



Product Information Packet

FDL3712TM

10HP,1730RPM,1PH,60HZ,213T,3752LC,TEFC,F

Part Detail

Revision:	B	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	37WGT913	CD Diagram:	CD0152	Mfg Plant:	
Mech. Spec:	37N374	Layout:	37LYN374	Poles:	04	Created Date:	11-20-2020
Base:	RG	Eff. Date:	03-03-2021	Leads:	2#10 A PH,3#14 B PH		

Specs

Catalog Number:	FDL3712TM	KVA Code:	H
Enclosure:	TEFC	Lifting Lugs:	Standard Lifting Lugs
Frame:	215T	Locked Bearing Indicator:	Locked Bearing
Frame Material:	Steel	Motor Lead Quantity/Wire Size:	2 @ 10 AWG, A PH
Motor Letter Type:	Cap Start, Cap Run	Motor Lead Exit:	Cap Box
Output @ Frequency:	10.000 HP @ 60 HZ	Motor Lead Termination:	Flying Leads
Synchronous Speed @ Frequency:	1800 RPM @ 60 HZ	Motor Type:	3752LC
Voltage @ Frequency:	230.0 V @ 60 HZ	Mounting Arrangement:	F1
XP Class and Group:	None	Power Factor:	96
XP Division:	Not Applicable	Product Family:	General Purpose
Agency Approvals:	UR	Product Type:	FARM DUTY
	CSA	Pulley End Bearing Type:	Sealed Bearing
Auxiliary Box:	No Auxiliary Box	Pulley Face Code:	Standard
Auxiliary Box Lead Termination:	None	Pulley Shaft Indicator:	Standard
Base Indicator:	Rigid	Rodent Screen:	None
Bearing Grease Type:	Polyrex EM (-20F +300F)	Shaft Extension Location:	Pulley End
Blower:	None	Shaft Ground Indicator:	No Shaft Grounding
Current @ Voltage:	39.000 A @ 230.0 V	Shaft Rotation:	Reversible

Design Code:	L	Shaft Slinger Indicator:	Shaft Slinger
Drip Cover:	No Drip Cover	Speed Code:	Single Speed
Duty Rating:	CONT	Motor Standards:	NEMA
Electrically Isolated Bearing:	Not Electrically Isolated	Starting Method:	Direct on line
Feedback Device:	NO FEEDBACK	Thermal Device - Bearing:	None
Front Face Code:	Standard	Thermal Device - Winding:	None
Front Shaft Indicator:	None	Vibration Sensor Indicator:	No Vibration Sensor
Heater Indicator:	No Heater	Winding Thermal 1:	Manual Thermal Overload
Insulation Class:	F	Winding Thermal 1 Location:	KO
Inverter Code:	Not Inverter	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				USABLE AT 208V							
DE	6307				ODE	6206					
ENCL	TEFC			SN							

