ABB BALDOR RELIANCE

Customer information packet

DEL3733TM

7.5HP, 1725RPM, 1PH, 60HZ, 215T, 3750LC, TEFC
Class - None
Division - Not Applicable

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Specifications

Enclosure	TEFC
Frame	215T
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	7.500 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	50 °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	28.000 A @ 230.0 V
Design Code	L
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	85.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	28.0 a
Insulation Class	F
Inverter Code	Not Inverter

Part Detail

Revision	BC
Type	AC
Mech. spec.	37F364
Base	
Status	PRD/A
Elec. spec.	37WGW659
Layout	37LYF364
Eff. date	12-02-2025
CD Diagram	CD0152
Poles	04
Leads	2#10 A PH,3#14 B&J
Proprietary	False
Created date	01-01-0001

KVA Code	H
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Exit	Cap Box
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	20.77 IN
Power Factor	98
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
Service Factor	1.15
Shaft Diameter	1.375 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1725 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.	DEL3733TM										
SPEC.	37F364W659										
HP	7.5										
VOLTS	230										
AMP	28										
RPM	1725										
FRAME	215T	**HZ**	60		**PH**	1					
SER.F.	1.15	**CODE**	H	**DES**	L	**CL**	F				
NEMA-NOM-EFF	85	**PF**	98								
RATING	50C AMB-CONT										
CC											
DE	6307	**ODE**	6206								
ENCL	TEFC	**SN**									

AC Induction Motor Performance Data
Record # 11898
Typical performance - not guaranteed values

Winding: 37WGW659-R001	**Type:** 3750LC	**Enclosure:** TEFC

Nameplate Data				**230 V, 60 Hz: Single Voltage Motor**	
Rated Output (HP)			7.5	**Full Load Torque**	22.4 LB-FT
Volts			230	**Start Configuration**	direct on line
Full Load Amps			28	**Breakdown Torque**	58 LB-FT
R.P.M.			1725	**Pull-up Torque**	50 LB-FT
Hz	60	**Phase**	1	**Locked-rotor Torque**	93 LB-FT
NEMA Design Code	L	**KVA Code**	H	**Starting Current**	220 A
Service Factor (S.F.)			1.15	**No-load Current**	10.8 A
NEMA Nom. Eff.	85	**Power Factor**	98	**Line-line Res. @ 25ºC**	0.271 Ω A Ph 0.579 Ω B Ph
Rating - Duty			50C AMB-CONT	**Temp. Rise @ Rated Load**	72°C
S.F. Amps				**Temp. Rise @ S.F. Load**	88°C

Load Characteristics 230 V, 60 Hz, 7.5 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	70	87	95	98	99	99	0
Efficiency	64.3	79	84.7	87.1	87.7	87.2	0
Speed	1789	1779	1768	1757	1744	1729	0
Line amperes	13.6	17.7	22.8	28.5	34.8	41.9	32.3

