PRODUCT INFORMATION PACKET

Model No: 9434A
Catalog No: 9434A
Fan Coil & Air Conditioner Motor, 1/2,1/3,1/4 HP, 1 Ph, 60 Hz, 277 V, 1075 RPM, 3 Speed, 48 Frame, OAO

Nameplate Specifications

Output HP	1/2,1/3,1/4 Hp	Output KW	0.37 kW
Frequency	60 Hz	Voltage	277 V
Current	2.1,1.3,1.1 A	Speed	1075 rpm
Service Factor	1	Phase	1
Duty	Air Over	Insulation Class	B
Frame	F48Y	Enclosure	Open Air Over
Thermal Protection	Automatic	Ambient Temperature	60 °C
UL	Recognized	CSA	Y
CE	N	Number of Speeds	3

Technical Specifications

Electrical Type	Permanent Split Capacitor	Starting Method	Across The Line
Poles	6	Rotation	Reversible
Mounting	Flexible Arms	Motor Orientation	Any
Drive End Bearing	Sleeve	Opp Drive End Bearing	Sleeve
Frame Material	Rolled Steel	Shaft Type	Flat
Overall Length	10.99 in	Frame Length	4.88 in
Shaft Diameter	0.500 in	Shaft Extension	5.5 in
Outline Drawing	F48Y91A01	Connection Drawing	614131-351

REV	ECO	REV BY	DATE	APPD	DATE
F	NMR-0217134	TRSK	10/25/2022	KEP	10/25/2022

GENERAL INFORMATION:

SHAFT RUNOUT: .001 [.03] T.I.R. PER INCH LENGTH OF EXTENSION

BEARINGS: BALL

MOUNTING POSITION: ALL ANGLE

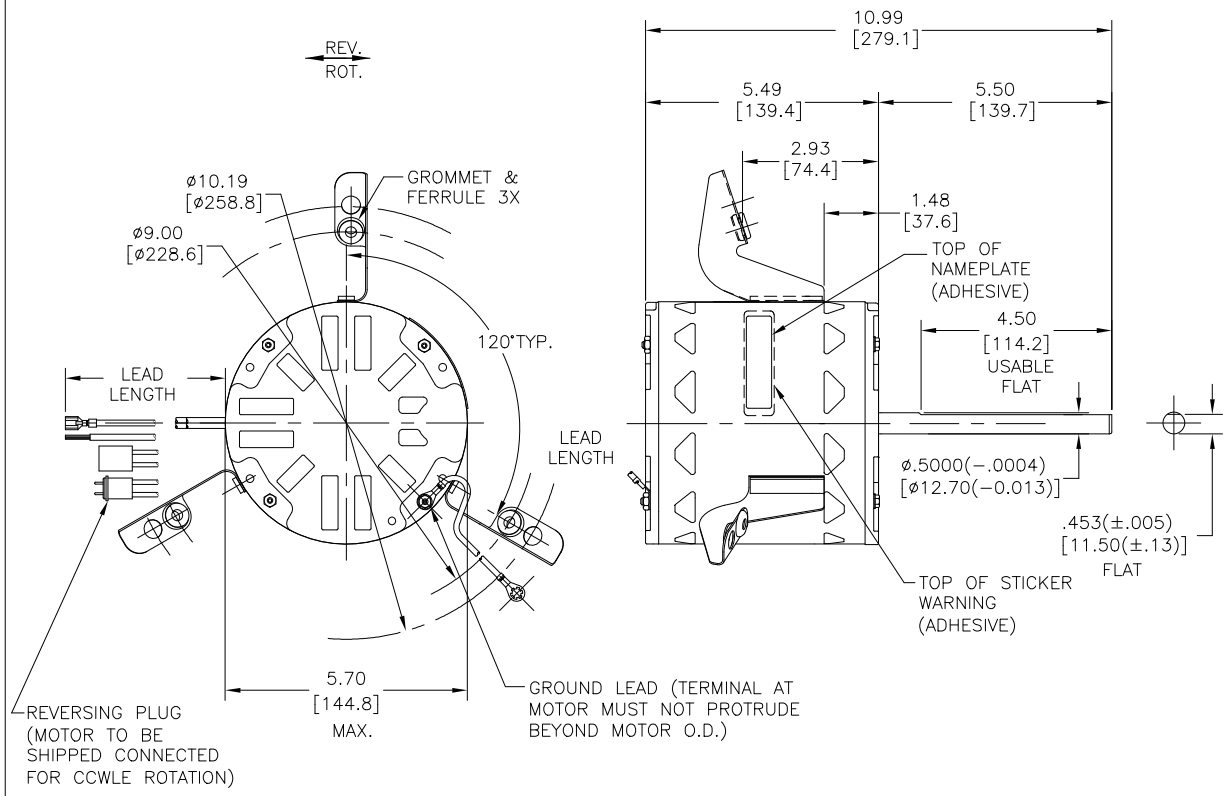
ELECTRICAL DATA:

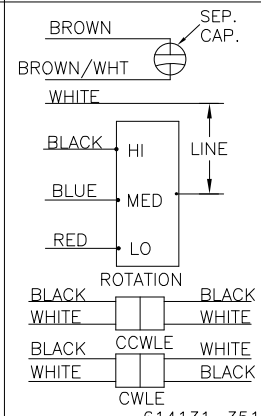
OVERLOAD PROTECTOR: AUTOMATIC RESET (T.I. 7AM 036)

LEADS: NO. 18 GA., .06 [1.5] THK. 105°C INSUL.

REVERSING LEADS: NO. 18 GA., .03 [0.8] THK., 125°C. PVC INSUL.

GROUND LEAD: NO. 18 GA., .03 [.8] THK. GREEN/YELLOW INSUL.