AC Induction Motor Performance Data

Record # 21642

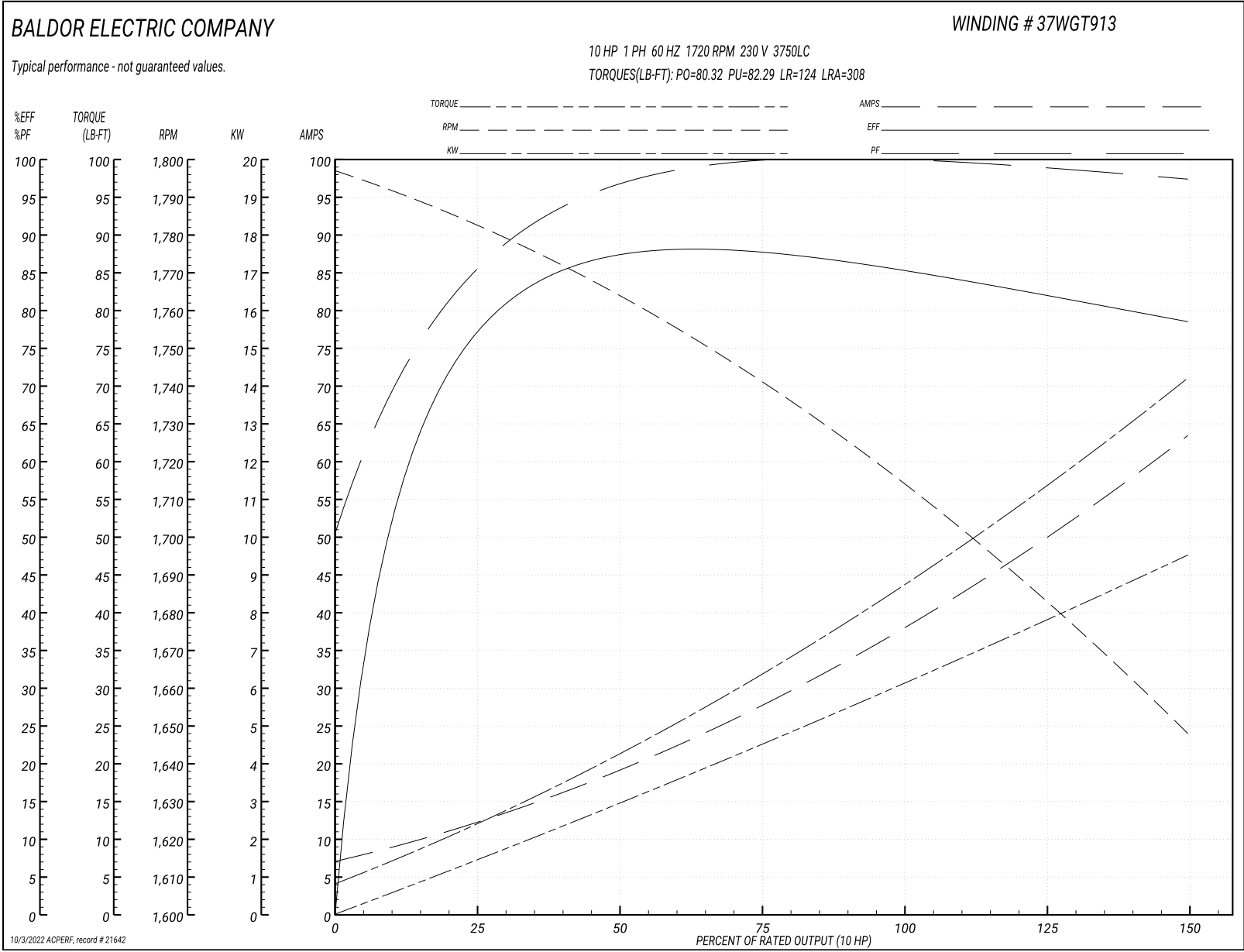
Typical performance - not guaranteed values

