ABB BALDOR RELIANCE

Customer information packet

IR3605M

2HP, 1725RPM, 1PH, 60HZ, 184, 3634L, TEFC, F1
Class - None
Division - Not Applicable

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Specifications

Enclosure	TEFC
Frame	184U
Frame Material	Steel
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Cap Start, Induction Run
Output @ Frequency	2.000 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	11.500 A @ 230.0 V
Design Code	L
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	71.0 %
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	11.5 a
Insulation Class	B
Inverter Code	Not Inverter

Part Detail

Revision	AS
Type	AC
Mech. spec.	36G215
Base	
Status	PRD/A
Elec. spec.	36WGX350
Layout	36LYG215
Eff. date	01-09-2026
CD Diagram	CD0045
Poles	04
Leads	2#14 A PH,6#16 B&J
Proprietary	False
Created date	01-01-0001

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	3634L
Mounting Arrangement	F1
Number of Poles	4
Overall Length	15.68 IN
Power Factor	75
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
Service Factor	1.15
Shaft Diameter	0.875 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No 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.									
SPEC.	36G215X350								
HP	2								
VOLTS	230								
AMP	11.5								
RPM	1725								
FRAME	184U	**HZ**	60		**PH**	1			
SER.F.	1.15	**CODE**	H	**DES**	L	**CL**	B		
NEMA-NOM-EFF	71	**PF**	75						
RATING	40C AMB-CONT								
CC									
DE	6206	**ODE**	6205						
ENCL	TEFC	**SN**							

Accessories

Part number	Description	Multiplier
36-1037	C FACE KIT	A8

AC Induction Motor Performance Data
Record # 10956
Typical performance - not guaranteed values

Winding: 36WGX350-R001	**Type:** 3634L	**Enclosure:** TEFC

Nameplate Data			**230 V, 60 Hz: Single Voltage Motor**	
Rated Output (HP)		2	**Full Load Torque**	6 LB-FT
Volts		230	**Start Configuration**	direct on line
Full Load Amps		11.5	**Breakdown Torque**	14 LB-FT
R.P.M.		1725	**Pull-up Torque**	13.5 LB-FT
Hz	60 **Phase**	1	**Locked-rotor Torque**	17.5 LB-FT
NEMA Design Code	L **KVA Code**	H	**Starting Current**	62 A
Service Factor (S.F.)		1.15	**No-load Current**	5.7 A
NEMA Nom. Eff.	71 **Power Factor**	75	**Line-line Res. @ 25ºC**	0.948 Ω A Ph 2.5 Ω B Ph
Rating - Duty		40C AMB-CONT	**Temp. Rise @ Rated Load**	82°C
S.F. Amps			**Temp. Rise @ S.F. Load**	99°C

Load Characteristics 230 V, 60 Hz, 2 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	42	61	72	79	83	85	0
Efficiency	62.2	74.3	78	78.8	77.9	75.7	0
Speed	1785	1772	1758	1741	1722	1698	0
Line amperes	6.2	7.2	8.6	10.4	12.6	15.2	11.7

