ABB BALDOR RELIANCE

Customer information packet

EM7026T-I

3//2HP, 3450//2890RPM, 3PH, 60//50HZ, 182T, 3
Class - CLI GP C,D
Division - Division I

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11/10/2026 11:05:27 AM

Specifications

Enclosure	XPFC
Frame	182T
Frame Material	Steel
Frequency	50.00 Hz
	60.00 Hz
Haz Area Class and Group	CLI GP C,D
Haz Area Division	Division I
Motor Letter Type	Three Phase
Output @ Frequency	3.000 HP @ 60 HZ
	2.000 HP @ 50 HZ
Phase	3
Synchronous Speed @ Frequency	3600 RPM @ 60 HZ
Voltage @ Frequency	190.0 V @ 50 HZ
	230.0 V @ 60 HZ
	380.0 V @ 50 HZ
	460.0 V @ 60 HZ
Agency Approvals	UL
	CSA
	CSA EEV
	UR
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	3.000 A @ 380.0 V
	3.700 A @ 460.0 V
	6.000 A @ 190.0 V
	7.400 A @ 230.0 V
	8.000 A @ 208.0 V
Design Code	B

Part Detail

Revision	W
Type	AC
Mech. spec.	36J694
Base	
Status	PRD/A
Elec. spec.	36WGS041
Layout	36LYJ694
Eff. date	02-21-2024
CD Diagram	CD0005
Poles	02
Leads	9#16
Proprietary	False
Created date	06-21-2010

Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	86.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None
Haz Area Temp Code	T3C
Heater Indicator	No Heater
High Voltage Full Load Amps	3.0 a
Insulation Class	F
Inverter Code	Not Inverter
KVA Code	K
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	9 @ 16 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3622M
Mounting Arrangement	F1
Number of Poles	2
Overall Length	16.77 IN
Power Factor	91
Product Family	General Purpose
Pulley End Bearing Type	Sealed Bearing
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
RoHS Status	ROHS COMPLIANT
Service Factor	1.15
Shaft Diameter	1.125 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding

Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	2890 rpm
	3450 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	Normally Closed Thermostat
Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	None
Winding Thermal 2	None

Nameplate

NP0977XPSLEV											
NO.						**CC**	010A				
SER.						**TEMP CODE**	T3C				
SPEC.	36J694S041G1										
CAT.NO.	EM7026T-I										
HP	3//2										
VOLTS	230/460//190/380										
AMPS	7.4/3.7//6/3										
RPM	3450//2890					**MOTOR WEIGHT**	91				
HERTZ	60//50	**PH**	3	**CL**	F	**DE BRG**	6206				
SER.F.	1.15	**DES**	B	**CODE**	K	**ODE BRG**	6205				
FRAME	182T	**GREASE**	POLYREX EM								
RATING	40C AMB-CONT 55C AMB AT 1.0 SF										
				NEMA-NOM-EFF		86.5	**PF**	91			
	NEMA MG-1 PT 5,IP55										

AC Induction Motor Performance Data
Record # 35704
Typical performance - not guaranteed values

Winding: 36WGS041-R004	**Type:** 3622M	**Enclosure:** XPFC

Nameplate Data				**460 V, 60 Hz: High Voltage Connection**	
Rated Output (HP)			3//2	**Full Load Torque**	4.7 LB-FT
Volts			230/460//190/380	**Start Configuration**	direct on line
Full Load Amps			7.4/3.7//6/3	**Breakdown Torque**	19.7 LB-FT
R.P.M.			3450//2890	**Pull-up Torque**	12 LB-FT
Hz	60//50	**Phase**	3	**Locked-rotor Torque**	14.1 LB-FT
NEMA Design Code	B	**KVA Code**	K	**Starting Current**	33.3 A
Service Factor (S.F.)			1.15	**No-load Current**	1.17 A
NEMA Nom. Eff.	86.5	**Power Factor**	91	**Line-line Res. @ 25ºC**	4.62 Ω
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	52°C
S.F. Amps				**Temp. Rise @ S.F. Load**	64°C
				Locked-rotor Power Factor	48
				Rotor inertia	0.0984 LB-FT2

