

BALDOR® • RELIANCE

Product Information Packet

L3608T

5HP,3450RPM,1PH,60HZ,184T,3640LC,TEFC,F1

Part Detail							
Revision:	AM	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	36WG914	CD Diagram:	CD0017A02	Mfg Plant:	
Mech. Spec:	36E004	Layout:	36LYE004	Poles:	02	Created Date:	
Base:	RG	Eff. Date:	07-06-2016	Leads:	2#14 A PH,2#16 B PH		

Specs			
Catalog Number:	L3608T	Inverter Code:	Not Inverter
Enclosure:	TEFC	KVA Code:	G
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 @ 14 AWG, A PH
Synchronous Speed @ Frequency:	3600 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:	3640LC
XP Division:	Not Applicable	Mounting Arrangement:	F1
Agency Approvals:	CSA	Power Factor:	99
	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:	19.500 A @ 230.0 V	Shaft Ground Indicator:	No Shaft Grounding
	22.000 A @ 208.0 V	Shaft Rotation:	Reversible

Design Code:	L	Shaft Slinger Indicator:	No Slinger
Drip Cover:	No 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
Front Face Code:	Standard	Thermal Device - Winding:	None
Front Shaft Indicator:	None	Vibration Sensor Indicator:	No Vibration Sensor
Heater Indicator:	No Heater	Winding Thermal 1:	None
Insulation Class:	F	Winding Thermal 2:	None

Nameplate NP1256L

CAT.NO.	L3608T									
SPEC.	36E04W914									
HP	5									
VOLTS	230									
AMP	19.5									
RPM	3450									
FRAME	184T				HZ		60		PH	1
SER.F.	1.00			CODE	G	DES	L	CLASS	F	
NEMA-NOM-EFF	83			PF	99					
RATING	40C AMB-CONT									
CC				USABLE AT 208V						22
DE	6206			ODE	6205					
ENCL	TEFC		SN							

AC Induction Motor Performance Data

Record # 10881 - Typical performance - not guaranteed values

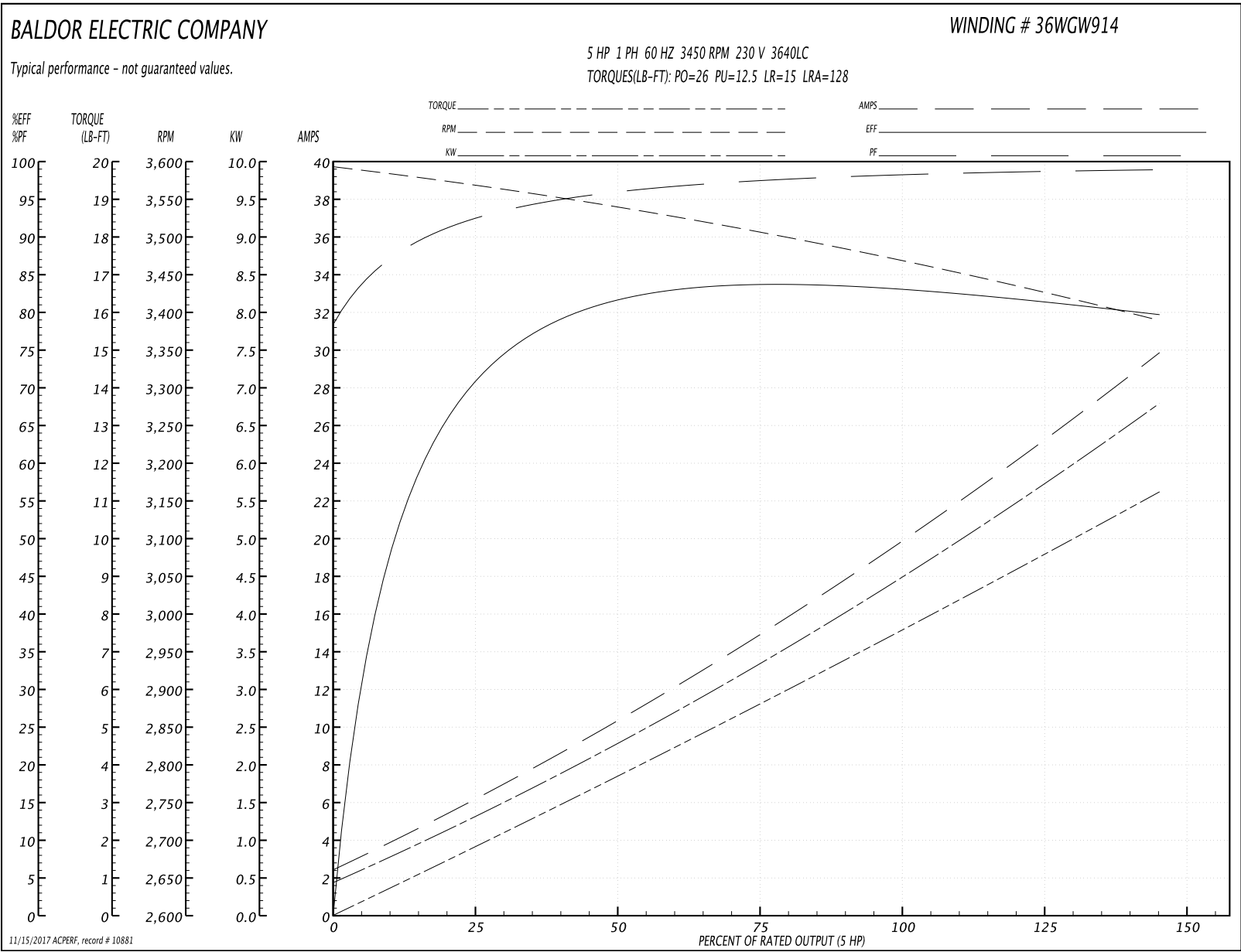
Winding: 36WGW914-R001	Type: 3640LC	Enclosure: TEFC
-------------------------------	---------------------	------------------------