NAMEPLATE DATA:	EXTERNAL CONNECTION DIAGRAM
MODEL NO.: F48Y91A01 CUST. P/N: 9434A HP: 1/2,1/3,1/4 ROT.: REV. RPM: 1075/3SPD TYPE: UF FRAME: 48Y VOLTS: 277 PH: 1 AMPS: 2.1,1.3,1.1 HZ: 60 INS.: B AMB.: 60° C DUTY: AIR OVER CAP.: 7.5 MFD/370 V ENCL.: OPEN UL LOGO CSA LOGO THERMALLY PROTECTED	

614131-351

PERFORMANCE CURVE NO.	TORQUE @ 1075 RPM (25°C)	APPROVED SAMPLE	UL COMPONENT FILE #	UL COMPONENT CCN #	CSA FILE #	CSA CLASS #
C32666	40.8 OZ.FT	0603098A	E46412	PRGY2	LR43341	4211-01

COLOR	LENGTH	TERMINAL OR STRIP LENGTH
LEAD DATA		
GREEN/YE(GRD)	11.0/13.0 [279/330]	#10 EYELET
BLACK/WHITE	3.0/5.0 [76/127]	REVERSING PLUG
BROWN	24.0/26.0 [610/660]	.25[6.4] FEMALE SPADE
BROWN/WHITE	24.0/26.0 [610/660]	.25[6.4] FEMALE SPADE
RED	24.0/26.0 [610/660]	.50[12.7] / SKIN
BLUE	24.0/26.0 [610/660]	.50[12.7] / SKIN
BLACK	24.0/26.0 [610/660]	.50[12.7] / SKIN
WHITE	24.0/26.0 [610/660]	.50[12.7] / SKIN

ENCLOSURE	
MAIN FRAME – OLE	OPEN
END FRAME – OLE	OPEN
MAIN FRAME – LE	OPEN
END FRAME – LE	OPEN

CUSTOMER	DISTRIBUTION

GEOMETRIC CHARACTERISTICS & SYMBOLS
- ▱ FLATNESS
- — STRAIGHTNESS
- ∠ ANGULARITY
- ⊥ PERPENDICULARITY (SQUARENESS)
- // PARALLELISM
- ○ ROUNDNESS (CIRCULARITY)
- ⌭ CYLINDRICITY
- ⌓ PROFILE OF ANY SURFACE
- ⌒ PROFILE OF ANY LINE
- ↗ RUNOUT
- ⌖ TRUE POSITION
- ◎ CONCENTRICITY
- ≒ SYMMETRY

ASME Y14.5M 1994

REGAL–BELOIT CORPORATION (RBC) PROVIDES TECHNICAL ASSISTANCE TO OUR CUSTOMERS IN SEVERAL AREAS. SINCE RBC DOES NOT RECEIVE ALL DATA CONCERNING THE USE AND APPLICATION OF THE MOTOR, THE SUITABILITY OF THE MOTOR FOR THE APPLICATION MUST BE DETERMINED BY THE CUSTOMER.

DIMENSIONS WITHOUT TOLERANCES ARE FOR REFERENCE ONLY.

DR BY: MEIYU-HE 08-06-2007
APPD: . .
THIRD ANGLE PROJECTION
EDS DATE 02-22-2008
FORMAT REV G

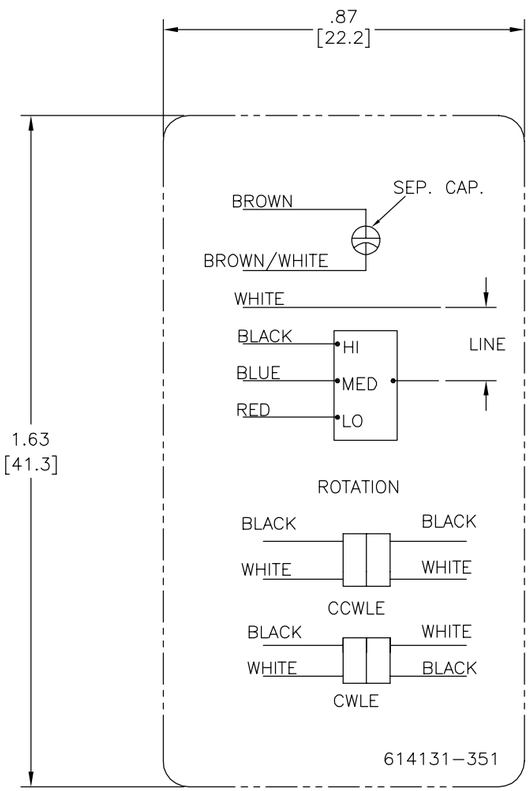
REGAL-BELOIT CORPORATION

DESCRIPTION: MODEL–RFHP–48FR OUTLINE

SIZE C | DWG NO F48Y91A01

SCALE NONE | SHEET 1

REV	ECO	REV BY	DATE	APPD	DATE
C	0027023	N.HONG	06-24-2012	B.SHEN	06-24-2012



NOTES:

1. FOR USE WITH 614129 OR 2513020-001 NAMEPLATE BLANKS;
2. ———— INDICATES DIMENSION LIMITS

GEOMETRIC CHARACTERISTICS & SYMBOLS
- ▱ FLATNESS
- — STRAIGHTNESS
- ∠ ANGULARITY
- ⊥ PERPENDICULARITY (SQUARENESS)
- // PARALLELISM
- ○ ROUNDNESS (CIRCULARITY)
- ⌭ CYLINDRICITY
- ⌓ PROFILE OF ANY SURFACE
- ⌒ PROFILE OF ANY LINE
- ↗ RUNOUT
- ⌖ TRUE POSITION
- ◎ CONCENTRICITY
- ⌯ SYMMETRY

ASME Y14.5M 1994

UNLESS OTHERWISE SPECIFIED
DIM. TOLERANCES ARE AS FOLLOWS:

	X	XX	XXX	XXXX
INCH	±.1	±.02	±.005	±.0005
mm	±0.5	±0.13	±0.013	

ANG. ±.50 DEG
REMOVE BURRS & BREAK SHARP EDGES:
INCH .003-.015 mm 0.1-0.4
CORNER FILLETS TO:
INCH .020 mm 0.5
MACHINE SURFACES:
INCH 125 mm 3.2
METRIC DIMS. SHOWN IN [BRACKETS]

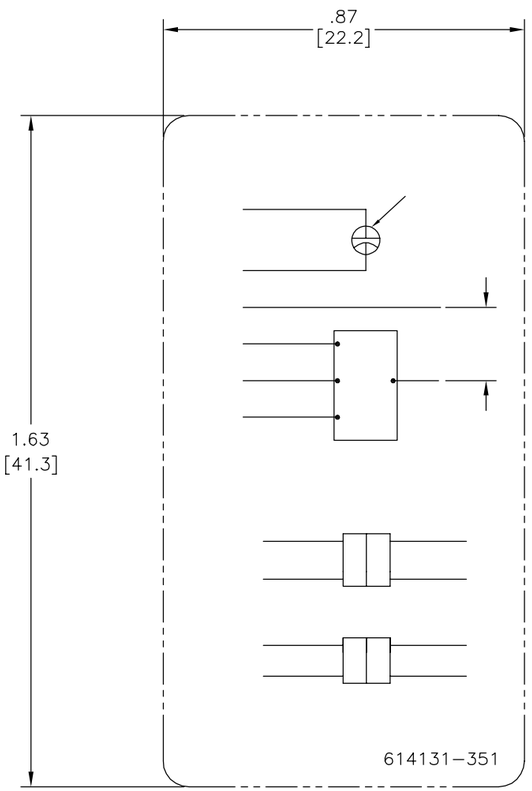
DR BY: YL	04-08-2011	
APPD: CZ	04-08-2011	
THIRD ANGLE PROJECTION	EDS DATE 11-11-2011	
	FORMAT REV H	

