descriptions:**

Motor(1) Test 11 Start 230V 60 Hz 4P

- SPEED vs WATTS
- SPEED vs TORQUE
- △ SPEED vs ILine

**Motor Ratings:**

(1) S055CXPNE856701 484H34

DRAWING NO.	PAGE 6 of 8	REV.
484H34A		-

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





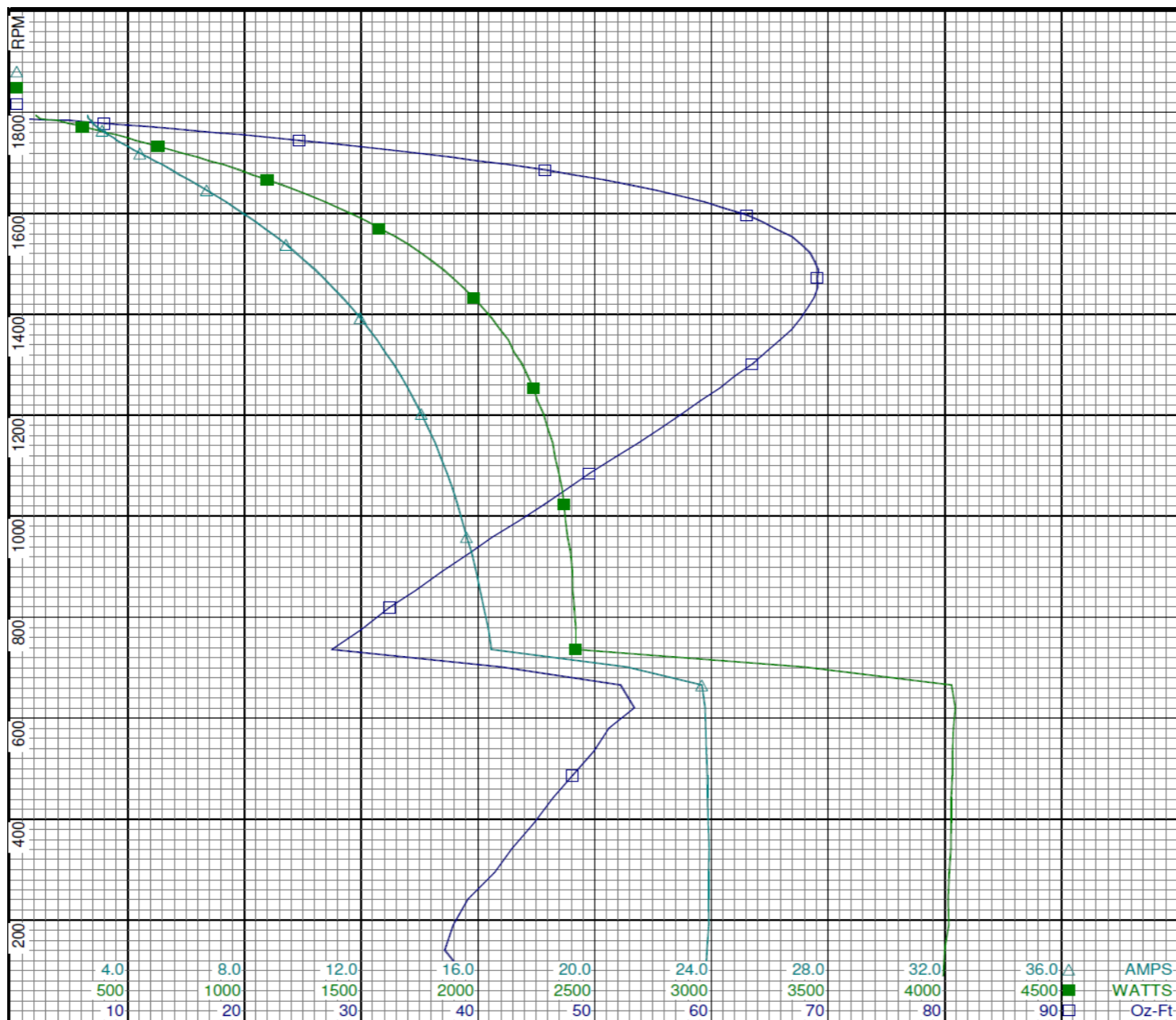
# Performance Data



484H34A

REV.