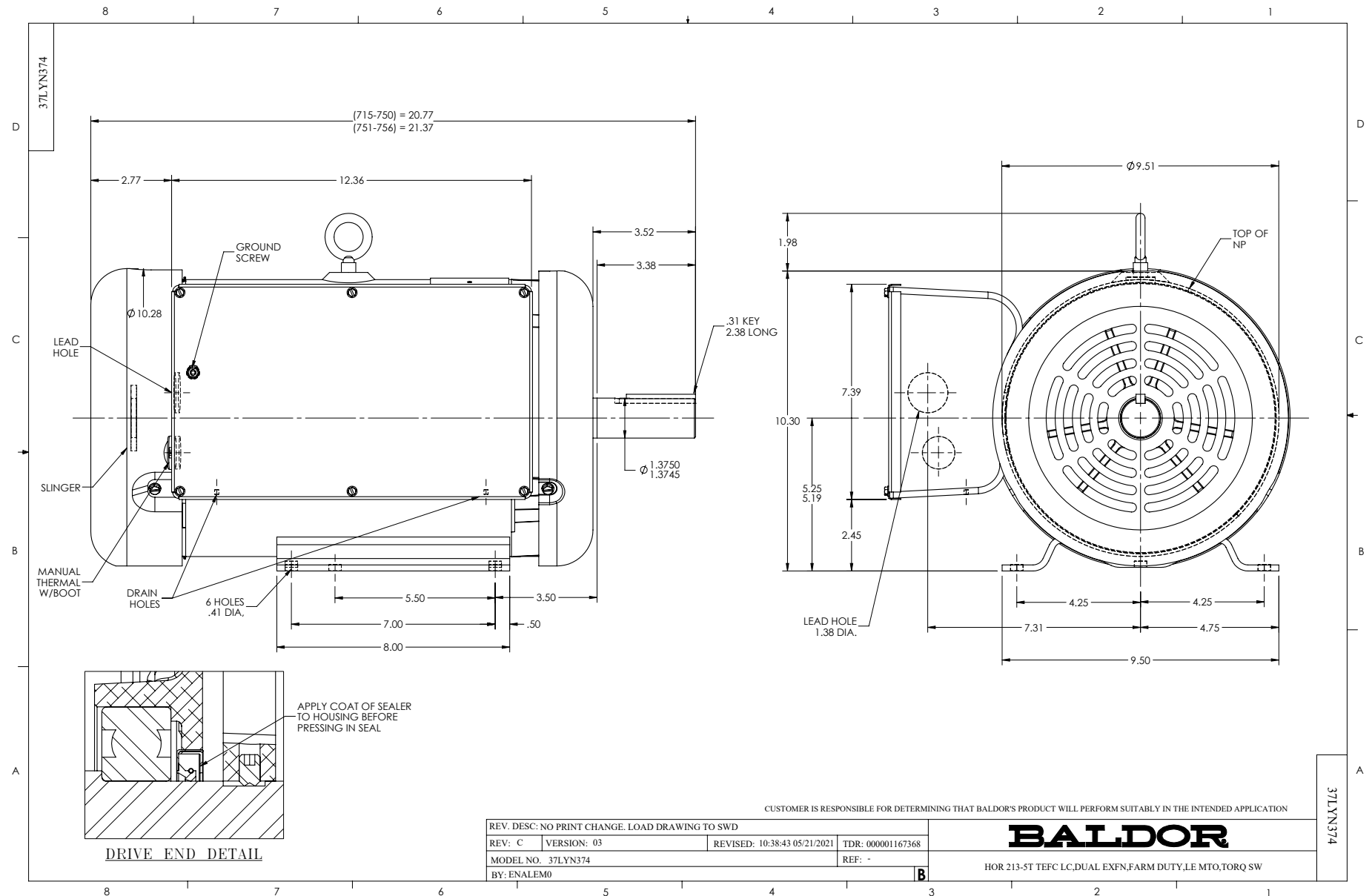
Winding: 37WGT913-R001				Type: 3750LC		Enclosure: TEFC		
Nameplate Data				230 V, 60 Hz: Single Voltage Motor				
Rated Output (HP)		10		Full Load Torque		30.42 LB-FT		
Volts		230		Start Configuration		direct on line		
Full Load Amps		38		Breakdown Torque		80.32 LB-FT		
R.P.M.		1720		Pull-up Torque		82.29 LB-FT		
Hz	60	Phase	1	Locked-rotor Torque		124 LB-FT		
NEMA Design Code		L		KVA Code	H		Starting Current	308 A
Service Factor (S.F.)		1		No-load Current		7.04 A		
NEMA Nom. Eff.		86.5	Power Factor	96	Line-line Res. @ 25°C		0.219 Ω A Ph 0.695 Ω B Ph	
Rating - Duty		40C		AMB-CONT		Temp. Rise @ Rated Load		95°C
						Locked-rotor Power Factor		92.9
						Rotor inertia		1.23 lb-ft²