REGAL **REGAL-BELOIT CORPORATION**

DESCRIPTION
CONN DIAGRAM-NAMEPLATE

SIZE	DWG NO	
C	614131-351	
SCALE NONE		SHEET 1

REVISION:	ECO	REVISADO POR:	FECHA:	APROBADO POR:	FECHA:
C	0027023	N.HONG	06-24-2012	B.SHEN	06-24-2012



CARACTERISTICAS DE GEOMETRIA Y SIMBOLOS
- PLANICIDAD
- RECTITUD
- ANGULARIDAD
- PERPENDICULARIDAD (A ESCUADRA)
- PARALELISMO
- REDONDEZ (CIRCULARIDAD)
- CILINDRICIDAD
- PERFIL DE CUALQUIER SUPERFICIE
- PERFIL DE CUALQUIER LINEA
- VARIACION
- POSICION REAL
- CONCENTRICIDAD
- SIMETRIA

ASME Y14.5M 1994

A MENOS QUE SE ESPECIFIQUE DE OTRA MANERA, LAS TOLERANCIAS DE LAS DIMS; SON LAS SIGUIENTES:

	X	XX	XXX	XXXX
PULG	±.1	±.02	±.005	±.0005
mm	±0.5	±0.13	±0.013	

ANG. ±.50 GRADOS
ELIMINAR REBABAS Y ORILLAS FILOSAS DEL BORDE.
PULG .003-.015 mm 0.1-0.4
FILETEAR ESQUINA: PULG .020 mm 0.5
MAQUINAR SUPERFICIES
PULG 125 mm 3.2
DIMS METRICAS MOSTRADAS [PARENTESIS]

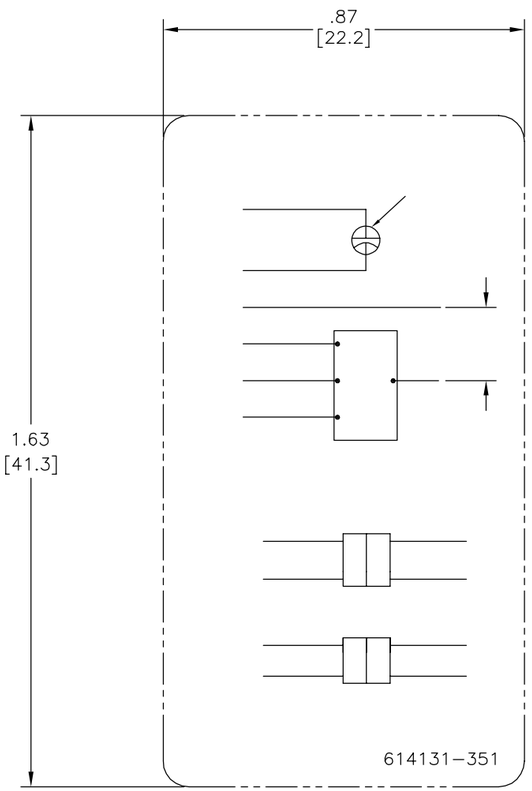
DIBUJADO POR: YL	04-08-2011
APROBADO POR: CZ	04-08-2011
TERCER ANGULO DE PROYECCION	FECHA EDS: 11-11-2011
	REV. FORMATO: H

REGAL **REGAL-BELOIT CORPORATION**

DESCRIPCION:
CONN DIAGRAM-NAMEPLATE

TAMAÑO: C	NUMERO DE DIBUJO: 614131-351
ESCALA: NONE	HOJA: 1

版本	ECO	编制	日期	批准	日期
C	0027023	N.HONG	06-24-2012	B.SHEN	06-24-2012



形位公差
- 平面度
- 直线度
- 倾斜度
- 垂直度
- 平行度
- 圆度
- 圆柱度
- 面轮廓度
- 线轮廓度
- 圆跳动
- 位置度
- 同轴度
- 对称度

ASME Y14.5M 1994

除另有注明
尺寸公差如下：

	X	XX	XXX	XXXX
英寸	±.1	±.02	±.005	±.0005
毫米	±0.5	±0.13	±0.013	

角度 ±.50 度
清理毛刺和尖棱
英寸 .003-.015 毫米 0.1-0.4
内圆角
英寸 .020 毫米 0.5
表面粗糙度
英制 125 米制 3.2
米制尺寸显示在[ ]

绘图: YL	04-08-2011	
批准: CZ	04-08-2011	
第三角投影	图纸格式发布日期	11-11-2011
	图纸格式版本	H

REGAL **REGAL-BELOIT CORPORATION**

名称 CONN DIAGRAM-NAMEPLATE

图幅 C | 图号 614131-351

比例 NONE | 页号 1

Performance Test Results For 0603098 (Medium Speed) 11-17-2006
06:40 pm

TRACKING #:	10053997	CUSTOMER:		DESCRIPTION:	230V 60HZ MTR#1 MED-SPD SYNC-0
SBU:	Heating & Air Cond	MODEL:	0603098T	TYPE:	PSC
ENGINEER:	DAVID CAO	FRAME:	48	BENCH:	2
TECHNICIAN:	SCOTT FEBO	PHASES:	1	HP:	0.50
TORQUE CELL:	350-2 inlb	VOLTS:	230.0	ROTATION:	CCW
NP RPM:	1075	HERTZ:	60	BDT:	20.88
# SPEEDS:	3	RUN CAP:	7.50	LRA:	2.30
MOTOR #:	1	COMMENT1:		LRT:	5.35
COMMENT 2:		COMMENT 3:		COMMENT 4:	

Resistance:

	Start	Main1	
	03-02	01-02	
Spec	10.00	0.00	
Before	44.314	23.917	@24.1 °C
After	44.565	24.081	@24.4 °C

Friction: 0.0081 ozft @ 200 RPM
Friction + Wind: -0.1942 ozft @ 1080 RPM
Inertia: 0.0254 ozft

Down Results (Torque In ozft):

