

PRODUCT INFORMATION PACKET



Model No: ORM4688BF
Catalog No: ORM4688BF

4-in-1® Condenser Fan Motor, 1/3-1/8 HP, 1 Ph, 60 Hz, 460 V, 825 RPM, 1 Speed, 48 Frame, ENCLOSED



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Nameplate Specifications

Phase	1	Output HP	1/3-1/8 Hp
Output KW	0.25 kW	Voltage	460 V
Speed	825 rpm	Service Factor	1
Frame	48	Enclosure	Totally Enclosed
Thermal Protection	Automatic	Ambient Temperature	70 °C
Frequency	60 Hz	Current	1.0 A
Duty	Air Over	Insulation Class	F
UL	Recognized	CSA	Y
CE	N	Number of Speeds	1

Technical Specifications

Electrical Type	Permanent Split Capacitor	Starting Method	Across The Line
Poles	8	Rotation	Reversible
Mounting	Extended Studs	Motor Orientation	Any
Drive End Bearing	Ball	Opp Drive End Bearing	Ball
Frame Material	Rolled Steel	Shaft Type	Double Flat
Overall Length	12.62 in	Frame Length	4.62 in
Shaft Diameter	0.500 in	Shaft Extension	6.5 in
Outline Drawing	ORM4688BF-S01	Connection Drawing	614131-242

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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 (SENSATA 7AM 304)

LINE LEADS: NO. 18 GA., .06[1.5] THK. XLP 125°C INSUL.

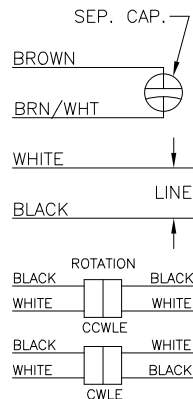
REVERSING LEADS: NO. 18 GA., .03[.8] THK. XLP 125°C INSUL.

GROUND LEAD: NO. 18 GA., .03[.8] THK. (GREEN) INSUL.

NAMEPLATE DATA:

MODEL NO.: F48AB98A01
CUST. P/N: ORM4688BF
HP: 1/3-1/8
ROT.: REVERSIBLE
RPM: 825
TYPE: UF
FRAME: 48
VOLTS: 460
PH: 1
AMPS: 1.0
HZ: 60
INS.: F
AMB.: 70°C
DUTY: AIR OVER
CAP.: 7.5 MFD/370 V
ENCL: ENCLOSED
UL LOGO
CSA LOGO
THERMALLY PROTECTED

EXTERNAL CONNECTION DIAGRAM



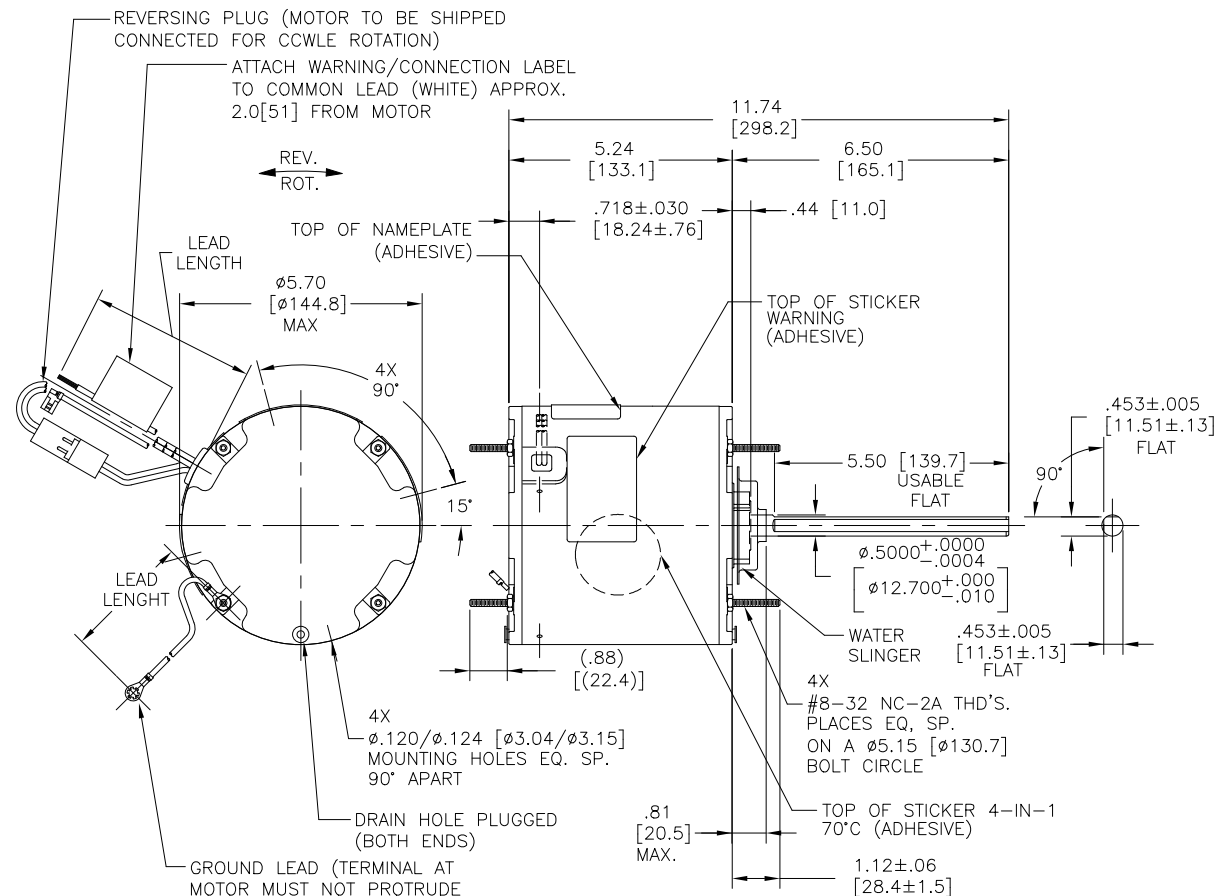
614131-242

PERFORMANCE CURVE NO.	TORQUE @ 825 RPM (25°C)	APPROVED SAMPLE	UL COMPONENT FILE #	CCN #	CSA FILE #	CLASS #
C0000066	35.9 OZ. FT.	0801374C	E46412	PRGY2	LR43341	4211-01

GREEN (GROUND)	12.0/13.0 [305/330]	#10 EYELET
BLACK/WHITE	3.0/5.0 [76/127]	REVERSING PLUG
BROWN	47.5/51.5 [1206/1308]	.25[6.35] FLAG
BROWN/WHITE	47.5/51.5 [1206/1308]	.25[6.35] FLAG
WHITE	47.5/51.5 [1206/1308]	.50[12.7] SKIN
BLACK	47.5/51.5 [1206/1308]	.50[12.7] SKIN
COLOR	LENGTH	TERMINAL OR STRIP LENGTH

LEAD DATA

DRAWING REVISION	REVISION BY	DATE
FA	SURYA	11/11/2024
ECO	APPROVED BY	DATE
ECR-0238477	KEP	11/11/2024
ECO DESCRIPTION		
REMOVED CONSERVATION AS PER ECR.		
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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.

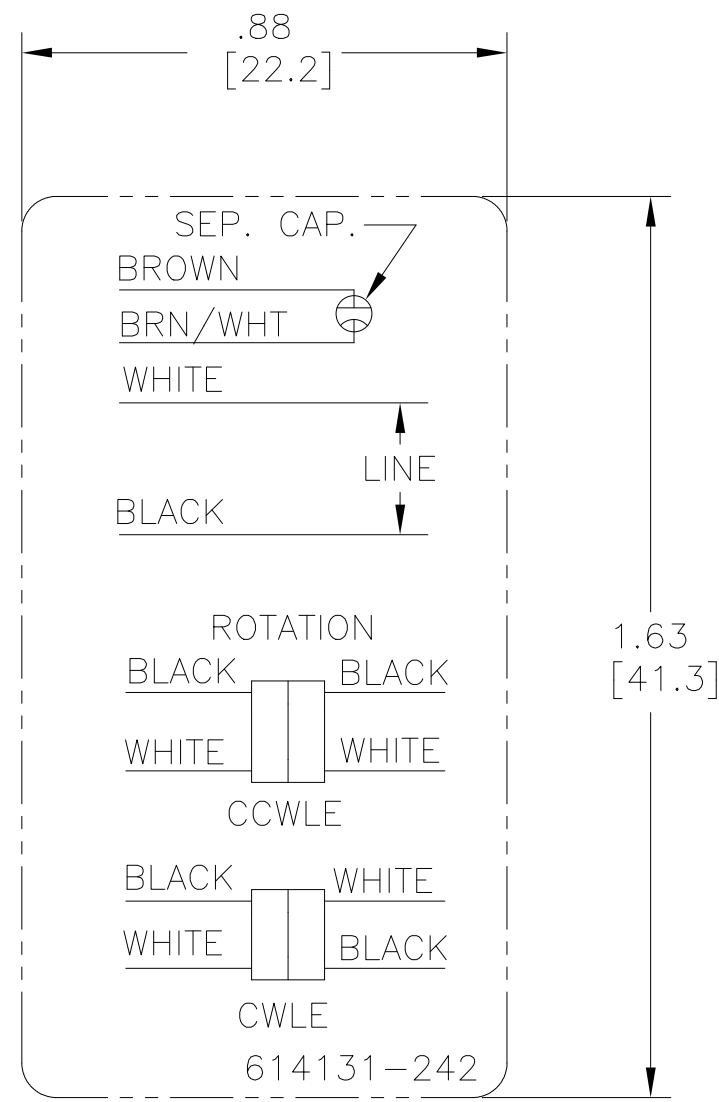
MAIN FRAME - OLE	ENCLOSED
END FRAME - OLE	ENCLOSED
MAIN FRAME - LE	ENCLOSED
END FRAME - LE	ENCLOSED

- NOTES:
- ATTACH INSTRUCTION SHEET 681572-003 ONTO SHAFT APPROX. 1.0[25] FROM WATER SLINGER (OR 69P9-3 ONLY USED IN MEXICO)
 - (4) SCREWS 615982-001 & (4) EXTRA HEX NUTS 7555A19H01 TO BE PUT IN A POLYBAG.

