

BALDOR® • RELIANCE

Product Information Packet

FDL3612TM

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

Part Detail							
Revision:	E	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3646LC	Elec. Spec:	36WGW279	CD Diagram:	CD0152
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	36Q167	Layout:	36LYQ167
Frame:	184T	Mounting:	F1	Poles:	04	Created Date:	12-12-2013
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 NP1280L

CAT.NO.	FDL3612TM									
SPEC.	36Q167W279G1									
HP	5									
VOLTS	230									
AMP	23									
RPM	1725									
FRAME	184T				HZ	60		PH	1	
SER.F.	1.00				CODE	J		DES	L	
NEMA-NOM-EFF	80				PF	88		CL	F	
RATING	40C AMB-CONT									
CC					USABLE AT 208V					
DE	6206				ODE	6205				
ENCL	TEFC				SN					

AC Induction Motor Performance Data

Record # 10712 - Typical performance - not guaranteed values

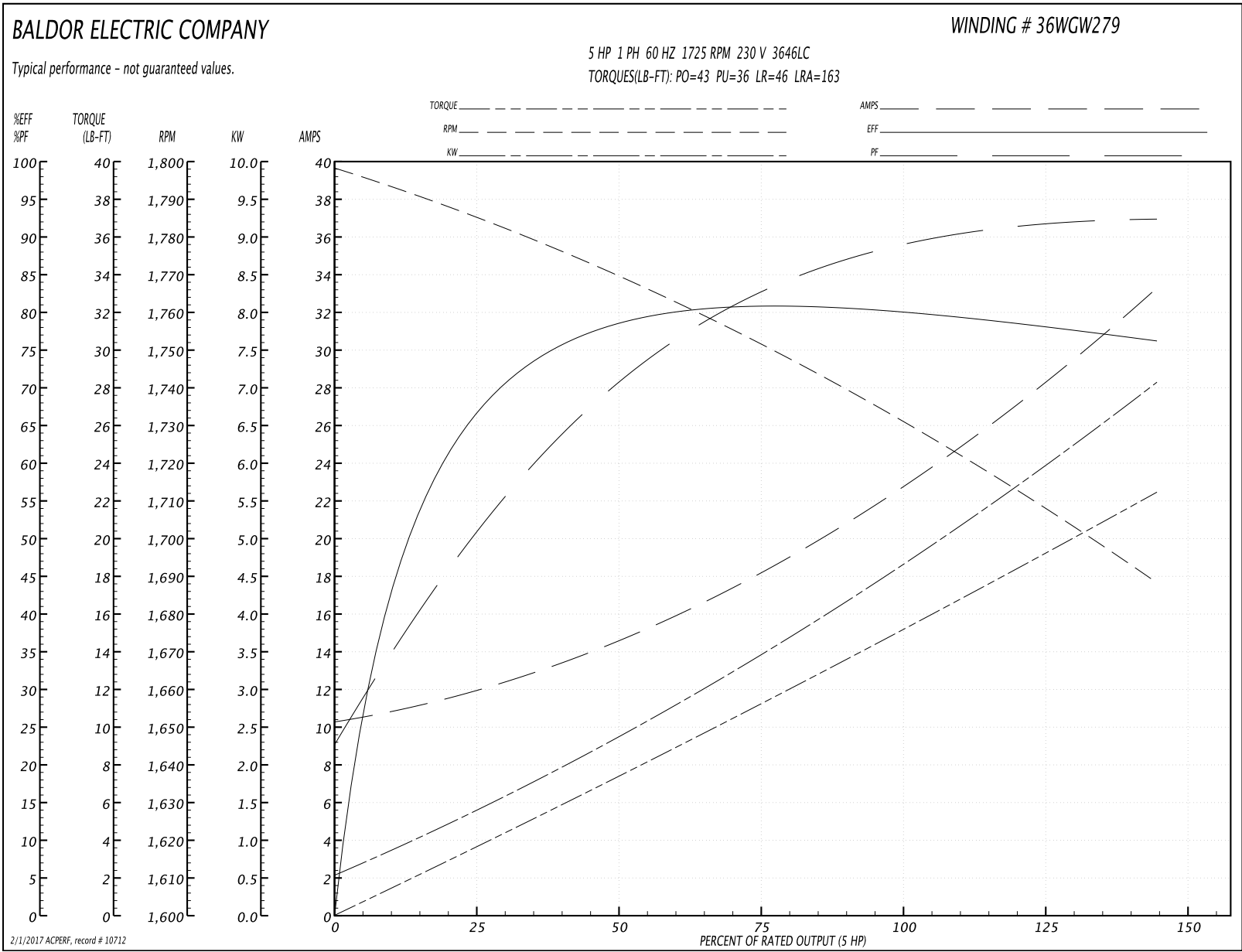
Winding: 36WGW279-R001	Type: 3646LC	Enclosure: TEFC
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Nameplate Data				230 V, 60 Hz: Single Voltage Motor	
Rated Output (HP)	5			Full Load Torque	15 LB-FT
Volts	230			Start Configuration	direct on line
Full Load Amps	23			Breakdown Torque	43 LB-FT
R.P.M.	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

