

BALDOR® • RELIANCE 

Product Information Packet

L1430TM

5HP,1725RPM,1PH,60HZ,184T, 3634LC,ODTF

Part Detail							
Revision:	S	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	36WGX262	CD Diagram:	CD0002A02	Mfg Plant:	
Mech. Spec:	36K761	Layout:	36LYK761	Poles:	04	Created Date:	
Base:	RG	Eff. Date:	02-28-2018	Leads:	2#10 A PH,3#16 B&J		

Specs			
Catalog Number:	L1430TM	Inverter Code:	Not Inverter
Enclosure:	ODTF	KVA Code:	H
Frame:	184T	Lifting Lugs:	No Lifting Lugs
Frame Material:	Steel	Locked Bearing Indicator:	No Locked Bearing
Output @ Frequency:	5.000 HP @ 60 HZ	Motor Lead Quantity/Wire Size:	2 @ 10 AWG, A PH
Synchronous Speed @ Frequency:	1800 RPM @ 60 HZ	Motor Lead Exit:	Ko Box
Voltage @ Frequency:	230.0 V @ 60 HZ	Motor Lead Termination:	Flying Leads
XP Class and Group:	None	Motor Type:	3634LC
XP Division:	Not Applicable	Mounting Arrangement:	F1
Agency Approvals:	CSA	Power Factor:	86
	UR	Product Family:	General Purpose
Auxillary Box:	No Auxillary Box	Pulley End Bearing Type:	Ball
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:	24.000 A @ 230.0 V	Shaft Ground Indicator:	No Shaft Grounding
	25.500 A @ 208.0 V	Shaft Rotation:	Reversible

Design Code:	L	Shaft Slinger Indicator:	No Slinger
Drip Cover:	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 (OLD)
Front Face Code:	Standard	Thermal Device - Winding:	Do Not Use
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
		Winding Thermal 2:	None

Nameplate NP1257L	
CAT.NO.	L1430TM
SPEC.	36K761X262G1
HP	5
VOLTS	230
AMP	24
RPM	1725
FRAME	184T
HZ	60
PH	1
SER.F.	1.15
CODE	H
DES	L
CL	F
NEMA-NOM-EFF	80
PF	86
RATING	40C AMB-CONT
CC	USABLE AT 208V 25.5
DE	6206
ODE	6205
ENCL	ODTF
SN	

Parts List		
Part Number	Description	Quantity
SA104932	SA 36K761X262G1	1.000 EA
RA096750	RA 36K761X262G1	1.000 EA
OC3040F18SP	7YL OIL CAP 40MFD/370V	1.000 EA
TPBRT25DB	THERMAL 1PH 1.25 MAN 120CWELDED	1.000 EA
EC1216C06SP	ELEC CAP, 216-259 MFD, 250V, 2.06D X 4.	2.000 EA
TP5059	GENERIC THERMAL KIT	1.000 EA
36CB1000A22	CONDUIT BOX, MACH	1.000 EA
37GS1000SP	GASKET, CONDUIT BOX STD., .06 THICK LEXI	1.000 EA
HA6015A08	THERMAL RETAINER (PLATED)	1.000 EA
51XB1214A10	12-14 X 5/8HX WS SL SR TYBX	2.000 EA
51XB1016A10	10-16X 5/8HXWSSLD SERTYB	2.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
HW3001B01	BRASS CUP WASHER, FOR #10 SCREW	1.000 EA
RM1014A01SP	BUTYL RUB.THRM COV. (MENA)	1.000 EA
36FE3200A03	FREP ASSEMBLY FOR ROUTING PURPOSES	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
13XF0832A08	8-32 X.50 PAN HD,SLTD, TYPE F SCREW, ZIN	2.000 EA
SP1008A01	BAFFLE, MODEL 36 & 37	1.000 EA
10XN2520A12	O1/4-20X 3/4 HEX HEAD CAP	2.000 EA
HW5100A05	WVY WSHR F/205 & 304 BRGS	1.000 EA
36PE3201A01	PU ENDPLATE, ASSEMBLY FOR ROUTING	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
XY2520A12	1/4-20 HEX NUT, DIRECTIONAL SERRATIONS	4.000 EA
36FN3000A01SP	EXFN, PLASTIC, 7.00 OD, .912 ID	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 EA
36FH4012A01	DRIP COVER NOTCH BOTTOM, W/ PRIMER	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 EA
36CB4516	36 LIPPED CB LID - GALVANNEAL	1.000 EA
37GS1001SP	GASKET, CONDUIT BOX LID, .06 THICK LEXID	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 EA
HW2501E16	KEY, 1/4 SQ X 1.750	1.000 EA
HA7000A02	KEY RETAINER RING, 1 1/8 DIA, 1 3/8 DIA	1.000 EA
LB1087	LABEL,MANUAL RESET (ROLL LABEL)	1.000 EA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
36CB3800SP	CAPACITOR COVER, CAST	1.000 EA
HA7010A01	CAPACITOR RETENTION CLAMP, 6.562 LONG	1.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
MG1000G27	MED CHARCOAL METALLIC GREY 400-0096	0.022 GA
SP5172A05	37 TYPE LC TORQ STAT SW LEAD ASSEMBLY	1.000 EA
WD1000A15	3-520132-2 AMP FLAG (4M/RL NON-CANC/NON-	6.000 EA
HA3101A25	THRUBOLT 1/4-20 X 11.000 OHIO ROD	4.000 EA
LB1119N	WARNING LABEL	1.000 EA
LC0002	CONNECTION LABEL	1.000 EA
NP1257L	ALUM UL CSA CC THERMAL REV MTG	1.000 EA
36PA1001	PKG GRP, PRINT PK1017A06	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 5/18	1.000 EA