CUSTOMER	DISTRIBUTION SERVICE
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ENCLOSURE

DRAWN BY: ANAJERA	DATE: 05-05-2011	APPROVED BY: J. RUPERT	DATE: 05-05-2011
REFERENCE	MATERIAL	SIZE	DWG NO
THIRD ANGLE PROJECTION		C	ORM4688BF
DESCRIPTION		PROCESS/FINISH	
MODEL-RFHP-48FR OUTLINE			
SHEET 1			



NOTES:

- 1. FOR USE WITH 614129 NAMEPLATE BLANK
- 2. — — — — — INDICATES DIMENSION LIMITS
- 3. DIE TO BE MADE FROM MASTER SUPPLIED BY REGAL REXNORD CORPORATION
- 4. DIE MUST PRODUCE A LEGIBLE IMPRESSION.

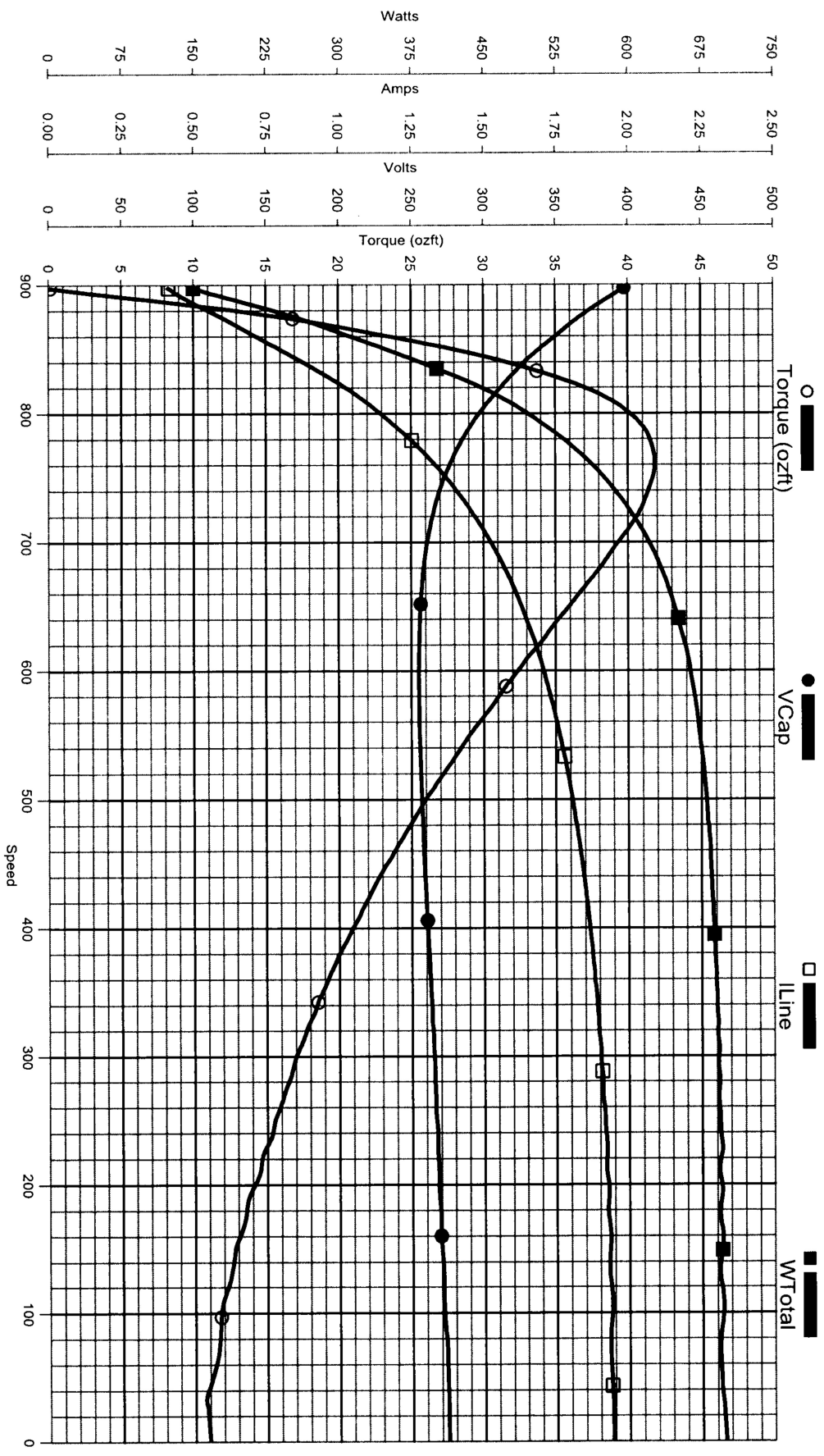
DRAWING REVISION H	REVISION BY J. RUPERT	DATE 03-16-2022	TOLERANCES UNLESS OTHERWISE SPECIFIED DEC. INCH mm ANGLE .X ±0.1 [±2.5] ±0.5° .XX ±0.02 [±0.51] .XXX ±0.005 [±0.127] .XXXX ±0.0005 [±0.0127] REMOVE BURRS & BREAK SHARP EDGES .003/.015 [.076/.381] X 45° CORNER FILLETS R.02 [.51] MACHINED SURFACES 125/INCH mm 3.2/ mm SHOWN IN [BRACKETS]	DRAWN BY: YL	REGAL™ Regal Beloit America, Inc.				
ECO NMR-0213140	APPROVED BY J. RUPERT	DATE 03-16-2022		DATE: 04-15-2011	DESCRIPTION CONNECTION DIAGRAM EXTERNAL				
ECO DESCRIPTION REVISED FOR UP ISSUED				APPROVED BY: HZ					
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				REFERENCE					
							THIRD ANGLE PROJECTION		SIZE A

Performance Test Project: 0801374 (High Speed)

AO Smith

C00000066

Thursday, October 30, 2008 05:13 AM



TRACKING #: 10071010
SBU: Heating & Air Cond
ENGINEER: C. BRANHAM
TECHNICIAN: DAN THOMPSON
TORQUE CELL: 250-1 inlb
NP RPM: 825
SPEEDS: 1
MOTOR #: 1
COMMENT 2:

CUSTOMER: DISTRIBUTION SERVICES
MODEL: 0801374C
FRAME: 48
PHASES: 1
VOLTS: 460.0
HERTZ: 60
RUN CAP: 7.50
COMMENT 1:
COMMENT 3:

DESCRIPTION: SYNC-0
TYPE: PSC
BENCH: 1
HP: 0.33
ROTATION: CCW
BDT: 41.83
LRA: 1.94
LRT: 10.98
COMMENT 4:

AO Smith

Performance Test Results For 0801374

(High Speed)

10-30-2008
05:13 am

TRACKING #: 10071010
SBU: Heating & Air Cond
ENGINEER: C. BRANHAM
TECHNICIAN: DAN THOMPSON
TORQUE CELL: 250-1 inlb
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SPEEDS: 1
MOTOR #: 1
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TYPE: PSC
BENCH: 1
HP: 0.33
ROTATION: CCW
BDT: 41.83
LRA: 1.94
LRT: 10.98
COMMENT 4:

Resistance:
Start Main1
03-02 01-02
10.00 0.00
Spec Before 71.171 77.918 @24.1 °C
After 72.624 79.823 @24.2 °C
Friction: -1.8952 ozft @ 200 RPM
Friction + Wind: -2.8633 ozft @ 810 RPM
Inertia: 0.0455 ozft

Down Results (Torque In ozft):

