ABB BALDOR RELIANCE

Customer information packet

FDL3712TM

10HP, 1730RPM, 1PH, 60HZ, 213T, 3752LC, TEFC, F
Class - None
Division - Not Applicable

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Specifications

Enclosure	TEFC
Frame	213T
Frame Material	Steel
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Cap Start, Cap Run
Output @ Frequency	10.000 HP @ 60 HZ
Phase	1
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ
Agency Approvals	UR
	CSA
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Auxiliary Box Lead Termination	None
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	39.000 A @ 230.0 V
Design Code	L
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	86.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	39.0 a
Insulation Class	F
Inverter Code	Not Inverter
KVA Code	H

Part Detail

Revision	E
Type	AC
Mech. spec.	37N374
Base	
Status	PRD/A
Elec. spec.	37WGT913
Layout	37LYN374
Eff. date	12-02-2025
CD Diagram	CD0152
Poles	04
Leads	2#10 A PH,3#14 B PH
Proprietary	False
Created date	11-20-2020

Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Quantity/Wire Size	2 @ 10 AWG, A PH
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3750LC
Mounting Arrangement	F1
Number of Poles	4
Overall Length	21.37 IN
Power Factor	96
Product Family	General Purpose
Pulley End Bearing Type	Sealed Bearing
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
Service Factor	1.00
Shaft Diameter	1.375 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger
Speed	1730 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None
Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	Manual Thermal Overload
Winding Thermal 1 Location	KO
Winding Thermal 2	None

Nameplate

NP1280L									
CAT.NO.	FDL3712TM								
SPEC.	37N374T913G1								
HP	10								
VOLTS	230								
AMP	39								
RPM	1730								
FRAME	215T	**HZ**	60		**PH**	1			
SER.F.	1.00	**CODE**	H	**DES**	L	**CL**	F		
NEMA-NOM-EFF	86.5	**PF**	96						
RATING	40C AMB-CONT								
CC									
DE	6307	**ODE**	6206						
ENCL	TEFC	**SN**							

AC Induction Motor Performance Data
Record # 21642
Typical performance - not guaranteed values

Winding: 37WGT913-R001	**Type:** 3752LC	**Enclosure:** TEFC

Nameplate Data				**230 V, 60 Hz: Single Voltage Motor**	
Rated Output (HP)			10	**Full Load Torque**	30.48 LB-FT
Volts			230	**Start Configuration**	direct on line
Full Load Amps			39	**Breakdown Torque**	86.2 LB-FT
R.P.M.			1730	**Pull-up Torque**	63.3 LB-FT
Hz	60	**Phase**	1	**Locked-rotor Torque**	125 LB-FT
NEMA Design Code	L	**KVA Code**	H	**Starting Current**	300 A
Service Factor (S.F.)			1	**No-load Current**	11.6 A
NEMA Nom. Eff.	86.5	**Power Factor**	96	**Line-line Res. @ 25ºC**	0.1493 Ω A Ph 0.41 Ω B Ph
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	97°C
				Locked-rotor Power Factor	92.9
				Rotor inertia	1.23 lb-ft²

Load Characteristics 230 V, 60 Hz, 10 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**
Power Factor	74	88	93	94	95	94
Efficiency	73.3	83.9	86.8	86.1	82.6	80.4
Speed	1780	1765	1746	1726	1701	1667
Line amperes	14.7	22	30.3	39.9	51	63.8

