ABB BALDOR RELIANCE

Customer information packet

FDL3610M

3HP, 1750RPM, 1PH, 60HZ, 184, 3640LC, TEFC, F1
Class - None
Division - Not Applicable

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Specifications

Enclosure	TEFC
Frame	184
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	3.000 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	15.500 A @ 230.0 V
Design Code	L
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	80.0 %
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	15.5 a
Insulation Class	F
Inverter Code	Not Inverter

Part Detail

Revision	M
Type	AC
Mech. spec.	36Q171
Base	
Status	PRD/A
Elec. spec.	36WGY739
Layout	36LYQ171
Eff. date	07-25-2024
CD Diagram	CD0002A02
Poles	04
Leads	2#14 A PH,3#16 B&J
Proprietary	False
Created date	12-13-2013

KVA Code	M
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	2 @ 14 AWG, A PH
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3640LC
Mounting Arrangement	F1
Number of Poles	4
Overall Length	17.18 IN
Power Factor	76
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	0.875 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger
Speed	1750 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.	FDL3610M								
SPEC.	36Q171Y739G1								
HP	3								
VOLTS	230								
AMP	15.5								
RPM	1750								
FRAME	184	**HZ**	60		**PH**	1			
SER.F.	1.00	**CODE**	M	**DES**	L	**CL**	F		
NEMA-NOM-EFF	80	**PF**	76						
RATING	40C AMB-CONT								
CC									
DE	6206	**ODE**	6205						
ENCL	TEFC	**SN**							

Accessories

Part number	Description	Multiplier
36-3301FDA	C FACE KIT FARM DUTY F182-4TC, ENCL,	P1

AC Induction Motor Performance Data
Record # 11466
Typical performance - not guaranteed values

Winding: 36WGY739-R001	**Type:** 3640LC	**Enclosure:** TEFC

Nameplate Data				**230 V, 60 Hz: Single Voltage Motor**	
Rated Output (HP)			3	**Full Load Torque**	9 LB-FT
Volts			230	**Start Configuration**	direct on line
Full Load Amps			15.5	**Breakdown Torque**	32 LB-FT
R.P.M.			1750	**Pull-up Torque**	31 LB-FT
Hz	60	**Phase**	1	**Locked-rotor Torque**	37 LB-FT
NEMA Design Code	L	**KVA Code**	M	**Starting Current**	144 A
Service Factor (S.F.)			1	**No-load Current**	10.7 A
NEMA Nom. Eff.	80	**Power Factor**	76	**Line-line Res. @ 25ºC**	0.472 Ω A Ph 1.53 Ω B Ph
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	85°C

Load Characteristics 230 V, 60 Hz, 3 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**
Power Factor	39	56	68	76	82	85
Efficiency	53.4	70.8	77.9	81	82	81.9
Speed	1791	1782	1775	1768	1759	1749
Line amperes	10.9	11.8	13.5	15.5	18	20.7

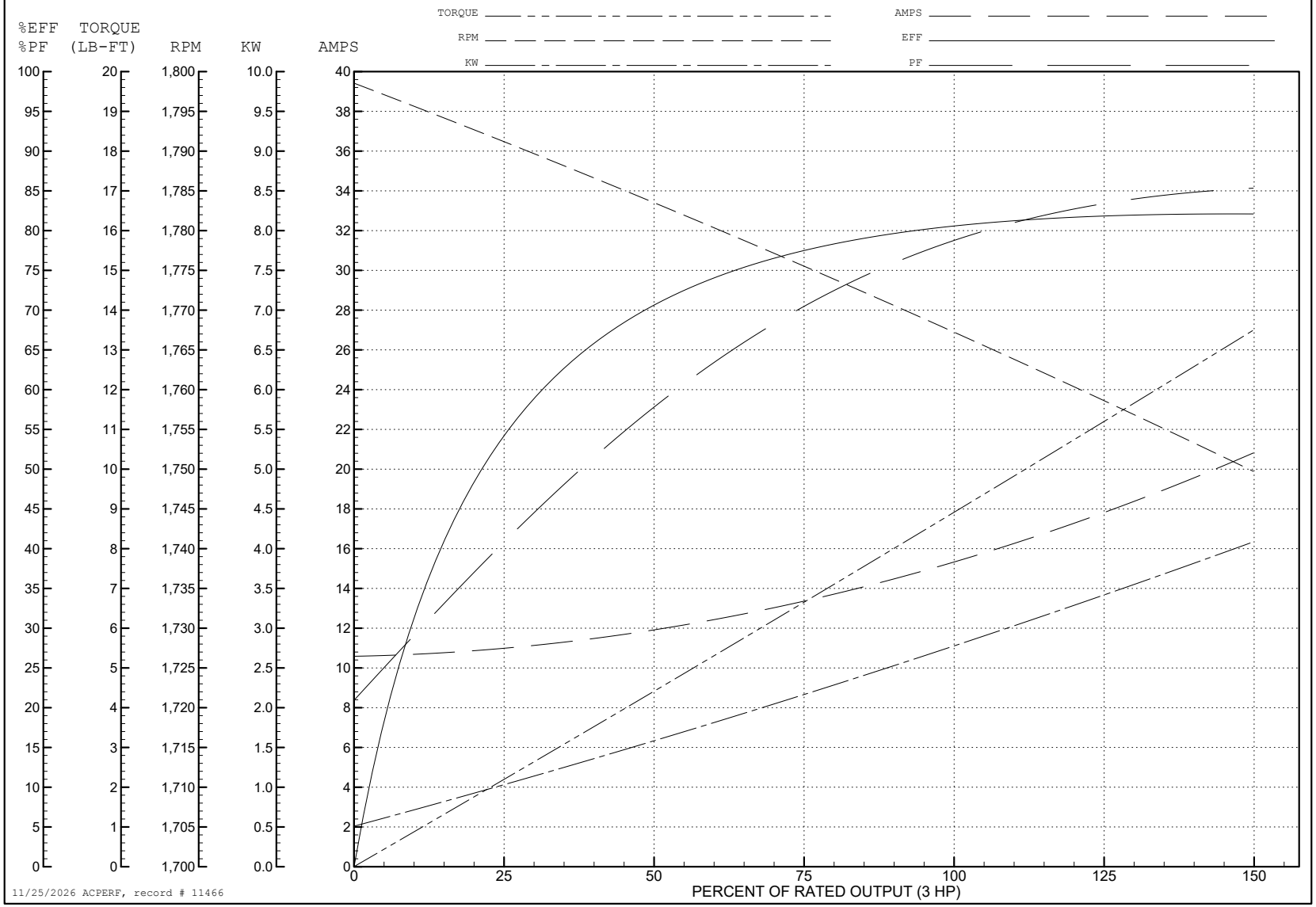
ABB Motors and Mechanical Inc.