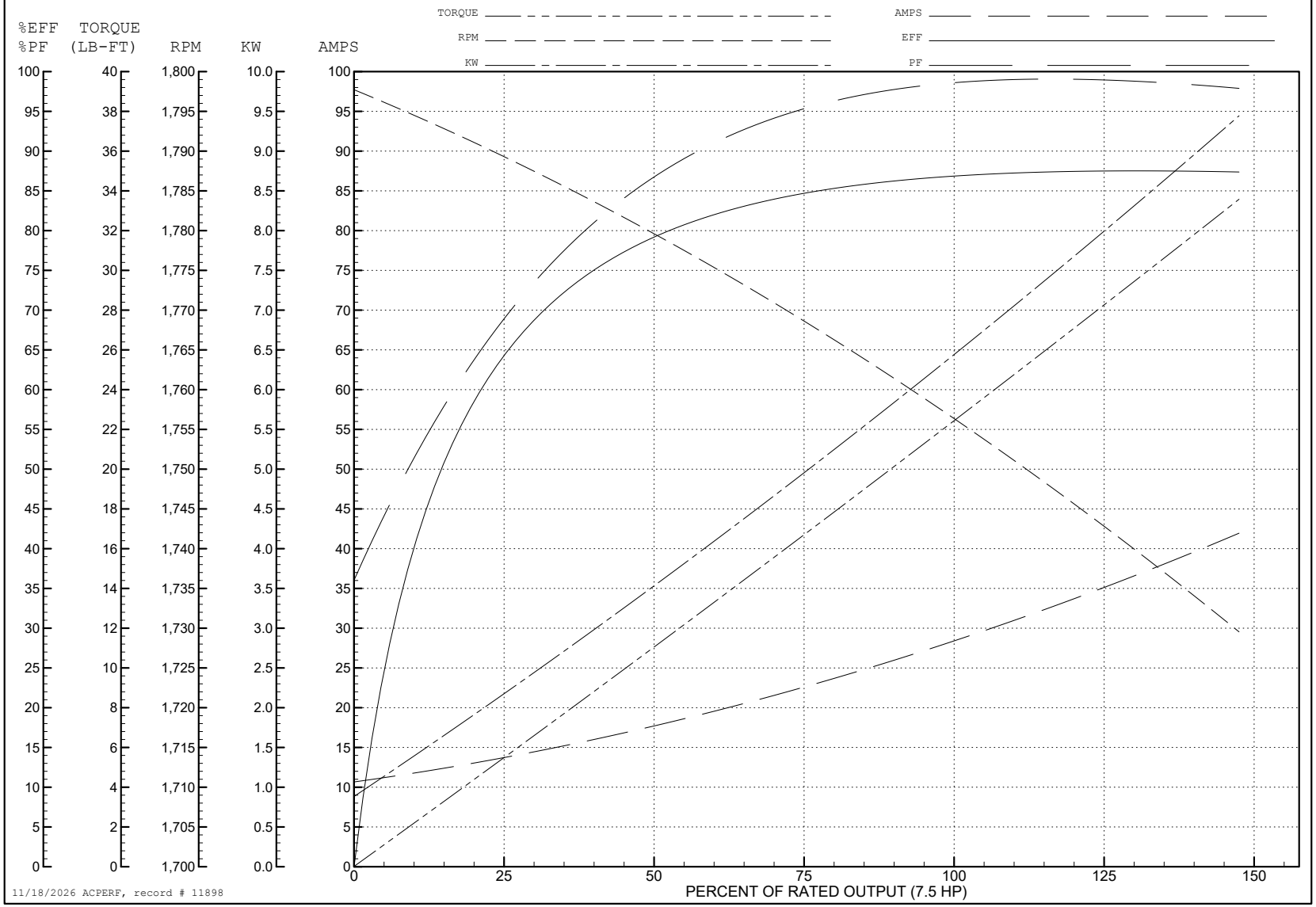
ABB Motors and Mechanical Inc.

