ABB BALDOR RELIANCE

Customer information packet

XL21542

5HP, 1740RPM, 1PH, 60HZ, 215, 3726LC, XPFC, F1
Class - CLI GP D; CLII GP F,G
Division - Division I

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Specifications

Enclosure	XPFC
Frame	215
Frame Material	Steel
Frequency	60.00 Hz
Haz Area Class and Group	CLI GP D; CLII GP F,G
Haz Area Division	Division I
Motor Letter Type	Cap Start, Cap Run
Output @ Frequency	5.000 HP @ 60 HZ
Phase	1
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ
Agency Approvals	CSA
	UL
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	19.700 A @ 230.0 V
Design Code	L
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	84.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Haz Area Temp Code	T3C
Heater Indicator	No Heater
High Voltage Full Load Amps	19.7 a
Insulation Class	F
Inverter Code	Not Inverter
IP Rating	NONE

Part Detail

Revision	H
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	37WGA0036
Layout	37LY-000-362
Eff. date	03-19-2026
CD Diagram	CD0017A02
Poles	04
Leads	2#12 A PH,2#14 B PH
Proprietary	False
Created date	04-30-2021

KVA Code	G
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3726LC
Mounting Arrangement	F1
Number of Poles	4
Overall Length	18.76 IN
Power Factor	96
Product Family	General Purpose
Pulley Face Code	Standard
Rodent Screen	None
Service Factor	1.15
Shaft Diameter	1.125 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Speed	1740 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	Normally Closed Thermostat
Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	None
Winding Thermal 2	None

Nameplate

NP1426XPSL							
NO.		**CC**					
SER.							
SPEC.	37-0000-0390						
CAT.NO.	XL21542						
HP	5	**T. CODE**	T3C				
VOLTS	230						
AMPS	20						
RPM	1740						
HZ	60	**PH**	1	**CL**	F		
SER.F.	1.15	**DES**	L	**CODE**	G		
RATING	40C AMB-CONT						
FRAME	215	**NEMA-NOM-EFF**			84		
	PF	96					
BLANK	NEMA MG-1 PART 5, IP54						

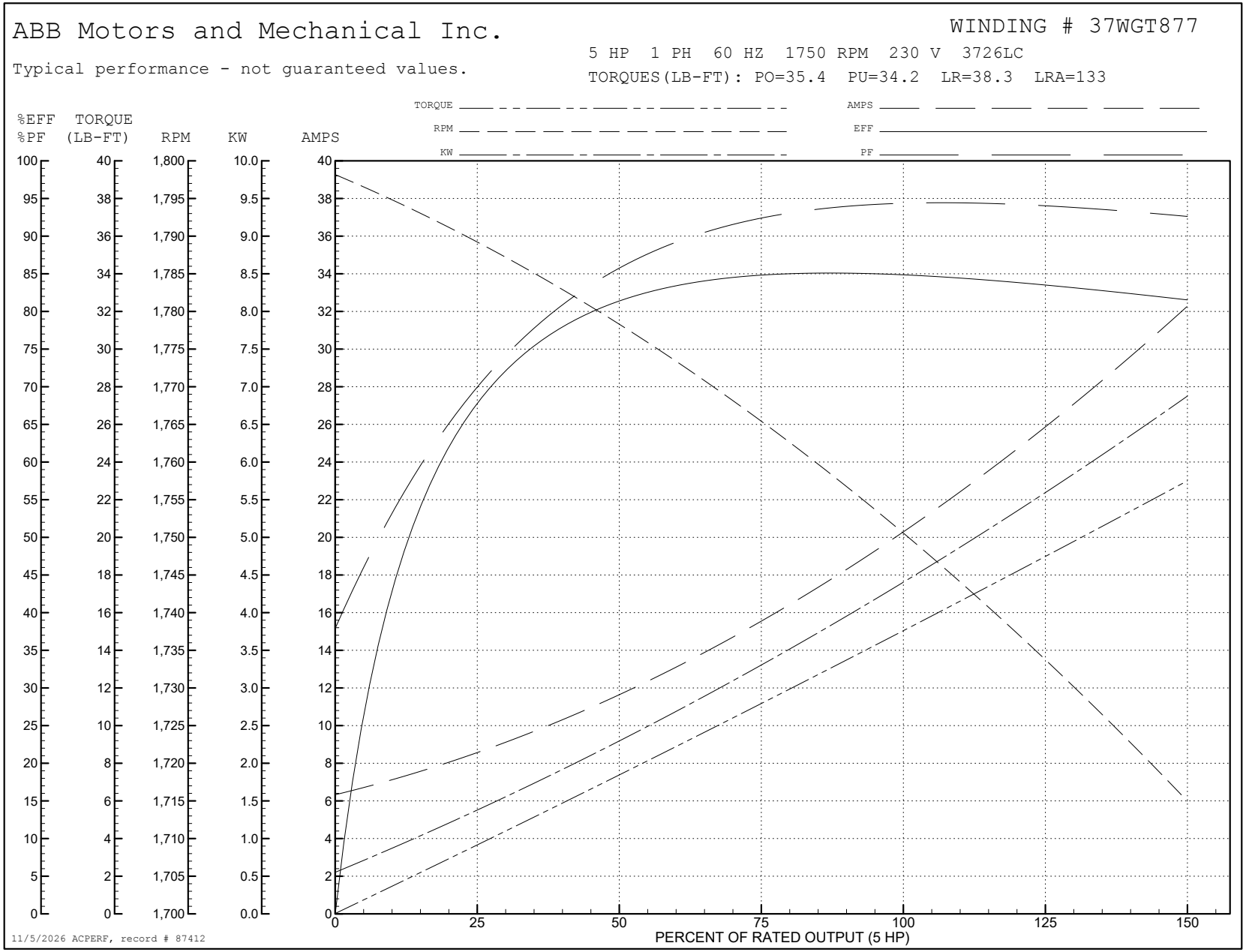
AC Induction Motor Performance Data
Record # 87412
Typical performance - not guaranteed values