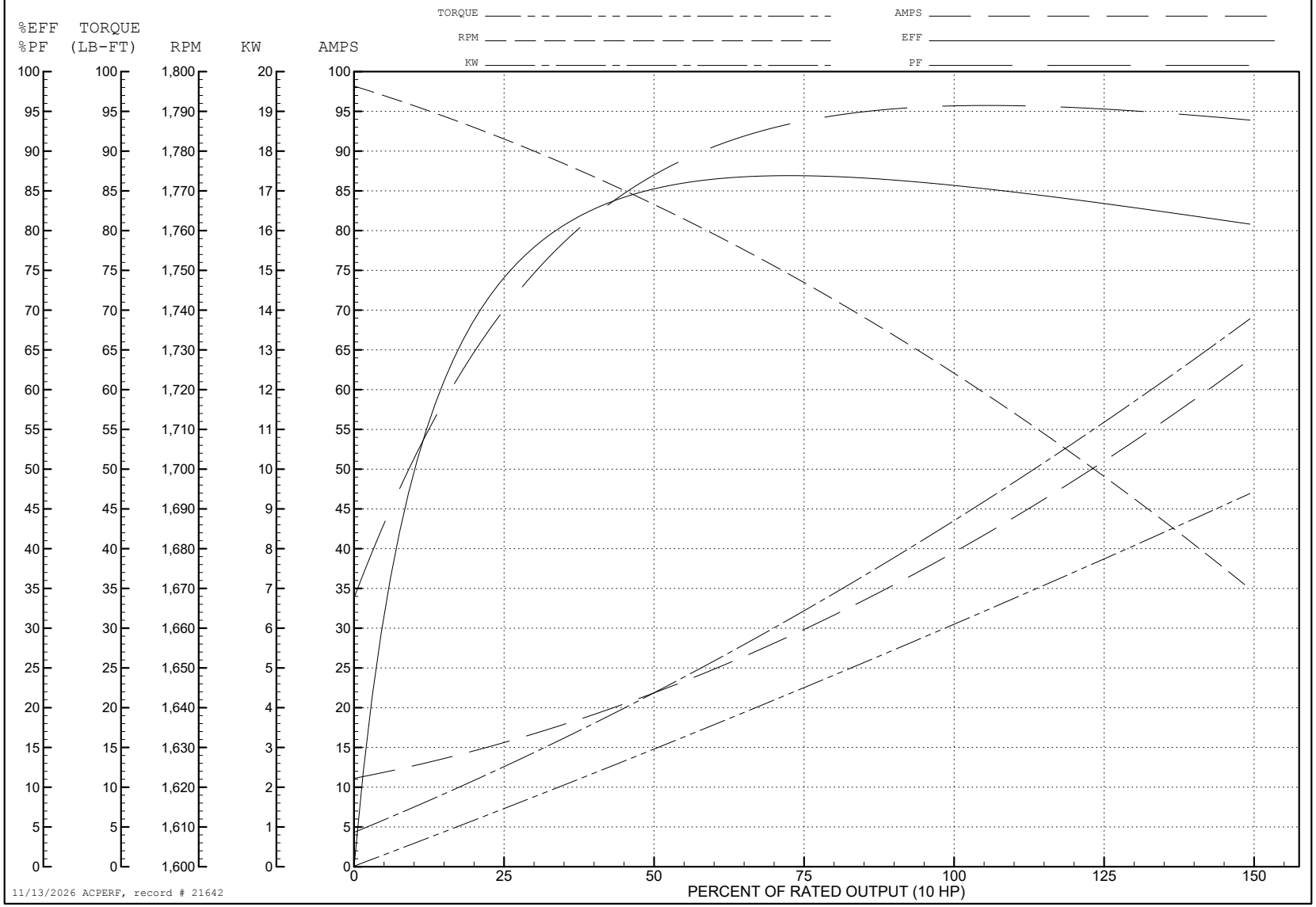
ABB Motors and Mechanical Inc.

