ABB BALDOR RELIANCE

Customer information packet

CESSWDM3613T

5HP, 3480RPM, 3PH, 60HZ, 182TC, 3636M, TEFC, F1
Class - None
Division - Not Applicable

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11/9/2026 12:53:45 AM

Specifications

Enclosure	TEFC
Frame	182TC
Frame Material	Stainless Steel
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Three Phase
Output @ Frequency	5.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	3600 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ
	460.0 V @ 60 HZ
Agency Approvals	NEMA PREMIUM
	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	11.400 A @ 230.0 V
	12.600 A @ 208.0 V
	5.700 A @ 460.0 V
Design Code	A
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	89.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Shaft Indicator	None
Heater Indicator	No Heater

Part Detail

Revision	E
Type	AC
Mech. spec.	36L738
Base	
Status	PRD/A
Elec. spec.	36WGQ045
Layout	36LYL738
Eff. date	11-24-2025
CD Diagram	CD0005
Poles	02
Leads	9#16
Proprietary	False
Created date	12-15-2020

High Voltage Full Load Amps	5.7 a
Insulation Class	F
Inverter Code	Inverter Ready
KVA Code	M
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Quantity/Wire Size	9 @ 16 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3636M
Mounting Arrangement	F1
Number of Poles	2
Overall Length	18.32 IN
Power Factor	91
Product Family	Wash Down All Stainless Steel
Pulley End Bearing Type	Ball
Pulley Face Code	C-Face
Pulley Shaft Indicator	Standard
Rodent Screen	None
Service Factor	1.15
Shaft Diameter	1.125 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	3480 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

NP1953B01								
CAT.NO.	CESSWDM3613T							
SPEC.	36L738Q045G1							
HP	5							
VOLTS	230/460							
AMP	11.4/5.7							
RPM	3480							
FRAME	182TC	**HZ**	60			**PH**	3	
SER.F.	1.15	**CODE**	M	**DES**	A	**CLASS**	F	
NEMA-NOM-EFF	89.5	**PF**	91					
RATING	40C AMB-CONT							
CC	010A	**USABLE AT 208V**				N/A		
DE	6206	**ODE**	6205					
ENCL	TEFC	**SN**						
	4:1CT 20:1VT							

AC Induction Motor Performance Data
Record # 85855
Preliminary Data Sheet

Winding: 36WGQ045-R001	**Type:** 3636M	**Enclosure:** TEFC

Nameplate Data				**460 V, 60 Hz: High Voltage Connection**	
Rated Output (HP)			5	**Full Load Torque**	7.54 LB-FT
Volts			230/460	**Start Configuration**	direct on line
Full Load Amps			11.4/5.7	**Breakdown Torque**	44.8 LB-FT
R.P.M.			3480	**Pull-up Torque**	28.2 LB-FT
Hz	60	**Phase**	3	**Locked-rotor Torque**	36.4 LB-FT
NEMA Design Code	A	**KVA Code**	M	**Starting Current**	68.6 A
Service Factor (S.F.)			1.15	**No-load Current**	2.16 A
NEMA Nom. Eff.	89.5	**Power Factor**	91	**Line-line Res. @ 25ºC**	1.97 Ω
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	87°C
S.F. Amps			13/6.5	**Temp. Rise @ S.F. Load**	115°C
				Locked-rotor Power Factor	66.3
				Rotor inertia	0.161 lb-ft²

Load Characteristics 460 V, 60 Hz, 5 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	54	77	86	91	94	94	93
Efficiency	84.7	89.5	90.3	89.9	88.8	87.5	89.3
Speed	3568	3541	3512	3481	3447	3411	3461
Line amperes	2.57	3.41	4.51	5.72	7.08	8.54	6.53