% Load	Torque	RPM	Vline	VCap	VStart	Iline	Imain	Istart	wline	Wout	% Eff	% PF	HP
NI	0.00	897.5	460.1	397.3	358.7	0.41	1.13	1.14	148.8	0.0	0.0	78.9	0.00
NP+60	9.55	885.0	460.4	380.0	357.5	0.51	1.00	1.08	209.4	75.0	35.8	89.2	0.10
NP-50*	16.13	875.0	460.2	366.8	355.5	0.60	0.93	1.05	255.3	125.2	49.1	92.5	0.17
NP+40	21.24	865.0	460.1	355.5	352.8	0.68	0.90	1.01	294.2	163.0	55.4	94.0	0.22
NP-25*	27.93	850.0	459.6	338.7	347.6	0.80	0.89	0.96	349.7	210.7	60.2	95.1	0.28
NP+20	29.87	845.0	459.6	333.4	345.7	0.84	0.89	0.95	367.5	224.0	60.9	95.2	0.30
NP	35.88	825.0	461.3	315.8	338.8	0.99	0.97	0.90	433.9	262.7	60.5	95.0	0.35
FL	38.00	815.2	462.0	308.2	335.0	1.06	1.02	0.88	461.8	274.9	59.5	94.3	0.37
NP-20	39.57	805.0	461.9	300.6	330.6	1.12	1.08	0.86	485.8	282.7	58.2	93.9	0.38
NP+25*	40.14	800.0	461.8	297.2	328.3	1.15	1.11	0.85	496.2	285.0	57.4	93.4	0.38
NP-40	41.30	785.0	461.5	288.1	321.7	1.22	1.20	0.82	525.0	287.7	54.8	92.1	0.39
NP+50*	41.65	775.0	461.4	283.0	317.4	1.27	1.25	0.81	541.9	286.4	52.9	92.5	0.38
NP-60	41.82	765.0	461.2	278.6	313.2	1.31	1.31	0.79	556.7	283.9	51.0	92.1	0.38
BDT	41.83	760.7	461.2	276.9	311.4	1.33	1.33	0.79	562.6	282.4	50.2	91.7	0.38
MT	41.83	760.7	461.2	276.9	311.4	1.33	1.33	0.79	562.6	282.4	50.2	91.7	0.38
NP-80	41.55	745.0	460.8	271.1	305.0	1.39	1.42	0.77	581.1	274.7	47.3	90.7	0.37
NP-100	40.85	725.0	460.8	265.8	297.7	1.46	1.51	0.76	601.5	262.8	43.7	89.4	0.35
NP-200	34.19	625.0	460.8	255.4	268.8	1.67	1.86	0.73	656.9	189.6	28.9	85.4	0.25
NP-300	27.51	525.0	460.8	256.2	249.4	1.79	2.06	0.73	677.2	128.2	18.9	82.1	0.17
HS	23.29	450.0	460.8	258.6	238.9	1.84	2.16	0.74	684.3	93.0	13.6	80.7	0.12
NP-400	22.09	425.0	460.7	259.8	235.7	1.85	2.19	0.74	685.7	83.3	12.1	80.5	0.11
PUT	10.71	33.1	460.8	274.3	204.2	1.94	2.39	0.78	695.7	3.1	0.5	77.8	0.00
LR	10.98	0.0	461.6	274.6	204.5	1.94	2.39	0.78	698.8	0.0	0.0	78.0	0.00

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

AO Smith

Manual Test Results For 0801374

(High Speed)

10-30-2008
05:08 am

TRACKING #: 10071010	CUSTOMER: DISTRIBUTION SERVICES	DESCRIPTION: IDLE
SBU: Heating & Air Cond	MODEL: 0801374C	TYPE: PSC
ENGINEER: C. BRANHAM	FRAME: 48	BENCH: 1
TECHNICIAN: DAN THOMPSON	PHASES: 1	HP: 0.33
TORQUE CELL: 250-1 inlb	VOLTS: 460.0	ROTATION: CCW
NP RPM: 825	HERTZ: 60	BDT: 0.00
# SPEEDS: 1	RUN CAP: 7.50	LRA: 0.00
MOTOR #: 1	COMMENT1:	LRT: 0.00
COMMENT 2:	COMMENT 3:	COMMENT 4:

Resistance:

Start	Main1
03-02	01-02
10.00	0.00
Results	71.053
	77.792
	@23.8 °C

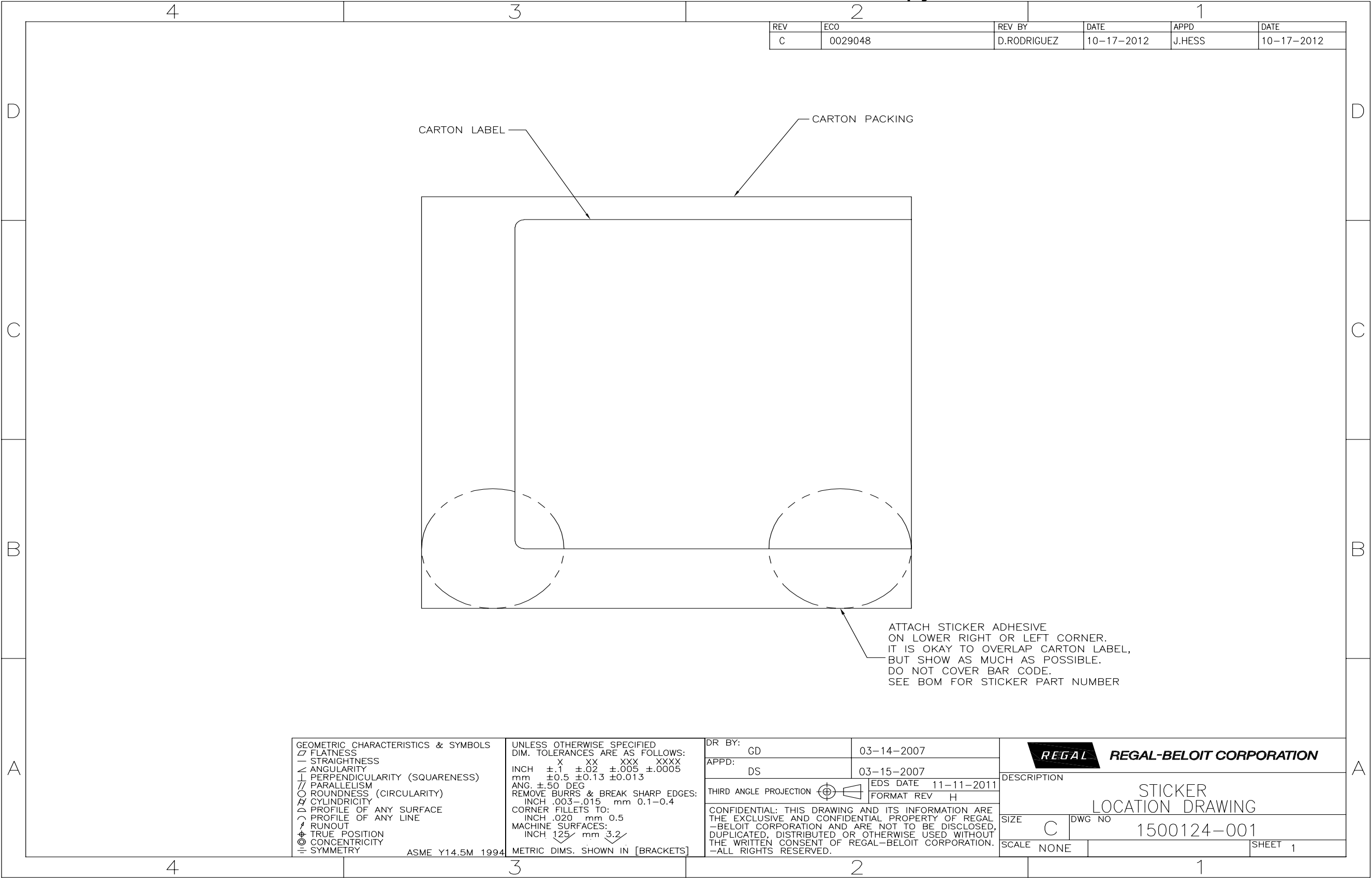
Vline	VStart	VCap	Iline	IMain	Istart	Wline	TC01	TC02	TC03	TC04	Time
460.7	356.4	397.4	0.42	1.12	1.13	153.3	OPEN	OPEN	OPEN	OPEN	05:07:39 am



