ABB BALDOR RELIANCE

Customer information packet

MVM3613D

3.7KW, 3450RPM, 3PH, 60HZ, D100LD, 3626M, TEFC
Class -
Division - Not Applicable

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11/19/2026 6:59:20 AM

Specifications

Enclosure	TEFC
Frame	D100LD
Frame Material	Steel
Frequency	60.00 Hz
Haz Area Division	Not Applicable
Motor Letter Type	Three Phase
Output @ Frequency	3.700 KW @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	3600 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ
	208.0 V @ 60 HZ
	460.0 V @ 60 HZ
Agency Approvals	CE
	CSA
	UR
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Auxiliary Box Lead Termination	None
Base Indicator	N
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	12.600 A @ 208.0 V
	5.800 A @ 460.0 V
	11.600 A @ 230.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	87.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Frame Prefix	D
Front Face Code	Standard

Part Detail

Revision	J
Type	AC
Mech. spec.	36H938
Base	
Status	NLA/A
Elec. spec.	36WGT850
Layout	36LYH938
Eff. date	03-08-2016
CD Diagram	CD0005
Poles	02
Leads	9#16
Proprietary	False
Created date	05-26-2010

Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	5.8 a
Insulation Class	F
Inverter Code	Not Inverter
KVA Code	K
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	9 @ 16 AWG
Motor Lead Termination	Flying Leads
Motor Standards	IEC
Motor Type	3626M
Mounting Arrangement	B5
Number of Poles	2
Overall Length	15.77 IN
Power Factor	93
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	D-Flange
Pulley Shaft Indicator	Tapped & Key
Rodent Screen	None
Service Factor	1.15
Shaft Diameter	1.103 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

NP1407L								
CAT.NO.	MVM3613D							
SPEC.	36H938T850H1							
IEC FRAME	D100LD		**K.W.**	3.7KW TE				
VOLTS	208-230/460							
AMP	12.6-11.6/5.8							
RPM	3450			**I.P.**	54			
HZ	60		**PH**	3	**CL**	F		
SER.F.	1.15		**DES**	B	**CODE**	K		
NEMA-NOM-EFF	87.5	**PF**	93					
RATING	40C AMB-CONT							
CC	010A		**USABLE AT 208V**		N/A			
DE	6206	**ODE**	6205					
SER. #								

AC Induction Motor Performance Data
Record # 28487
Typical performance - not guaranteed values

Winding: 36WGT850-R002	**Type:** 3626M	**Enclosure:** TEFC

Nameplate Data				**460 V, 60 Hz: High Voltage Connection**	
Rated Output (KW)			3.7	**Full Load Torque**	7.62 LB-FT
Volts			208-230/460	**Start Configuration**	direct on line
Full Load Amps			12.6-11.6/5.8	**Breakdown Torque**	32.6 LB-FT
R.P.M.			3450	**Pull-up Torque**	23.6 LB-FT
Hz	60	**Phase**	3	**Locked-rotor Torque**	26.7 LB-FT
NEMA Design Code	B	**KVA Code**	K	**Starting Current**	54 A
Service Factor (S.F.)			1.15	**No-load Current**	1.89 A
NEMA Nom. Eff.	87.5	**Power Factor**	93	**Line-line Res. @ 25ºC**	2.44 Ω
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	71°C
S.F. Amps				**Temp. Rise @ S.F. Load**	90°C
				Locked-rotor Power Factor	46
				Rotor inertia	0.116 LB-FT2

Load Characteristics 460 V, 60 Hz, 3.7 KW

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	60	81	89	93	94	95	94
Efficiency	82.4	87.8	88.3	87.5	86	84.1	86.6
Speed	3564	3530	3494	3454	3412	3363	3429
Line amperes	2.34	3.36	4.52	5.79	7.24	8.8	6.66

