

ABB BALDOR RELIANCE III

Customer information packet

FDL3619TM

3HP, 1725RPM, 1PH, 60HZ, 184T, 3634LC, 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	3.000 HP @ 60 HZ
Phase	1
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ
Agency Approvals	UR CSA
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	13.200 A @ 230.0 V
Design Code	L
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	81.5 %
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	13.2 a
Insulation Class	F
Inverter Code	Not Inverter

Part Detail

Revision	N
Type	AC
Mech. spec.	36Q165
Base	
Status	PRD/A
Elec. spec.	36WGW835
Layout	36LYQ165
Eff. date	04-15-2025
CD Diagram	CD0002A02
Poles	04
Leads	2#14 A PH,3#16 B&J
Proprietary	False
Created date	12-12-2013

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	3634LC
Mounting Arrangement	F1
Number of Poles	4
Overall Length	16.54 IN
Power Factor	90
Product Family	General Purpose
Pulley End Bearing Type	Sealed Bearing
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	Shaft Slinger
Speed	1725 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	Manual Thermal Overload
Winding Thermal 1 Location	KO
Winding Thermal 2	None

Nameplate

NP1280L									
CAT.NO.	FDL3619TM								
SPEC.	36Q165W835G1								
HP	3								
VOLTS	230								
AMP	13.2								
RPM	1725								
FRAME	184T	HZ		60		PH		1	
SER.F.	1.00	CODE		H	DES		L	CL	F
NEMA-NOM-EFF	81.5	PF		90					
RATING	40C AMB-CONT								
CC									
DE	6206	ODE		6205					
ENCL	TEFC	SN							

Accessories

Part number	Description	Multiplier
36-3301FDA	C FACE KIT FARM DUTY F182-4TC, ENCL,	P1
36EP1304A62SP	FLANGE MTD ENDPLATE 182-4TD -ENCL (LESS	A8

AC Induction Motor Performance Data

Record # 10851

Typical performance - not guaranteed values

Winding: 36GW835-R001			Type: 3634LC		Enclosure: TEFC			
Nameplate Data			230 V, 60 Hz: Single Voltage Motor					
Rated Output (HP)		3	Full Load Torque		9 LB-FT			
Volts		230	Start Configuration		direct on line			
Full Load Amps		13.2	Breakdown Torque		22 LB-FT			
R.P.M.		1725	Pull-up Torque		21.7 LB-FT			
Hz	60	Phase	1	Locked-rotor Torque		26 LB-FT		
NEMA Design Code		L	KVA Code	H	Starting Current		100 A	
Service Factor (S.F.)		1		No-load Current		6.2 A		
NEMA Nom. Eff.		81.5	Power Factor		90	Line-line Res. @ 25°C		0.698 Ω A Ph 1.342 Ω B Ph
Rating - Duty		40C		AMB-CONT		Temp. Rise @ Rated Load		84°C

Load Characteristics 230 V, 60 Hz, 3 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	66	82	84	89	90	92
Efficiency	61.5	75	76.2	79.7	80.3	77.4
Speed	1790	1783	1774	1764	1754	1739
Line amperes	7.8	8.1	11.6	13.9	16.8	20.5