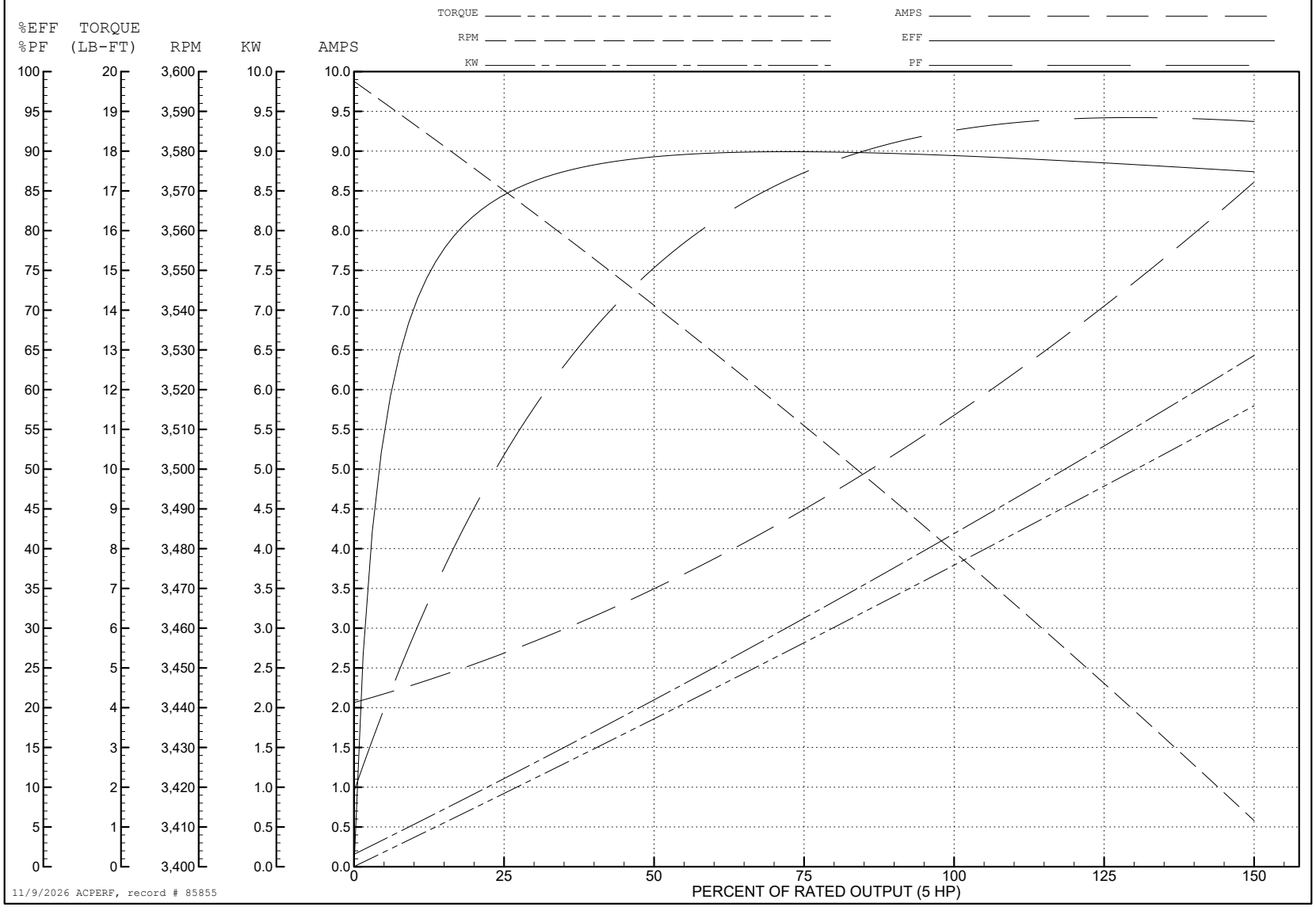
ABB Motors and Mechanical Inc.