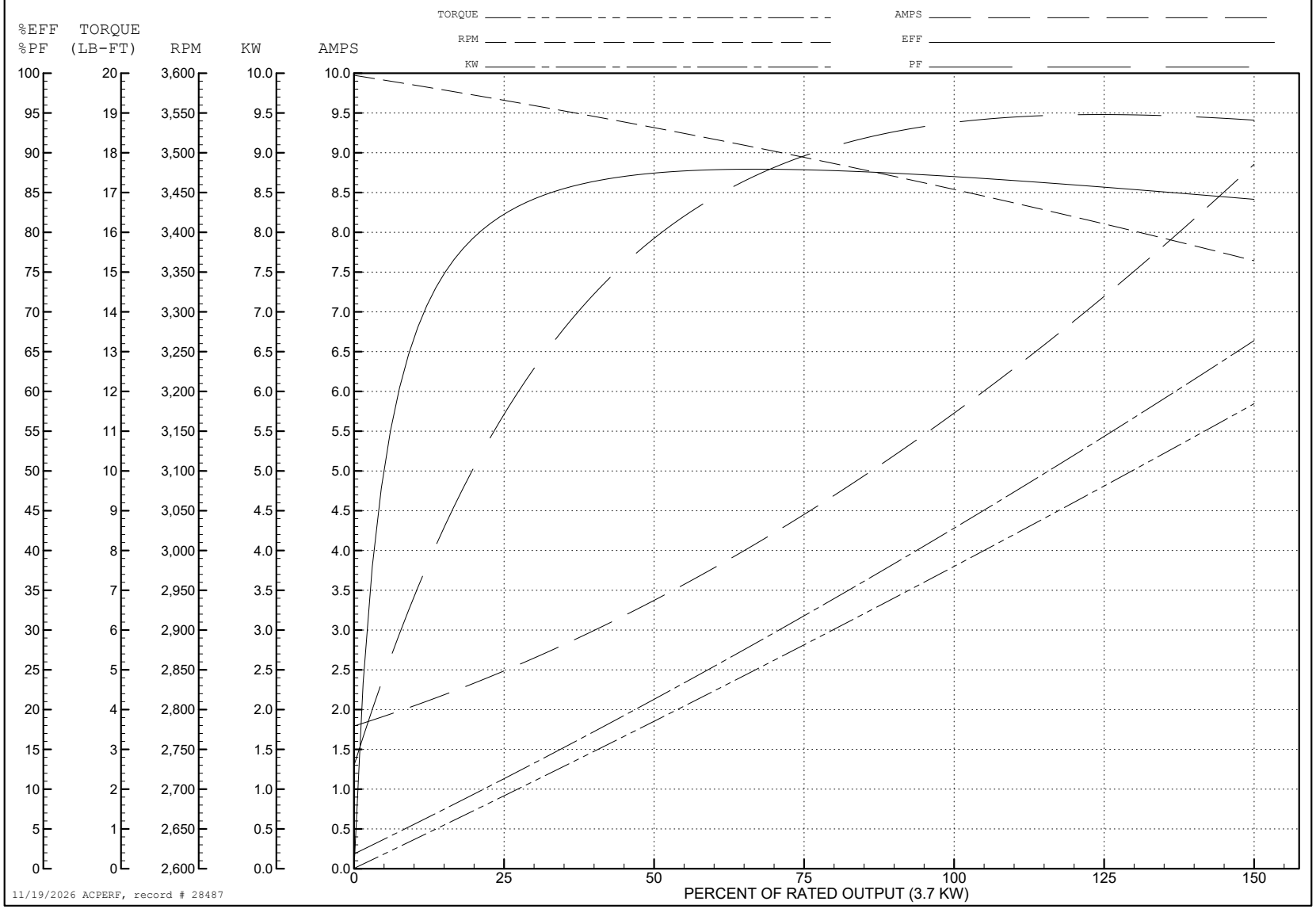
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