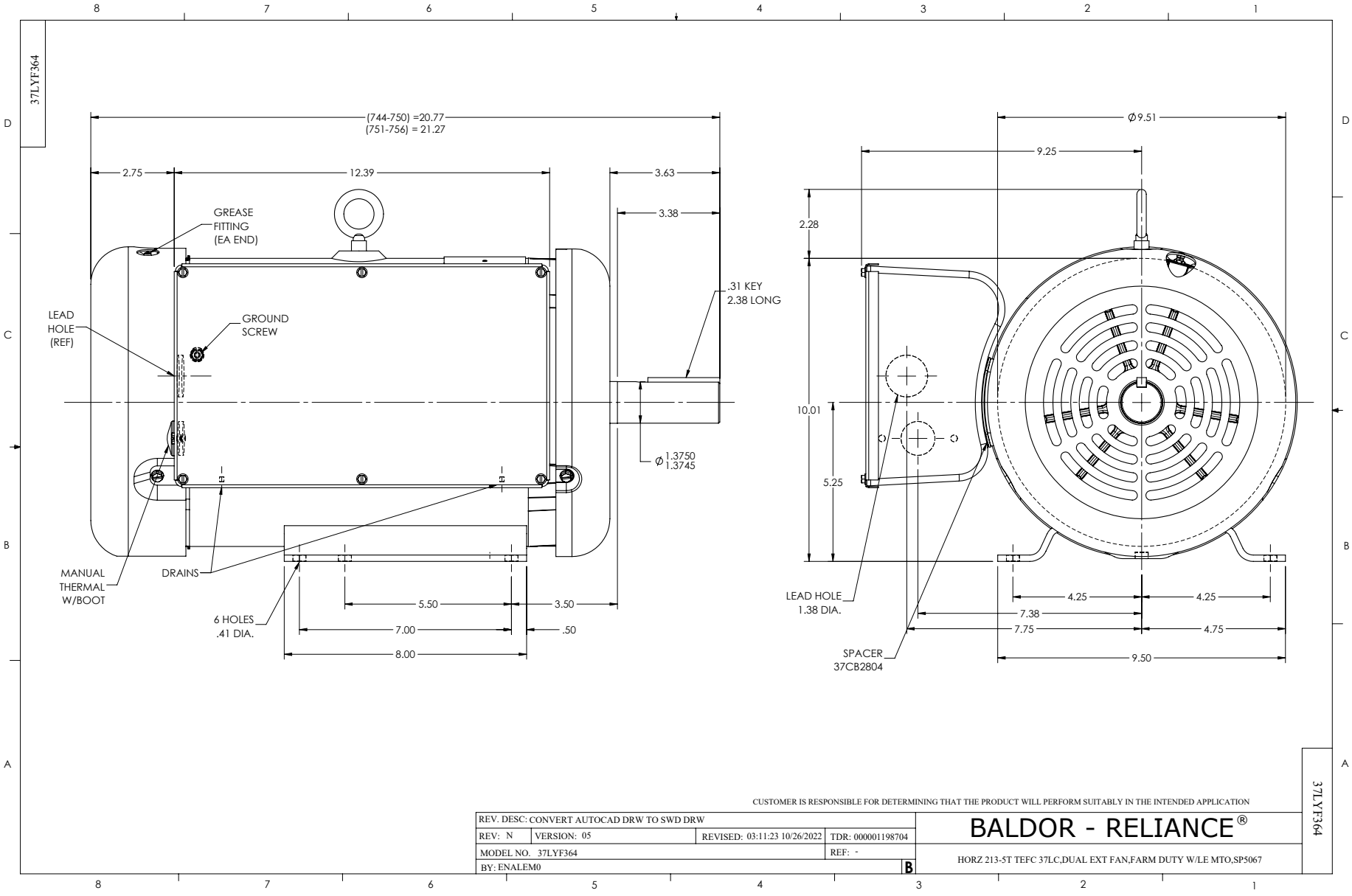
WINDING # 37WGW659

7.5 HP 1 PH 60 HZ 1725 RPM 230 V 3750LC

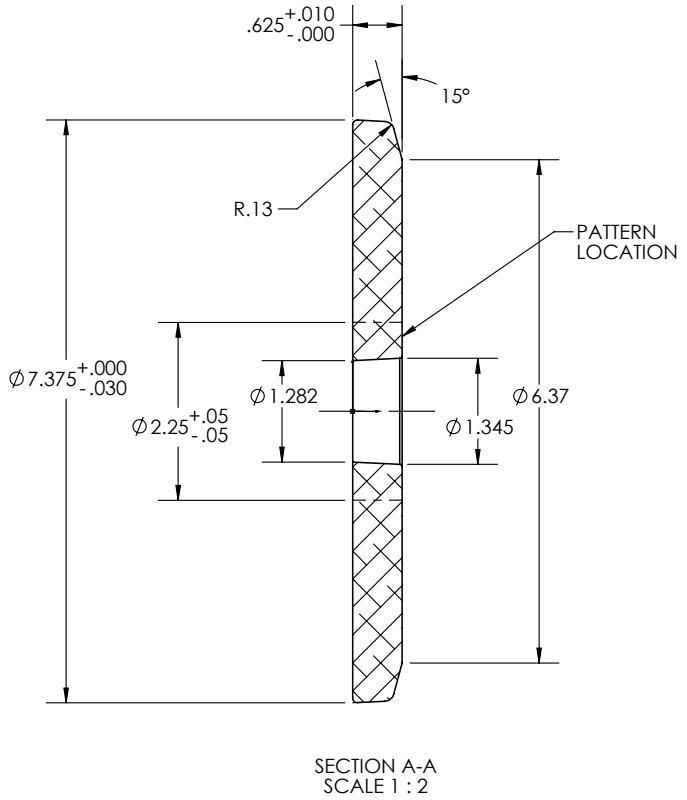
Typical performance - not guaranteed values.