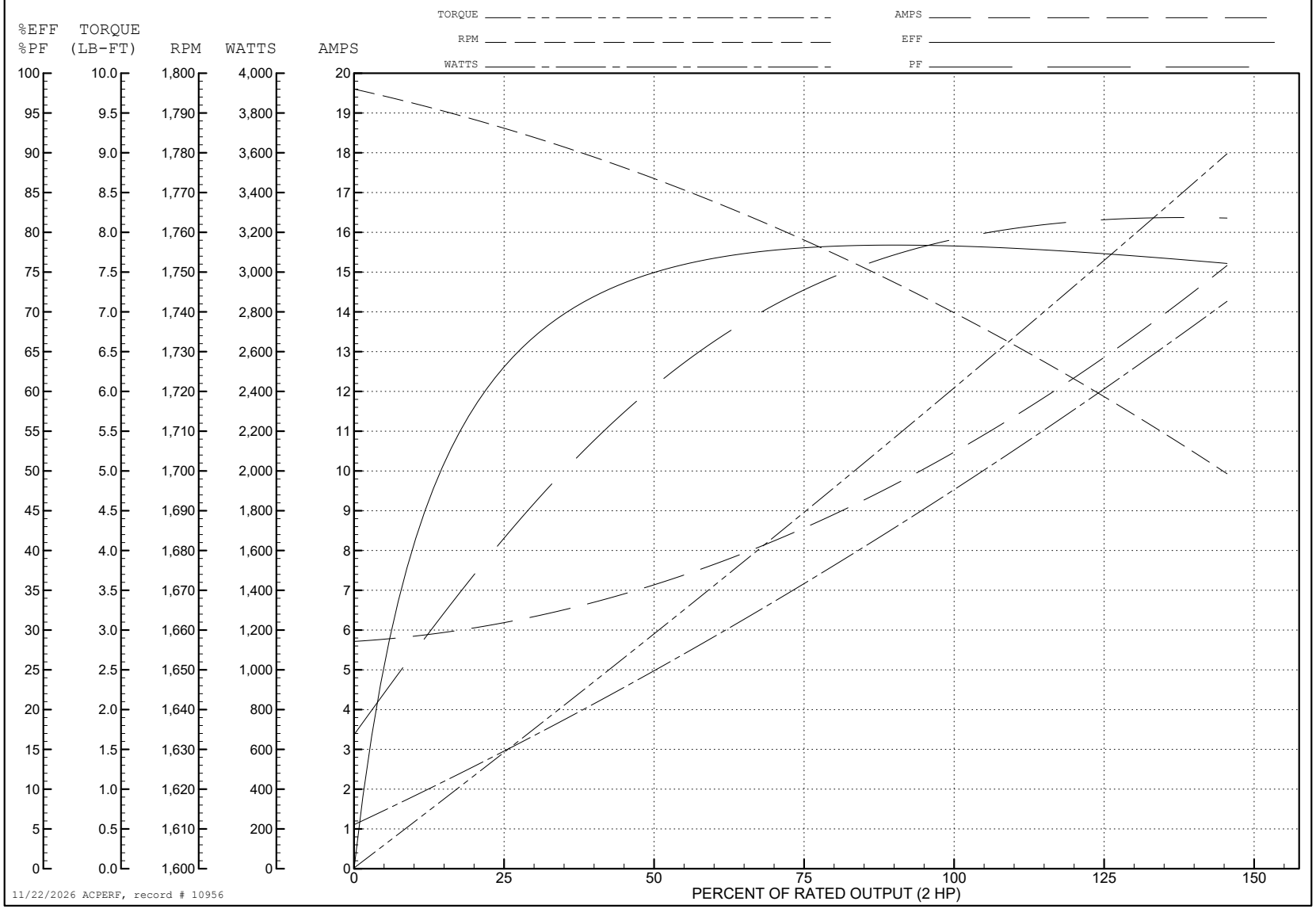
ABB Motors and Mechanical Inc.