WINDING # 36WGY739

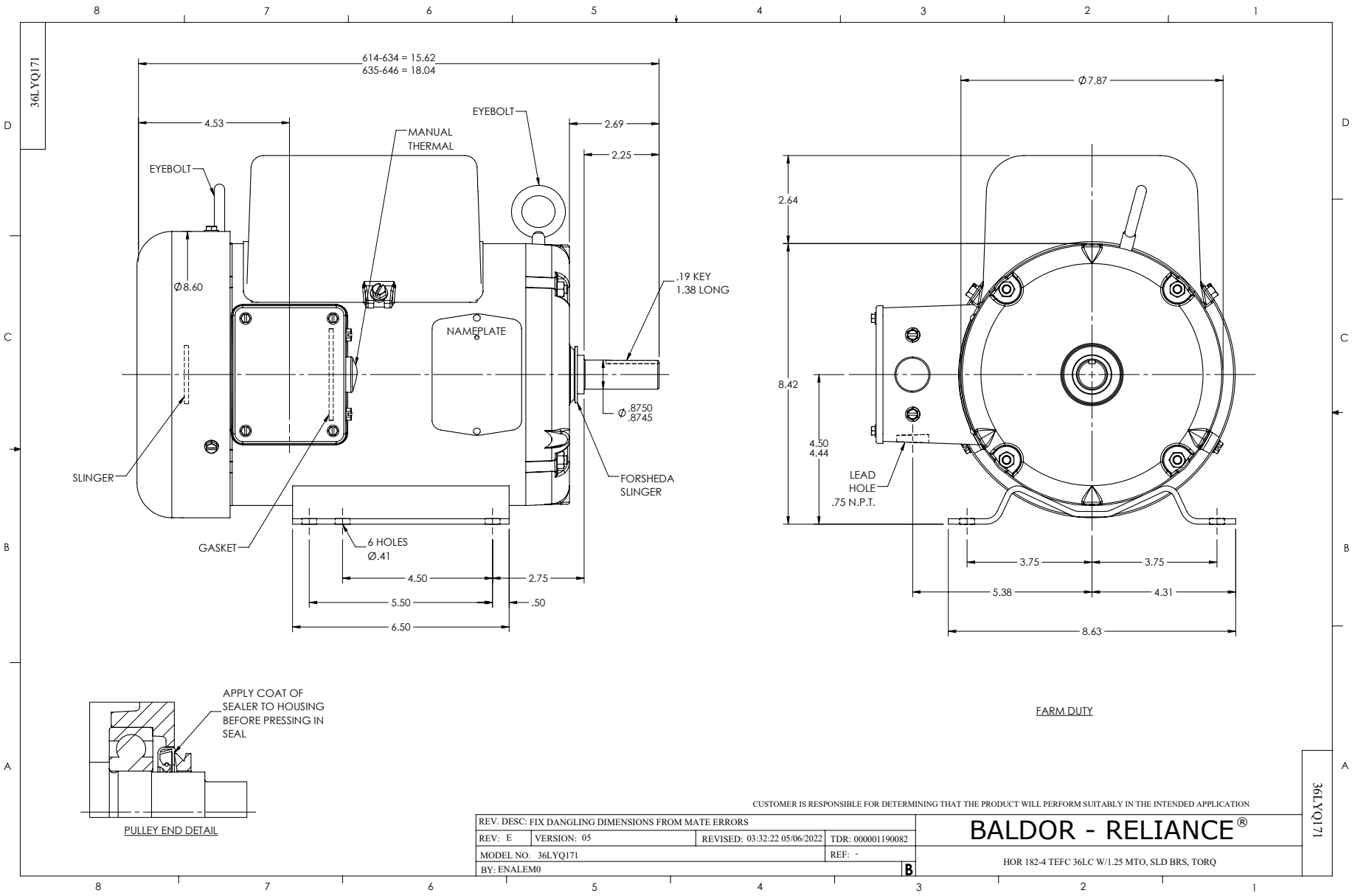
3 HP 1 PH 60 HZ 1750 RPM 230 V 3640LC

Typical performance - not guaranteed values.