TORQUES(LB-FT): PO=58 PU=50 LR=93 LRA=220

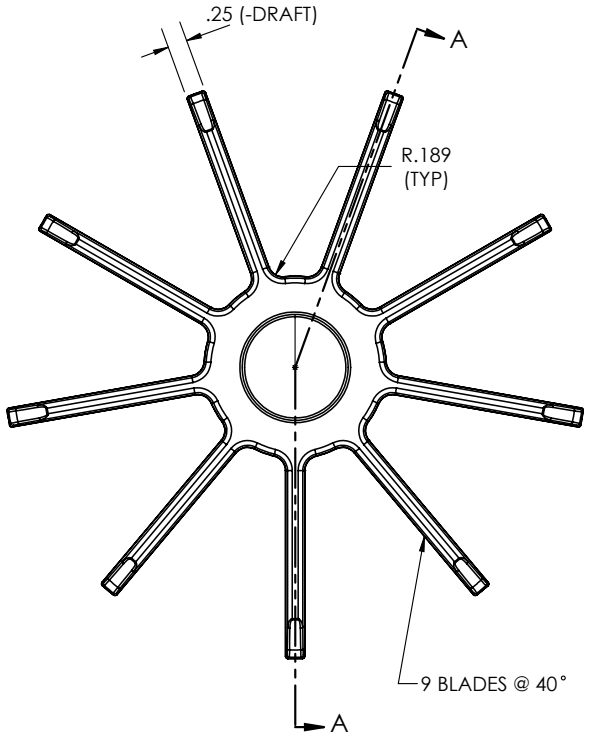



37LYF364
(744-750) =20.77
(751-756) = 21.27
2.75
12.39
3.63
3.38
GREASE FITTING (EA END)
.31 KEY 2.38 LONG
LEAD HOLE (REF)
GROUND SCREW
Ø 1.3750 1.3745
MANUAL THERMAL W/BOOT
DRAINS
6 HOLES .41 DIA.
5.50
3.50
7.00
.50
8.00
Ø9.51
9.25
2.28
10.01
5.25
LEAD HOLE 1.38 DIA.
SPACER 37CB2804
4.25
4.25
7.38
7.75
4.75
9.50
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: CONVERT AUTOCAD DRW TO SWD DRW
REV: N
VERSION: 05
REVISED: 03:11:23 10/26/2022
TDR: 000001198704
MODEL NO. 37LYF364
REF: -
BY: ENALEM0
B
BALDOR - RELIANCE®
HORZ 213-5T TEFC 37LC,DUAL EXT FAN,FARM DUTY W/LE MTO,SP5067
37LYF364

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.

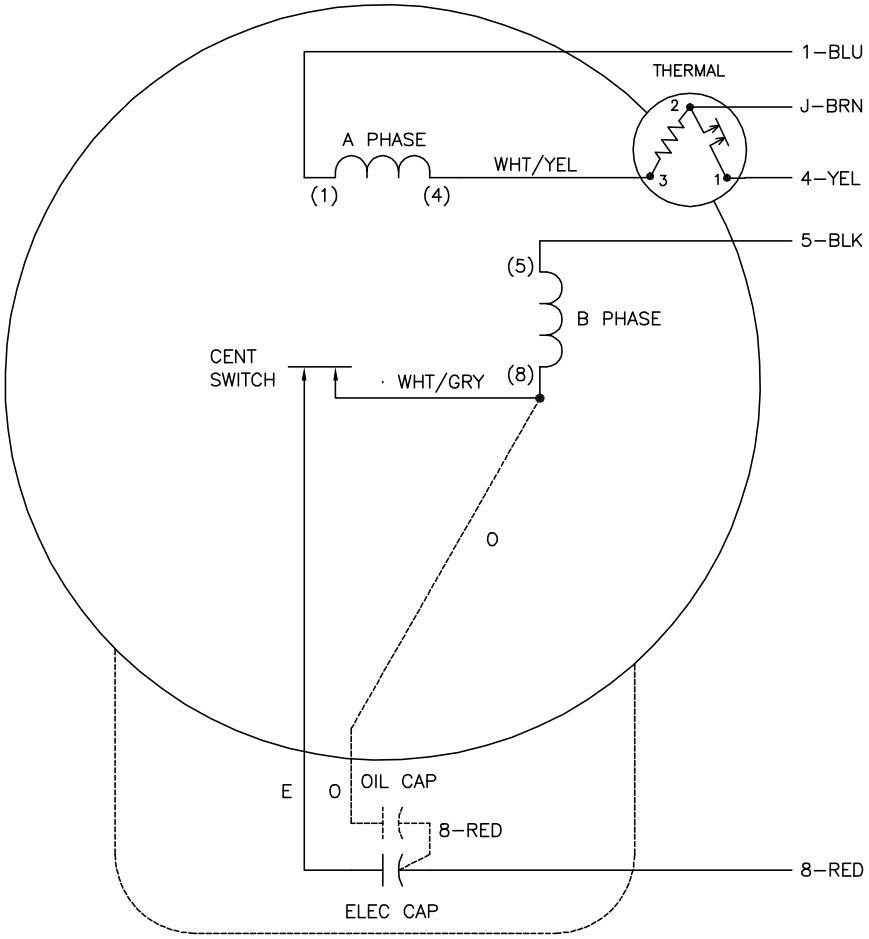
REV. DESC: INCREASE RADIUS AROUND HUB AREA			
REV: B	VERSION: 02	REVISED: 02:56:33 05/10/2017	TDR: 000001027912
36FN3004	MODEL NO. 36FN3004		REF: -
	BY: USFRHAR	Material: - DIE CAST ALUMINUM	

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