Load Characteristics 460 V, 60 Hz, 3 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	66	82	88	91	92	93	92
Efficiency	80.4	86	87.4	86.9	86.1	84.5	86.4
Speed	3565	3535	3504	3472	3434	3394	3449
Line amperes	1.56	2.17	2.93	3.67	4.57	5.5	4.21

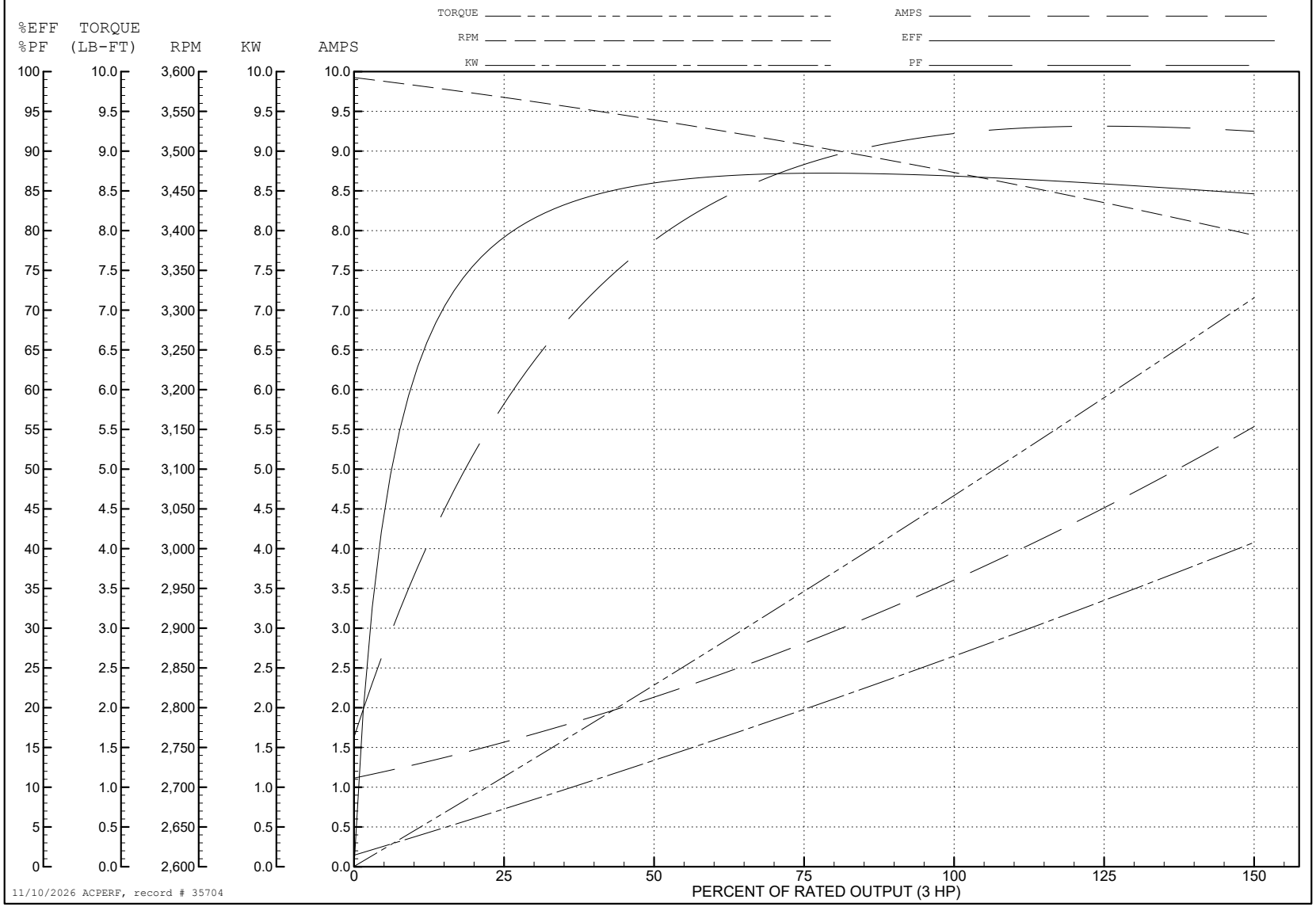
ABB Motors and Mechanical Inc.

