ABB BALDOR RELIANCE

Customer information packet

CEWDM3617T

1HP, 850RPM, 3PH, 60HZ, 182TC, TEFC, F1
Class - None
Division - Not Applicable

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11/17/2026 12:21:53 AM

Specifications

Enclosure	TEFC
Frame	182TC
Frame Material	Steel
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Three Phase
Output @ Frequency	1.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	900 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ
	460.0 V @ 60 HZ
Agency Approvals	CSA
	UR
	NEMA PREMIUM
	CSA EEV
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	2.300 A @ 460.0 V
	4.600 A @ 208.0 V
	4.600 A @ 230.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	75.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Heater Indicator	No Heater

Part Detail

Revision	B
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	36WGR622
Layout	36LYK190
Eff. date	02-14-2024
CD Diagram	CD0005
Poles	08
Leads	9#16
Proprietary	False
Created date	01-07-2020

High Voltage Full Load Amps	2.3 a
Insulation Class	F
Inverter Code	Inverter Ready
KVA Code	L
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3628M
Mounting Arrangement	F1
Number of Poles	8
Overall Length	16.54 IN
Power Factor	52
Product Family	Wash Down
Pulley Face Code	C-Face
Rodent Screen	None
Service Factor	1.15
Shaft Diameter	1.125 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Speed	850 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

NP1669L								
CAT.NO.	CEWDM3617T							
SPEC.	36-0000-0264							
HP	1							
VOLTS	230/460							
AMP	4.6/2.3							
RPM	850							
FRAME	182TC	**HZ**	60			**PH**	3	
SER.F.	1.15	**CODE**	L	**DES**	B	**CLASS**	F	
NEMA-NOM-EFF	75.5	**PF**	52					
RATING	40C AMB-CONT							
CC	010A							
DE	6206	**ODE**	6205					
ENCL	TEFC	**SN**						
BLANK	10:1CT, 10:1VT, 1.00 SF							

AC Induction Motor Performance Data
Record # 78114
Typical performance - not guaranteed values

Winding: 36WGR622-R010	**Type:** 3628M	**Enclosure:** TEFC

Nameplate Data				**460 V, 60 Hz: High Voltage Connection**	
Rated Output (HP)			1	**Full Load Torque**	6.26 LB-FT
Volts			230/460	**Start Configuration**	direct on line
Full Load Amps			4.6/2.3	**Breakdown Torque**	19.8 LB-FT
R.P.M.			850	**Pull-up Torque**	12.1 LB-FT
Hz	60	**Phase**	3	**Locked-rotor Torque**	15.7 LB-FT
NEMA Design Code	B	**KVA Code**	L	**Starting Current**	9.52 A
Service Factor (S.F.)			1.15	**No-load Current**	1.55 A
NEMA Nom. Eff.	75.5	**Power Factor**	52	**Line-line Res. @ 25ºC**	15.1 Ω
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	62°C
S.F. Amps				**Temp. Rise @ S.F. Load**	72°C
				Locked-rotor Power Factor	47.6
				Rotor inertia	0.263 LB-FT2

Load Characteristics 460 V, 60 Hz, 1 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	26	39	51	60	66	71	64
Efficiency	60.2	71.7	75.3	75.9	74.6	72	75.1
Speed	890	879	868	855	840	822	846
Line amperes	1.57	1.69	1.87	2.09	2.39	2.77	2.27

