ABB BALDOR RELIANCE

Customer information packet

L1430T

5HP, 1725RPM, 1PH, 60HZ, 184T, 3634LC, ODTF, F1
Class - None
Division - Not Applicable

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Specifications

Enclosure	ODTF
Frame	184T
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	5.000 HP @ 60 HZ
Phase	1
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ
Agency Approvals	C UR US
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	20.600 A @ 230.0 V 22.700 A @ 208.0 V
Design Code	L
Drip Cover	Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	84.0 %
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	20.6 a
Insulation Class	F
Inverter Code	Not Inverter

Part Detail

Revision	L
Type	AC
Mech. spec.	36M926
Base	
Status	PRD/A
Elec. spec.	36WGT077
Layout	36LYM926
Eff. date	05-10-2024
CD Diagram	CD0017A02
Poles	04
Leads	2#10 A PH,2#16 B PH
Proprietary	False
Created date	01-06-2010

IP Rating	NONE
KVA Code	H
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	2 @ 10 AWG, A PH
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3634LC
Mounting Arrangement	F1
Number of Poles	4
Overall Length	16.53 IN
Power Factor	94
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	1.125 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	None
Winding Thermal 2	None

Nameplate

NP1256L									
CAT.NO.	L1430T								
SPEC.	36M926T077G1								
HP	5								
VOLTS	230								
AMP	20.6								
RPM	1725								
FRAME	184T	**HZ**	60			**PH**	1		
SER.F.	1.15	**CODE**	H	**DES**	L	**CLASS**	F		
NEMA-NOM-EFF	84	**PF**	94						
RATING	40C AMB-CONT								
CC									
DE	6206	**ODE**	6205						
ENCL	ODTF	**SN**							

Accessories

Part number	Description	Multiplier
36-3403	C FACE KIT	A8
36EP1405A09SP	D-FLANGE KIT	

AC Induction Motor Performance Data
Record # 10575
Typical performance - not guaranteed values

Winding: 36WGT077-R001	**Type:** 3634LC	**Enclosure:** ODTF

Nameplate Data				**230 V, 60 Hz: Single Voltage Motor**	
Rated Output (HP)			5	**Full Load Torque**	15 LB-FT
Volts			230	**Start Configuration**	direct on line
Full Load Amps			20.6	**Breakdown Torque**	40.5 LB-FT
R.P.M.			1725	**Pull-up Torque**	30.5 LB-FT
Hz	60	**Phase**	1	**Locked-rotor Torque**	36.5 LB-FT
NEMA Design Code	L	**KVA Code**	H	**Starting Current**	134.2 A
Service Factor (S.F.)			1.15	**No-load Current**	7.49 A
NEMA Nom. Eff.	84	**Power Factor**	94	**Line-line Res. @ 25ºC**	0.4981 Ω A Ph 1.6049 Ω B Ph
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	60°C
S.F. Amps				**Temp. Rise @ S.F. Load**	74°C

Load Characteristics 230 V, 60 Hz, 5 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	70	86	91	94	94	94	94
Efficiency	66	79.7	83.8	84.4	82.7	79	83.4
Speed	1785	1773	1759	1741	1721	1692	1729
Line amperes	8.87	11.94	15.93	20.56	25.99	32.81	23.82