Winding: 37WGT877-R001	**Type:** 3726LC	**Enclosure:** TEFC

Nameplate Data				**230 V, 60 Hz: Single Voltage Motor**	
Rated Output (HP)			5	**Full Load Torque**	15.14 LB-FT
Volts			230	**Start Configuration**	Unknown
Full Load Amps			20.5	**Breakdown Torque**	35.4 LB-FT
R.P.M.			1750	**Pull-up Torque**	34.2 LB-FT
Hz	60	**Phase**	1	**Locked-rotor Torque**	38.3 LB-FT
NEMA Design Code	L	**KVA Code**	H	**Starting Current**	133 A
Service Factor (S.F.)			1.15	**No-load Current**	6.54 A
NEMA Nom. Eff.	84	**Power Factor**	93	**Line-line Res. @ 25ºC**	0.41482 Ω A Ph 1.1316 Ω B Ph
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	64°C
S.F. Amps				**Temp. Rise @ S.F. Load**	77°C

Load Characteristics 230 V, 60 Hz, 5 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	73	87	92	93	94	93	94
Efficiency	66.3	80.1	84.7	85.3	84.1	81.1	84.6
Speed	1789.1	1777.2	1764.6	1751.5	1734.9	1713.8	1742
Line amperes	8.1	11.6	15.8	20.6	25.7	32.3	23.7


ABB Motors and Mechanical Inc.
WINDING # 37WGT877
5 HP 1 PH 60 HZ 1750 RPM 230 V 3726LC
Typical performance - not guaranteed values.
TORQUES(LB-FT): PO=35.4 PU=34.2 LR=38.3 LRA=133
TORQUE
RPM
KW
AMPS
EFF
PF
%EFF %PF
TORQUE (LB-FT)
RPM
KW
AMPS
PERCENT OF RATED OUTPUT (5 HP)
11/5/2026 ACPERF, record # 87412