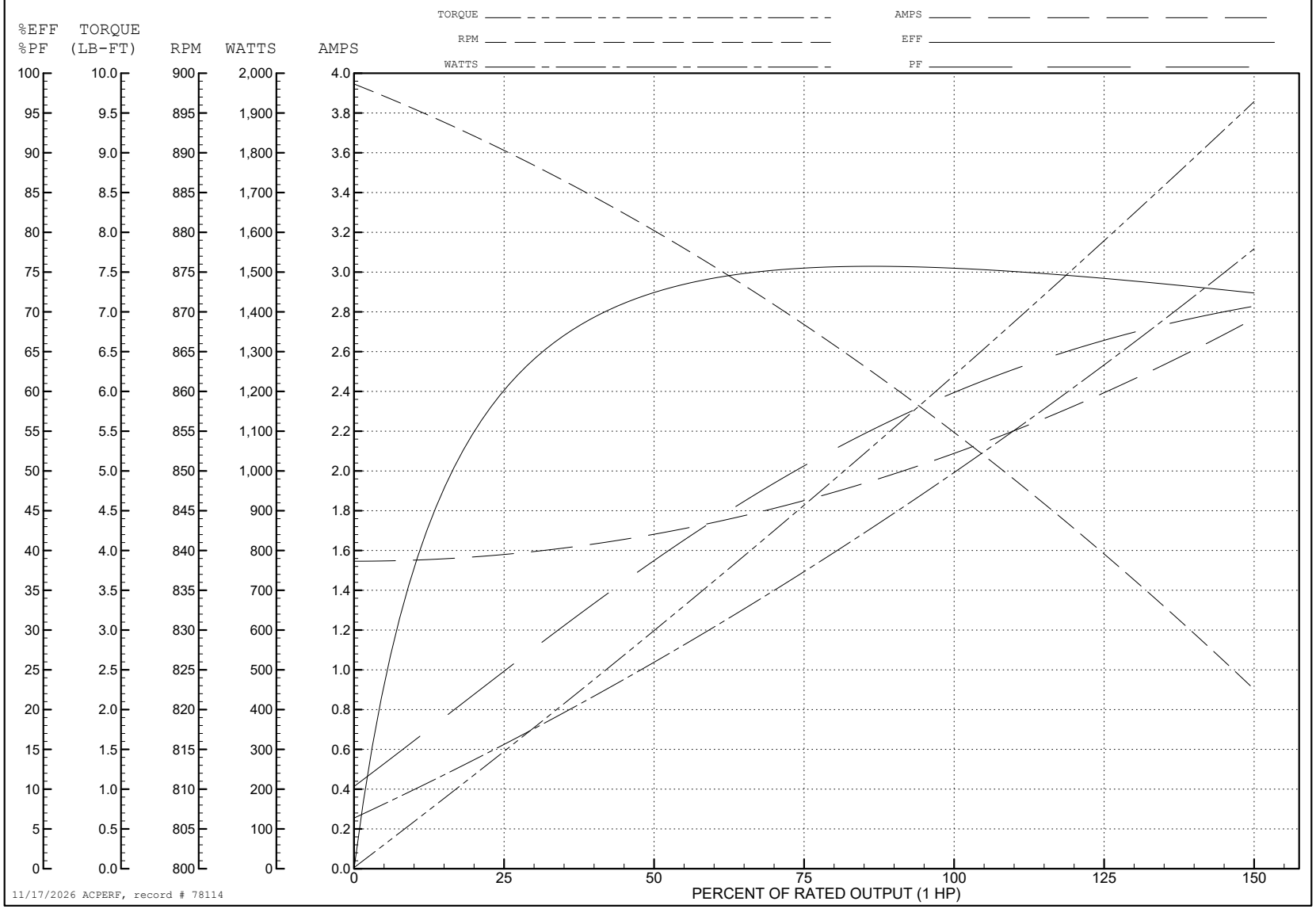
ABB Motors and Mechanical Inc.