**Document Packet
for
MODEL-RFHP-48FR
ORM4688BF REV NC**

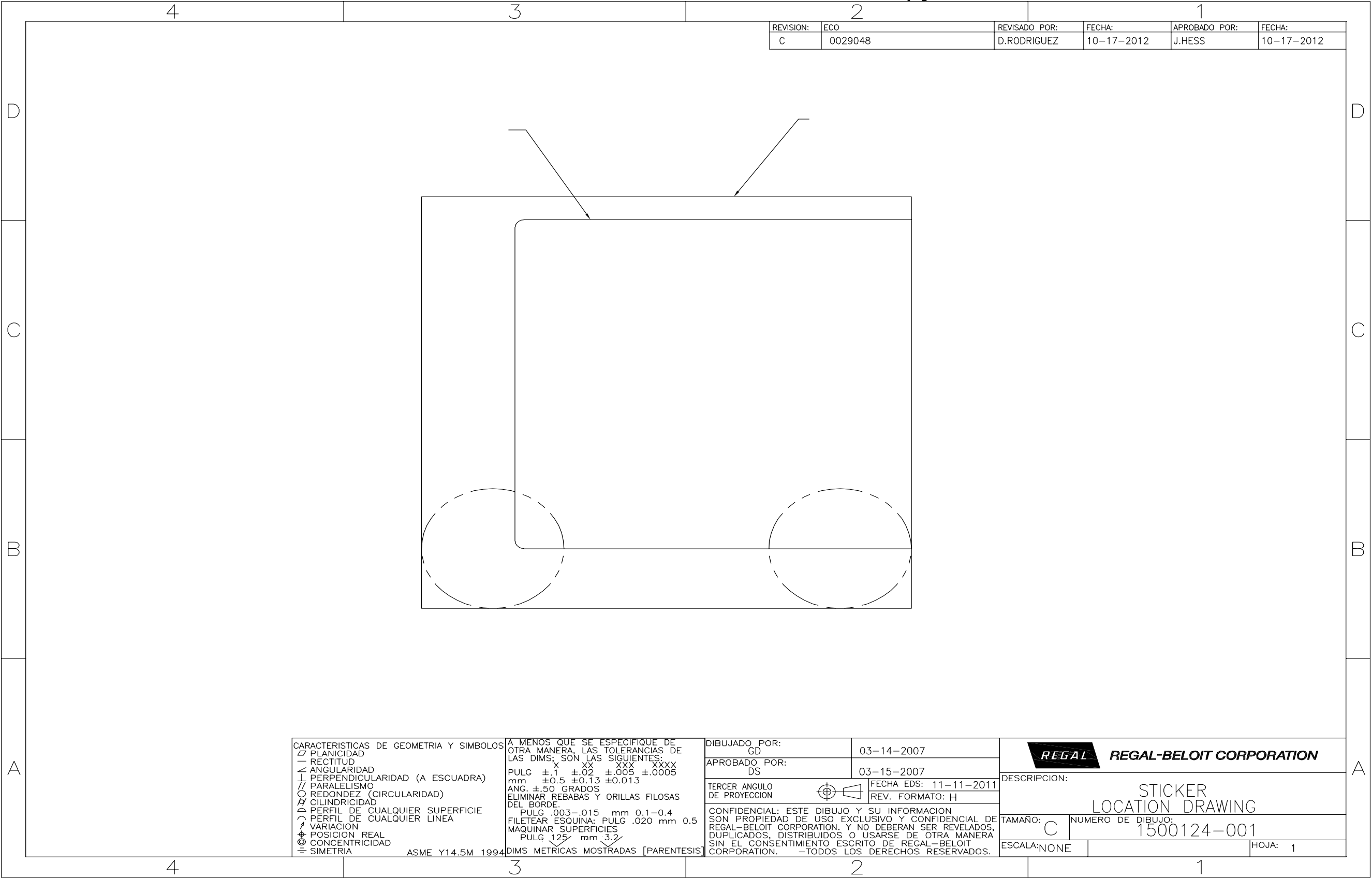


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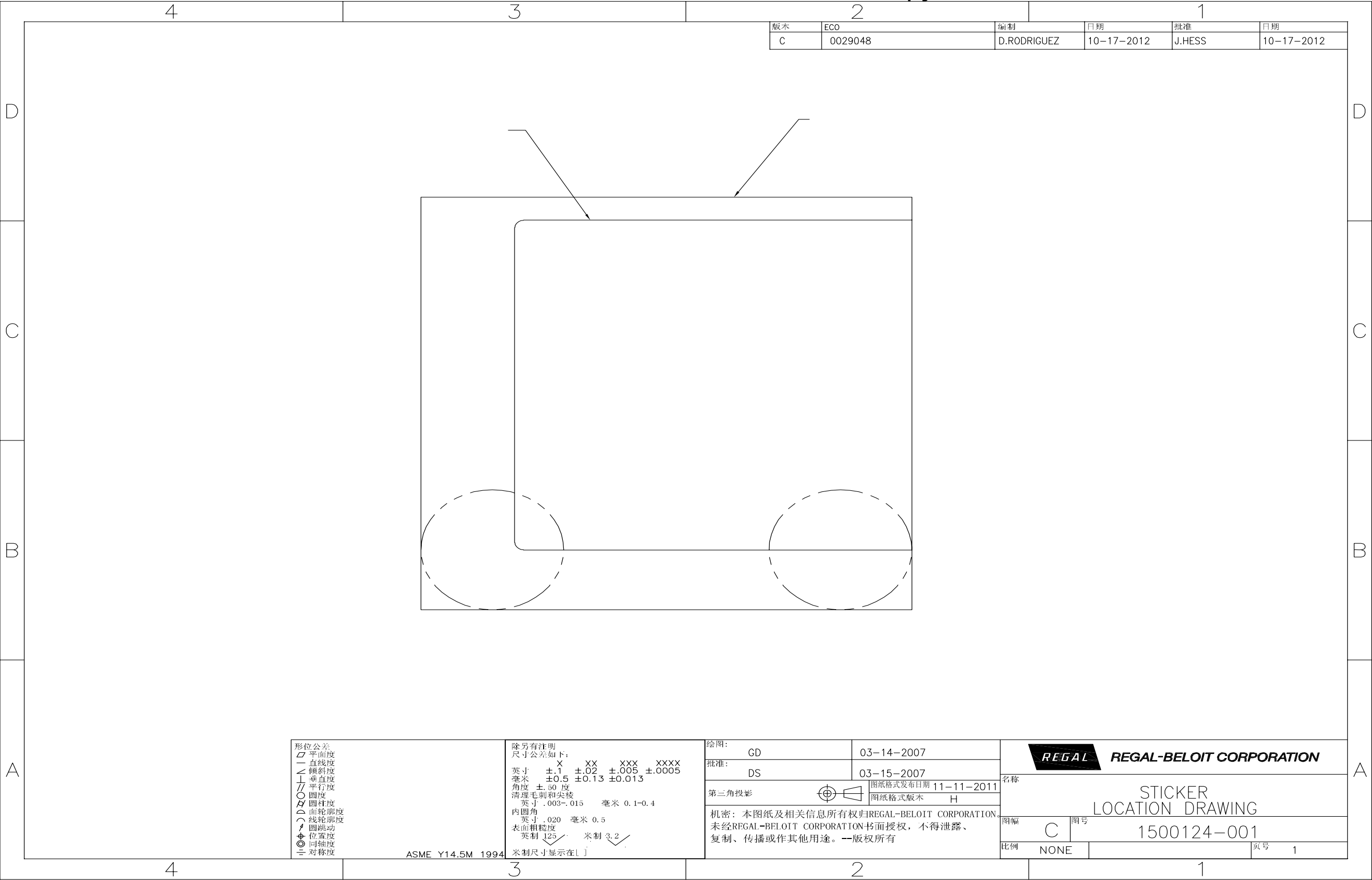


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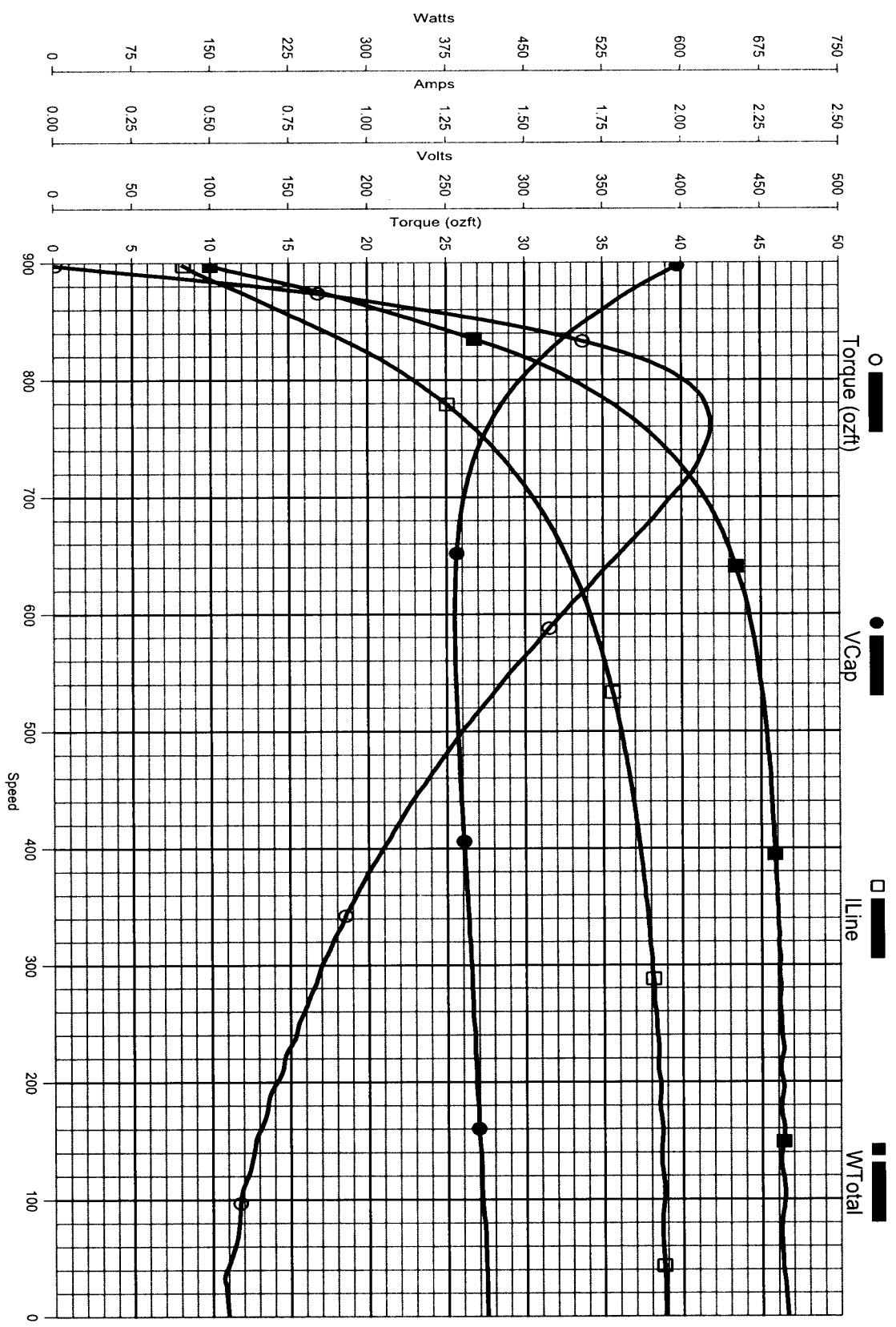
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Performance Test Project: 0801374 (High Speed)

AO Smith

00000066

Thursday, October 30, 2008 05:13 AM



TRACKING #: 10071010
SBU: Heating & Air Cond
ENGINEER: C. BRANHAM
TECHNICIAN: DAN THOMPSON
TORQUE CELL: 250-1 inlb
NP RPM: 825
SPEEDS: 1
MOTOR #: 1
COMMENT 2:

CUSTOMER: DISTRIBUTION SERVICES
MODEL: 0801374C
FRAME: 48
PHASES: 1
VOLTS: 460.0
HERTZ: 60
RUN CAP: 7.50
COMMENT 1:
COMMENT 3:

DESCRIPTION: SYNC-0
TYPE: PSC
BENCH: 1
HP: 0.33
ROTATION: CCW
BDT: 41.83
LRA: 1.94
LRT: 10.98
COMMENT 4:



