ABB BALDOR RELIANCE

Customer information packet

FSWDM3615T-E

5HP, 1750RPM, 3PH, 60HZ, 184T, 3646M, TEFC, F1

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11/3/2026 5:47:26 AM

Part Detail

Revision	J
Type	AC
Mech. spec.	36R625
Base	
Status	PRD/A
Elec. spec.	36WGS953
Layout	36LYR625
Eff. date	10-06-2025
CD Diagram	CD0005
Poles	04
Leads	9#16
Proprietary	False
Created date	09-26-2018

Nameplate

NP4427AAA01												
CAT #	FSWDM3615T-E			**WT**	101	**LBS**						
SPEC	36R625S953G1			**ENCL**	TEFC							
SER #				**CC**	010A	**IP**	69					
HP	5			**MAG CUR**	5.8/2.9							
VOLTS	230/460					**NEMA NOM. EFF**	89.5					
AMPS	13/6.5					**PF**	81					
RATING	40C AMB-CONT											
RPM	1750				**MAX RPM**	2700						
FRAME	184T	**HZ**	60	**CODE**	J	**CLASS**	H					
SER.F.	1.15	**SF AMP**	14.8/7.4			**PH**	3	**DES**	B			
DE	6206			**ODE**	6206							
LUBRICATION	POLYREX EM											
ID LOGO		**INVERTER TYPE**		**VPWM**		**CHP**	60	**TO**	90		1.5:1	
ID LOGO	**WK2**	0.428	**CT**	15	**TO**	60		4:1				
ID LOGO	**SL HZ**	1.7	**VT**	6	**TO**	60		10:1				
						QR						
YR												

AC Induction Motor Performance Data
Record # 57384
Typical performance - not guaranteed values

Winding: 36WGS953-R006	**Type:** 3646M	**Enclosure:** TEFC

Nameplate Data				**460 V, 60 Hz: High Voltage Connection**	
Rated Output (HP)			5	**Full Load Torque**	15.03 LB-FT
Volts			230/460	**Start Configuration**	direct on line
Full Load Amps			13/6.5	**Breakdown Torque**	57.4 LB-FT
R.P.M.			1750	**Pull-up Torque**	28.9 LB-FT
Hz	60	**Phase**	3	**Locked-rotor Torque**	32.3 LB-FT
NEMA Design Code	B	**KVA Code**	J	**Starting Current**	47.9 A
Service Factor (S.F.)			1.15	**No-load Current**	2.91 A
NEMA Nom. Eff.	89.5	**Power Factor**	81	**Line-line Res. @ 25ºC**	2.34 Ω
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	75°C
S.F. Amps				**Temp. Rise @ S.F. Load**	91°C
				Locked-rotor Power Factor	39
				Rotor inertia	0.428 lb-ft²

Load Characteristics 460 V, 60 Hz, 5 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	42	64	75	90	83	84	86
Efficiency	86.7	90.5	90.8	89.3	88.4	86.6	88.8
Speed	1788	1776	1763	1748	1732	1714	1738
Line amperes	3.27	4.1	5.2	6.53	8.02	9.69	7.42

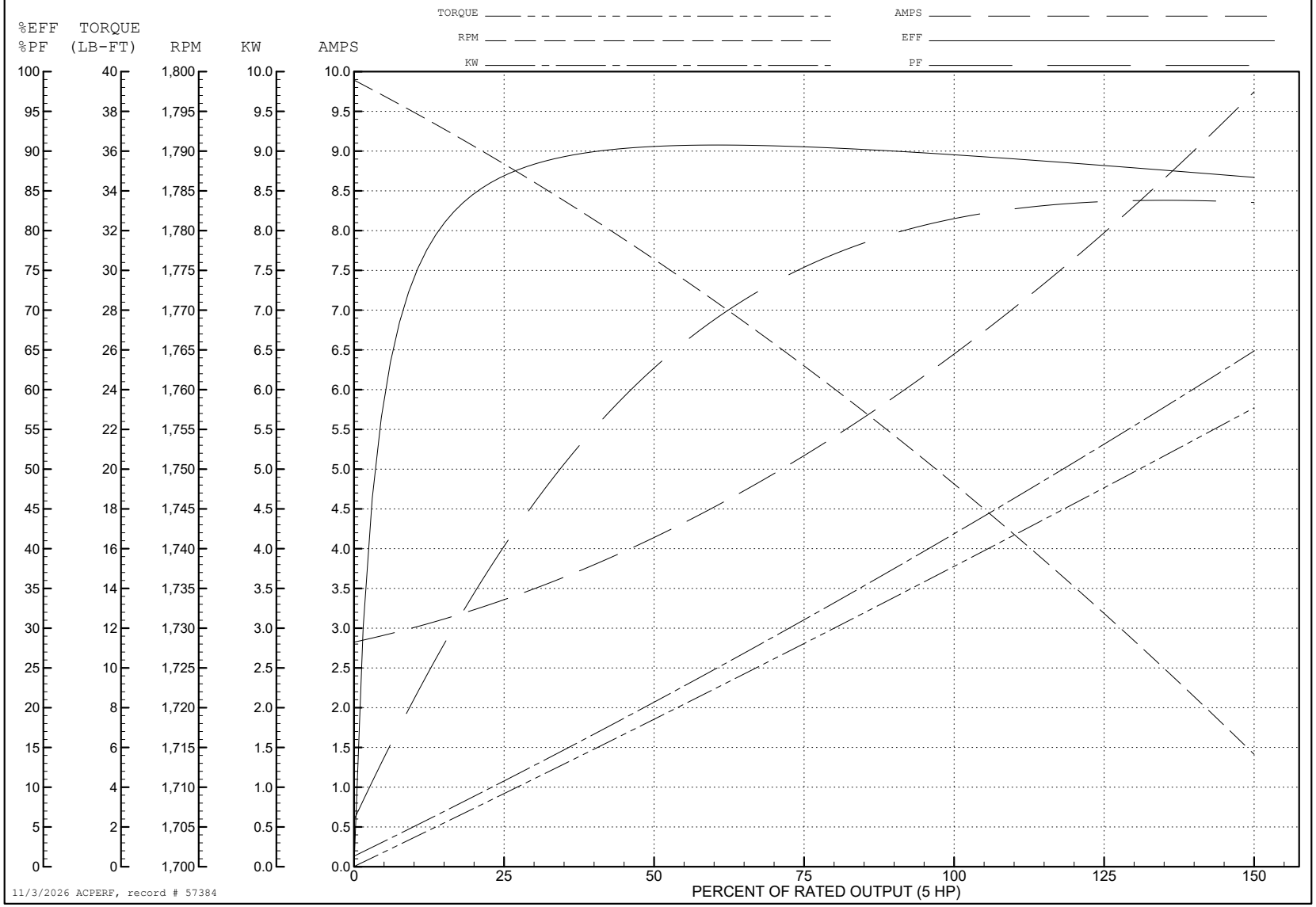
ABB Motors and Mechanical Inc.