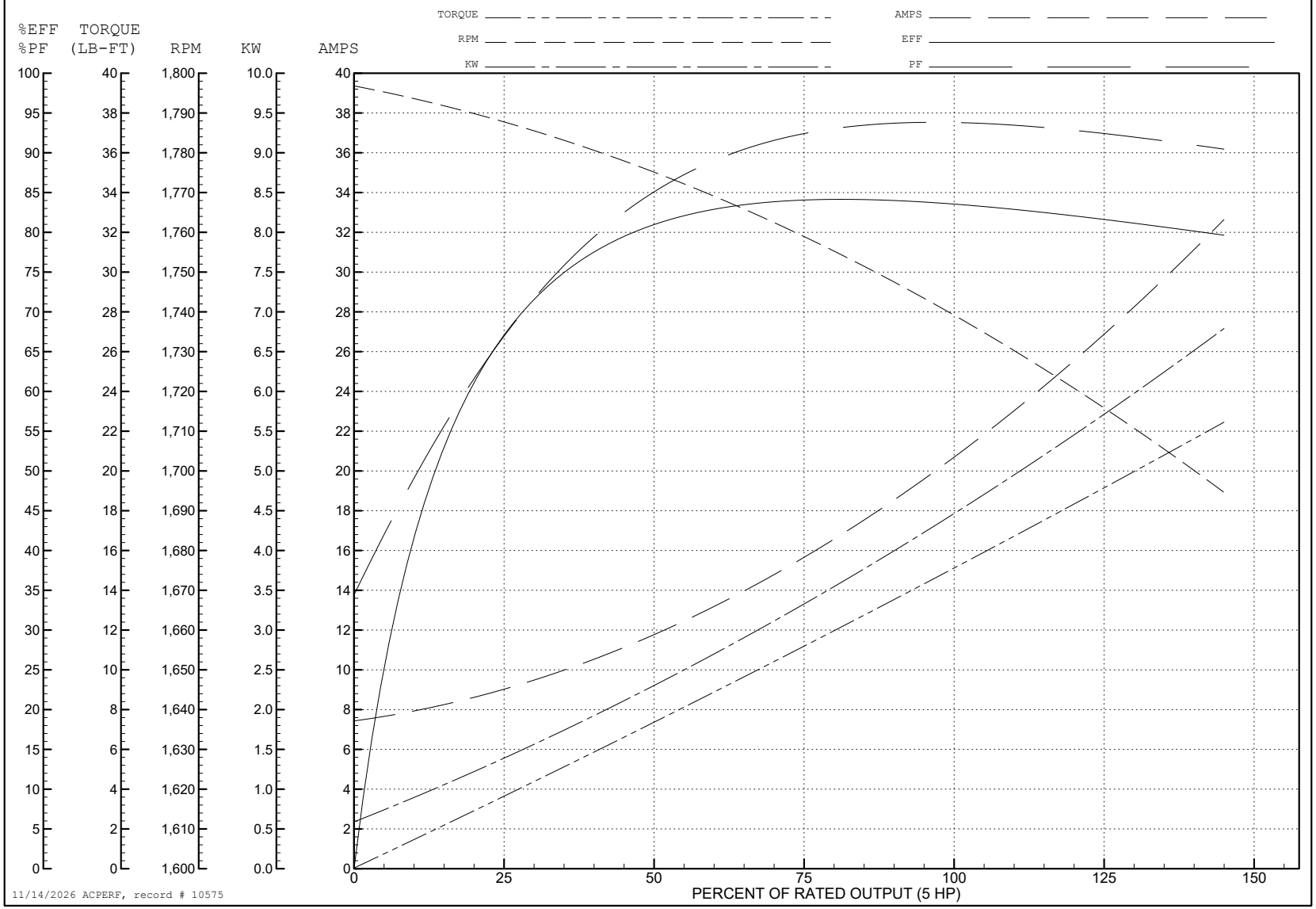
ABB Motors and Mechanical Inc.

