ABB BALDOR RELIANCE

Customer information packet

L1430TM

5HP, 1725RPM, 1PH, 60HZ, 184T, 3634LC, ODTF
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	24.000 A @ 230.0 V 25.500 A @ 208.0 V
Design Code	L
Drip Cover	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	24.0 a
Insulation Class	F
Inverter Code	Not Inverter

Part Detail

Revision	X
Type	AC
Mech. spec.	36K761
Base	
Status	PRD/A
Elec. spec.	36WGX262
Layout	36LYK761
Eff. date	05-10-2024
CD Diagram	CD0002A02
Poles	04
Leads	2#10 A PH,3#16 B&J
Proprietary	False
Created date	01-01-0001

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	16.55 IN
Power Factor	86
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	Do Not Use
Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	Manual Thermal Overload
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										
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 # 20866
Typical performance - not guaranteed values

Winding: 36WGX262-R003	**Type:** 3634LC	**Enclosure:** ODTF

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. @ 25ºC**	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

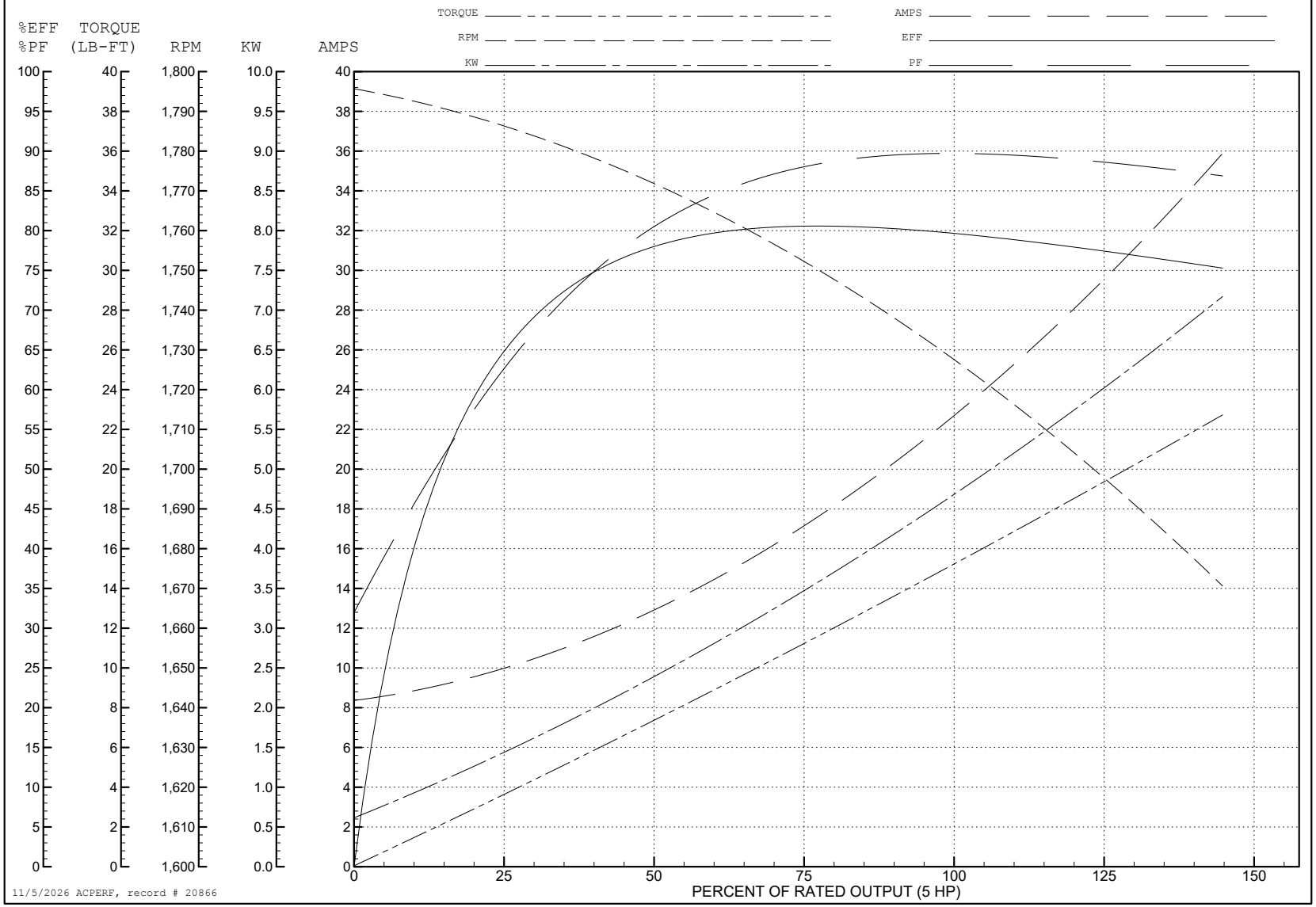
ABB Motors and Mechanical Inc.