% Load	Torque	RPM	VLine	VCap	VStart	ILine	IMain	IStart	WLine	WOut	% Eff	% PF	HP
NL	0.00	1191.9	230.0	284.6	201.9	0.25	0.61	0.81	55.7	0.0	0.0	96.9	0.00
NP+100	5.04	1175.0	229.9	271.7	196.5	0.40	0.52	0.78	92.0	52.6	57.1	100.0	0.07
NP+80	9.16	1155.0	229.6	257.7	189.8	0.57	0.50	0.73	129.6	93.9	72.4	99.0	0.13
NP+60	12.37	1135.0	229.4	245.3	183.2	0.71	0.57	0.70	163.0	124.6	76.4	100.0	0.17
NP-50*	13.70	1125.0	229.4	239.7	180.1	0.78	0.62	0.68	178.2	136.8	76.8	99.6	0.18
NP+40	14.85	1115.0	229.5	234.6	177.1	0.85	0.67	0.67	192.8	146.9	76.2	98.8	0.20
NP-25*	16.41	1100.0	229.8	227.7	172.6	0.94	0.77	0.65	213.3	160.2	75.1	98.7	0.21
NP+20	16.85	1095.0	229.9	225.5	171.2	0.97	0.80	0.64	219.7	163.7	74.5	98.5	0.22
NP	18.34	1075.0	230.2	217.1	165.2	1.08	0.93	0.62	243.8	175.0	71.8	98.1	0.23
NP-20	19.52	1055.0	230.6	210.0	159.5	1.18	1.05	0.60	264.8	182.7	69.0	97.3	0.25
NP+25*	19.75	1050.0	230.6	208.4	158.2	1.21	1.08	0.59	269.6	184.0	68.3	96.6	0.25
NP-40	20.26	1035.0	230.7	203.8	154.2	1.27	1.16	0.58	282.7	186.1	65.8	96.5	0.25
NP+50*	20.49	1025.0	230.6	200.9	151.6	1.32	1.21	0.57	290.5	186.4	64.2	95.4	0.25
NP-60	20.68	1015.0	230.5	198.2	149.0	1.36	1.27	0.57	297.9	186.3	62.5	95.0	0.25
NP-80	20.87	995.0	230.4	193.5	143.9	1.43	1.36	0.55	310.9	184.3	59.3	94.4	0.25
BDT	20.88	985.9	230.3	191.6	141.7	1.46	1.40	0.55	316.4	182.7	57.7	94.1	0.24
MT	20.88	985.9	230.3	191.6	141.7	1.46	1.40	0.55	316.4	182.7	57.7	94.1	0.24
NP-100	20.86	975.0	230.2	189.5	139.1	1.50	1.45	0.54	322.5	180.5	56.0	93.4	0.24
NP-200	19.46	875.0	229.9	177.5	118.3	1.77	1.82	0.51	362.7	151.1	41.7	89.1	0.20
NP-300	16.67	775.0	229.8	174.5	102.4	1.95	2.07	0.50	381.4	114.6	30.1	85.1	0.15
NP-400	14.08	675.0	230.3	175.4	90.5	2.07	2.25	0.50	394.0	84.3	21.4	82.6	0.11
HS	12.28	600.0	230.2	176.7	83.0	2.14	2.35	0.50	398.0	65.4	16.4	80.8	0.09
LR	5.35	0.0	230.7	195.5	45.8	2.30	2.65	0.55	405.1	0.0	0.0	76.3	0.00
PUT	5.35	0.0	230.7	195.5	45.8	2.30	2.65	0.55	405.1	0.0	0.0	76.3	0.00

LRA=LOCKED ROTOR AMPS BDT =BREAKDOWN TORQUE MT=MAX TORQUE
LRT=LOCKED ROTOR TORQUE NP RPM=NAMEPLATE RPM

Performance Test Results For 0603098 (High Speed) 11-17-2006 06:43 pm

TRACKING #:	10053997	CUSTOMER:		DESCRIPTION:	230V 60HZ MTR#1 HI-SPD SYNC-0
SBU:	Heating & Air Cond	MODEL:	0603098T	TYPE:	PSC
ENGINEER:	DAVID CAO	FRAME:	48	BENCH:	2
TECHNICIAN:	SCOTT FEBO	PHASES:	1	HP:	0.50
TORQUE CELL:	350-2 inlb	VOLTS:	230.0	ROTATION:	CCW
NP RPM:	1075	HERTZ:	60	BDT:	32.32
# SPEEDS:	3	RUN CAP:	7.50	LRA:	3.63
MOTOR #:	1	COMMENT1:		LRT:	8.41
COMMENT 2:		COMMENT 3:		COMMENT 4:	

Resistance:

	Start 03-02	Main1 01-02	
Spec	10.00	0.00	
Before	44.395	15.375	@24.5 °C
After	44.792	15.600	@24.4 °C

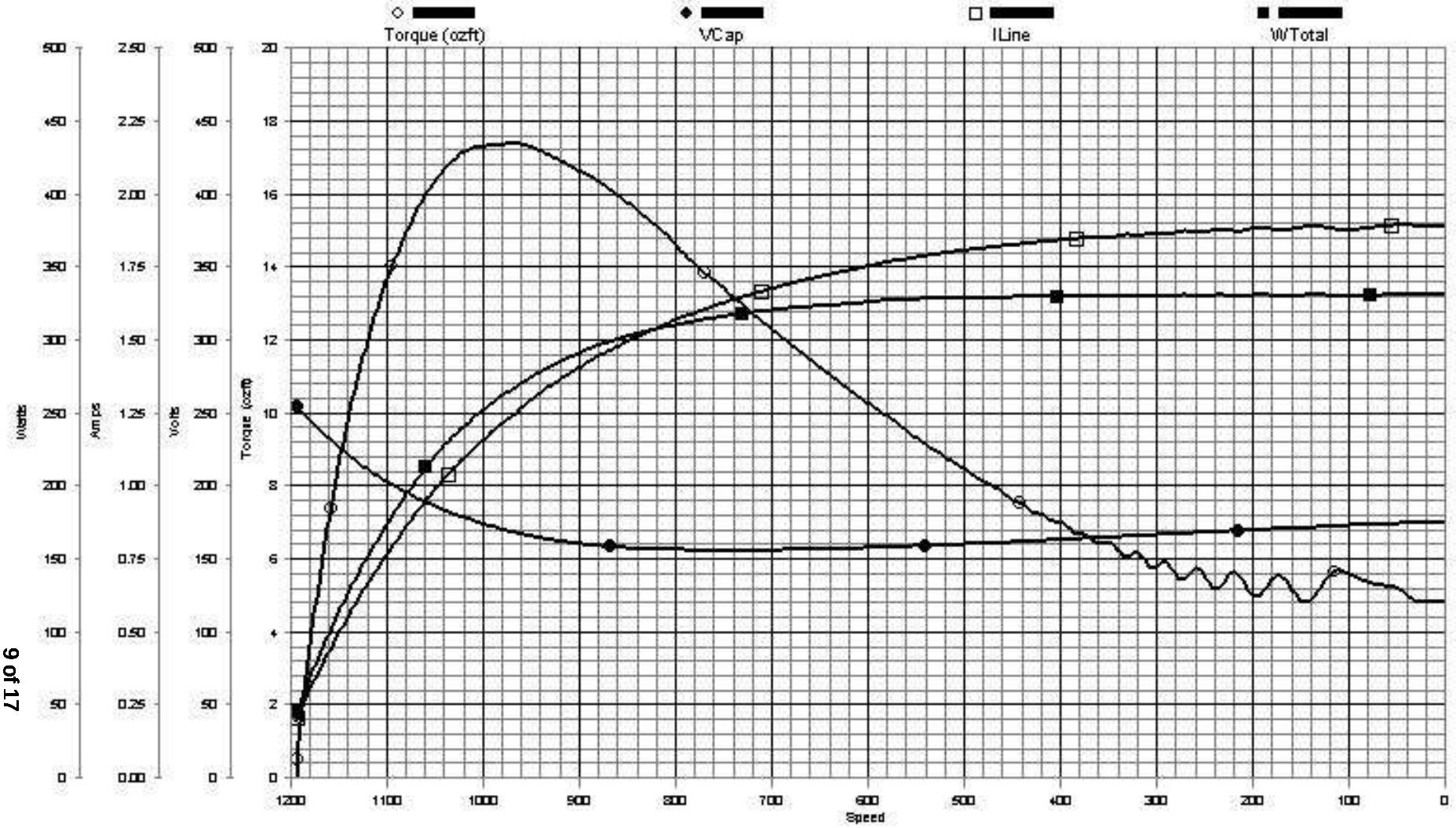
Friction: 0.0081 ozft @ 200 RPM
Friction + Wind: -0.1942 ozft @ 1080 RPM
Inertia: 0.0254 ozft