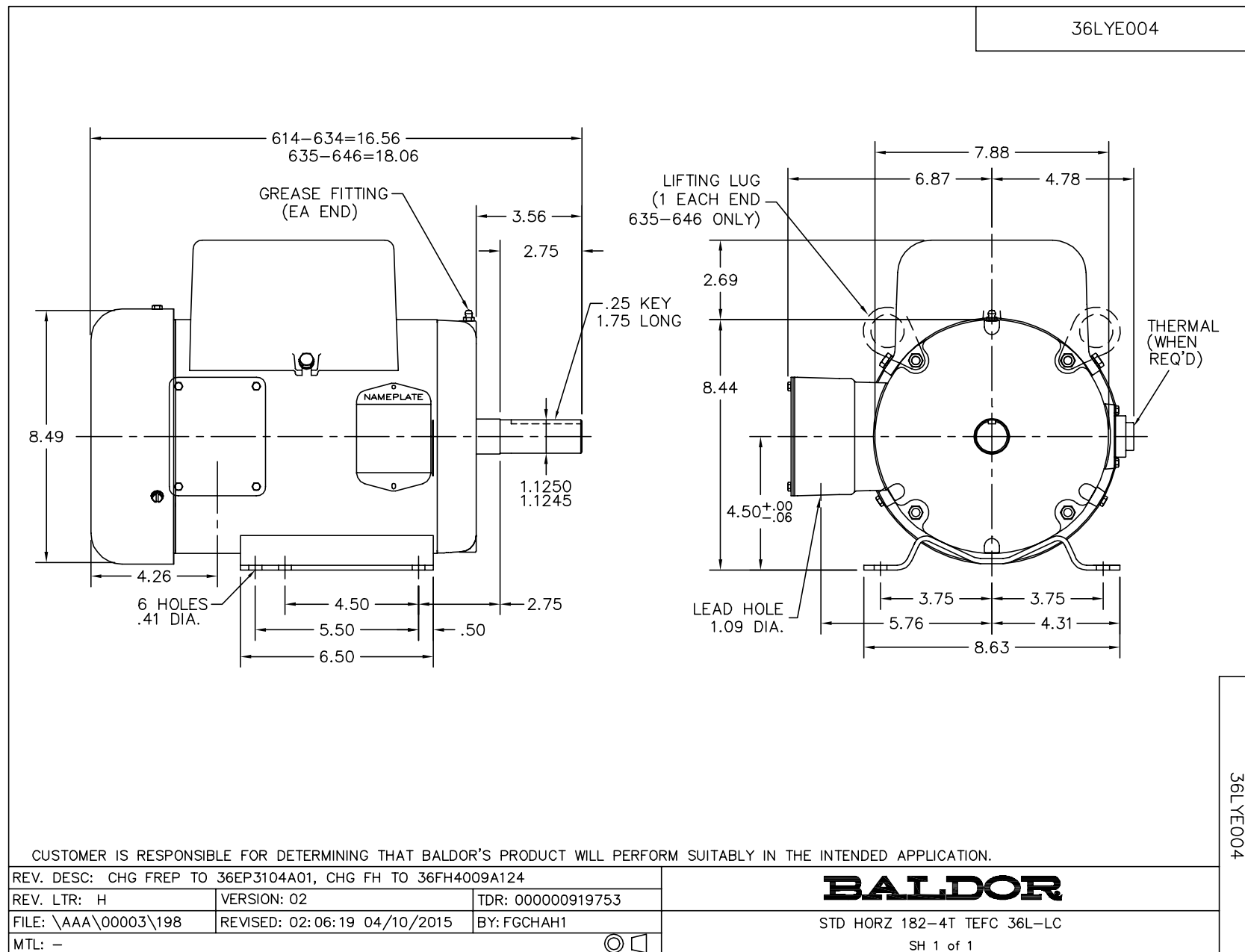
Nameplate Data				230 V, 60 Hz: Single Voltage Motor	
Rated Output (HP)	5			Full Load Torque	7.5 LB-FT
Volts	230			Start Configuration	direct on line
Full Load Amps	19.5			Breakdown Torque	26 LB-FT
R.P.M.	3450			Pull-up Torque	12.5 LB-FT
Hz	60	Phase	1	Locked-rotor Torque	15 LB-FT
NEMA Design Code	L	KVA Code	G	Starting Current	128 A
Service Factor (S.F.)	1			No-load Current	2.3 A
NEMA Nom. Eff.	83	Power Factor	99	Line-line Res. @ 25°C	0.38 Ω A Ph 1.02 Ω B Ph
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	93°C

Load Characteristics 230 V, 60 Hz, 5 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	98	98	98	98	97	97
Efficiency	66.4	81.5	83.9	83.9	82.1	79.2
Speed	3565	3539	3507	3472	3430	3389
Line amperes	6.5	10.4	14.9	19.6	24.7	29.9

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





CD0017A02

