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Product Information Packet

FDL3712TM

10HP,1725RPM,1PH,60HZ,215T,3750LC,TEFC,F

Part Detail

Revision:	K	**Status:**	PRD/A	**Change #:**		**Proprietary:**	No
Type:	AC	**Elec. Spec:**	37WGT040	**CD Diagram:**	CD0152	**Mfg Plant:**	
Mech. Spec:	37N374	**Layout:**	37LYN374	**Poles:**	04	**Created Date:**	12-11-2013
Base:	RG	**Eff. Date:**	05-16-2016	**Leads:**	2#10 A PH,3#14 B&J		

Specs

Catalog Number:	FDL3712TM	**KVA Code:**	G
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
Output @ Frequency:	10.000 HP @ 60 HZ	**Motor Lead Exit:**	Cap Box
Synchronous Speed @ Frequency:	1800 RPM @ 60 HZ	**Motor Lead Termination:**	Flying Leads
Voltage @ Frequency:	230.0 V @ 60 HZ	**Motor Type:**	3750LC
XP Class and Group:	None	**Mounting Arrangement:**	F1
XP Division:	Not Applicable	**Power Factor:**	94
Agency Approvals:	UR	**Product Family:**	General Purpose
	CSA	**Product Type:**	FARM DUTY
Auxillary Box:	No Auxillary Box	**Pulley End Bearing Type:**	Sealed Bearing
Auxillary Box Lead Termination:	None	**Pulley Face Code:**	Standard
Base Indicator:	Rigid	**Pulley Shaft Indicator:**	Standard
Bearing Grease Type:	Polyrex EM (-20F +300F)	**Rodent Screen:**	None
Blower:	None	**Shaft Extension Location:**	Pulley End
Current @ Voltage:	40.000 A @ 230.0 V	**Shaft Ground Indicator:**	No Shaft Grounding
Design Code:	L	**Shaft Rotation:**	Reversible

Drip Cover:	No Drip Cover
Duty Rating:	CONT
Electrically Isolated Bearing:	Not Electrically Isolated
Feedback Device:	NO FEEDBACK
Front Face Code:	Standard
Front Shaft Indicator:	None
Heater Indicator:	No Heater
Insulation Class:	F
Inverter Code:	Not Inverter

Shaft Slinger Indicator:	Shaft Slinger
Speed Code:	Single Speed
Motor Standards:	NEMA
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.	37N374T040G1						
HP	10						
VOLTS	230						
AMP	40						
RPM	1725						
FRAME	215T	**HZ**	60			**PH**	1
SER.F.	1.00	**CODE**	G	**DES**	L	**CL**	F
NEMA-NOM-EFF	84	**PF**	94				
RATING	40C AMB-CONT						
CC						**USABLE AT 208V**	
DE	6307	**ODE**	6206				
ENCL	TEFC	**SN**					

AC Induction Motor Performance Data

Record # 46112 - Typical performance - not guaranteed values

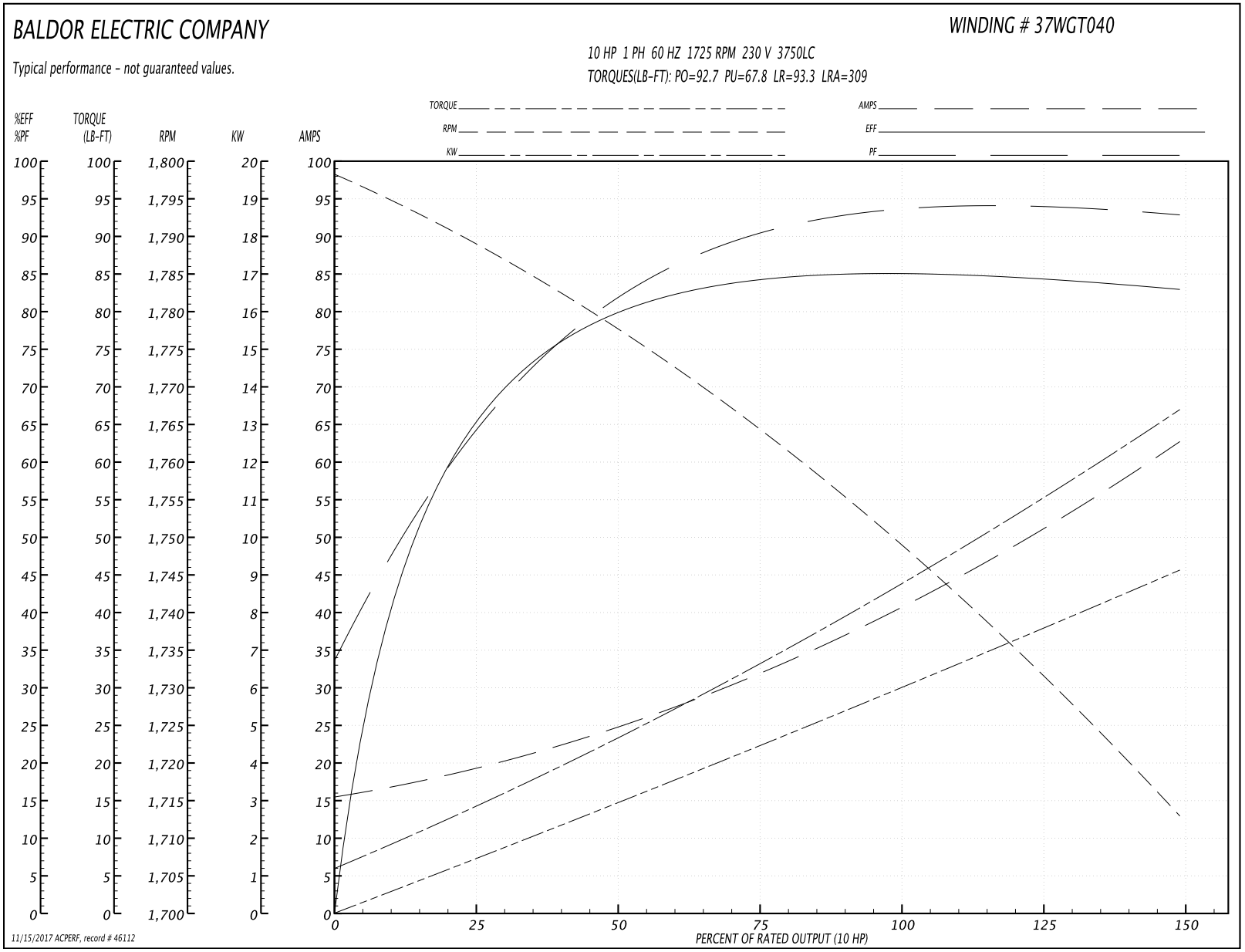
Winding: 37WGT040-R001	**Type:** 3750LC	**Enclosure:** TEFC

