

BALDOR® • RELIANCE

Product Information Packet

L3612TM

5HP,1725RPM,1PH,60HZ,184T,3646LC,TEFC,F1

Part Detail							
Revision:	C	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3646LC	Elec. Spec:	36WGW279	CD Diagram:	CD0152
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	36G787	Layout:	36LYG787
Frame:	184T	Mounting:	F1	Poles:	04	Created Date:	03-02-2010
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	09-10-2015
Leads:	2#10 A PH,3#16 B&J					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1257L

CAT.NO.	L3612TM														
SPEC.	36G787W279G7														
HP	5														
VOLTS	230														
AMP	23														
RPM	1725														
FRAME	184T				HZ				60		PH		1		
SER.F.	1.00			CODE		J		DES		L		CL		F	
NEMA-NOM-EFF	80			PF		88									
RATING	40C AMB-CONT														
CC															
DE	6206				ODE		6205				USABLE AT 208V				
ENCL	TEFC			SN											

AC Induction Motor Performance Data

Record # 10712 - Typical performance - not guaranteed values

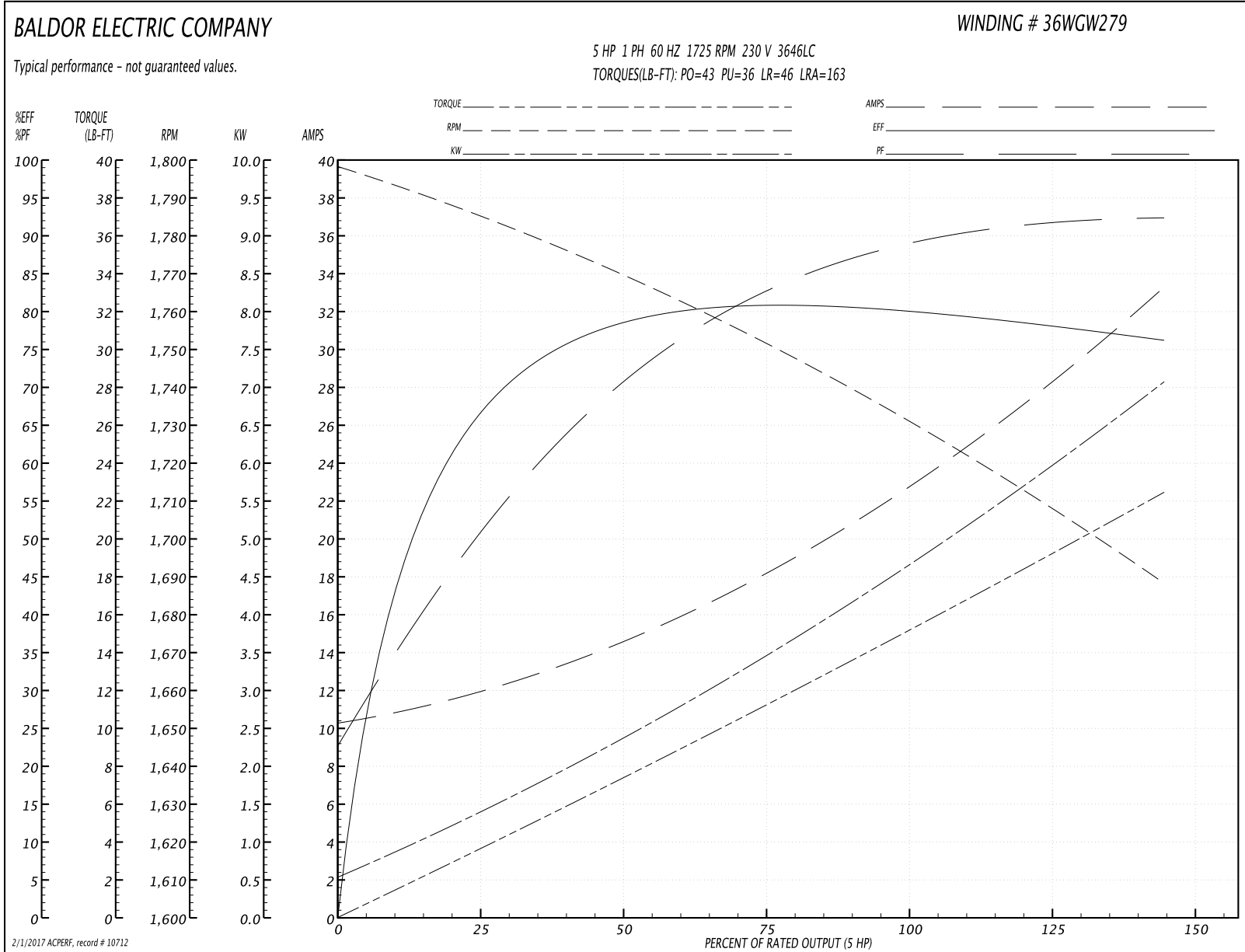
Winding: 36WGW279-R001	Type: 3646LC	Enclosure: TEFC
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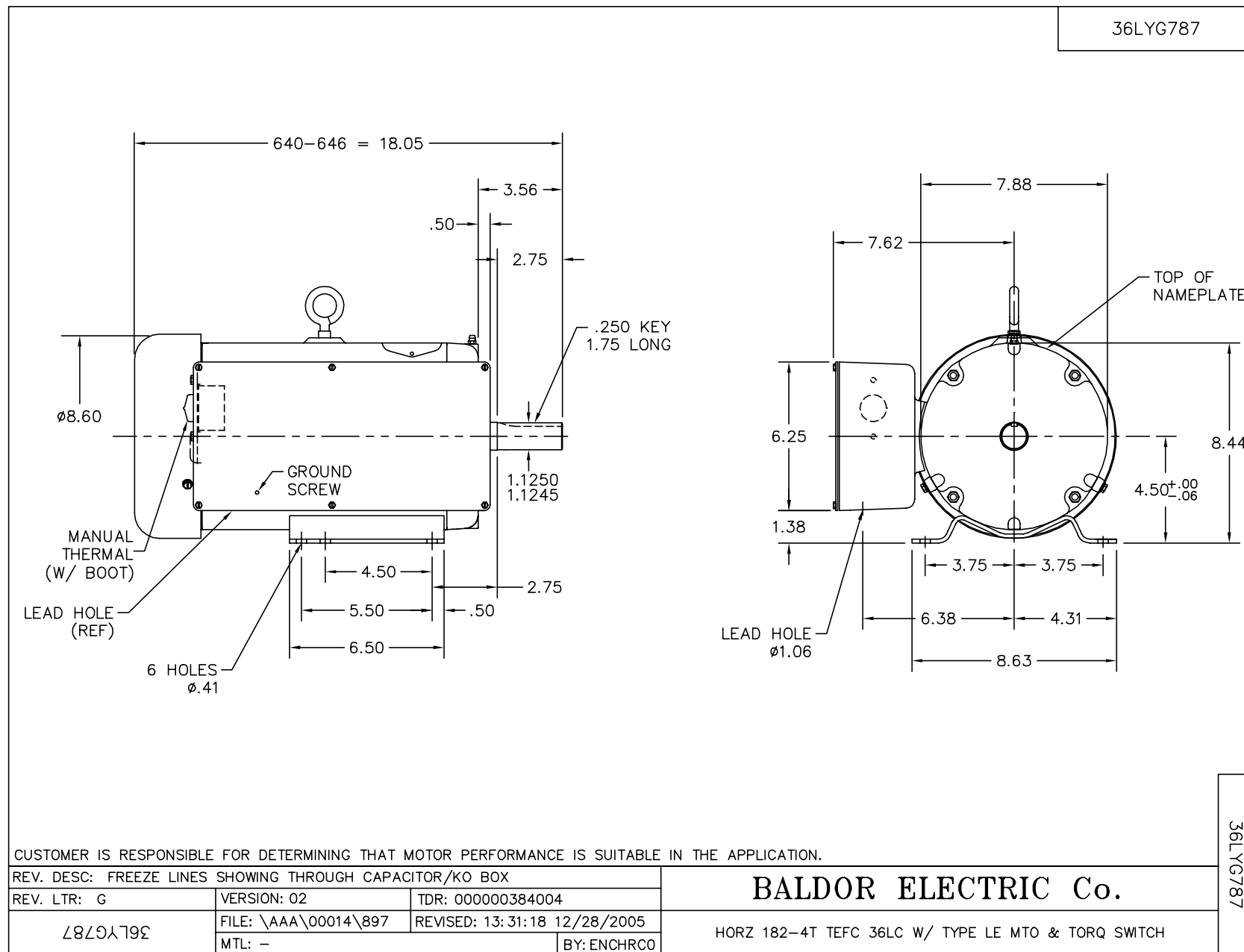
Nameplate Data				230 V, 60 Hz: Single Voltage Motor	
Rated Output (HP)	5			Full Load Torque	15 LB-FT
Volts	230			Start Configuration	direct on line
Full Load Amps	23			Breakdown Torque	43 LB-FT
R.P.M.	1725			Pull-up Torque	36 LB-FT
Hz	60	Phase	1	Locked-rotor Torque	46 LB-FT
NEMA Design Code	L	KVA Code	J	Starting Current	163 A
Service Factor (S.F.)	1			No-load Current	10 A
NEMA Nom. Eff.	80	Power Factor	88	Line-line Res. @ 25°C	0.353 Ω A Ph 2.23 Ω B Ph
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	97°C