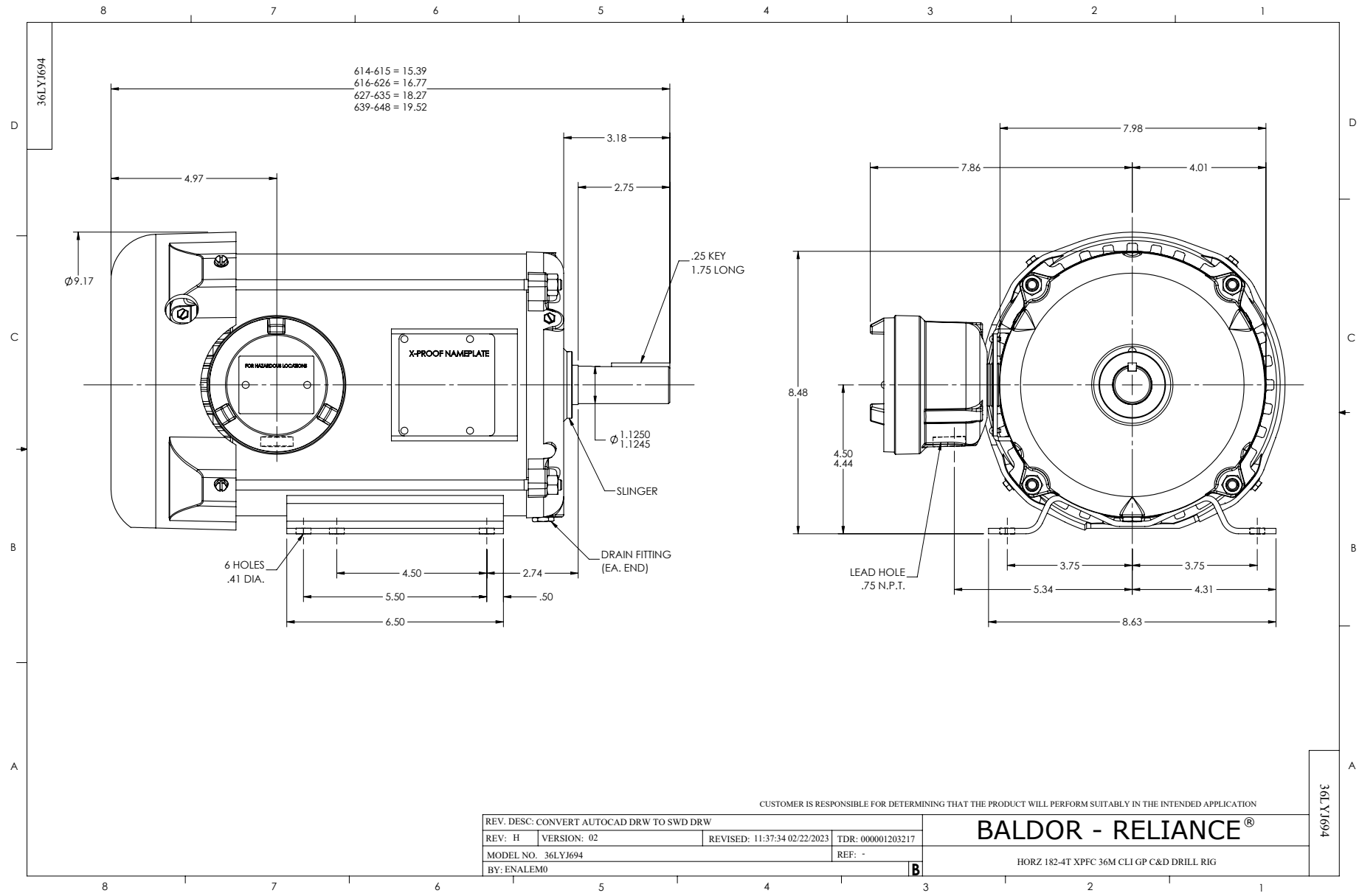
WINDING # 36WGS041

3 HP 3 PH 60 HZ 3472 RPM 460 V 3622M

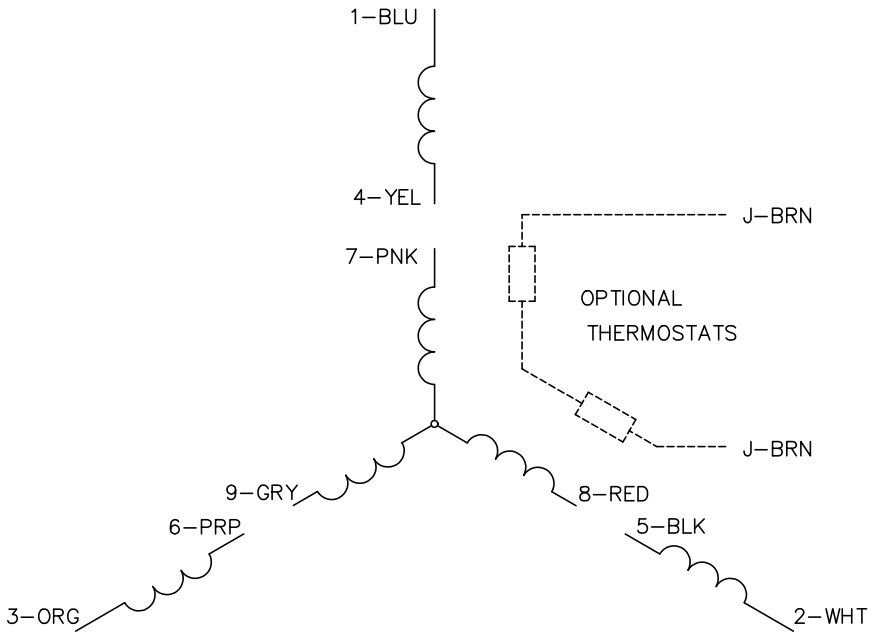
Typical performance - not guaranteed values.

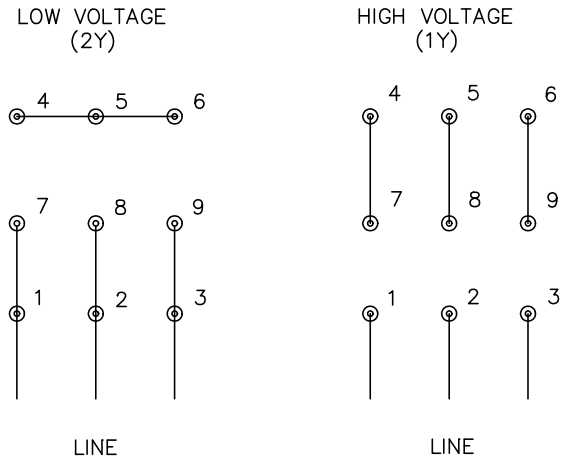
TORQUES(LB-FT): PO=19.7 PU=12 LR=14.1 LRA=33.3




36LYJ694
614-615 = 15.39
616-626 = 16.77
627-635 = 18.27
639-648 = 19.52
3.18
4.97
2.75
.25 KEY
1.75 LONG
Ø9.17
X-PROOF NAMEPLATE
FOR HAZARDOUS LOCATIONS
Ø 1.1250
1.1245
SLINGER
6 HOLES
.41 DIA.
4.50
2.74
5.50
.50
6.50
DRAIN FITTING
(EA. END)
7.98
7.86
4.01
8.48
4.50
4.44
LEAD HOLE
.75 N.P.T.
3.75
3.75
5.34
4.31
8.63
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: CONVERT AUTOCAD DRW TO SWD DRW
REV: H
VERSION: 02
REVISED: 11:37:34 02/22/2023
TDR: 000001203217
MODEL NO. 36LYJ694
REF: -
BY: ENALEM0
B
BALDOR - RELIANCE®
HORZ 182-4T XPFC 36M CLI GP C&D DRILL RIG
36LYJ694

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