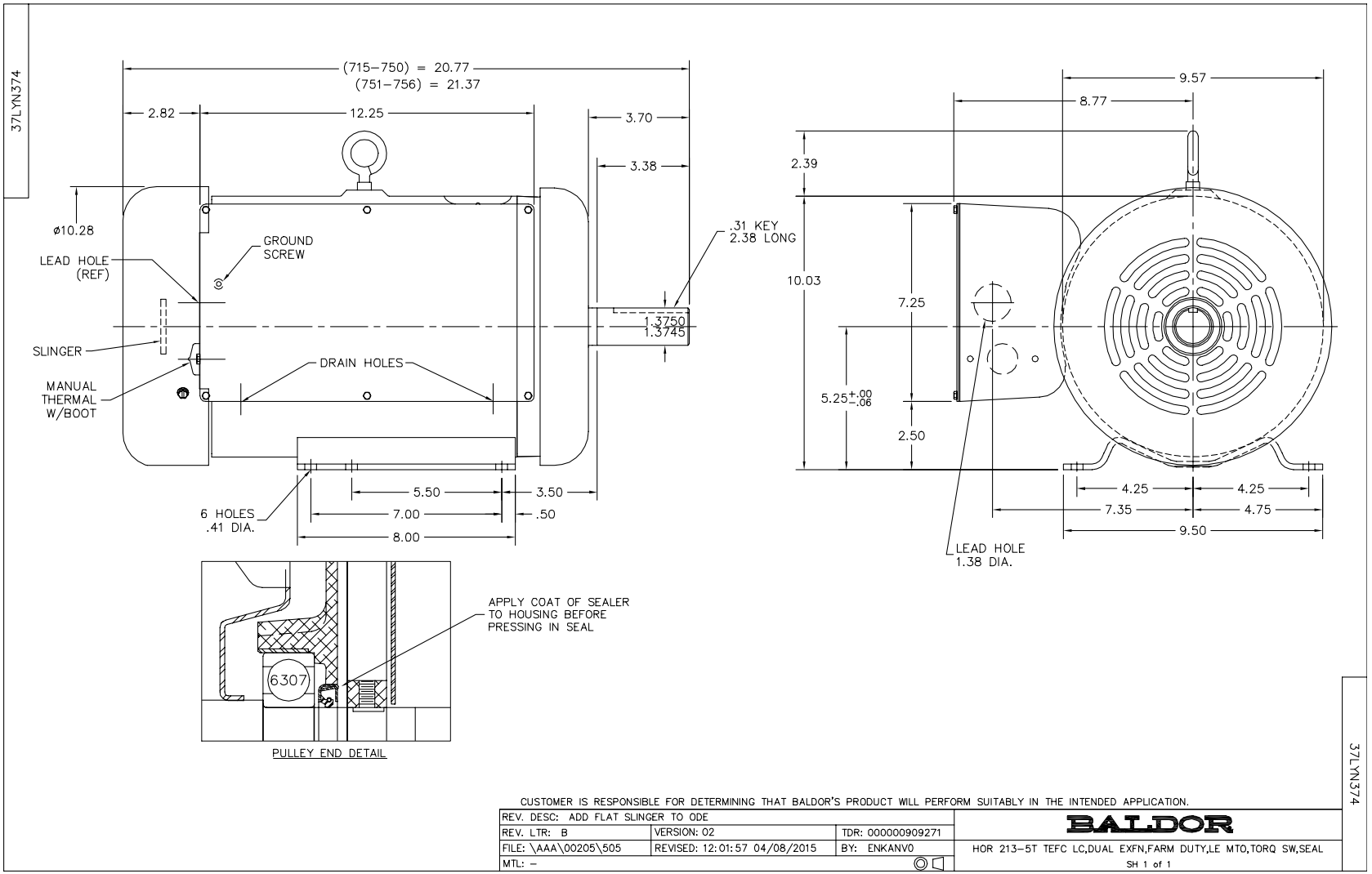
Nameplate Data				230 V, 60 Hz: Single Voltage Motor	
Rated Output (HP)	10			Full Load Torque	30.5 LB-FT
Volts	230			Start Configuration	direct on line
Full Load Amps	40			Breakdown Torque	92.7 LB-FT
R.P.M.	1725			Pull-up Torque	67.8 LB-FT
Hz	60	Phase	1	Locked-rotor Torque	93.3 LB-FT
NEMA Design Code	L	KVA Code	G	Starting Current	309 A
Service Factor (S.F.)	1			No-load Current	16 A
NEMA Nom. Eff.	84	Power Factor	94	Line-line Res. @ 25ºC	0.20218 Ω A Ph 0.61074 Ω B Ph
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	