WINDING # 36WGX350

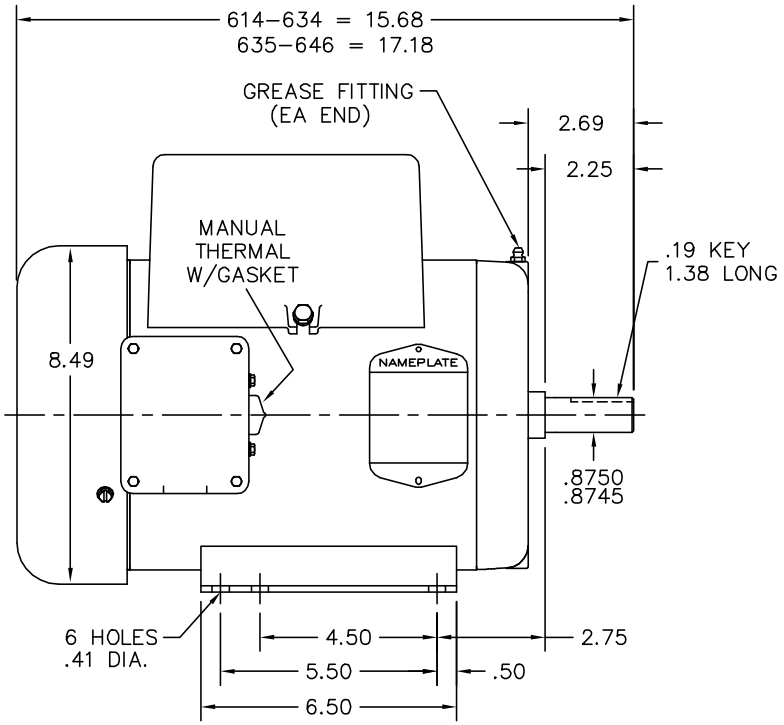
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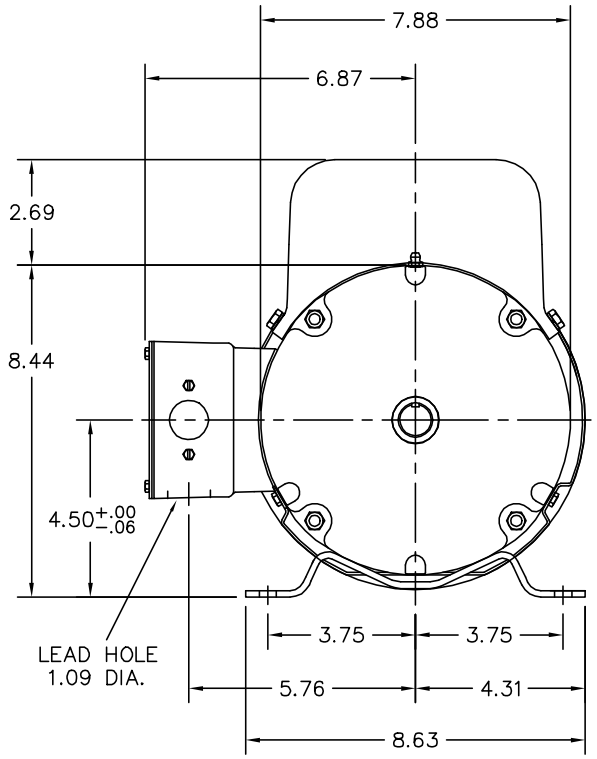
Typical performance - not guaranteed values.

TORQUES(LB-FT): PO=14 PU=13.5 LR=17.5 LRA=62



36LYG215





CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION.