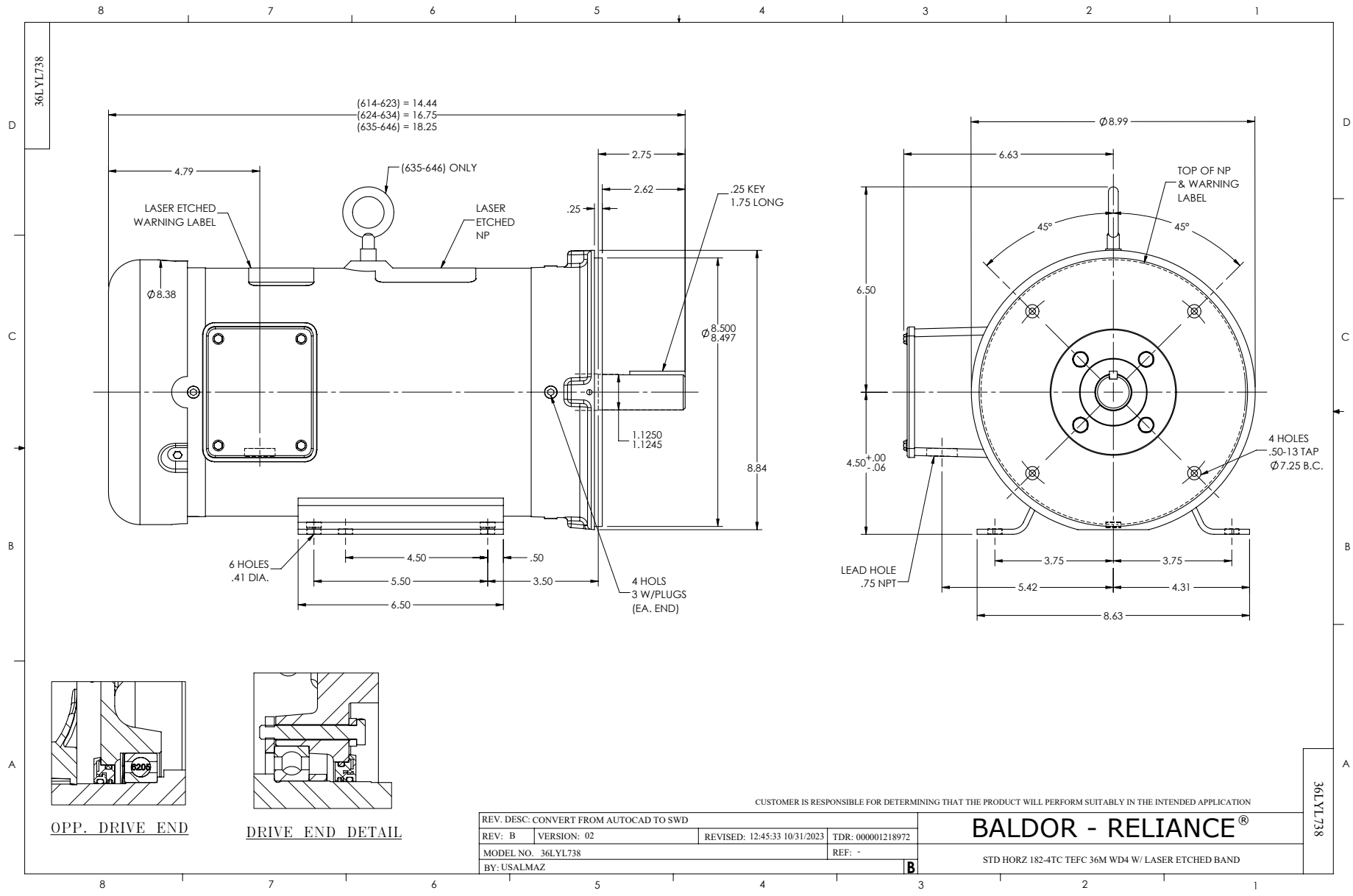
WINDING # 36WGQ045

5 HP 3 PH 60 HZ 3480 RPM 460 V 3636M

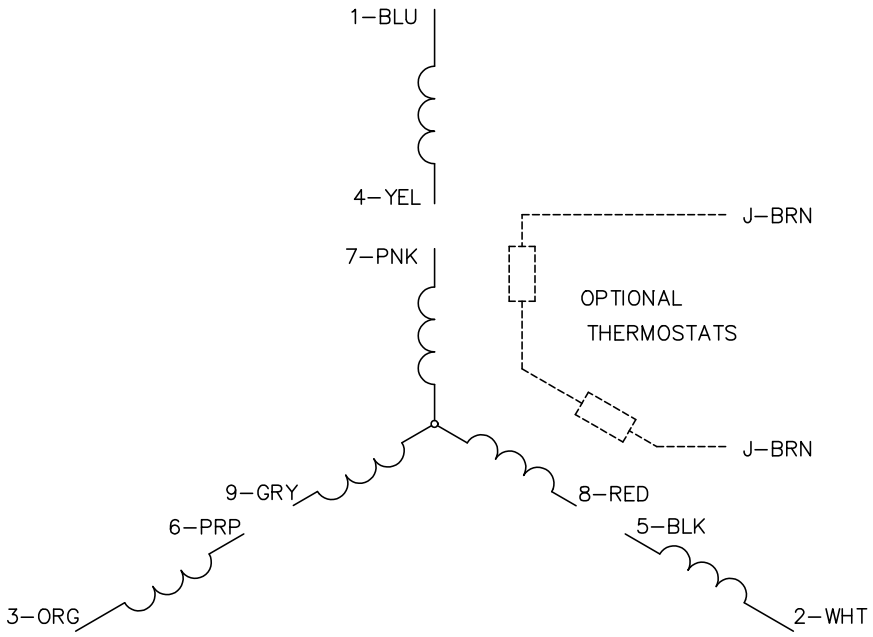
Typical performance - not guaranteed values.

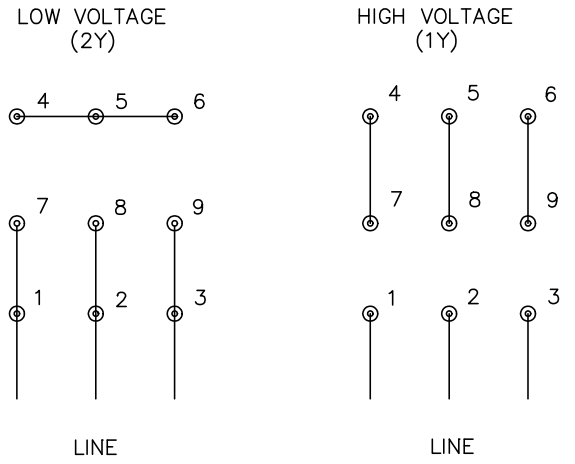
TORQUES(LB-FT): PO=44.8 PU=28.2 LR=36.4 LRA=68.6




36LYL738
(614-623) = 14.44
(624-634) = 16.75
(635-646) = 18.25
4.79
(635-646) ONLY
2.75
2.62
.25
.25 KEY
1.75 LONG
LASER ETCHED WARNING LABEL
LASER ETCHED NP
Ø8.38
Ø8.500
8.497
1.1250
1.1245
8.84
6 HOLES
.41 DIA.
4.50
.50
5.50
3.50
6.50
4 HOLS
3 W/PLUGS
(EA. END)
Ø8.99
6.63
TOP OF NP
& WARNING
LABEL
45°
45°
6.50
4.50 +.00 -.06
4 HOLES
.50-13 TAP
Ø7.25 B.C.
LEAD HOLE
.75 NPT
3.75
3.75
5.42
4.31
8.63
OPP. DRIVE END
DRIVE END DETAIL
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: CONVERT FROM AUTOCAD TO SWD
REV: B
VERSION: 02
REVISED: 12:45:33 10/31/2023
TDR: 000001218972
MODEL NO. 36LYL738
REF: -
BY: USALMAZ
B
BALDOR - RELIANCE®
STD HORZ 182-4TC TEFC 36M WD4 W/ LASER ETCHED BAND
36LYL738

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