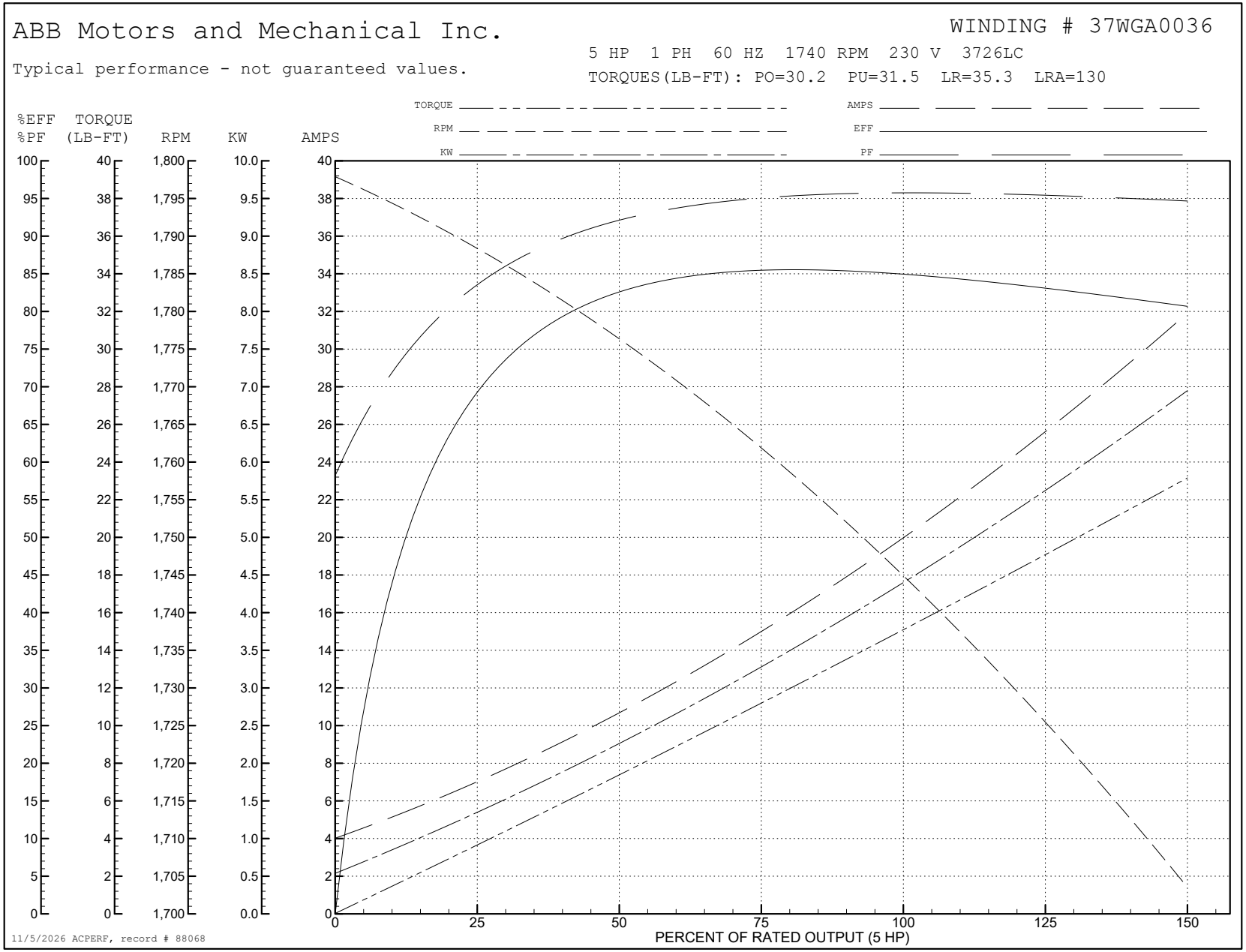
AC Induction Motor Performance Data
Record # 88068
Typical performance - not guaranteed values