-



**Curve Descriptions:**

Motor(1) Test 26 Run 230V 60 Hz 4P

- SPEED vs TORQUE
- SPEED vs WATTS
- △ SPEED vs ILine

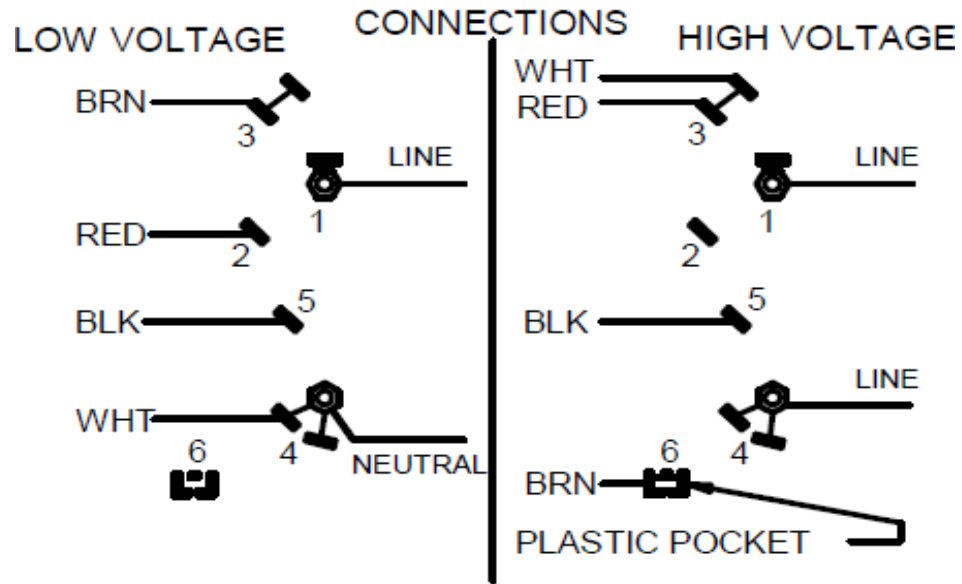
**Motor Ratings:**

(1) S055CXPNE856701 484H34

DRAWING NO.	PAGE 8 of 8	REV.
484H34A		-

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

484H34A	REV. -
---------	-----------

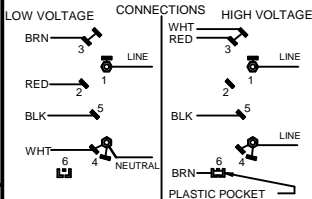


TO REVERSE ROTATION  
SWITCH RED & BLK LEADS

DRAWING NO.	PAGE 1 of 1	REV.
484H34A		-

**Dayton**<sup>®</sup>**CARBONATOR PUMP  
MOTOR****HP: 3/4****VOLTS: 115/230****AMPS: 9.1/4.6****RPM: 1725&1425****DUTY: CONT****SF: 1.0****KVA CODE: K****ENCL: ODP****THERMALLY PROTECTED: AUTO**MFG. NO. PROT. CODE: 

00G31

AVG. F.L.  
EFF.**MTR REF: S55CXPNE-8567****FOR 50 HZ FLA 10.0/5.0**Part  
No **484H34A****PH: 1****HZ: 60&50****FR: 48YZ****INS CL: B****AMB: 40 °C****SFA: 9.1/4.6****Disconnect Power Before Making  
Any Electrical Connections or Changes****CE**<sup>®</sup>  
US  
E37403**ROTATION IS CCW SWITCH END  
TO REVERSE ROTATION  
INTERCHANGE RED & BLK LEADS**

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

Made in Mexico