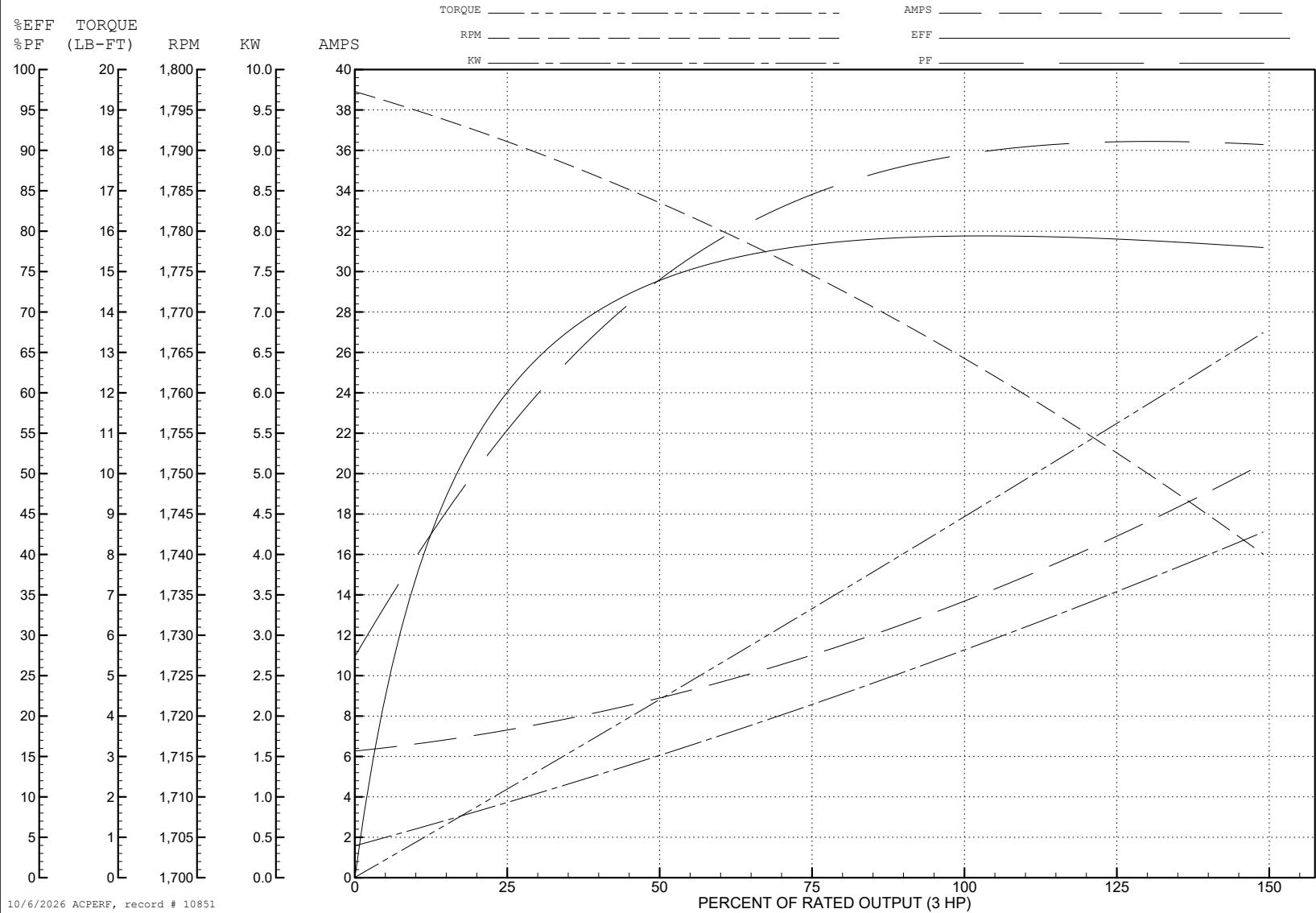
ABB Motors and Mechanical Inc.