Down Results (Torque In ozft):

% Load	Torque	RPM	VLine	VCap	VStart	ILine	IMain	IStart	WLine	WOut	% Eff	% PF	HP
NL	0.00	1191.1	229.8	363.4	252.8	0.42	0.75	1.04	92.9	0.0	0.0	96.3	0.00
NP+100	6.82	1175.0	229.7	348.5	243.3	0.63	0.66	1.00	144.1	71.1	49.3	99.6	0.10
NP+80	13.40	1155.0	229.4	330.9	231.7	0.89	0.70	0.94	204.3	137.3	67.2	100.0	0.18
NP+60	18.59	1135.0	229.3	315.4	220.6	1.12	0.85	0.90	257.2	187.2	72.8	100.0	0.25
NP-50*	20.77	1125.0	229.6	308.7	215.6	1.23	0.95	0.88	281.9	207.4	73.6	99.8	0.28
NP+40	22.72	1115.0	229.8	302.4	210.6	1.34	1.05	0.86	305.3	224.8	73.6	99.1	0.30
NP-25*	25.27	1100.0	230.5	294.2	203.6	1.48	1.21	0.84	338.7	246.7	72.8	99.3	0.33
NP+20	26.02	1095.0	230.7	291.5	201.3	1.53	1.26	0.83	349.1	252.8	72.4	98.9	0.34
NP	28.50	1075.0	230.7	280.5	191.5	1.71	1.47	0.80	387.2	271.9	70.2	98.2	0.36
NP-20	30.21	1055.0	230.4	271.0	182.2	1.87	1.66	0.77	418.4	282.8	67.6	97.1	0.38
NP+25*	30.53	1050.0	230.4	268.8	180.0	1.91	1.71	0.77	425.4	284.5	66.9	96.7	0.38
NP-40	31.29	1035.0	230.3	263.0	173.6	2.01	1.84	0.75	445.7	287.4	64.5	96.3	0.39
NP+50*	31.68	1025.0	230.3	259.5	169.5	2.08	1.92	0.74	458.4	288.2	62.9	95.7	0.39
NP-60	31.97	1015.0	230.3	256.3	165.7	2.14	2.00	0.73	470.3	288.0	61.2	95.4	0.39
NP-80	32.27	995.0	230.3	250.6	158.3	2.26	2.15	0.72	491.2	284.9	58.0	94.4	0.38
BDT	32.32	983.3	230.2	247.7	154.2	2.33	2.23	0.71	502.1	282.0	56.2	93.6	0.38
MT	32.32	983.3	230.2	247.7	154.2	2.33	2.23	0.71	502.1	282.0	56.2	93.6	0.38
NP-100	32.30	975.0	230.1	245.7	151.4	2.37	2.29	0.70	509.2	279.5	54.9	93.4	0.37
NP-200	30.03	875.0	229.7	231.2	121.9	2.79	2.84	0.66	571.2	233.2	40.8	89.1	0.31
NP-300	26.10	775.0	230.3	228.6	101.5	3.08	3.22	0.65	605.3	179.5	29.7	85.3	0.24
NP-400	21.94	675.0	230.1	229.0	86.3	3.26	3.48	0.65	620.3	131.4	21.2	82.7	0.18
HS	18.99	600.0	229.9	230.6	77.6	3.36	3.62	0.66	627.0	101.1	16.1	81.2	0.14
PUT	8.27	164.8	230.1	246.5	49.4	3.62	4.02	0.70	637.2	12.1	1.9	76.5	0.02
LR	8.41	0.0	230.6	253.5	46.0	3.63	4.05	0.72	643.7	0.0	0.0	76.9	0.00

LRA=LOCKED ROTOR AMPS BDT =BREAKDOWN TORQUE MT=MAX TORQUE
LRT=LOCKED ROTOR TORQUE NP RPM=NAMEPLATE RPM

Performance Test Project: 0603098 (Low Speed) Friday, November 17, 2006 06:36 PM



TRACKING #:	10053997	CUSTOMER:	
SBU:	Heating & Air Cond	MODEL:	0603098T
ENGINEER:	DAVID CAO	FRAME:	48
TECHNICIAN:	SCOTT FEBO	PHASES:	1
TORQUE CELL:	350-2 inlb	VOLTS:	230.0
NP RPM:	1075	HERTZ:	60
# SPEEDS:	3	RUN CAP:	7.50
MOTOR #:	1	COMMENT1:	
COMMENT 2:		COMMENT 3:	

DESCRIPTION:	230V 60HZ MTR#1 LOW-SPD SYNC-0
TYPE:	PSC
BENCH:	2
HP:	0.50
ROTATION:	CCW
BDT:	17.37
LRA:	1.89
LRT:	4.84
COMMENT 4:	