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

AC Induction Motor Performance Data

Record # 20866 - Typical performance - not guaranteed values

Winding: 36WGX262-R003	Type: 3634LC	Enclosure: ODTF
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Nameplate Data				230 V, 60 Hz: Single Voltage Motor	
Rated Output (HP)	5			Full Load Torque	15.2 LB-FT
Volts	230			Start Configuration	direct on line
Full Load Amps	24			Breakdown Torque	35 LB-FT
R.P.M.	1725			Pull-up Torque	29 LB-FT
Hz	60	Phase	1	Locked-rotor Torque	36 LB-FT
NEMA Design Code	L	KVA Code	H	Starting Current	137 A
Service Factor (S.F.)	1.15			No-load Current	8.2 A
NEMA Nom. Eff.	80	Power Factor	86	Line-line Res. @ 25°C	0.494 Ω A Ph 1.73 Ω B Ph
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	84°C
S.F. Amps				Temp. Rise @ S.F. Load	102°C

Load Characteristics 230 V, 60 Hz, 5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	63	79	87	90	91	90	0
Efficiency	63.7	76.5	80.3	80.6	78.7	74.5	0
Speed	1784	1768	1751	1730	1704	1667	0
Line amperes	10.1	13.4	17.5	22.5	28.5	36.3	26.1

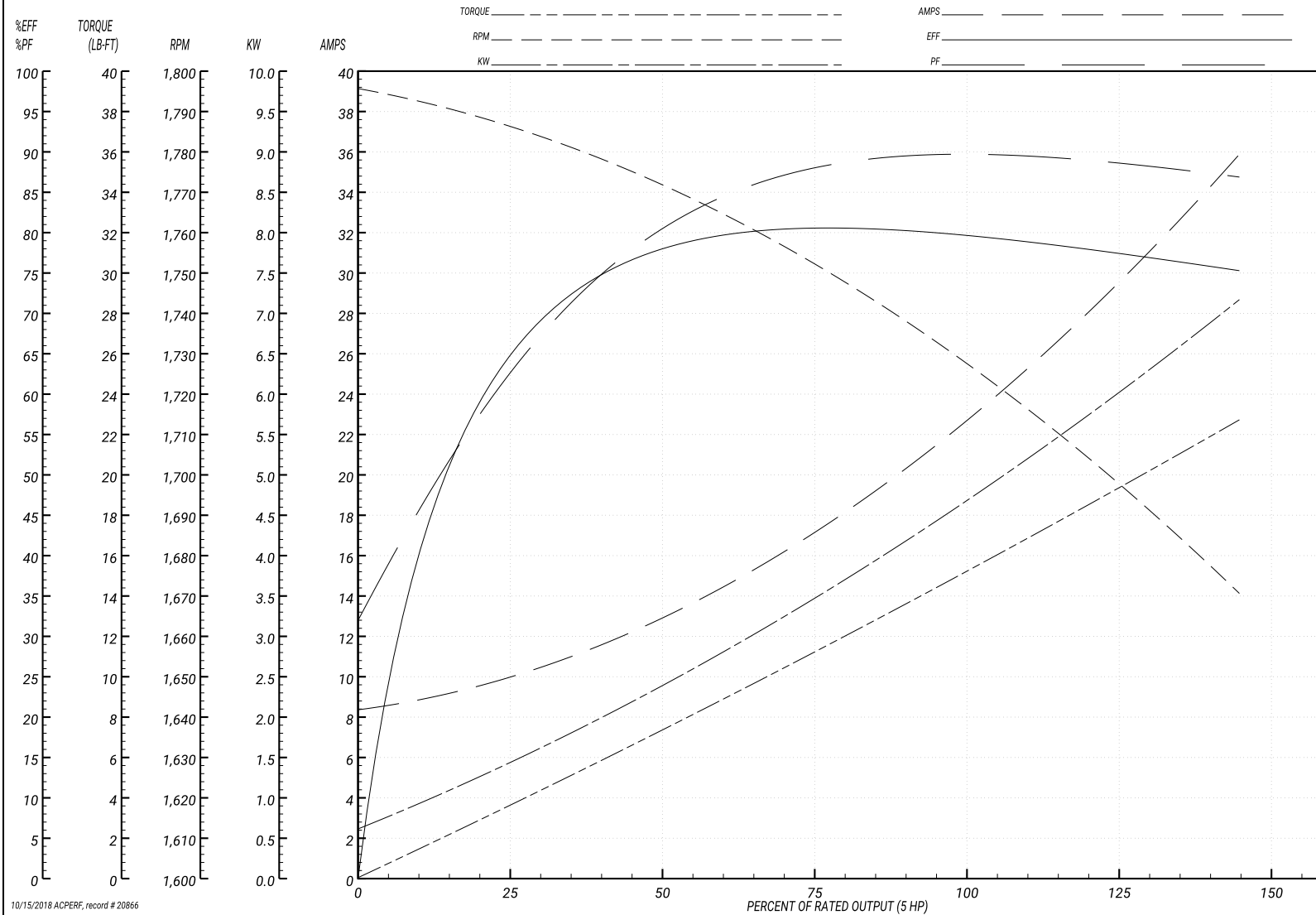
Performance Graph at 230V, 60Hz, 5.0HP Typical performance - Not guaranteed values