Load Characteristics 230 V, 60 Hz, 10 HP

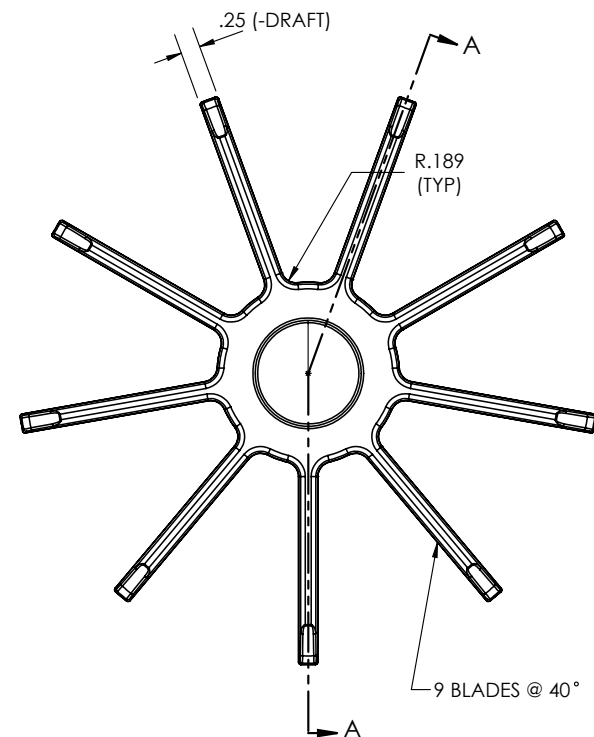
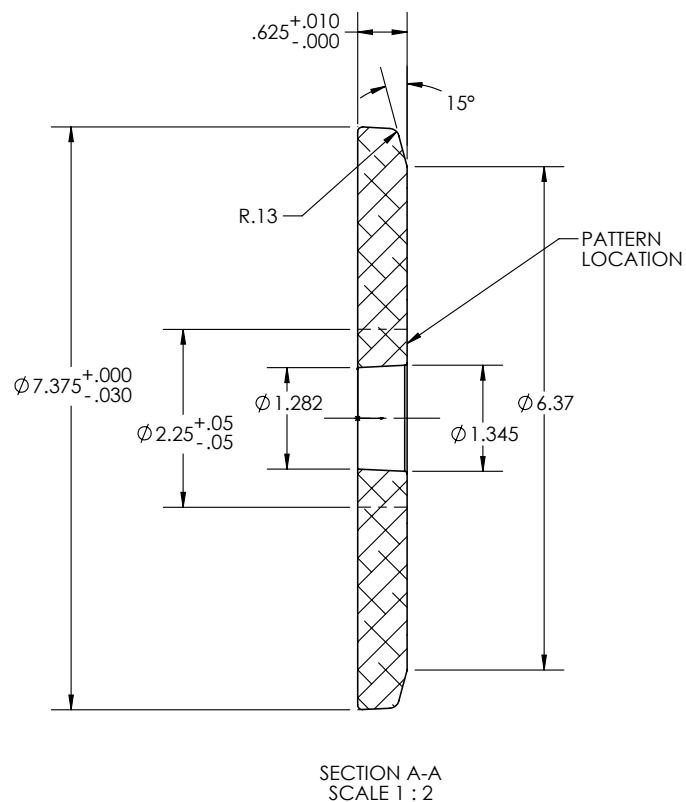
% of Rated Load	25	50	75	100	125	150
Power Factor	88	97	99	100	99	97
Efficiency	75.4	85.9	87.3	86.1	82.6	78.1
Speed	1781	1762	1741	1717	1685	1646
Line amperes	11.97	19.46	27.99	37.6	49.37	63.82

Performance Graph at 230V, 60Hz, 10.0HP Typical performance - Not guaranteed values