Load Characteristics 230 V, 60 Hz, 5 HP

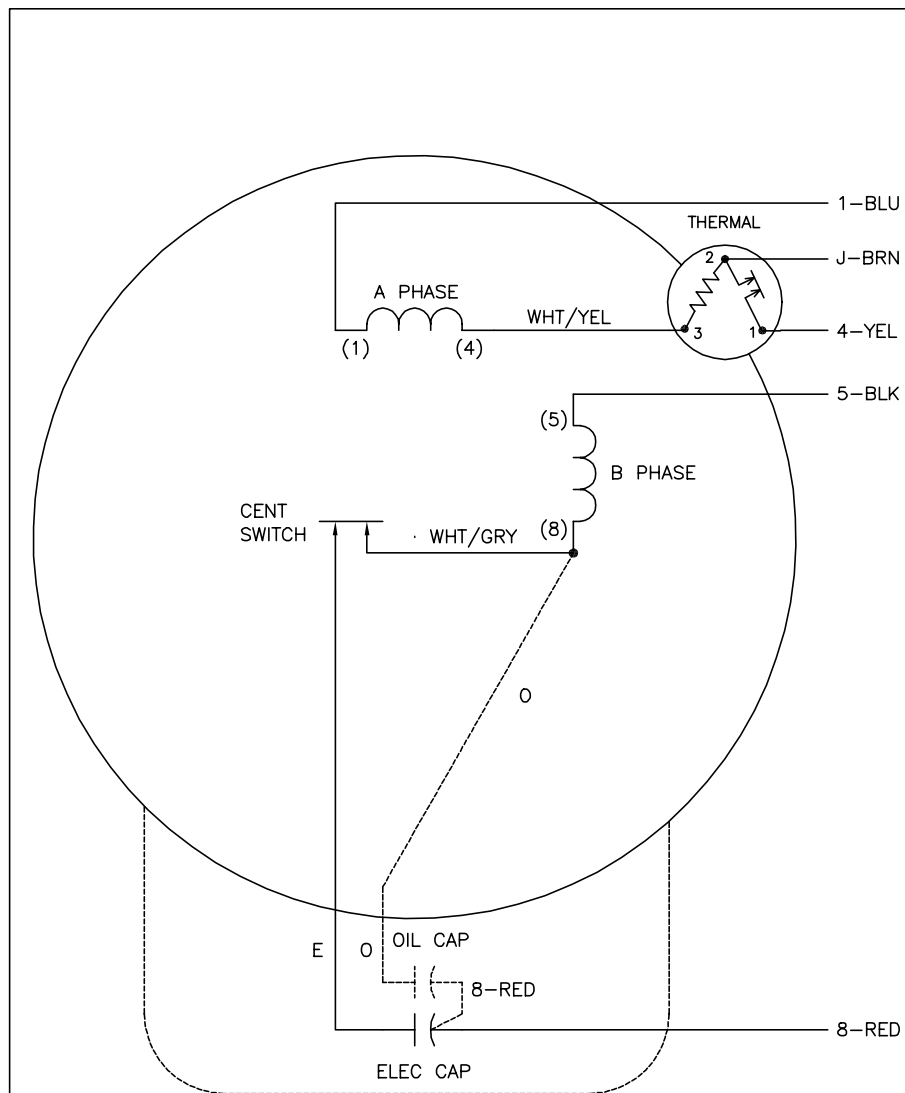
% of Rated Load	25	50	75	100	125	150
Power Factor	54	71	85	89	89	91
Efficiency	65	76.1	81.5	80.8	79.3	75.5
Speed	1786	1769	1750	1732	1713	1687
Line amperes	12.7	14	18.5	22.6	27.3	33.5

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





CD0152



	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. OPTIONAL OIL CAPACITOR IS PROVIDED WHEN SPECIFIED.
4. CAPACITORS MAY BE SEPERATELY MOUNTED.
5. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

REV. DESC: REMOVE OPTIONAL THERMAL CONNECTION

REV. LTR: D

VERSION: 01

TDR: 000000373039

ZG1000

FILE: \AAA\00026\903

REVISED: 11:23:45 08/11/2005

MTL: -

BY: ENJOEPO

BALDOR ELECTRIC Co.

TYPE L OR LC, SV, REV, 5 LDS, THERM, CAPS MAY BE SEP MTD

CD0152