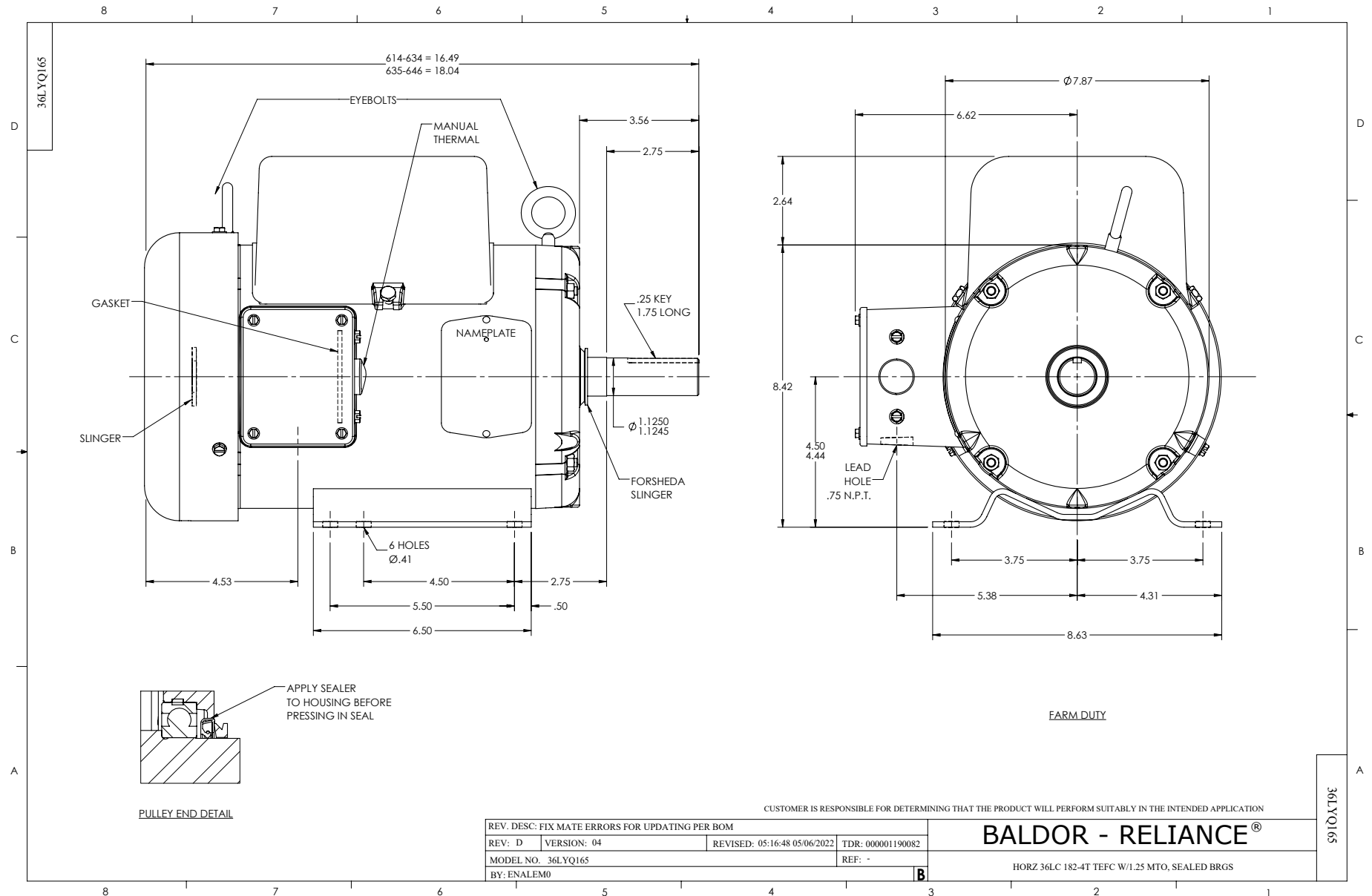
WINDING # 36GW835

Typical performance - not guaranteed values.

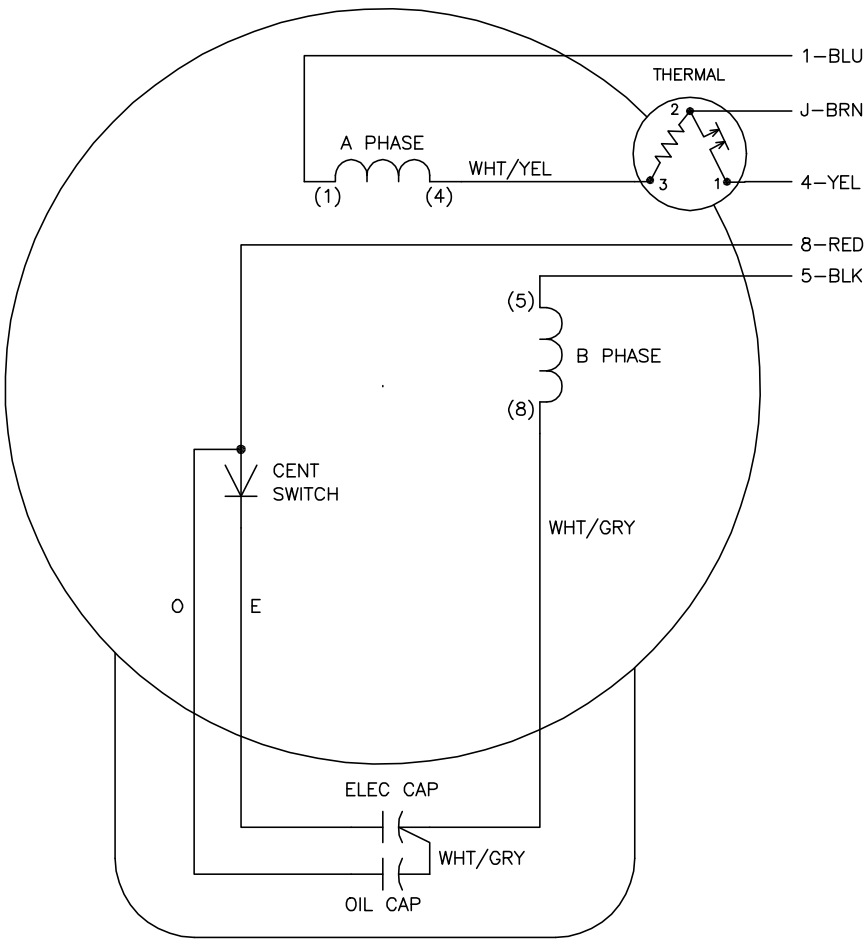
3 HP 1 PH 60 HZ 1725 RPM 230 V 3634LC

TORQUES (LB-FT): PO=22 PU=21.7 LR=26 LRA=100





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		
REV. LTR: D	VERSION: 01	TDR: 000000360649
CD0002A02	FILE: \AAA\00007\520	REVISED: 17:11:40 04/15/2005
	MTL: -	BY: ENJOEPO

BALDOR ELECTRIC Co.

TYPE LC, SV, REV, THERMAL, 5 LEADS

CD0002A02