

ABB BALDOR RELIANCE III

Customer information packet

EL3608T

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

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
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	3600 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ
Agency Approvals	CURUSEEV C UR US CURUS
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	19.400 A @ 230.0 V
Design Code	L
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	85.0 %
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	19.4 a
Insulation Class	F

Part Detail

Revision	W
Type	AC
Mech. spec.	36E004
Base	
Status	PRD/A
Elec. spec.	36WGS114
Layout	36LYE004
Eff. date	07-17-2025
CD Diagram	CD0017A02
Poles	02
Leads	2#14 A PH,2#16 B PH
Proprietary	False
Created date	11-12-2008

Inverter Code	Not Inverter
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 @ 14 AWG, A PH
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3640LC
Mounting Arrangement	F1
Number of Poles	2
Overall Length	18.06 IN
Power Factor	98
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
Service Factor	1.00
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	3450 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None
Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	None
Winding Thermal 2	None

Nameplate

NP2116L									
CAT.NO.	EL3608T								
SPEC.	36E004S114E7								
HP	5								
VOLTS	230								
AMP	19.4								
RPM	3450								
FRAME	184T		HZ	60		PH	1		
SER.F.	1.00	CODE	H	DES	L	CL	F		
NEMA-NOM-EFF	85	PF	98						
RATING	40C AMB-CONT								
CC									
DE	6206	ODE	6205						
ENCL	TEFC	SN							

AC Induction Motor Performance Data

Record # 34390

Typical performance - not guaranteed values

Winding: 36WGS114-R001				Type: 3640LC		Enclosure: TEFC	
Nameplate Data				230 V, 60 Hz: Single Voltage Motor			
Rated Output (HP)		5		Full Load Torque		7.52 LB-FT	
Volts		230		Start Configuration		direct on line	
Full Load Amps		19.4		Breakdown Torque		20.7 LB-FT	
R.P.M.		3450		Pull-up Torque		15.8 LB-FT	
Hz		60		Phase		1	
NEMA Design Code		L		KVA Code		H	
Service Factor (S.F.)		1		No-load Current		1.53 A	
NEMA Nom. Eff.		85		Power Factor		98	
				Line-line Res. @ 25°C		0.38589 Ω A Ph 1.3693 Ω B Ph	
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load		67°C	

Load Characteristics 230 V, 60 Hz, 5 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	98	99	99	98	98	97
Efficiency	77.8	85.4	86.6	85	82.6	78.8
Speed	3571	3543.4	3511.7	3476.2	3430.9	3373.4
Line amperes	5.28	9.49	14.1	19.2	25	31.9