Performance Test Results For 0603098 (Low Speed) 11-17-2006 06:36 pm

TRACKING #:	10053997	CUSTOMER:		DESCRIPTION:	230V 60HZ MTR#1 LOW-SPD SYNC-0
SBU:	Heating & Air Cond	MODEL:	0603098T	TYPE:	PSC
ENGINEER:	DAVID CAO	FRAME:	48	BENCH:	2
TECHNICIAN:	SCOTT FEBO	PHASES:	1	HP:	0.50
TORQUE CELL:	350-2 inlb	VOLTS:	230.0	ROTATION:	CCW
NP RPM:	1075	HERTZ:	60	BDT:	17.37
# SPEEDS:	3	RUN CAP:	7.50	LRA:	1.89
MOTOR #:	1	COMMENT1:		LRT:	4.84
COMMENT 2:		COMMENT 3:		COMMENT 4:	

Resistance:

	Start 03-02	Main1 01-02	
Spec	10.00	0.00	
Before	44.267	28.480	@23.5 °C
After	44.434	28.652	@23.9 °C

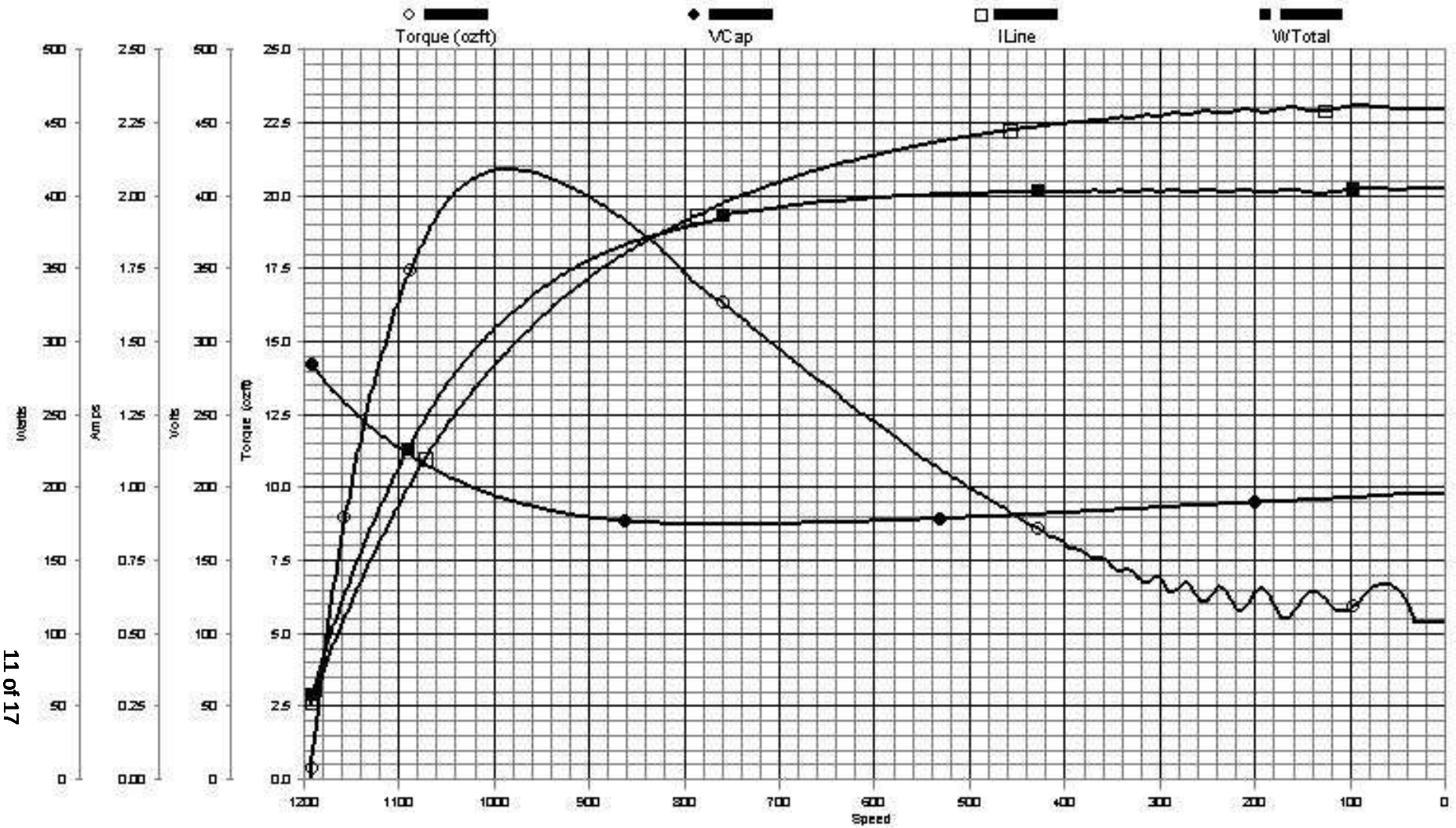
Friction: 0.0939 ozft @ 200 RPM
Friction + Wind: -0.2106 ozft @ 1080 RPM
Inertia: 0.0256 ozft

Down Results (Torque In ozft):