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AO Smith

Performance Test Results For 0801374

(High Speed)

10-30-2008
05:13 am

TRACKING #: 10071010
SBU: Heating & Air Cond
ENGINEER: C. BRANHAM
TECHNICIAN: DAN THOMPSON
TORQUE CELL: 250-1 inlb
NP RPM: 825
SPEEDS: 1
MOTOR #: 1
COMMENT 2:
CUSTOMER: DISTRIBUTION SERVICES
MODEL: 0801374C
FRAME: 48
PHASES: 1
VOLTS: 460.0
HERTZ: 60
RUN CAP: 7.50
COMMENT 1:
COMMENT 3:
DESCRIPTION: SYNC-0
TYPE: PSC
BENCH: 1
HP: 0.33
ROTATION: CCW
BDT: 41.83
LRA: 1.94
LRT: 10.98
COMMENT 4:

Resistance:
Start 03-02 Main1 01-02
Spec 10.00 0.00
Before 71.171 77.918 @24.1 °C
After 72.624 79.823 @24.2 °C
Friction: -1.8952 ozft @ 200 RPM
Friction + Wind: -2.8633 ozft @ 810 RPM
Inertia: 0.0455 ozft

Down Results (Torque In ozft):

	% Load	Torque	RPM	Vline	Vcap	Vstart	Iline	Imain	Istart	Wline	Wout	% Eff	% PF	HP
NL	0.00	897.5	460.1	397.3	358.7	0.41	1.13	1.14	1.14	148.8	0.0	0.0	78.9	0.00
NP+60	9.55	885.0	460.4	380.0	357.5	0.51	1.00	1.08	1.08	209.4	75.0	35.8	89.2	0.10
NP-50+	16.13	875.0	460.2	366.8	355.5	0.60	0.93	1.05	1.05	255.3	125.2	49.1	92.5	0.17
NP+40	21.24	865.0	460.1	355.5	352.8	0.68	0.90	1.01	1.01	294.2	163.0	55.4	94.0	0.22
NP-25+	27.93	850.0	459.6	338.7	347.6	0.80	0.89	0.96	0.96	349.7	210.7	60.2	95.1	0.28
NP+20	29.87	845.0	459.6	333.4	345.7	0.84	0.89	0.95	0.95	367.5	224.0	60.9	95.2	0.30
NP	35.88	825.0	461.3	315.8	338.8	0.99	0.97	0.90	0.90	433.9	262.7	60.5	95.0	0.35
FL	38.00	815.2	462.0	308.2	335.0	1.06	1.02	0.88	0.88	461.8	274.9	59.5	94.3	0.37
NP-20	39.57	805.0	461.9	300.6	330.6	1.12	1.08	0.86	0.86	485.8	282.7	58.2	93.9	0.38
NP+25+	40.14	800.0	461.8	297.2	328.3	1.15	1.11	0.85	0.85	496.2	285.0	57.4	93.4	0.38
NP-40	41.30	785.0	461.5	288.1	321.7	1.22	1.20	0.82	0.82	525.0	287.7	54.8	93.2	0.39
NP+50+	41.65	775.0	461.4	283.0	317.4	1.27	1.25	0.81	0.81	541.9	286.4	52.9	92.5	0.38
NP-60	41.82	765.0	461.2	278.6	313.2	1.31	1.31	0.79	0.79	556.7	283.9	51.0	92.1	0.38
BDT	41.83	760.7	461.2	276.9	311.4	1.33	1.33	0.79	0.79	562.6	282.4	50.2	91.7	0.38
MT	41.83	760.7	461.2	276.9	311.4	1.33	1.33	0.79	0.79	562.6	282.4	50.2	91.7	0.38
NP-80	41.55	745.0	460.8	271.1	305.0	1.39	1.42	0.77	0.77	581.1	274.7	47.3	90.7	0.37
NP-100	40.85	725.0	460.8	265.8	297.7	1.46	1.51	0.76	0.76	601.5	262.8	43.7	89.4	0.35
NP-200	34.19	625.0	460.8	255.4	268.8	1.67	1.86	0.73	0.73	656.9	189.6	28.9	85.4	0.25
NP-300	27.51	525.0	460.8	256.2	249.4	1.79	2.06	0.73	0.73	677.2	128.2	18.9	82.1	0.17
HS	23.29	450.0	460.8	258.6	238.9	1.84	2.16	0.74	0.74	684.3	93.0	13.6	80.7	0.12
NP-400	22.09	425.0	460.7	259.8	235.7	1.85	2.19	0.74	0.74	685.7	83.3	12.1	80.5	0.11
PUT	10.71	33.1	460.8	274.3	204.2	1.94	2.39	0.78	0.78	695.7	3.1	0.5	77.8	0.00
LR	10.98	0.0	461.6	274.6	204.5	1.94	2.39	0.78	0.78	698.8	0.0	0.0	78.0	0.00

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



CREATED 06/09/2022

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AO Smith

Manual Test Results For 0801374

(High Speed)

10-30-2008
05:08 am

TRACKING #:	10071010	CUSTOMER:	DISTRIBUTION SERVICES	DESCRIPTION:	IDLE
SBU:	Heating & Air Cond	MODEL:	0801374C	TYPE:	PSC
ENGINEER:	C. BRANHAM	FRAME:	48	BENCH:	1
TECHNICIAN:	DAN THOMPSON	PHASES:	1	HP:	0.33
TORQUE CELL:	250-1 inlb	VOLTS:	460.0	ROTATION:	CCW
NP RPM:	825	HERTZ:	60	BDT:	0.00
# SPEEDS:	1	RUN CAP:	7.50	LRA:	0.00
MOTOR #:	1	COMMENT1:		LRT:	0.00
COMMENT 2:		COMMENT 3:		COMMENT 4:	

Resistance:

Start	Main1
03-02	01-02
Spec	10.00
	0.00
Results	71.053
	77.792
	023.8 °C

Vline	VStart	Vcap	Iline	IMain	Istart	Wline	TC01	TC02	TC03	TC04	Time
460.7	356.4	397.4	0.42	1.12	1.13	153.3	OPEN	OPEN	OPEN	OPEN	05:07:39 am



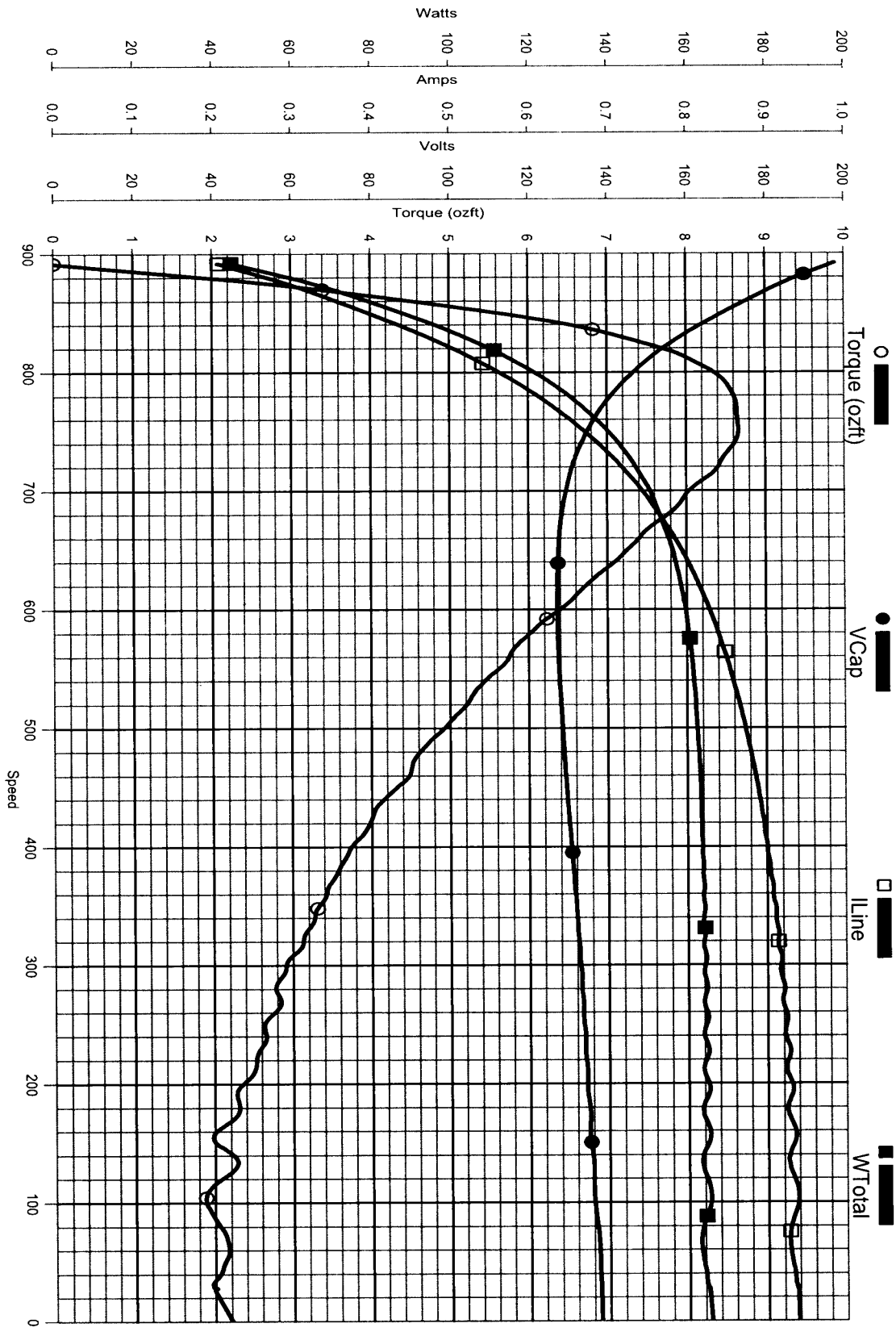
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Performance Test Project: 0801374 (High Speed)