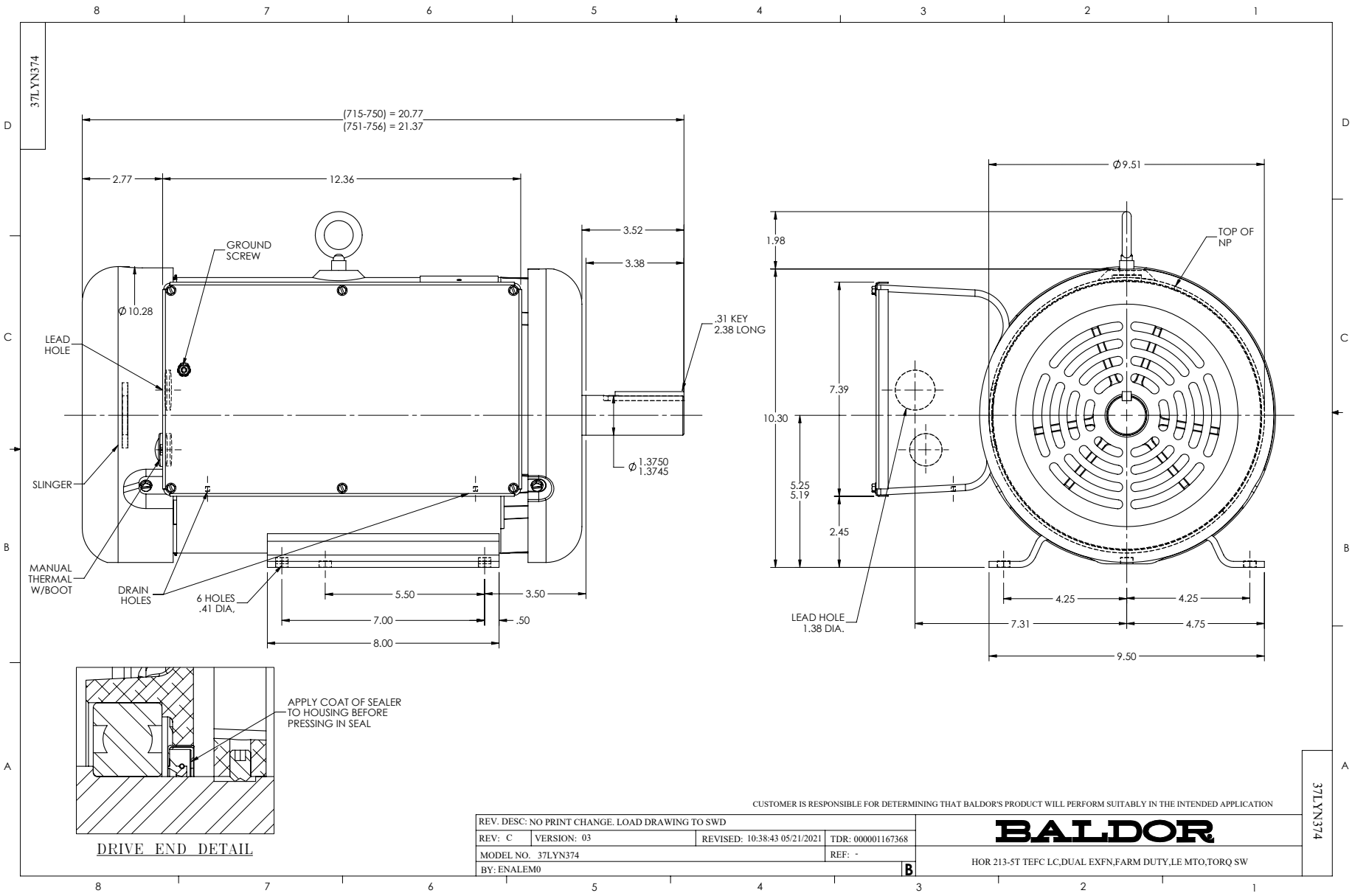
WINDING # 37WGT913

10 HP 1 PH 60 HZ 1730 RPM 230 V 3752LC

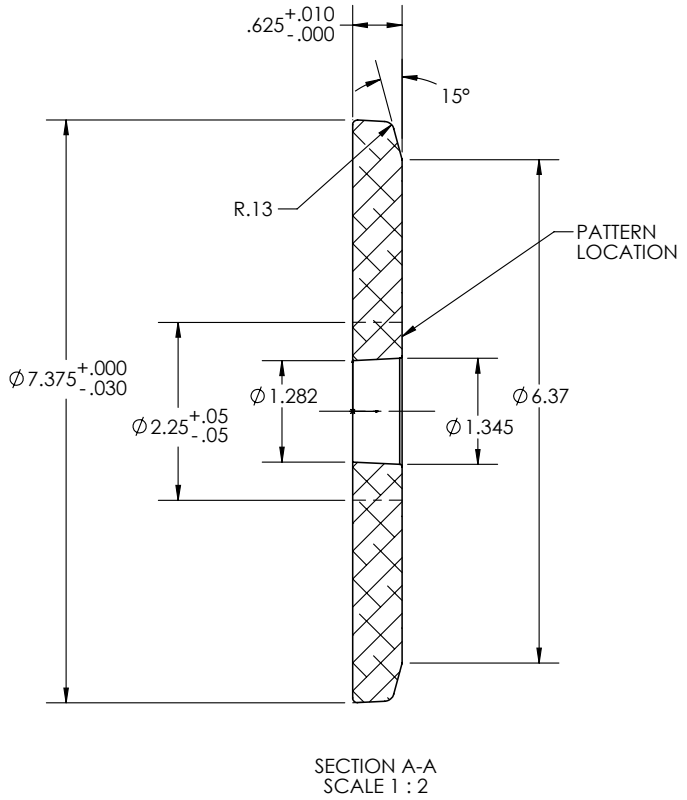
Typical performance - not guaranteed values.