% Load	Torque	RPM	VLine	VCap	VStart	ILine	IMain	IStart	WLine	WOut	% Eff	% PF	HP
NL	0.00	1193.1	230.1	255.0	187.2	0.20	0.57	0.73	43.6	0.0	0.0	94.7	0.00
NP+100	4.48	1175.0	229.9	242.7	183.4	0.33	0.48	0.69	75.6	46.7	61.8	99.6	0.06
NP+80	7.81	1155.0	229.8	230.3	178.8	0.46	0.45	0.66	105.7	80.0	75.7	100.0	0.11
NP+60	10.42	1135.0	229.6	219.4	174.1	0.58	0.49	0.63	132.5	105.0	79.2	99.5	0.14
NP-50*	11.46	1125.0	229.5	214.3	171.7	0.63	0.52	0.61	144.8	114.4	79.0	100.0	0.15
NP+40	12.40	1115.0	229.4	209.6	169.3	0.69	0.56	0.60	156.5	122.7	78.4	98.9	0.16
NP-25*	13.64	1100.0	229.7	203.4	166.0	0.76	0.63	0.58	173.0	133.1	77.0	99.1	0.18
NP+20	13.98	1095.0	229.8	201.5	165.0	0.79	0.65	0.57	178.3	135.8	76.2	98.2	0.18
NP	15.21	1075.0	230.0	193.9	160.4	0.88	0.76	0.55	198.2	145.1	73.2	97.9	0.19
NP-20	16.14	1055.0	230.4	187.6	156.2	0.97	0.86	0.53	216.0	151.1	70.0	96.6	0.20
NP+25*	16.33	1050.0	230.5	186.3	155.2	0.99	0.88	0.53	220.1	152.2	69.1	96.5	0.20
NP-40	16.80	1035.0	230.6	182.1	152.2	1.04	0.95	0.52	230.7	154.3	66.9	96.2	0.21
NP+50*	17.05	1025.0	230.7	179.7	150.2	1.08	0.99	0.51	237.3	155.1	65.4	95.2	0.21
NP-60	17.20	1015.0	230.7	177.4	148.2	1.11	1.03	0.51	243.4	154.9	63.6	95.0	0.21
NP-80	17.31	995.0	230.6	173.1	144.1	1.17	1.12	0.49	254.1	152.8	60.1	94.2	0.20
NP-100	17.36	975.0	230.5	169.4	140.4	1.23	1.19	0.48	263.6	150.2	57.0	93.0	0.20
MT	17.37	968.0	230.4	168.3	139.1	1.24	1.22	0.48	266.7	149.2	55.9	93.4	0.20
BDT	17.37	968.0	230.4	168.3	139.1	1.24	1.22	0.48	266.7	149.2	55.9	93.4	0.20
NP-200	16.28	875.0	230.1	158.5	123.3	1.45	1.50	0.45	297.1	126.4	42.5	89.0	0.17
NP-300	13.99	775.0	230.0	155.7	110.2	1.60	1.71	0.44	313.2	96.2	30.7	85.1	0.13
NP-400	11.78	675.0	229.9	156.0	99.9	1.70	1.86	0.44	321.8	70.6	21.9	82.3	0.09
HS	10.29	600.0	230.0	157.4	93.5	1.75	1.95	0.45	325.7	54.8	16.8	80.9	0.07
PUT	4.81	145.6	230.1	171.0	66.2	1.89	2.20	0.49	330.6	6.2	1.9	76.0	0.01
LR	4.84	0.0	229.9	174.8	60.5	1.89	2.22	0.50	330.5	0.0	0.0	76.1	0.00

LRA=LOCKED ROTOR AMPS BDT =BREAKDOWN TORQUE MT=MAX TORQUE
LRT=LOCKED ROTOR TORQUE NP RPM=NAMEPLATE RPM

Performance Test Project: 0603098 (Medium Speed) Friday, November 17, 2006 06:40 PM

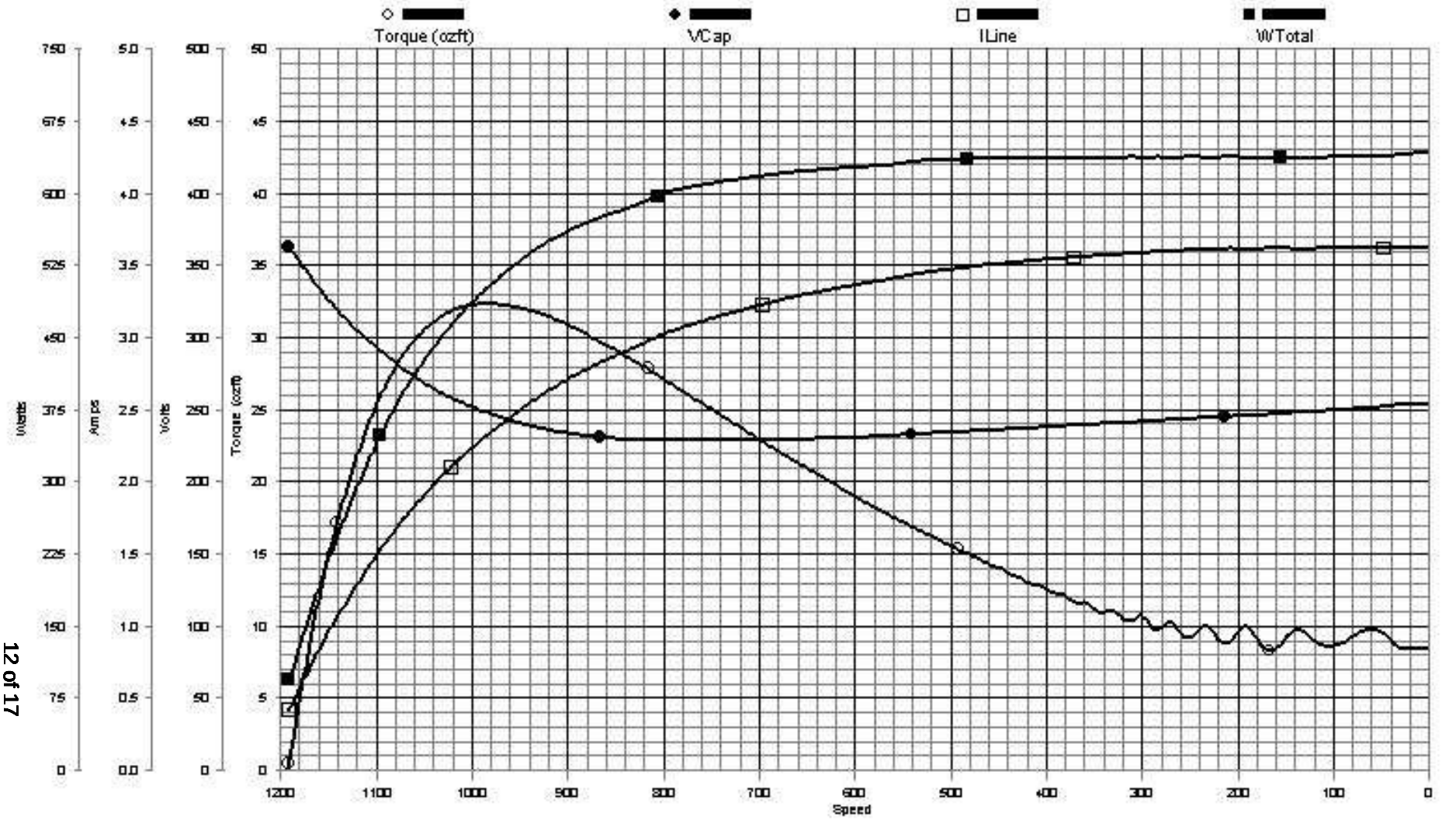


TRACKING #:	10053997	CUSTOMER:	
SBU:	Heating & Air Cond	MODEL:	0603098T
ENGINEER:	DAVID CAO	FRAME:	48
TECHNICIAN:	SCOTT FEBO	PHASES:	1
TORQUE CELL:	350-2 inlb	VOLTS:	230.0
NP RPM:	1075	HERTZ:	60
# SPEEDS:	3	RUN CAP:	7.50
MOTOR #:	1	COMMENT1:	
COMMENT 2:		COMMENT 3:	