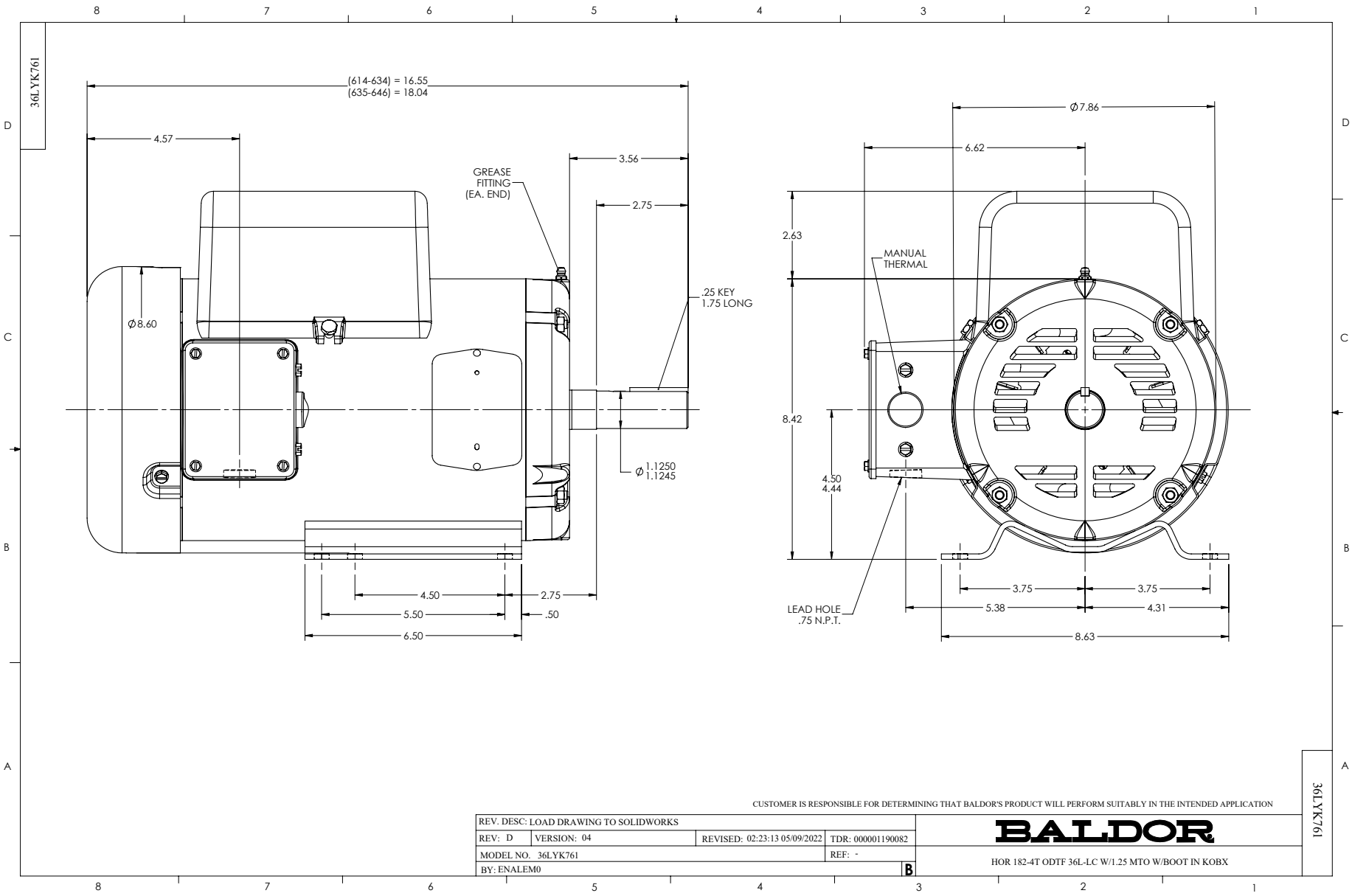
WINDING # 36WGX262

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

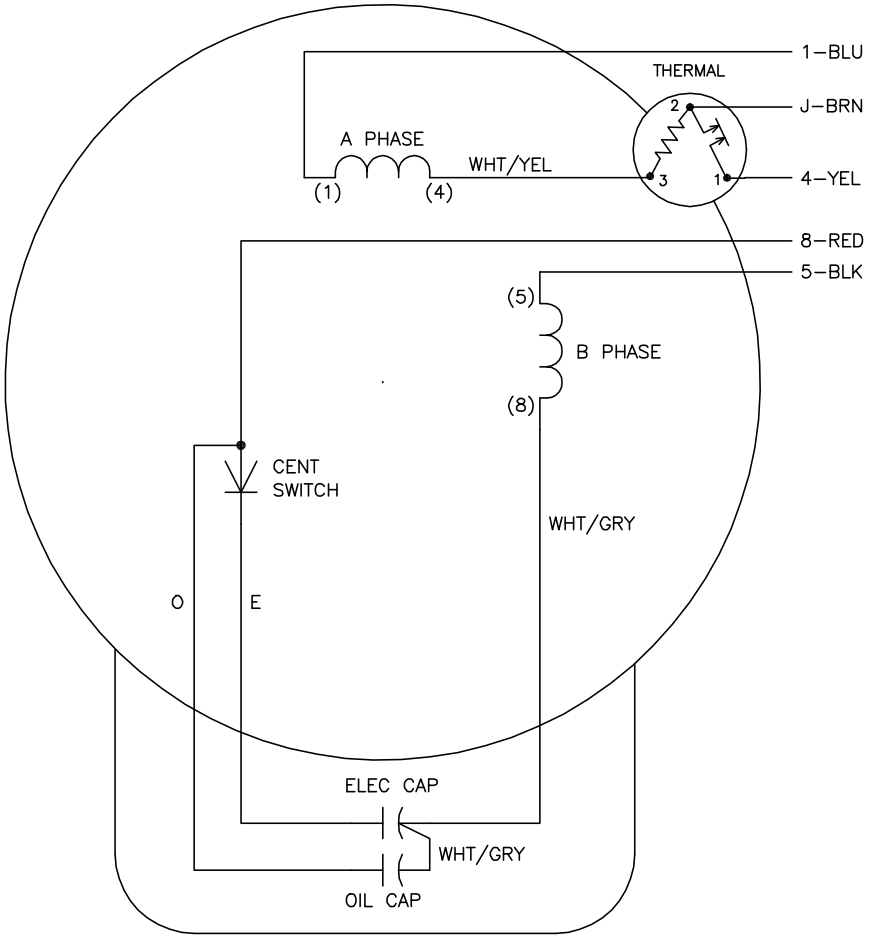
Typical performance - not guaranteed values.

TORQUES(LB-FT): PO=35 PU=29 LR=36 LRA=137




36LYK761
(614-634) = 16.55
(635-646) = 18.04
4.57
3.56
2.75
GREASE FITTING (EA. END)
.25 KEY 1.75 LONG
Ø8.60
Ø 1.1250 1.1245
4.50
2.75
5.50
.50
6.50
Ø7.86
6.62
2.63
MANUAL THERMAL
8.42
4.50 4.44
LEAD HOLE .75 N.P.T.
3.75
3.75
5.38
4.31
8.63
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: LOAD DRAWING TO SOLIDWORKS
REV: D
VERSION: 04
REVISED: 02:23:13 05/09/2022
TDR: 000001190082
MODEL NO. 36LYK761
REF: -
BY: ENALEM0
B
BALDOR
HOR 182-4T ODTF 36L-LC W/1.25 MTO W/BOOT IN KOBX
36LYK761

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