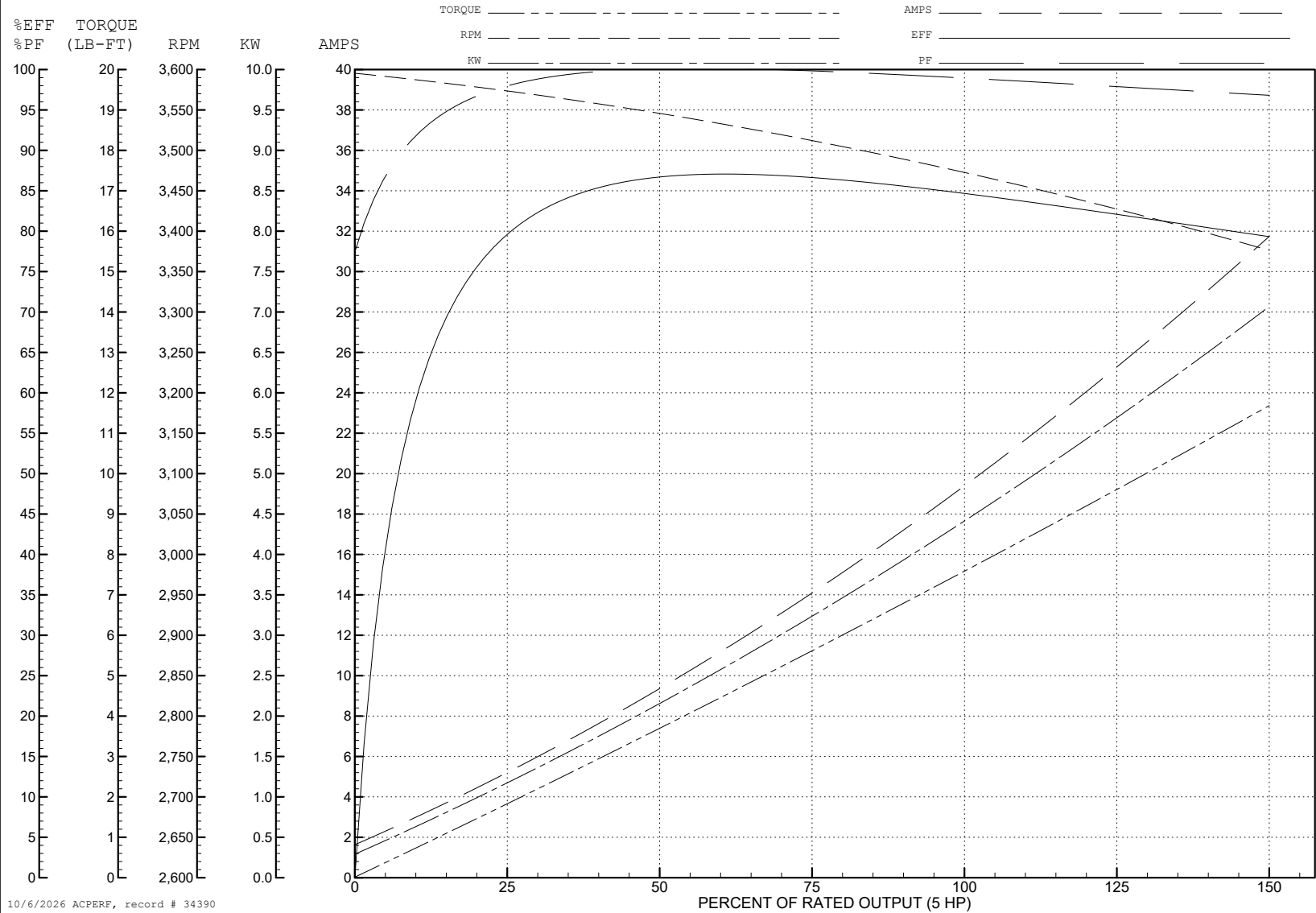
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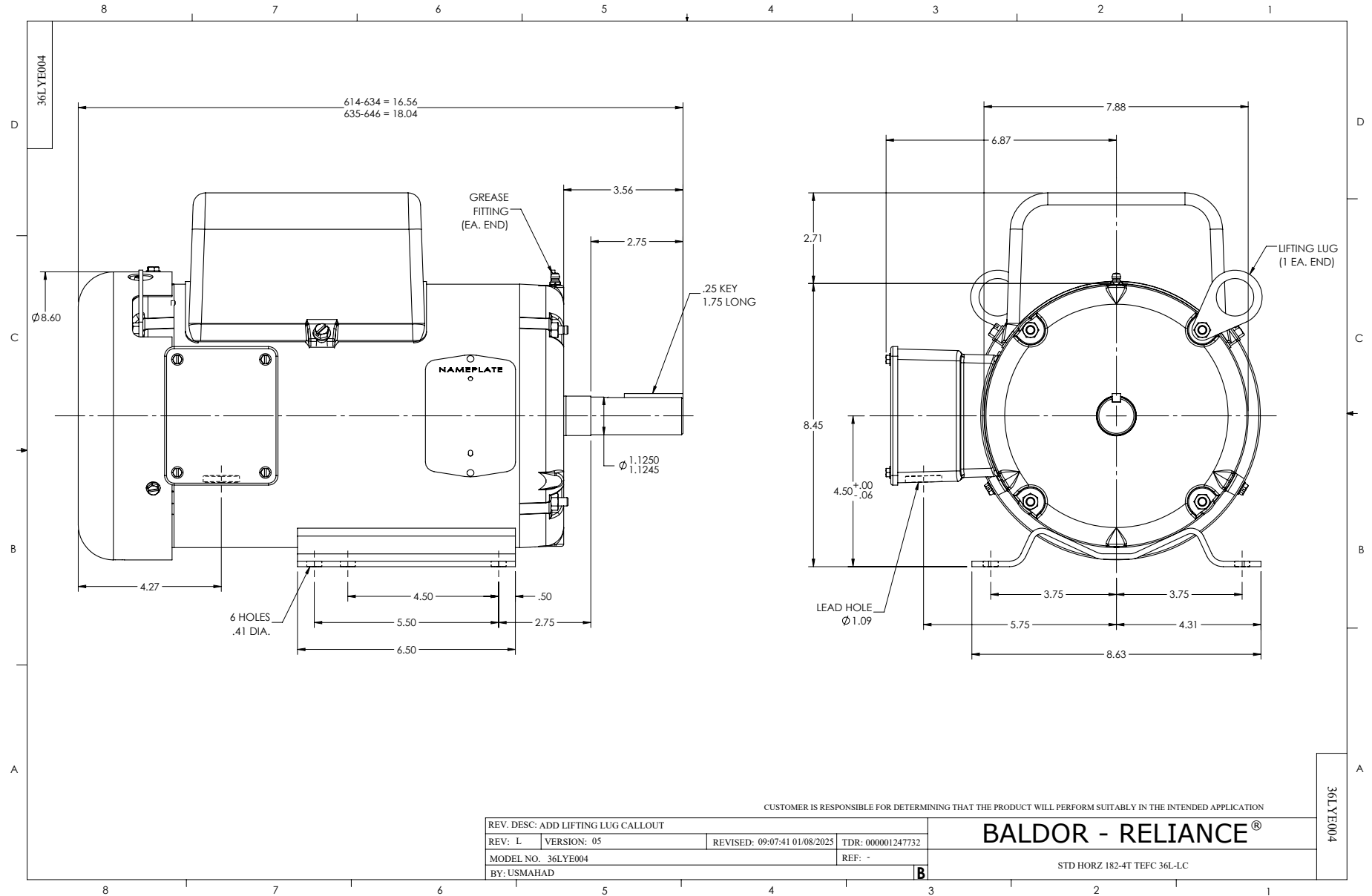
WINDING # 36WGS114

Typical performance - not guaranteed values.

5 HP 1 PH 60 HZ 3450 RPM 230 V 3640LC

TORQUES (LB-FT): PO=20.7 PU=15.8 LR=24.3 LRA=145





CD0017A02