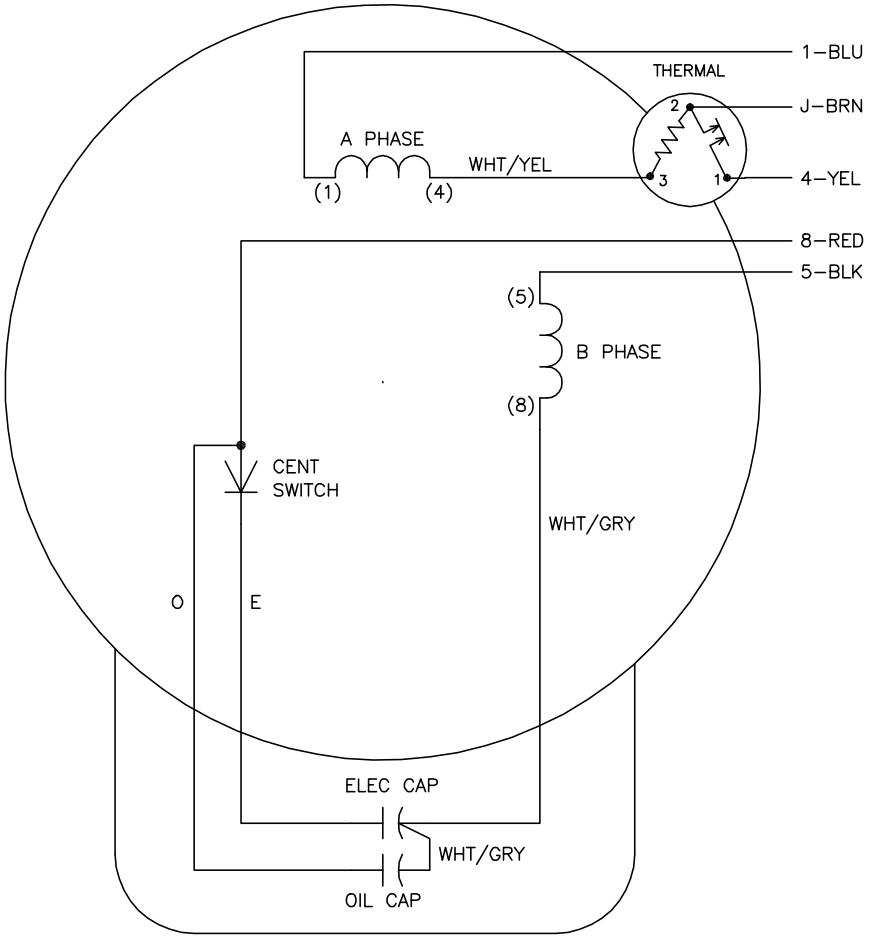
TORQUES(LB-FT): PO=32 PU=31 LR=37 LRA=144



11/25/2026 ACPERF, record # 11466


36LYQ171
614-634 = 15.62
635-646 = 18.04
4.53
EYEBOLT
MANUAL THERMAL
EYEBOLT
2.69
2.25
Ø8.60
.19 KEY
1.38 LONG
NAMEPLATE
Ø.8750
.8745
SLINGER
FORSHEDA SLINGER
GASKET
6 HOLES
Ø.41
4.50
2.75
5.50
.50
6.50
Ø7.87
2.64
8.42
4.50
4.44
LEAD HOLE
.75 N.P.T.
3.75
3.75
5.38
4.31
8.63
APPLY COAT OF SEALER TO HOUSING BEFORE PRESSING IN SEAL
PULLEY END DETAIL
FARM DUTY
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: FIX DANGLING DIMENSIONS FROM MATE ERRORS
REV: E
VERSION: 05
REVISED: 03:32:22 05/06/2022
TDR: 000001190082
MODEL NO. 36LYQ171
REF: -
BY: ENALEM0
B
BALDOR - RELIANCE®
HOR 182-4 TEFC 36LC W/1.25 MTO, SLD BRS, TORQ
36LYQ171

CD0002A02



	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. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

REV. DESC: REMOVE 2–TERMINAL THERMAL DETAIL, SEE CD0002A04			BALDOR ELECTRIC Co.
REV. LTR: D	VERSION: 01	TDR: 000000360649	
CD0002A02	FILE: \AAA\00007\520	REVISED: 17:11:40 04/15/2005	TYPE LC, SV, REV, THERMAL, 5 LEADS
	MTL: –	BY: ENJOEP0	

CD0002A02