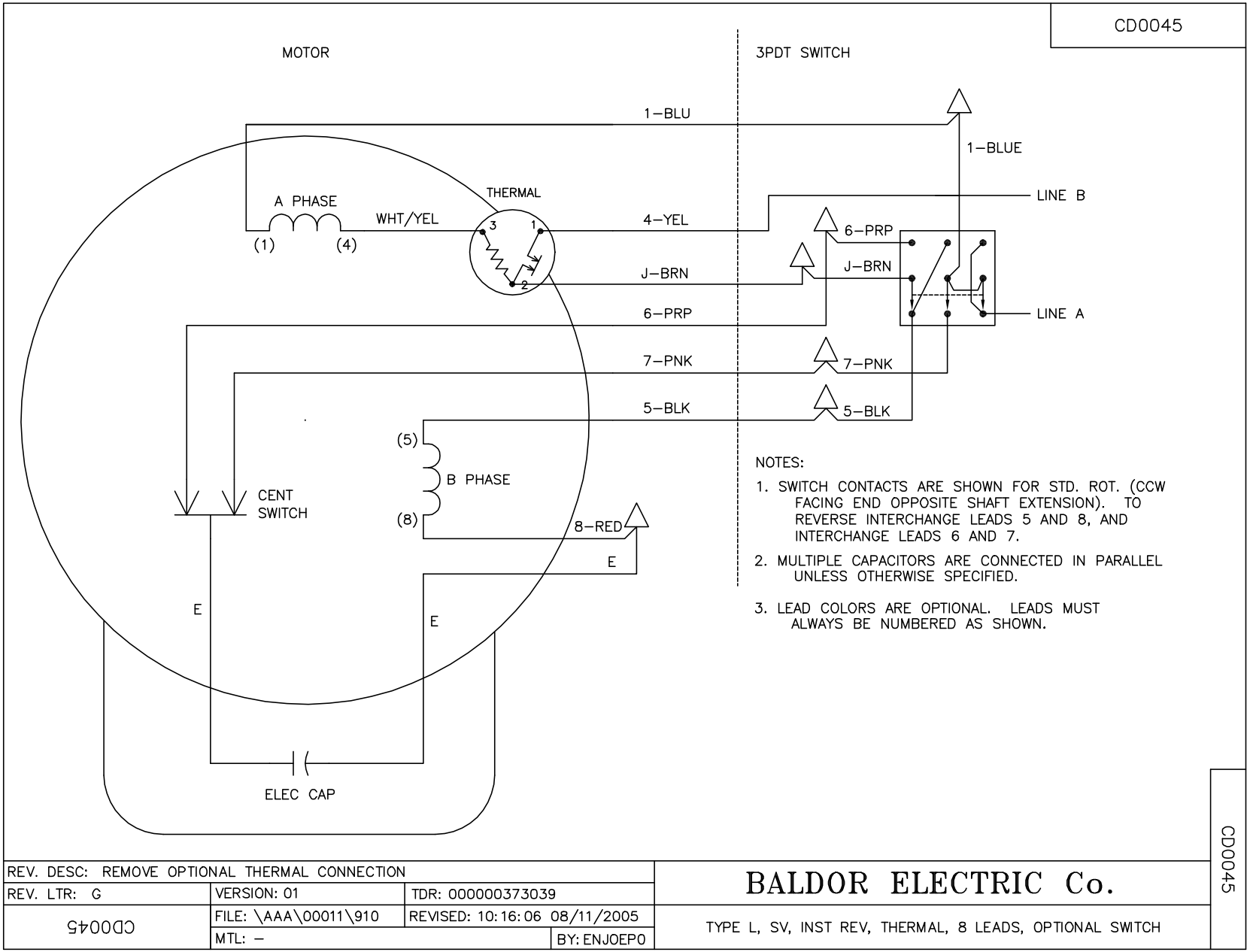
REV. DESC: REPLACE 36EP3104A83 W/36EP3101B17, 36FH4009A102		
REV. LTR: H	VERSION: 02	TDR: 000000949861
FILE: \AAA\00016\779	REVISED: 10:18:18 10/22/2015	BY: ENALEMO
MTL: –		

BALDOR

HOR 36LC TEFC 182–4 INSTANT REV. W/1" MTO IN BOX (FARM DUTY)

SH 1 of 1

36LYG215


CD0045
MOTOR
3PDT SWITCH
1–BLU
1–BLUE
LINE B
A PHASE
(1)
(4)
WHT/YEL
THERMAL
3
1
2
4–YEL
6–PRP
J–BRN
J–BRN
6–PRP
LINE A
7–PNK
7–PNK
5–BLK
5–BLK
(5)
B PHASE
(8)
CENT
SWITCH
8–RED
E
E
E
ELEC CAP
NOTES:
1. SWITCH CONTACTS ARE SHOWN FOR STD. ROT. (CCW FACING END OPPOSITE SHAFT EXTENSION). TO REVERSE INTERCHANGE LEADS 5 AND 8, AND INTERCHANGE LEADS 6 AND 7.
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 OPTIONAL THERMAL CONNECTION
REV. LTR: G
VERSION: 01
TDR: 000000373039
FILE: \AAA\00011\910
REVISED: 10:16:06 08/11/2005
MTL: –
BY: ENJOEPO
BALDOR ELECTRIC Co.
TYPE L, SV, INST REV, THERMAL, 8 LEADS, OPTIONAL SWITCH
CD0045
CD0045