AO Smith

00000067

Thursday, October 30, 2008 05:16 AM



TRACKING #: 10071010
SBU: Heating & Air Cond
ENGINEER: C. BRANHAM
TECHNICIAN: DAN THOMPSON
TORQUE CELL: 250-1 inlb
NP RPM: 825
SPEEDS: 1
MOTOR #: 1
COMMENT 2:

CUSTOMER: DISTRIBUTION SERVICES
MODEL: 0801374C
FRAME: 48
PHASES: 1
VOLTS: 230.0
HERTZ: 60
RUN CAP: 7.50
COMMENT 1:
COMMENT 3:

DESCRIPTION: SYNC-0
TYPE: PSC
BENCH: 1
HP: 0.13
ROTATION: CCW
BDT: 0.00
LRA: 0.94
LRT: 2.21
COMMENT 4:



CREATED 06/09/2022

AO Smith

Performance Test Results For 0801374

(High Speed)

10-30-2008
05:16 am

TRACKING #: 10071010
SBU: Heating & Air Cond
ENGINEER: C. BRANHAM
TECHNICIAN: DAN THOMPSON
TORQUE CELL: 250-1 inlb
NP RPM: 825
SPEEDS: 1
MOTOR #: 1
COMMENT 2:

CUSTOMER: DISTRIBUTION SERVICES
MODEL: 0801374C
FRAME: 48
PHASES: 1
VOLTS: 230.0
HERTZ: 60
RUN CAP: 7.50
COMMENT 1:
COMMENT 3:

DESCRIPTION: SYNC-0
TYPE: PSC
BENCH: 1
HP: 0.13
ROTATION: CCM
BDT: 0.00
LRA: 0.94
LRT: 2.21
COMMENT 4:

Resistance:

Start	Main1	Friction	Wind
03-02	01-02	-1.8950 ozft @ 200 RPM	-2.7645 ozft @ 810 RPM
10.00	0.00	Inertia: 0.0433 ozft	
Spec Before	71.534		
After	71.699		

Down Results (Torque In ozft):

Load	Torque	RPM	Vine	VCap	VStart	ILine	IMain	IStart	WLine	WOut	% Eff	% PF	HP
NL	0.00	891.9	230.2	197.7	182.0	0.21	0.50	0.56	44.7	0.0	0.0	92.5	0.00
BDT	0.00	891.9	230.2	197.7	182.0	0.21	0.50	0.56	44.7	0.0	0.0	92.5	0.00
NP+60	1.06	885.0	229.9	192.2	181.6	0.24	0.46	0.55	53.4	8.3	15.6	96.8	0.01
NP-50*	2.69	875.0	229.9	184.5	180.1	0.29	0.43	0.53	65.4	20.9	31.9	98.1	0.03
NP+40	3.95	865.0	230.0	178.3	178.4	0.34	0.42	0.51	75.1	30.3	40.4	96.0	0.04
NP-25*	5.62	850.0	230.2	169.4	175.5	0.40	0.42	0.48	88.2	42.4	48.1	95.8	0.06
NP+20	6.10	845.0	230.2	166.6	174.5	0.42	0.43	0.47	92.3	45.7	49.6	95.5	0.06
NP	7.43	825.0	230.1	156.3	169.7	0.49	0.47	0.45	107.1	54.4	50.8	95.0	0.07
NP-20	8.21	805.0	230.0	148.4	164.9	0.55	0.53	0.42	119.1	58.6	49.2	94.2	0.08
NP+25*	8.35	800.0	230.0	146.7	163.8	0.56	0.54	0.42	121.7	59.3	48.7	94.5	0.08
NP-40	8.56	785.0	230.0	142.2	160.3	0.60	0.59	0.40	128.5	59.6	46.4	93.1	0.08
NP+50*	8.63	775.0	229.9	139.7	158.1	0.62	0.62	0.40	132.3	59.4	44.9	92.8	0.08
NP-60	8.64	765.0	229.9	137.5	155.9	0.64	0.64	0.39	135.7	58.7	43.2	92.2	0.08
MT	8.66	755.0	230.1	135.3	153.5	0.67	0.68	0.38	139.6	57.8	41.4	90.6	0.08
NP-80	8.64	745.0	230.1	134.1	152.1	0.68	0.70	0.38	141.7	57.1	40.3	90.6	0.08
NP-100	8.44	725.0	230.1	131.5	148.3	0.71	0.74	0.37	146.3	54.3	37.1	89.6	0.07
NP-200	6.81	625.0	230.3	127.2	133.8	0.81	0.91	0.36	158.2	24.5	23.9	84.8	0.05
NP-300	5.26	525.0	230.2	128.0	124.0	0.86	1.01	0.36	162.1	24.5	15.1	81.9	0.03
HS	4.32	450.0	230.1	129.4	118.7	0.89	1.06	0.37	163.3	17.3	10.6	79.7	0.02
NP-400	4.01	425.0	230.1	130.0	117.1	0.89	1.07	0.37	163.4	15.1	9.3	79.8	0.02
PUT	1.88	103.6	230.1	136.0	103.9	0.94	1.16	0.39	165.5	1.7	1.0	76.5	0.00
LR	2.21	0.0	230.5	137.7	101.4	0.94	1.17	0.39	165.6	0.0	0.0	76.4	0.00

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

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单相电机电气性能检测

Assembled Single Phase Motor Electrical Inspection

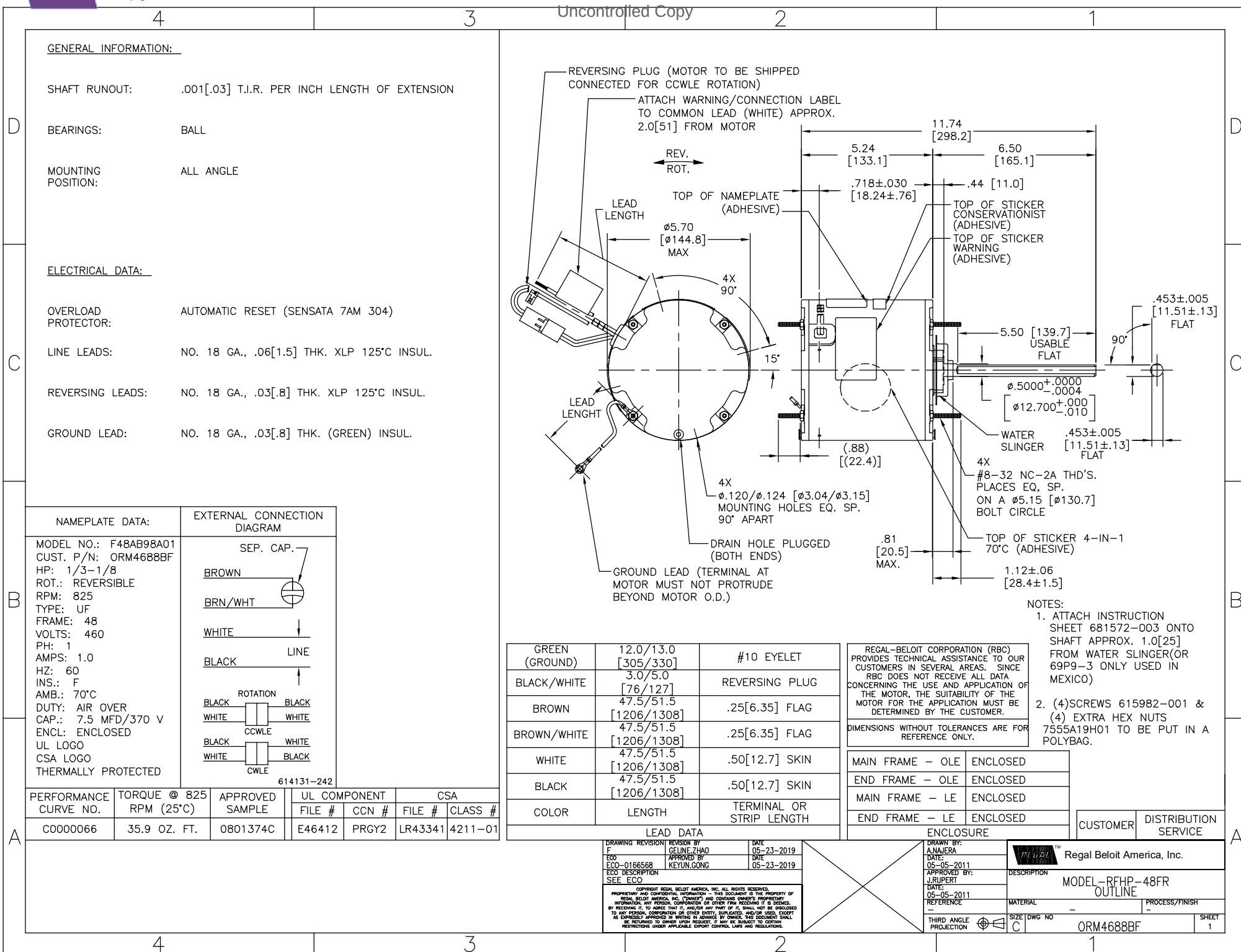
[illegible]