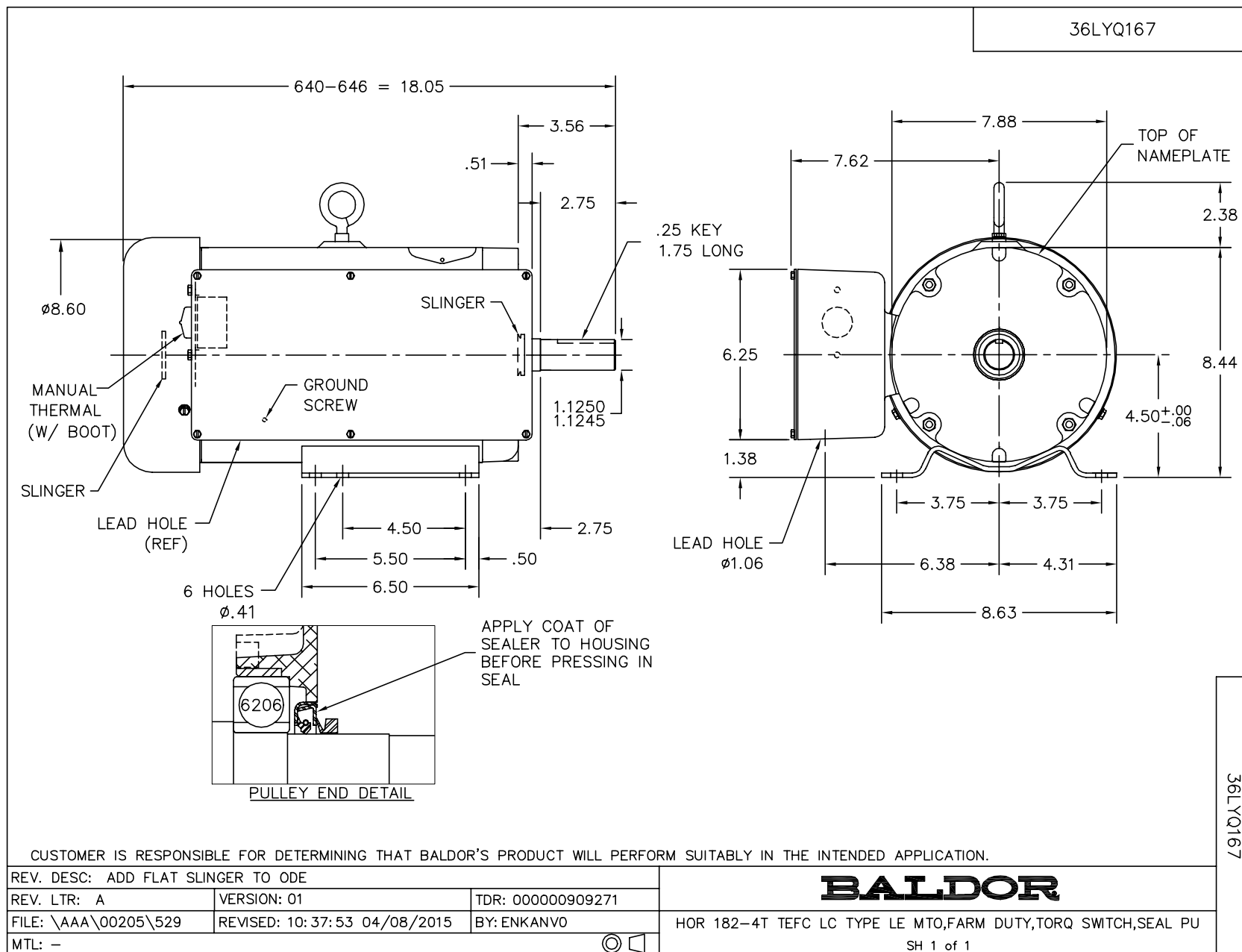
Load Characteristics 230 V, 60 Hz, 5 HP

% 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

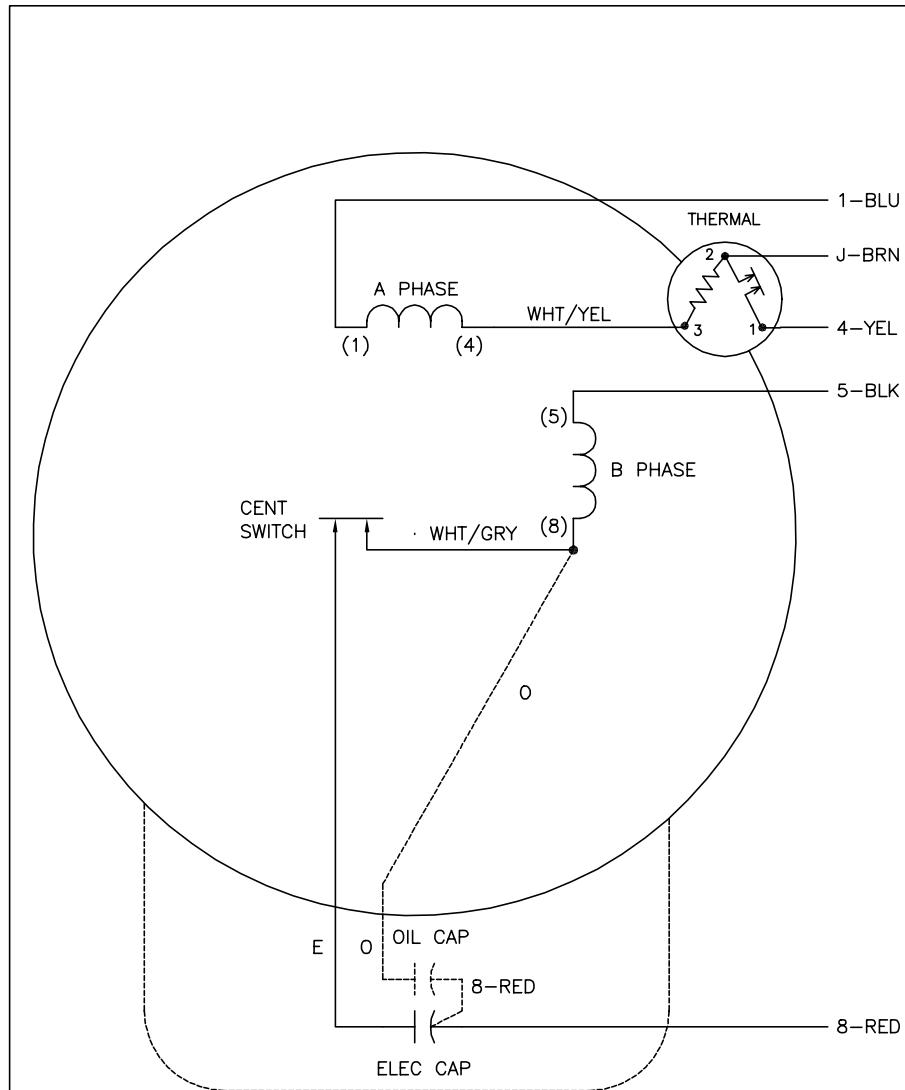


2/1/2017 ACPERF, record # 10712



36LYQ167

CD0152



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

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	
CD0152	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