Load Characteristics 230 V, 60 Hz, 10 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	68	85	90	93	94	94
Efficiency	65.7	79.7	84.1	85.3	84.7	82.6
Speed	1788	1776	1763	1749	1732	1712
Line amperes	18.8	24.8	32.8	41.8	51.6	62.4

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





CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION.

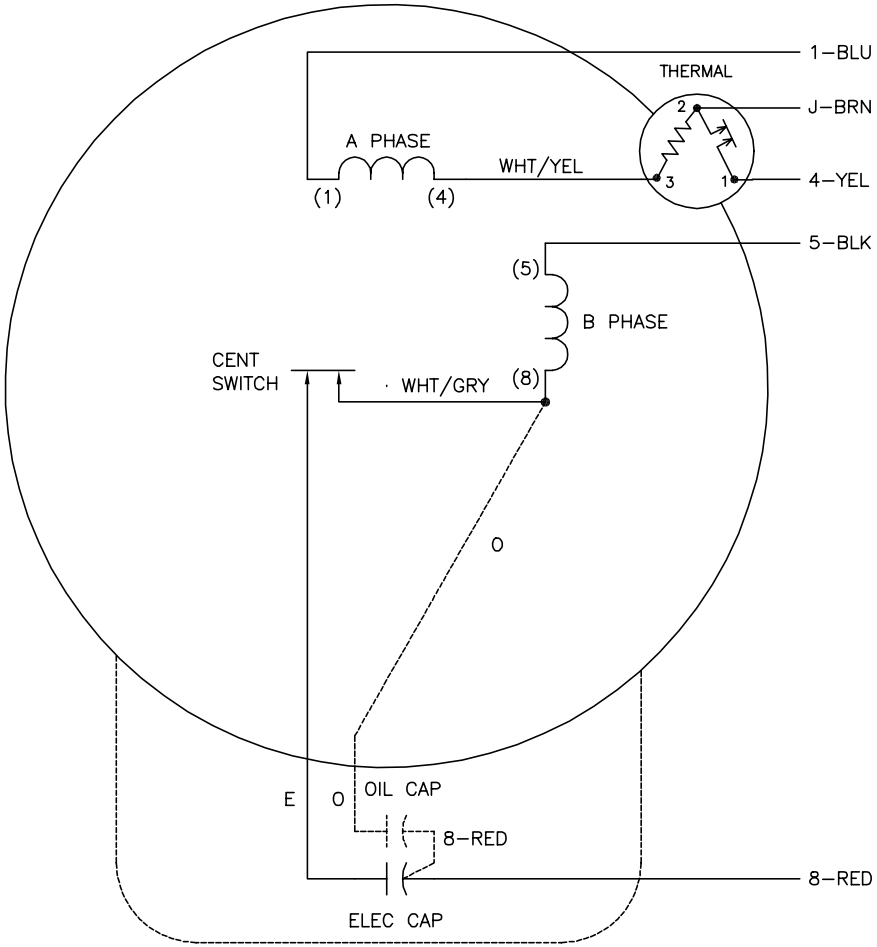
REV. DESC: ADD FLAT SLINGER TO ODE		
REV. LTR: B	VERSION: 02	TDR: 000000909271
FILE: \AAA\00205\505	REVISED: 12:01:57 04/08/2015	BY: ENKANVO
MTL: –		

BALDOR

HOR 213–5T TEFC LC,DUAL EXFN,FARM DUTY,LE MTO,TORQ SW,SEAL

SH 1 of 1

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.

CD0152

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: ENJOEPO	