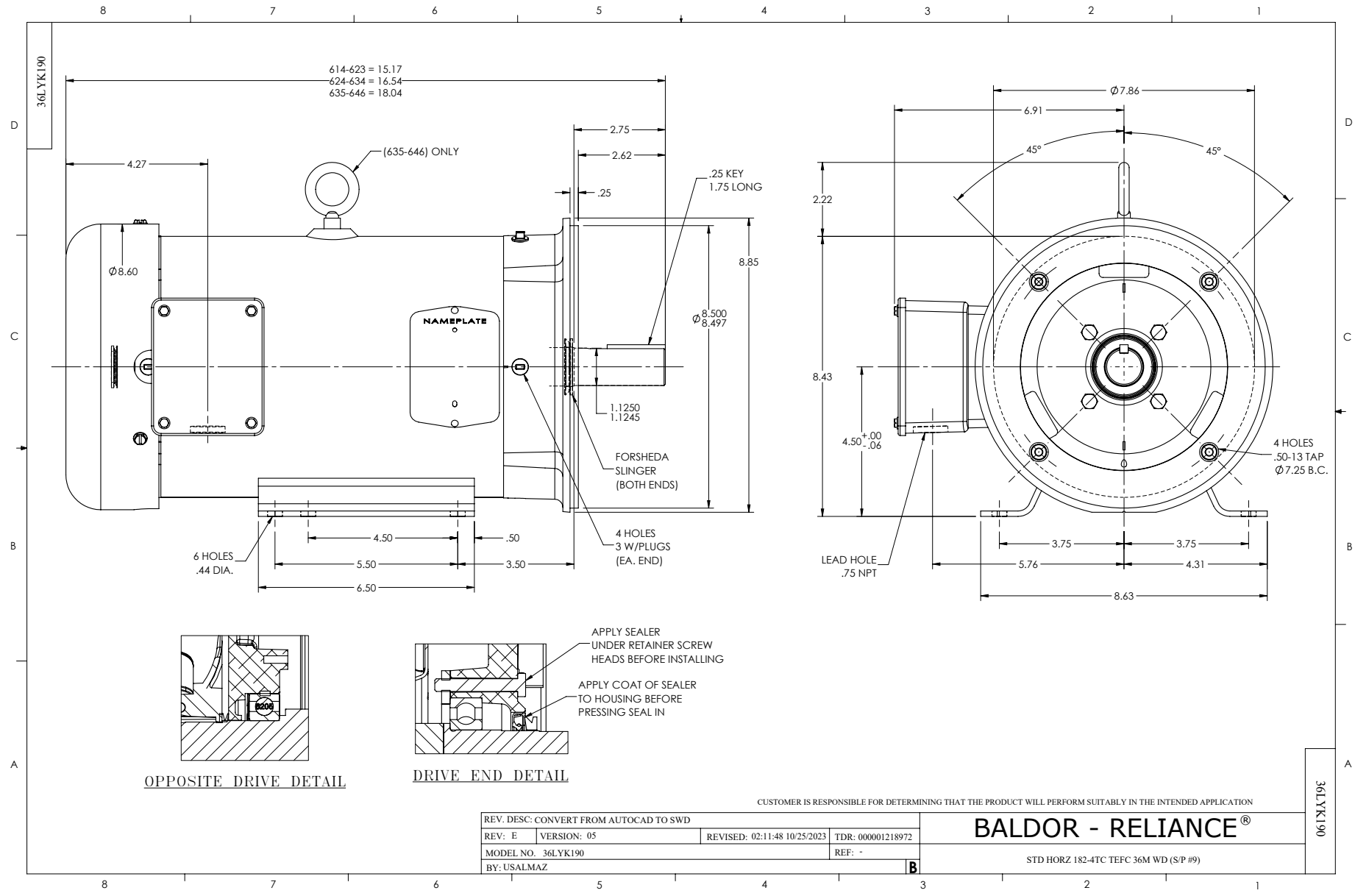
WINDING # 36WGR622

1 HP 3 PH 60 HZ 850 RPM 460 V 3628M

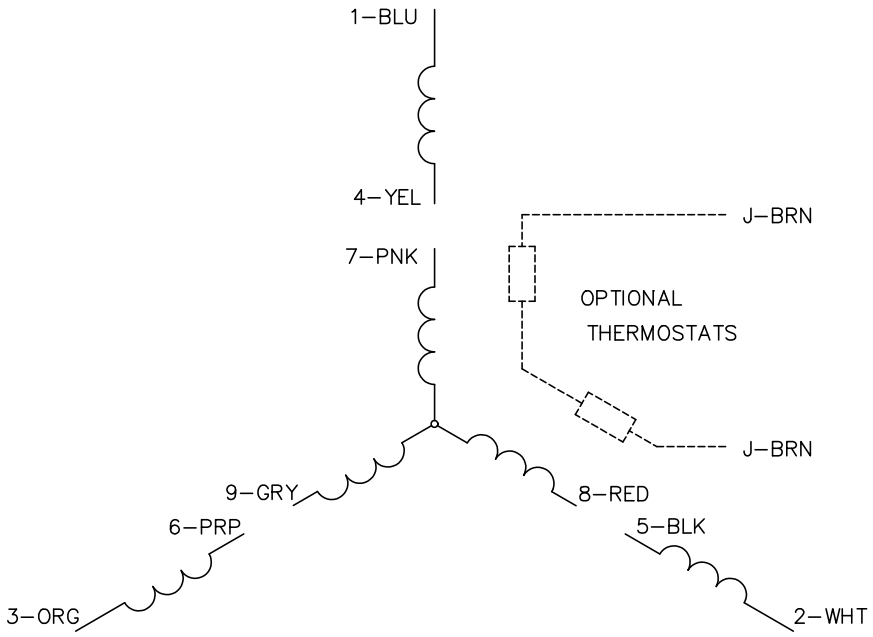
Typical performance - not guaranteed values.

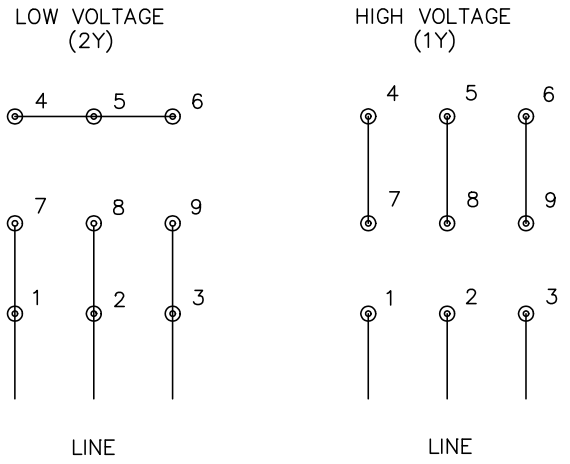
TORQUES(LB-FT): PO=19.8 PU=12.1 LR=15.7 LRA=9.52




36LYK190
614-623 = 15.17
624-634 = 16.54
635-646 = 18.04
(635-646) ONLY
4.27
2.75
2.62
.25
.25 KEY
1.75 LONG
Ø8.60
NAMEPLATE
8.85
Ø8.500
Ø8.497
1.1250
1.1245
FORSHEDA
SLINGER
(BOTH ENDS)
4 HOLES
3 W/PLUGS
(EA. END)
6 HOLES
.44 DIA.
4.50
.50
5.50
3.50
6.50
Ø7.86
6.91
45°
45°
2.22
8.43
4.50 +.00 -.06
4 HOLES
.50-13 TAP
Ø7.25 B.C.
LEAD HOLE
.75 NPT
3.75
3.75
5.76
4.31
8.63
APPLY SEALER
UNDER RETAINER SCREW
HEADS BEFORE INSTALLING
APPLY COAT OF SEALER
TO HOUSING BEFORE
PRESSING SEAL IN
OPPOSITE DRIVE DETAIL
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: E
VERSION: 05
REVISED: 02:11:48 10/25/2023
TDR: 000001218972
MODEL NO. 36LYK190
REF: -
BY: USALMAZ
B
BALDOR - RELIANCE®
STD HORZ 182-4TC TEFC 36M WD (S/P #9)
36LYK190

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