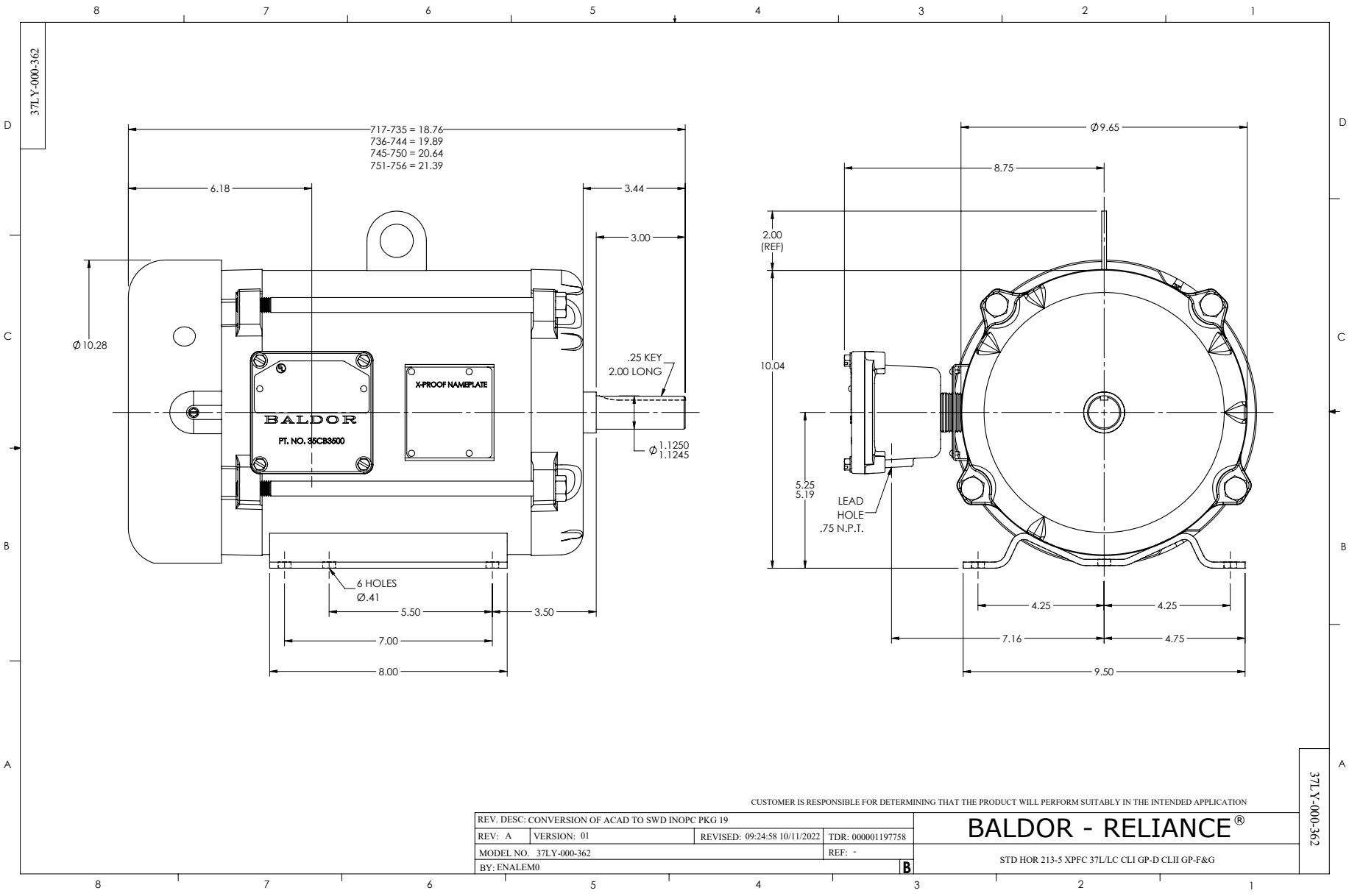
Winding: 37WGA0036-R001	**Type:** 3726LC	**Enclosure:** TEFC

Nameplate Data				**230 V, 60 Hz: Single Voltage Motor**	
Rated Output (HP)			5	**Full Load Torque**	15.18 LB-FT
Volts			230	**Start Configuration**	direct on line
Full Load Amps			20	**Breakdown Torque**	30.2 LB-FT
R.P.M.			1740	**Pull-up Torque**	31.5 LB-FT
Hz	60	**Phase**	1	**Locked-rotor Torque**	35.3 LB-FT
NEMA Design Code	L	**KVA Code**	G	**Starting Current**	130 A
Service Factor (S.F.)			1.15	**No-load Current**	3.78 A
NEMA Nom. Eff.	84	**Power Factor**	96	**Line-line Res. @ 25ºC**	0.463 Ω A Ph 1.7 Ω B Ph
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	63°C
S.F. Amps				**Temp. Rise @ S.F. Load**	79°C
				Locked-rotor Power Factor	91
				Rotor inertia	0.639 lb-ft²