TORQUES(LB-FT): PO=86.2 PU=63.3 LR=125 LRA=300

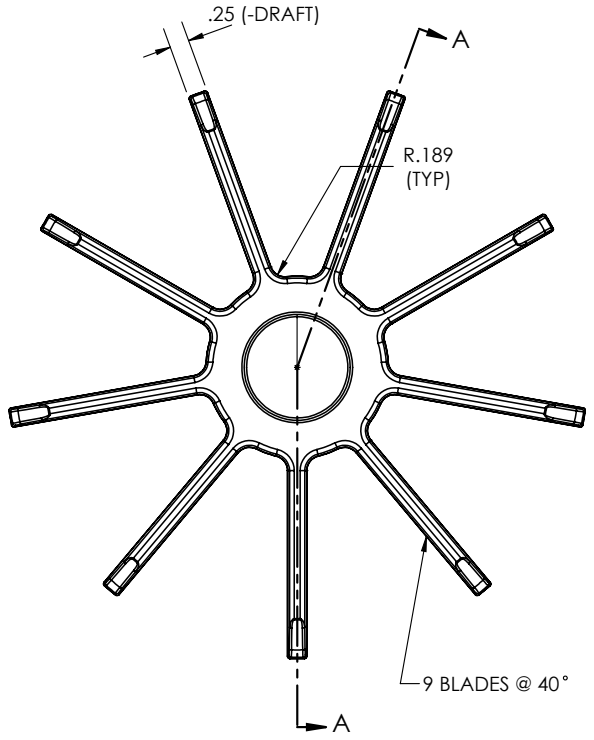



37LYN374
(715-750) = 20.77
(751-756) = 21.37
2.77
12.36
3.52
3.38
GROUND SCREW
Ø10.28
LEAD HOLE
.31 KEY 2.38 LONG
Ø1.3750 1.3745
SLINGER
MANUAL THERMAL W/BOOT
DRAIN HOLES
6 HOLES .41 DIA,
5.50
3.50
7.00
.50
8.00
Ø9.51
1.98
TOP OF NP
7.39
10.30
5.25 5.19
2.45
LEAD HOLE 1.38 DIA.
4.25
4.25
7.31
4.75
9.50
APPLY COAT OF SEALER TO HOUSING BEFORE PRESSING IN SEAL
DRIVE END DETAIL
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: NO PRINT CHANGE. LOAD DRAWING TO SWD
REV: C
VERSION: 03
REVISED: 10:38:43 05/21/2021
TDR: 000001167368
MODEL NO. 37LYN374
REF: -
BY: ENALEM0
B
BALDOR
HOR 213-5T TEFC LC,DUAL EXFN,FARM DUTY,LE MTO,TORQ SW
37LYN374

36FN3004



SECTION A-A
SCALE 1 : 2



DIE CAST ALUMINUM TOLERANCES UNLESS OTHERWISE SPECIFIED	
2 PLCS 0-1" ±.010 3 PLCS 0-1" ±.004	RL FLASH GROWTH ALLOWANCE .015"
ABOVE 1" ±.001/INCH	ANGLES ±0.5°
UNSPECIFIED FEATURE DIMENSIONS: RADII=.03-.06	DRAFT ANGLES = 2.88°

WEIGHT = 9 OZ.