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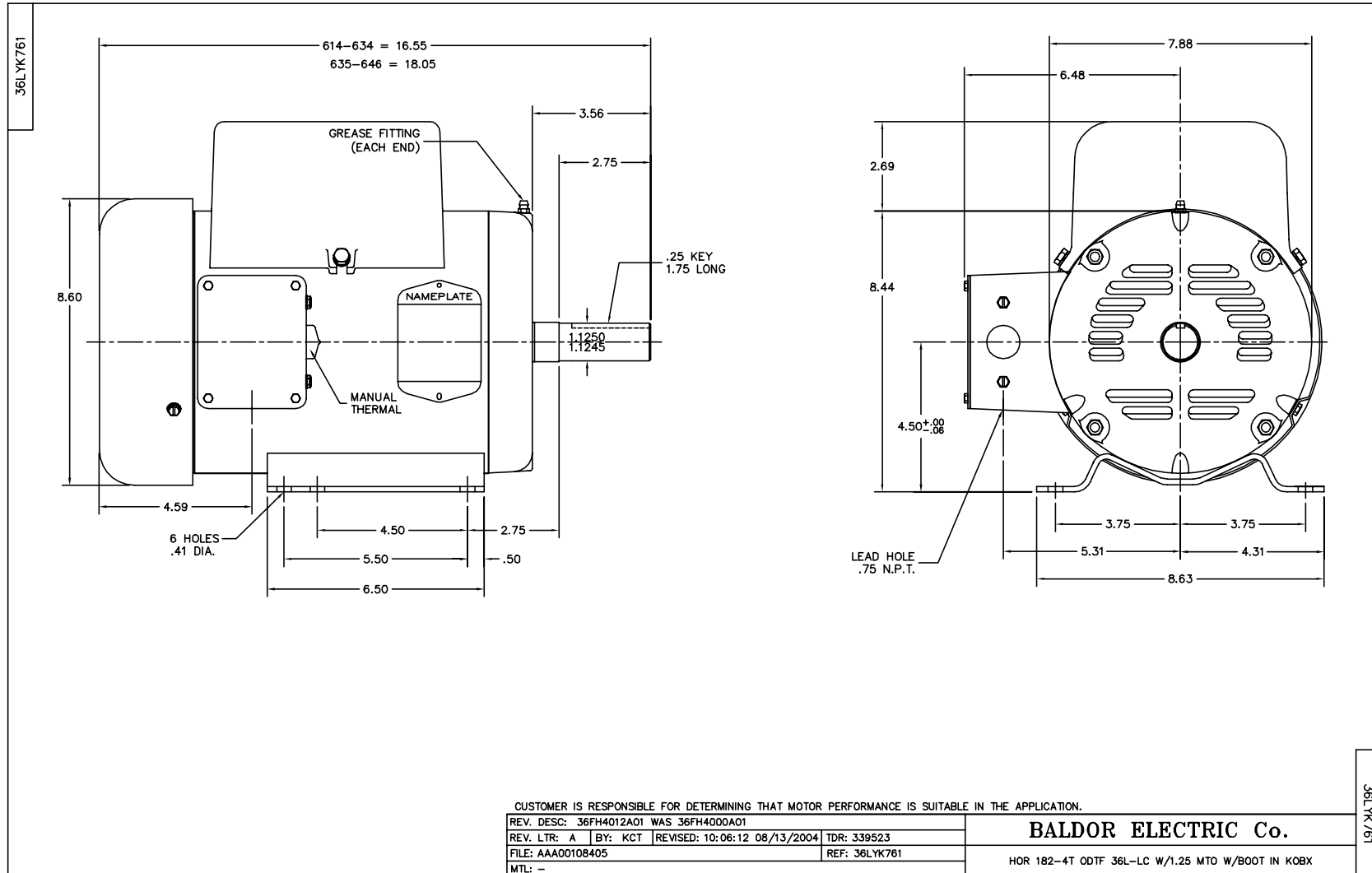
WINDING # 36WGx262