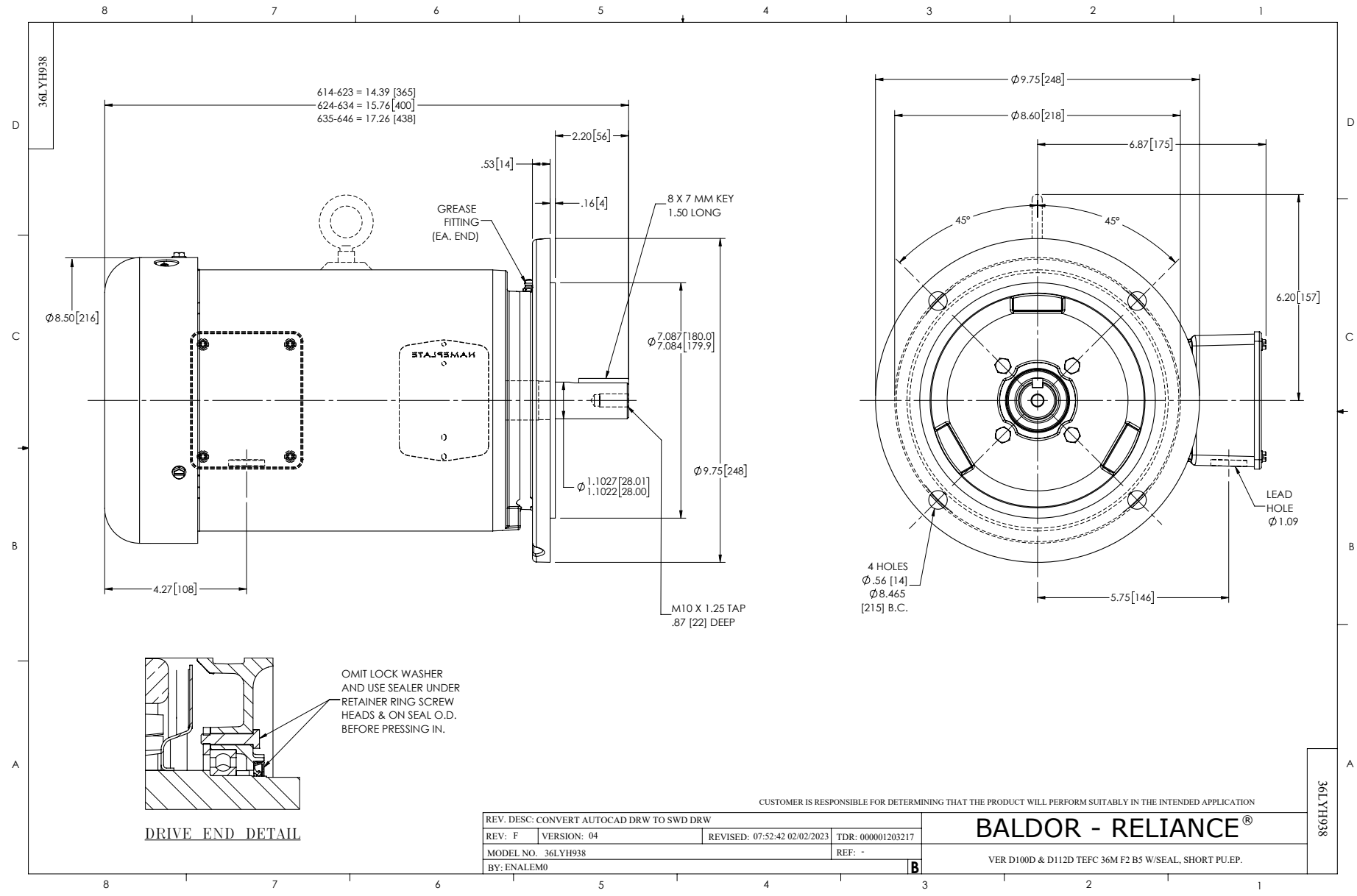
WINDING # 36WGT850