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单相电机电气性能检测

Assembled Single Phase Motor Electrical Inspection

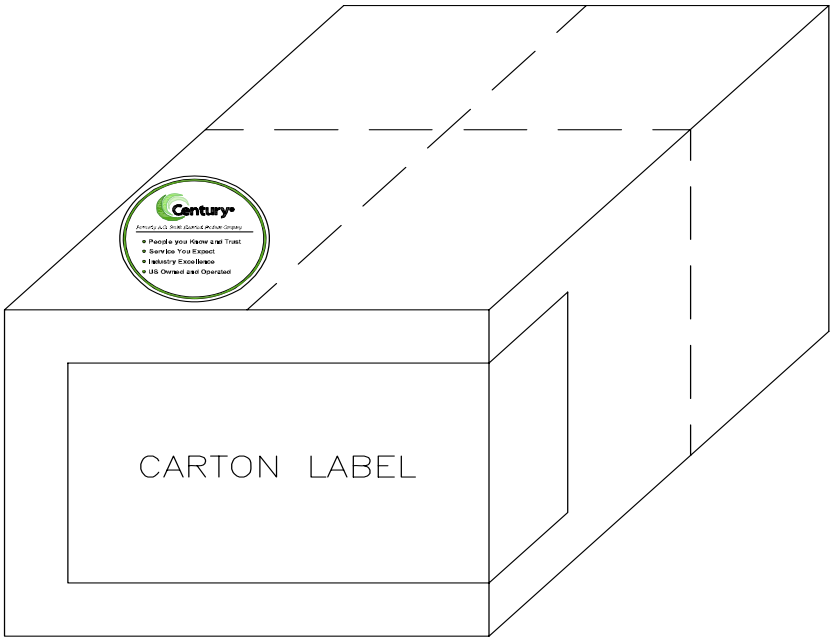
测试电压(V):		230		转向:可逆转向		E10006174	
Test Voltage(V):				Rotation:REV		MODEL:ORM4688BF,ORM4688BU	
测试频率(HZ):		60		最低启动电压(V):290		发行日期:2014/5/19	
Test Frequency(HZ):				Must start Volts(V):		Issue Date:	
启动电容(μF):		NA		运行电容(μF):7.5		满载电容电压(V):--	
Start Cap. (MFD):				Run Cap. (MFD):		Full Load Vc(V):	
		安培		瓦特		扭矩(N.m)	
		Amperes		Watts		Torque (N.m)	
接线方式		测试		最大		转/分钟	
Connection		Test		Maximum		RPM	
高速		空载		47			
		No Load					
High Speed		满载		112		818/833	
		Full Load				0.630	
		堵载				0	
		Locked				0.178	
低速		空载					
		No Load					
Low Speed		满载					
		Full Load					
		堵载					
		Locked					
		在转速点的最小扭矩(N.m)					
		Minimum Torque in N.m at Speed					
测试		高速		中高速		中低速	
Test		High		Med-High		Med-Low	
最大扭矩		0.697		0.00		0.00	
Breakdown TQ							
最小扭矩							
Pull Up							
		最小		Miminum		最大	
						Maximum	
开关速度(RPM)		开					
		Open					
Switching Speed (RPM)		关					
		Close					
保护器测试 Thermal Protector Testing							
保护器部件号:		680137-008		秒		跳闸时	
Protector part number:				Seconds		最大绕组温度	
测试电压(V):		240		最小		Max. Winding Temp at	
Test Voltage(V):				Maximum		Trip	
测试频率(HZ):		60		第一个周期		225℃	
Test Frequency (HZ):				1st Cycle Trip			
绝缘测试:		2300		电压保持1秒钟(V)		Volts applied for 1 Second	
Dielectric test:		7.5		测试开始和结束最大漏电流(mA)		(mA) Leakage Max, Start and End of Test	
其它备注:		A:0326XXX; B:XXXXXXXX; C: XXXXXXX; D: XXXXXXX;					
Additional Comments:		D					
		C					
		A					
		B					
		Rev					
外部连接图表		SEE OUTLINE					
External Connection Diagram		SEE OUTLINE					
注意:数据为电机在25℃时测得,接地线到定子铁芯或机壳的接触电阻最大0.05 (Ω). 看工程师的签名通知. Notes: Data is with motor at 25C. Ground lead resistance to stator iron or mainframe to be 0.05 ohms maximum. See Notice for engineering signature.							



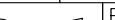


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REV	ECO	REV BY	DATE	APPD	DATE
A	ECO-0026018	J.HESS	08-03-2012	J.RUPERT	08-03-2012



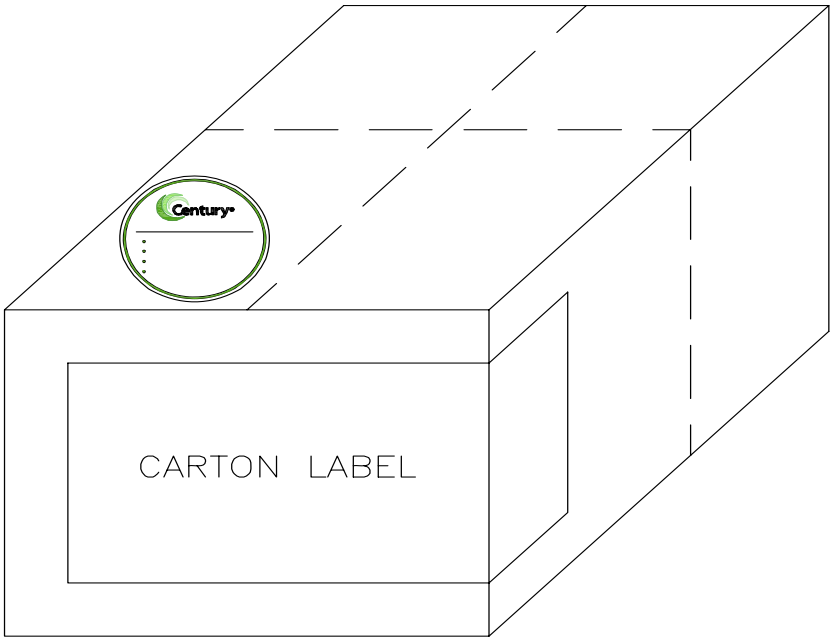
NOTES:
1. PLACE THE LABEL, 2516190-001,
IN THE CORNER OF THE TOP LEFT
FRONT END OF THE BOX.

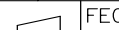
GEOMETRIC CHARACTERISTICS & SYMBOLS ∇ FLATNESS — STRAIGHTNESS ∠ ANGULARITY ⊥ PERPENDICULARITY (SQUARENESS) // PARALLELISM ○ ROUNDNESS (CIRCULARITY) ⌀ CYLINDRICITY △ PROFILE OF ANY SURFACE ⌒ PROFILE OF ANY LINE ↗ RUNOUT ⊕ TRUE POSITION ◎ CONCENTRICITY = SYMMETRY ASME Y14.5M 1994	UNLESS OTHERWISE SPECIFIED 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: J.HESS	08-03-2012	REGAL REGAL-BELOIT CORPORATION		
		APPD: J.RUPERT	08-03-2012	DESCRIPTION PROCESS SPEC LABEL LOCATION INSTRUCTIONS		
		THIRD ANGLE PROJECTION 	EDS DATE 11-11-2011 FORMAT REV H			
		CONFIDENTIAL: THIS DRAWING AND ITS INFORMATION ARE THE EXCLUSIVE AND CONFIDENTIAL PROPERTY OF REGAL-BELOIT CORPORATION AND ARE NOT TO BE DISCLOSED, DUPLICATED, DISTRIBUTED OR OTHERWISE USED WITHOUT THE WRITTEN CONSENT OF REGAL-BELOIT CORPORATION. -ALL RIGHTS RESERVED.		SIZE A	DWG NO PS0912	SHEET 1
				SCALE NONE		



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REVISION:	ECO	REVISADO POR:	FECHA:	APROBADO POR:	FECHA:
A	ECO-0026018	J.HESS	08-03-2012	J.RUPERT	08-03-2012