DESCRIPTION:	230V 60HZ MTR#1 MED-SPD SYNC-0
TYPE:	PSC
BENCH:	2
HP:	0.50
ROTATION:	CCW
BDT:	20.88
LRA:	2.30
LRT:	5.35
COMMENT 4:	

Performance Test Project: 0603098 (High Speed) Friday, November 17, 2006 06:43 PM

C32666



TRACKING #:	10053997	CUSTOMER:		DESCRIPTION:	230V 60HZ MTR#1 HI-SPD SYNC-0
SBU:	Heating & Air Cond	MODEL:	0603098T	TYPE:	PSC
ENGINEER:	DAVID CAO	FRAME:	48	BENCH:	2
TECHNICIAN:	SCOTT FEBO	PHASES:	1	HP:	0.50
TORQUE CELL:	350-2 inlb	VOLTS:	230.0	ROTATION:	CCW
NP RPM:	1075	HERTZ:	60	BDT:	32.32
# SPEEDS:	3	RUN CAP:	7.50	LRA:	3.63
MOTOR #:	1	COMMENT1:		LRT:	8.41
COMMENT 2:		COMMENT 3:		COMMENT 4:	

Manual Test Results For 0603098 (High Speed) 11-17-2006
05:15 pm

TRACKING #:	10053997	CUSTOMER:		DESCRIPTION:	277V 60HZ MTR#1 IDLE
SBU:	Heating & Air Cond	MODEL:	0603098A	TYPE:	PSC
ENGINEER:	CARLA BRANHAM	FRAME:	48	BENCH:	1
TECHNICIAN:	DAVID CAO	PHASES:	1	HP:	0.50
TORQUE CELL:	250-1 inlb	VOLTS:	277.0	ROTATION:	CCW
NP RPM:	1075	HERTZ:	60	BDT:	0.00
# SPEEDS:	3	RUN CAP:	7.50	LRA:	0.00
MOTOR #:	1	COMMENT1:		LRT:	0.00
COMMENT 2:		COMMENT 3:		COMMENT 4:	

Resistance:

	Start 03-02	Main1 01-02	
Spec	10.00	0.00	
Results	43.644	15.094	@24.2 °C

VLine	VStart	VCap	ILine	IMain	IStart	WLine	TC01	TC02	TC03	TC04	Time
277.4	293.8	423.0	0.54	1.01	1.21	144.5	OPEN	OPEN	OPEN	OPEN	05:13:43 pm
230.1	247.8	353.0	0.45	0.75	1.01	102.7	OPEN	OPEN	OPEN	OPEN	05:13:57 pm

Specification & Rating Report

Item Number: **9434A**

Specification Number: **1**

Model Number:		Sample Number:	
Carton Label Model Number:		Customer Specification Number:	
Customer Model Number:		Catalog Number:	**9434A**
Agency Type:			
CE:	**N**	CE Number:	
CSA:	**Y**	CSA Number:	
UL:	**Y**	UL Number:	
UL Explosion Proof Rating:			
Cubic Feet Per Minute:			
F2 Assembly:			
UPC Model Number:		UPC Catalog Number:	**786674011299**
Nameplate Drive Bearing Type:		Label Drive Bearing Type:	**BALL**
Nameplate Opposite Drive Bearing Type:		Label Opposite Drive Bearing Type:	**BALL**
Capacitor:		Capacitor Included:	**N**
Capacitor Rating MFD:	**7.5**	Capacitor Rating VAC:	**370**
Control Code:		Design Status:	
DC Design Number:		Features:	
Form Factor:			
Connection Diagram:		Installation Diagram:	
Lubrication Label Diagram:		Warning Label Diagram:	
Outline Diagram:	**F48Y91A01**	Outline Graphic:	
Ambient Temperature:	**60**	Insulation Class:	**B**

Specification & Rating Report

Protector:	**AUTOMATIC**	Thermal Protection:	
Nameplate Overload:		Label Overload:	
IP Code:			
Nameplate Enclosure:	**OAO**	Label Enclosure:	**OPEN**
Frame Length:	**4.88**	Frame Length UOM:	
Frame Diameter:		Frame Diameter UOM:	
Frame Size:	**F48Y**		
Frame Material:	**ROLLED STEEL**	End Frame Material:	
Operator Instruction Manual:			
Nameplate Mounting:		Label Mounting:	**FLEX ARMS**
Base Height:		Base Height UOM:	
Ring Diameter:		RingDiameterUOM:	
Nameplate:		Carton Label:	
Namplate Location Format:			
Brake:		Tachometer:	
Layer Quantity:		Pallet Quantity:	
Phase:	**1**	CurrentType:	
DC Pole:			
Poles:	**6**		
Speeds:	**3**		
Duty:	**AIR OVER**		
Shaft Diameter:	**.5**	Shaft Diameter UOM:	**IN**
Shaft Extension:	**5.5**	Shaft Extension UOM:	**IN**
Shaft Material:		Rotation:	**REV**
Shaft Type:	**FLAT**		
Motor Type:	**UF**		
Motor Use:			
Nameplate 1:			
Nameplate 2:			
Nameplate Text 1:			

Specification & Rating Report

Nameplate Text 2:	
Nameplate Text 3:	
Nameplate Text 4:	
Label Text 1:	
Label Text 2:	
Label Text 3:	
Label Text 4:	
Brand Line:	
Vendor Line:	

Motor Weight:		Motor Weight UOM:	
Shipping Weight:		Shipping Weight UOM:	
Armature Field Winding:			
Core Length:		Core Length UOM:	
Winding Code:		Winding Specification:	

Nameplate Only Instructions:	
Nameplate & Label Instructions:	
Label Only Instructions:	

Specification & Rating Report

Rating Number: **1**

Horsepower:	**1/2,1/3,1/4**	Customer Nameplate Number:	
Volts:	**277**	Kilowatts:	
Hertz:	**60**	Amps:	**2.1,1.3,1.1**
Field Current:		Maximum Amps:	
Revolutions Per Minute:	**1075/3 SPD**	Armature Current:	
Service Factor:	**1.0**	Power Factor:	
Service Factor Amps:		Service Factor Volts:	
NEMA Code:		NEMA Nominal Efficiency:	
NEMA Design:		NEMA Guaranteed Efficiency:	