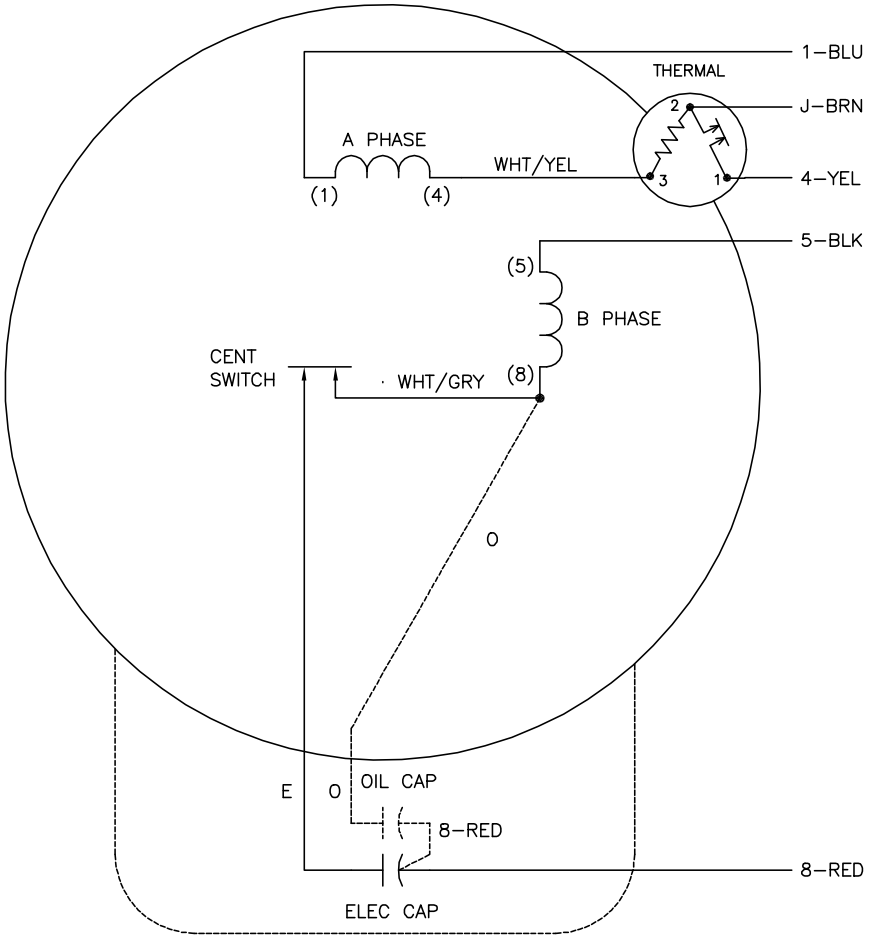
REV. DESC: INCREASE RADIUS AROUND HUB AREA			
REV: B	VERSION: 02	REVISED: 02:56:33 05/10/2017	TDR: 000001027912
36FN3004	MODEL NO. 36FN3004		REF: -
	BY: USFRHAR	Material: - DIE CAST ALUMINUM	

BALDOR

FAN EXTERNAL 36 FRAME - EXPLOSION PROOF DIE CAST

36FN3004

CD0152



	LINE A	LINE B	JOIN
STD	1,8	4	J,5
OPP	1,5	4	J,8

NOTES:

1. STANDARD ROTATION IS CCW FACING END OPPOSITE SHAFT EXTENSION.
2. MULTIPLE CAPACITORS ARE CONNECTED IN PARALLEL UNLESS OTHERWISE SPECIFIED.
3. OPTIONAL OIL CAPACITOR IS PROVIDED WHEN SPECIFIED.
4. CAPACITORS MAY BE SEPERATELY MOUNTED.
5. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

REV. DESC: REMOVE OPTIONAL THERMAL CONNECTION			BALDOR ELECTRIC Co.
REV. LTR: D	VERSION: 01	TDR: 000000373039	
CD0152	FILE: \AAA\00026\903	REVISED: 11:23:45 08/11/2005	TYPE L OR LC, SV, REV, 5 LDS, THERM, CAPS MAY BE SEP MTD
	MTL: –	BY: ENJOEP0	

CD0152