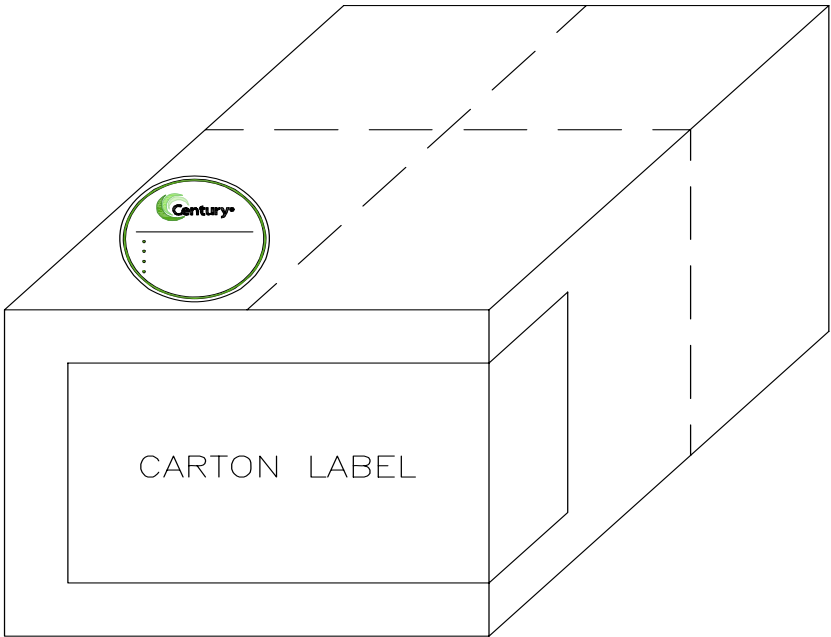


CARACTERISTICAS DE GEOMETRIA Y SIMBOLOS / PLANICIDAD — RECTITUD ≤ ANGULARIDAD ⊥ PERPENDICULARIDAD (A ESCUADRA) // PARALELISMO ○ REDONDEZ (CIRCULARIDAD) / CILINDRICIDAD △ PERFIL DE CUALQUIER SUPERFICIE ⌒ PERFIL DE CUALQUIER LINEA / VARIACION ⊕ POSICION REAL ◎ CONCENTRICIDAD = SIMETRIA ASME Y14.5M 1994	A MENOS QUE SE ESPECIFIQUE DE OTRA MANERA, LAS TOLERANCIAS DE LAS DIMS. SON LAS SIGUIENTES: PULG $\begin{matrix} X \\ \pm .1 \end{matrix}$ $\begin{matrix} XX \\ \pm .02 \end{matrix}$ $\begin{matrix} XXX \\ \pm .005 \end{matrix}$ $\begin{matrix} XXXX \\ \pm .0005 \end{matrix}$ mm $\begin{matrix} \pm 0.5 \\ \pm 0.13 \end{matrix}$ $\begin{matrix} \pm 0.013 \end{matrix}$ ANG. $\pm .50$ GRADOS ELIMINAR REBABAS Y ORILLAS FILOSAS DEL BORDE. PULG $\begin{matrix} .003-.015 \\ \end{matrix}$ mm $\begin{matrix} 0.1-0.4 \end{matrix}$ FILETEAR ESQUINA: PULG $\begin{matrix} .020 \\ \end{matrix}$ mm $\begin{matrix} 0.5 \end{matrix}$ MAQUINAR SUPERFICIES PULG $\begin{matrix} 125 \\ \end{matrix}$ mm $\begin{matrix} 3.2 \end{matrix}$ DIMS METRICAS MOSTRADAS [PARENTESIS]	DIBUJADO POR: J.HESS	08-03-2012	 REGAL-BELOIT CORPORATION		
		APROBADO POR: J.RUPERT	08-03-2012	DESCRIPCION: PROCESS SPEC LABEL LOCATION INSTRUCTIONS		
		TERCER ANGULO DE PROYECCION 	FECHA EDS: 11-11-2011 REV. FORMATO: H			
		CONFIDENCIAL: ESTE DIBUJO Y SU INFORMACION SON PROPIEDAD DE USO EXCLUSIVO Y CONFIDENCIAL DE REGAL-BELOIT CORPORATION Y NO DEBERAN SER REVELADOS, DUPLICADOS, DISTRIBUIDOS O USARSE DE OTRA MANERA SIN EL CONSENTIMIENTO ESCRITO DE REGAL-BELOIT CORPORATION.-TODOS LOS DERECHOS RESERVADOS.		TAMAÑO: A	NUMERO DE DIBUJO: PS0912	
				ESCALA:NONE	HOJA: 1	



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版本	ECO	编制	日期	批准	日期
A	ECO-0026018	J.HESS	08-03-2012	J.RUPERT	08-03-2012



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: 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: J.HESS	08-03-2012
批准: J.RUPERT	08-03-2012
第三角投影	⊕ ⊞ 图纸格式发布日期 11-11-2011 图纸格式版本 H
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名称 PROCESS SPEC LABEL LOCATION INSTRUCTIONS	
图幅 A	图号 PS0912
比例 NONE	页号 1

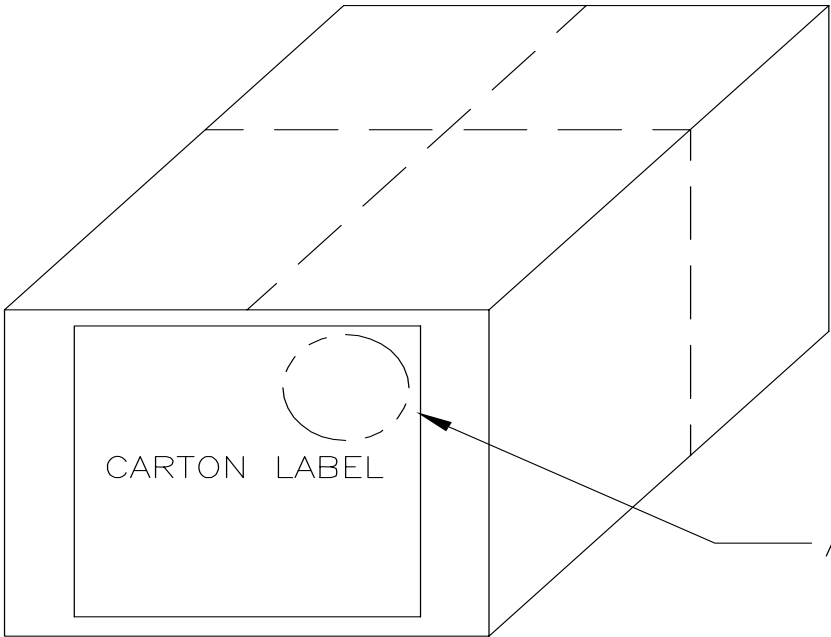


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APPLY ANY OF THE BELOW LISTED LABELS WHEN APPLICABLE. SEE BOM FOR USAGE.

- 2515052-001
- 2515054-001
- 2515055-001
- 2515058-001
- 2515058-002
- 2515058-003
- 2515058-004
- 2517563-001

REV	ECO	REV BY	DATE	APPD	DATE
B	0039625	G. RODRIGUEZ	10-25-2013	TERESITA REYES	10-25-2013



APPLY LABEL WHEN APPLICABLE.

NOTES:

- 1. PLACE LABEL ON TOP RIGHT CORNER OF CARTON LABEL.

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:
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:	J.HESS	09-27-2013
APPD:	T.RILEY	09-27-2013
THIRD ANGLE PROJECTION		EDS DATE FORMAT REV H
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DESCRIPTION		
PROCESS SPEC LABEL LOCATION INSTRUCTIONS		
SIZE	DWG NO	
A	PS0928	
SCALE	NONE	SHEET 1

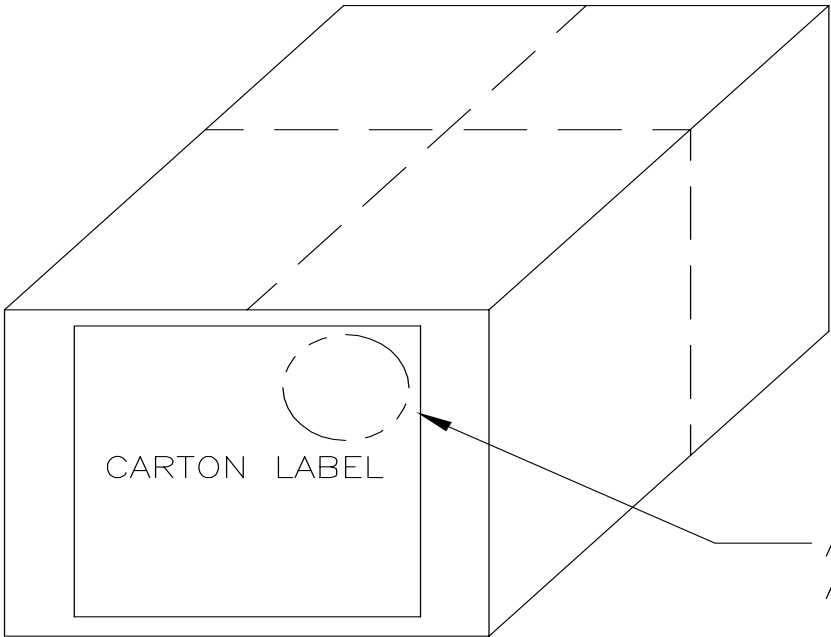


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APLICAR CUALQUIERA DE LAS ETIQUETAS QUE FIGURAN A CONTINUACION EN CASO DE QUE CORRESPONDAN. VER LISTA DE MATERIALES PARA SU USO.

- 2515052-001
- 2515054-001
- 2515055-001
- 2515058-001
- 2515058-002
- 2515058-003
- 2515058-004
- 2517563-001

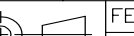
REVISION:	ECO	REVISADO POR:	FECHA:	APROBADO POR:	FECHA:
B	0039625	G. RODRIGUEZ	10-25-2013	TERESITA REYES	10-25-2013



APLICAR ETIQUETA CUANDO SEA APLICABLE

NOTAS:

1. COLOCAR ETIQUETA EN LA PARTE SUPERIOR DERECHA DE LA ESQUINA DEL CARTON

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: PULG $\begin{matrix} X \\ XX \\ XXX \\ XXXX \end{matrix}$ mm $\begin{matrix} \pm.1 & \pm.02 & \pm.005 & \pm.0005 \\ \pm 0.5 & \pm 0.13 & \pm 0.013 \end{matrix}$ ANG. $\pm.50$ 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 $\begin{matrix} 125 \\ 3.2 \end{matrix}$ mm DIMS METRICAS MOSTRADAS [PARENTESIS]	DIBUJADO POR: J.HESS	09-27-2013	REGAL REGAL-BELOIT CORPORATION			
		APROBADO POR: T.RILEY	09-27-2013	DESCRIPCION:			
		TERCER ANGULO DE PROYECCION		FECHA EDS: REV. FORMATO: H	PROCESS SPEC LABEL LOCATION INSTRUCTIONS		
		CONFIDENCIAL: ESTE DIBUJO Y SU INFORMACION SON PROPIEDAD DE USO EXCLUSIVO Y CONFIDENCIAL DE REGAL-BELOIT CORPORATION Y NO DEBERAN SER REVELADOS, DUPLICADOS, DISTRIBUIDOS O USARSE DE OTRA MANERA SIN EL CONSENTIMIENTO ESCRITO DE REGAL-BELOIT CORPORATION.-TODOS LOS DERECHOS RESERVADOS.			TAMAÑO: A	NUMERO DE DIBUJO: PS0928	
					ESCALA:NONE		HOJA: 1