Typical performance - not guaranteed values.

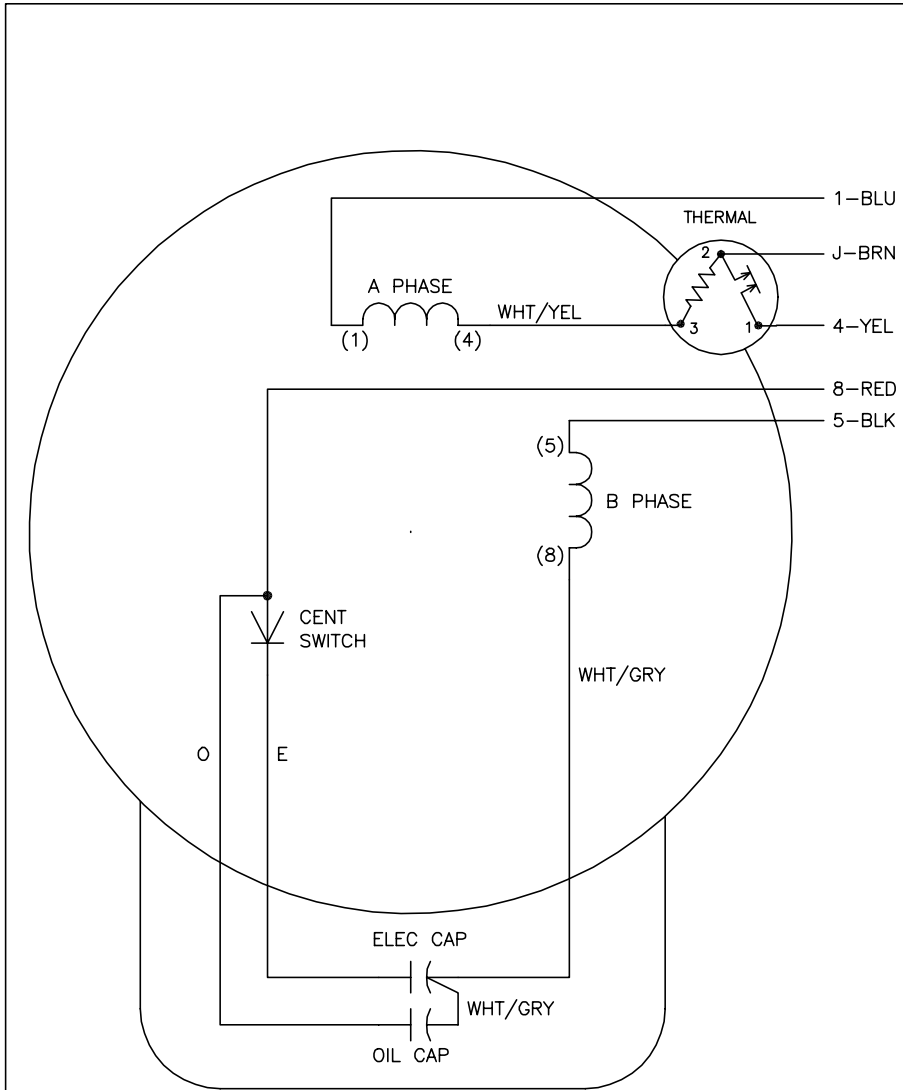
5 HP 1 PH 60 HZ 1725 RPM 230 V 3634LC
 TORQUES(LB-FT): PO=35 PU=29 LR=36 LRA=137



10/15/2018 ACPERF, record # 20866



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		
REV. LTR: D	VERSION: 01	TDR: 000000360649
Z0VZ00000 CD0002A02	FILE: \AAA\00007\520	REVISED: 17:11:40 04/15/2005
	MTL: -	BY: ENJOEPO

BALDOR ELECTRIC Co.

TYPE LC, SV, REV, THERMAL, 5 LEADS

CD0002A02