36FN3004



**DIE CAST ALUMINUM TOLERANCES
UNLESS OTHERWISE SPECIFIED**

2 PLCS	0-1" ±.010	FLASH GROWTH
3 PLCS	0-1" ±.004	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

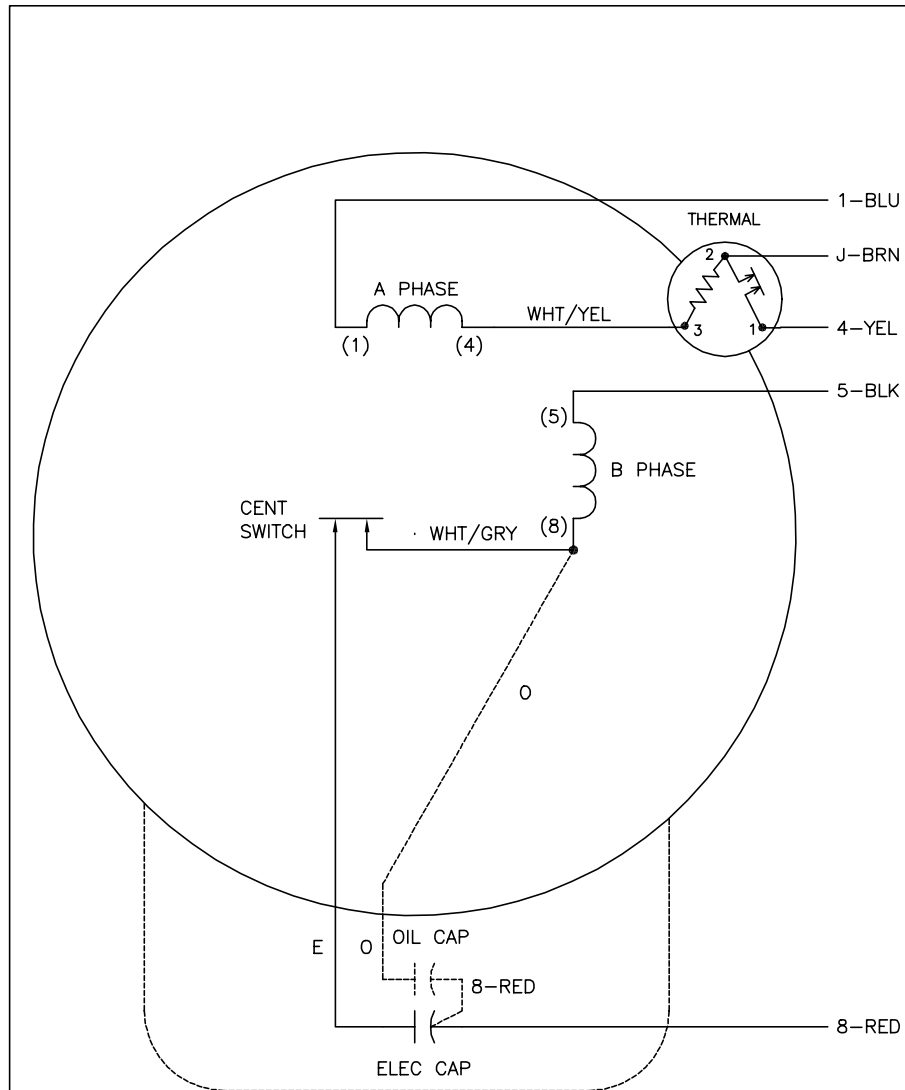
Material: - DIE CAST ALUMINUM

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

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			
REV. LTR: D	VERSION: 01	TDR: 000000373039	
CD0152	FILE: \AAA\00026\903	REVISED: 11:23:45 08/11/2005	
	MTL: -		BY: ENJOEPO

BALDOR ELECTRIC Co.

TYPE L OR LC, SV, REV, 5 LDS, THERM, CAPS MAY BE SEP MTD