3.7 KW 3 PH 60 HZ 3450 RPM 460 V 3626M

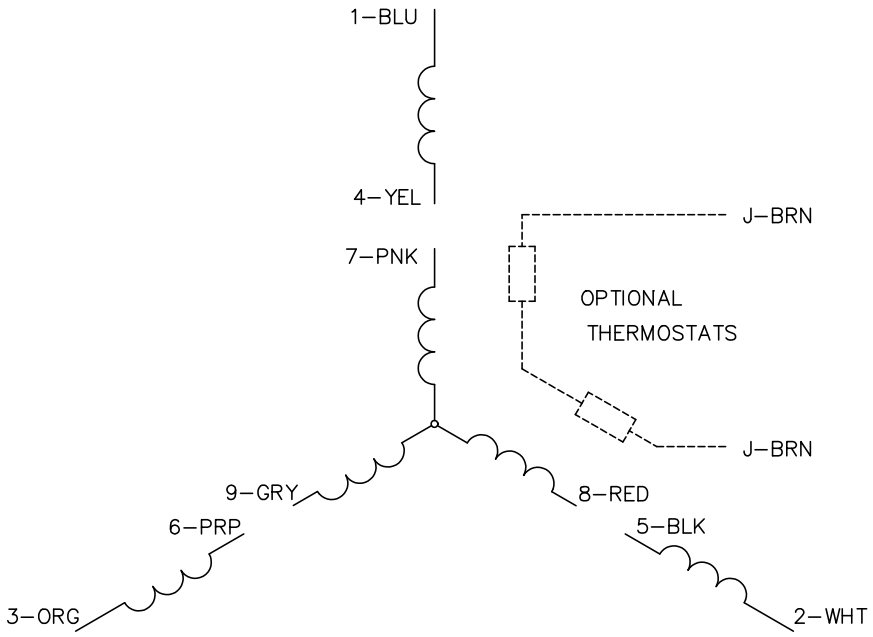
Typical performance - not guaranteed values.

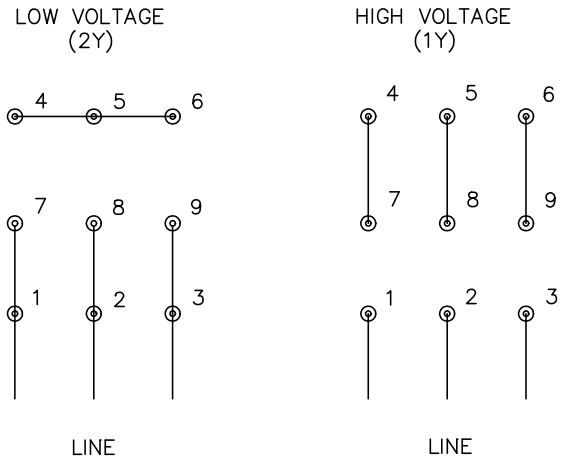
TORQUES(LB-FT): PO=32.6 PU=23.6 LR=26.7 LRA=54




36LYH938
614-623 = 14.39 [365]
624-634 = 15.76 [400]
635-646 = 17.26 [438]
2.20 [56]
.53 [14]
.16 [4]
GREASE FITTING (EA. END)
8 X 7 MM KEY 1.50 LONG
Ø8.50 [216]
Ø7.087 [180.0]
7.084 [179.9]
Ø9.75 [248]
Ø1.1027 [28.01]
1.1022 [28.00]
4.27 [108]
M10 X 1.25 TAP .87 [22] DEEP
Ø9.75 [248]
Ø8.60 [218]
6.87 [175]
45°
45°
6.20 [157]
LEAD HOLE Ø1.09
4 HOLES Ø.56 [14] Ø8.465 [215] B.C.
5.75 [146]
OMIT LOCK WASHER AND USE SEALER UNDER RETAINER RING SCREW HEADS & ON SEAL O.D. BEFORE PRESSING IN.
DRIVE END DETAIL
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: CONVERT AUTOCAD DRW TO SWD DRW
REV: F
VERSION: 04
REVISED: 07:52:42 02/02/2023
TDR: 000001203217
MODEL NO. 36LYH938
REF: -
BY: ENALEM0
B
BALDOR - RELIANCE®
VER D100D & D112D TEFC 36M F2 B5 W/SEAL, SHORT PU.EP.
36LYH938

CD0005





NOTES:

1. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
2. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
3. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY BE A MULTIPLE OF THOSE SHOWN ABOVE.
4. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

CD0005

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			BALDOR ELECTRIC Co.
REV. LTR: E	BY: JLP	REVISED: 01/19/99 10:15	TDR: 0171435
CD0005		FILE: AAA00005140	MDL: –
		MTL: –	3PH, DV, 9 LEADS