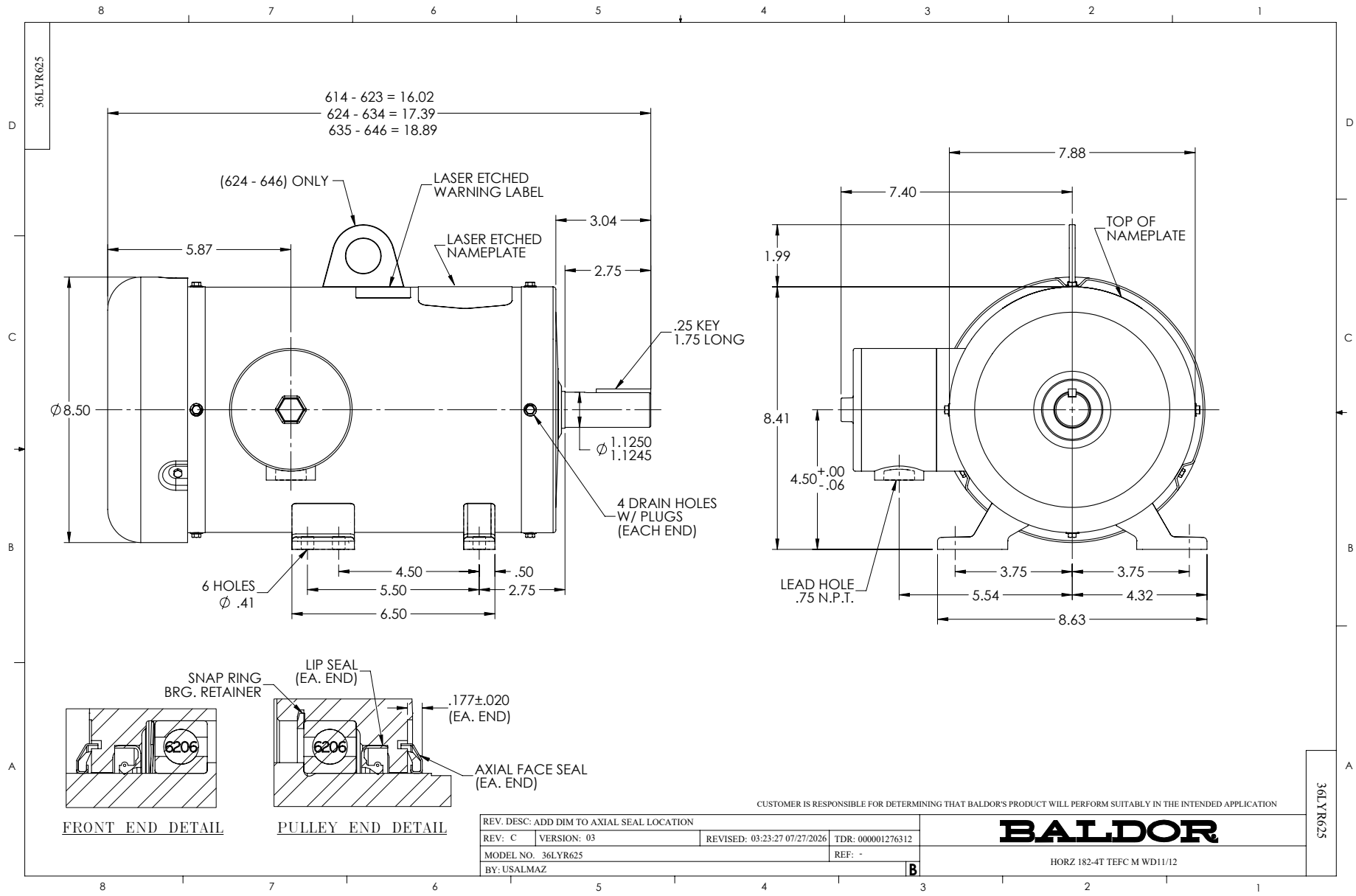
WINDING # 36WGS953

5 HP 3 PH 60 HZ 1750 RPM 460 V 3646M

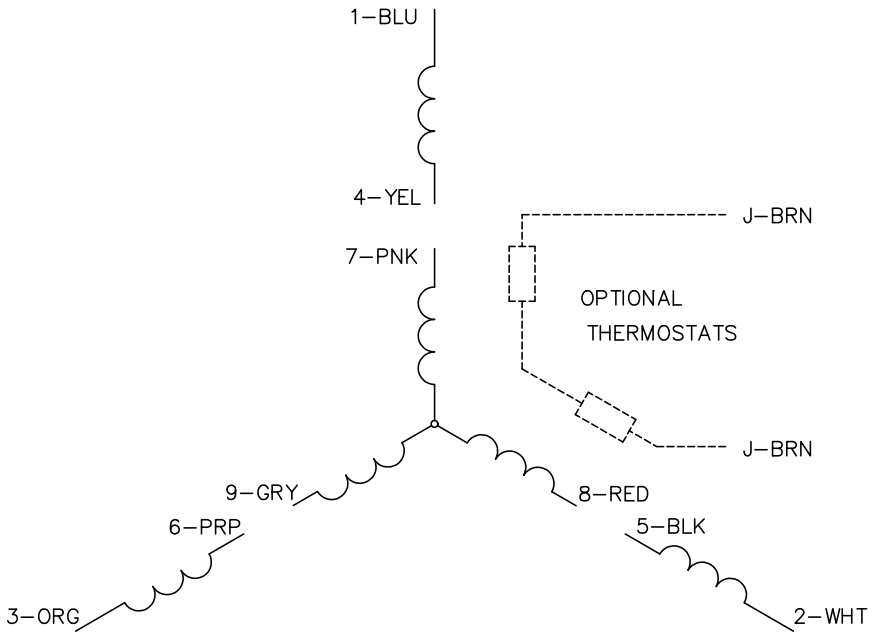
Typical performance - not guaranteed values.

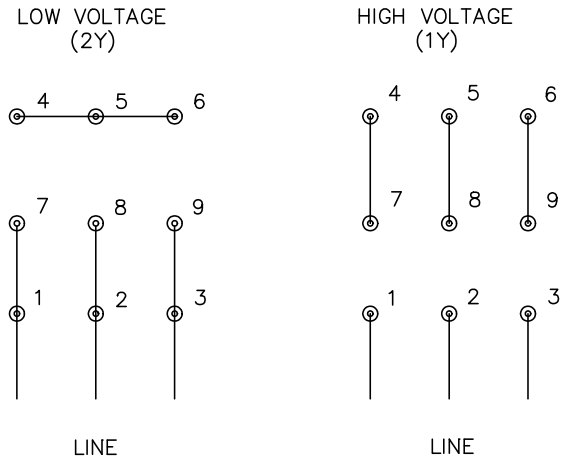
TORQUES(LB-FT): PO=57.4 PU=28.9 LR=32.3 LRA=47.9




36LYR625
614 - 623 = 16.02
624 - 634 = 17.39
635 - 646 = 18.89
(624 - 646) ONLY
LASER ETCHED WARNING LABEL
LASER ETCHED NAMEPLATE
3.04
2.75
5.87
.25 KEY 1.75 LONG
∅8.50
∅ 1.1250 1.1245
4 DRAIN HOLES W/ PLUGS (EACH END)
6 HOLES ∅ .41
4.50
.50
5.50
2.75
6.50
7.88
7.40
TOP OF NAMEPLATE
1.99
8.41
4.50 +.00 -.06
LEAD HOLE .75 N.P.T.
3.75
3.75
5.54
4.32
8.63
SNAP RING BRG. RETAINER
LIP SEAL (EA. END)
.177±.020 (EA. END)
AXIAL FACE SEAL (EA. END)
6206
6206
FRONT END DETAIL
PULLEY END DETAIL
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: ADD DIM TO AXIAL SEAL LOCATION
REV: C
VERSION: 03
REVISED: 03:23:27 07/27/2026
TDR: 000001276312
MODEL NO. 36LYR625
REF: -
BY: USALMAZ
B
BALDOR
HORZ 182-4T TEFC M WD11/12
36LYR625

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