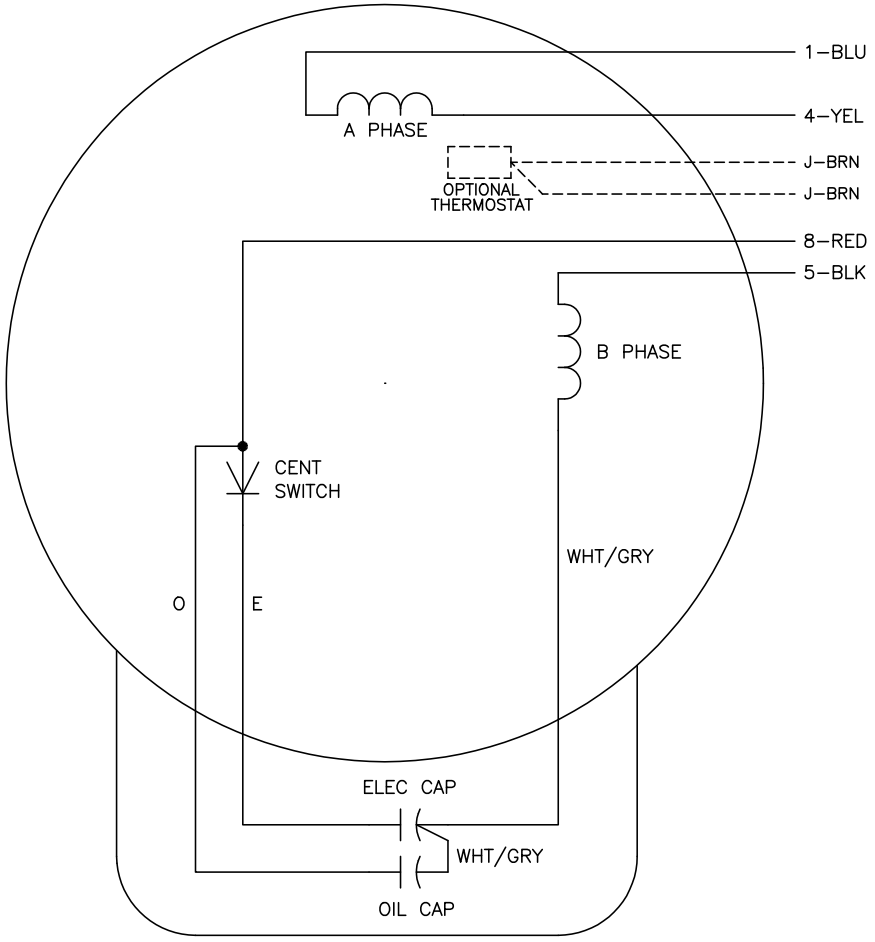
Load Characteristics 230 V, 60 Hz, 5 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	82	92	95	96	96	94	96
Efficiency	67.5	81	85.2	85.5	83.7	80.1	84.4
Speed	1788	1775	1761	1746	1727	1702	1735
Line amperes	7.14	10.85	15.12	19.97	25.25	32.22	23.1


ABB Motors and Mechanical Inc.
WINDING # 37WGA0036
Typical performance - not guaranteed values.
5 HP 1 PH 60 HZ 1740 RPM 230 V 3726LC
TORQUES(LB-FT): PO=30.2 PU=31.5 LR=35.3 LRA=130
TORQUE
RPM
KW
AMPS
EFF
PF
%EFF %PF
TORQUE (LB-FT)
RPM
KW
AMPS
PERCENT OF RATED OUTPUT (5 HP)
11/5/2026 ACPERF, record # 88068


37LY-000-362
717-735 = 18.76
736-744 = 19.89
745-750 = 20.64
751-756 = 21.39
6.18
3.44
3.00
Ø10.28
.25 KEY
2.00 LONG
X-PROOF NAMEPLATE
BALDOR
PT. NO. 35CB3500
Ø1.1250
Ø1.1245
6 HOLES
Ø.41
5.50
3.50
7.00
8.00
Ø9.65
8.75
2.00
(REF)
10.04
5.25
5.19
LEAD
HOLE
.75 N.P.T.
4.25
4.25
7.16
4.75
9.50
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: CONVERSION OF ACAD TO SWD INOPC PKG 19
REV: A
VERSION: 01
REVISED: 09:24:58 10/11/2022
TDR: 000001197758
MODEL NO. 37LY-000-362
REF: -
BY: ENALEM0
B
BALDOR - RELIANCE®
STD HOR 213-5 XPFC 37L/LC CLI GP-D CLII GP-F&G
37LY-000-362

CD0017A02



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

NOTES:

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

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			BALDOR ELECTRIC Co.
REV. LTR: B	BY: JLP	REVISED: 04/09/99 11:30	TDR: 0178636
CD0017A02		FILE: AAA00007514	MDL: –
		MTL: –	TYPE LC, SV, REV, 4 LEADS

CD0017A02