WINDING # 36WGT077

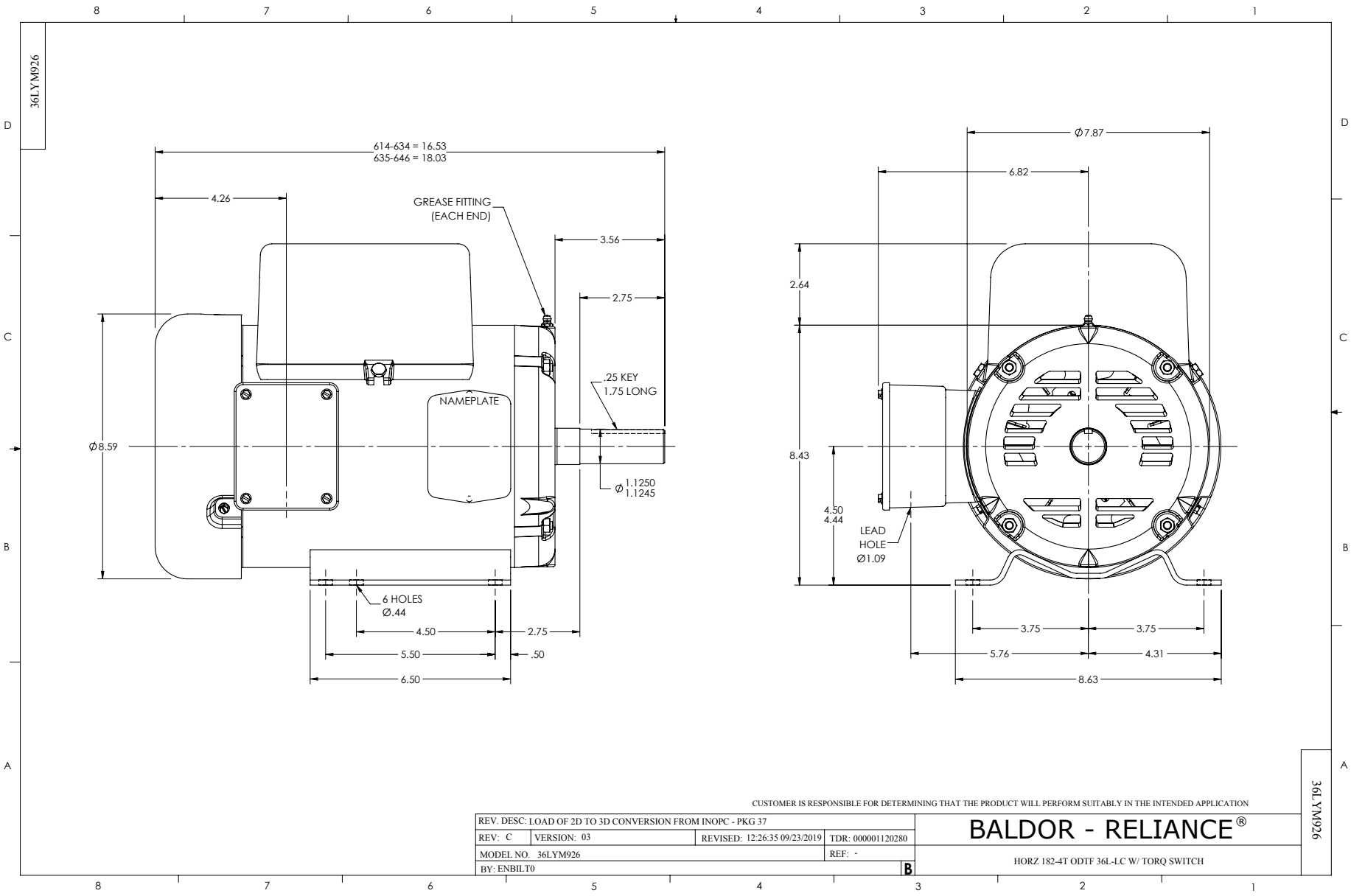
5 HP 1 PH 60 HZ 1725 RPM 230 V 3634LC

Typical performance - not guaranteed values.

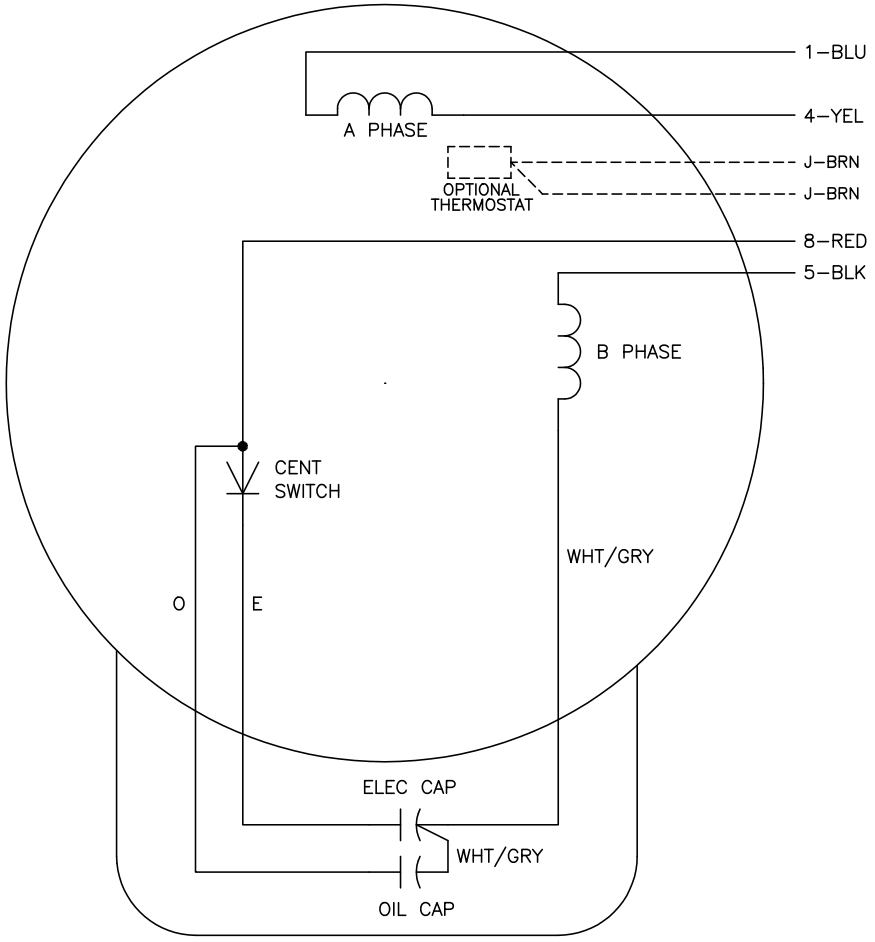
TORQUES(LB-FT): PO=40.5 PU=30.5 LR=36.5 LRA=134.2



11/14/2026 ACPERF, record # 10575


36LYM926
614-634 = 16.53
635-646 = 18.03
4.26
GREASE FITTING
(EACH END)
3.56
2.75
.25 KEY
1.75 LONG
NAMEPLATE
Ø8.59
Ø 1.1250
1.1245
6 HOLES
Ø.44
4.50
2.75
5.50
.50
6.50
Ø7.87
6.82
2.64
8.43
4.50
4.44
LEAD
HOLE
Ø1.09
3.75
3.75
5.76
4.31
8.63
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: LOAD OF 2D TO 3D CONVERSION FROM INOPC - PKG 37
REV: C
VERSION: 03
REVISED: 12:26:35 09/23/2019
TDR: 000001120280
MODEL NO. 36LYM926
REF: -
BY: ENBILT0
B
BALDOR - RELIANCE®
HORZ 182-4T ODTF 36L-LC W/ TORQ SWITCH
36LYM926

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