ABB BALDOR RELIANCE

Customer information packet

VJPFPM3312T

10//7.5HP, 3490//2900RPM, 3PH, 60//50HZ, 213
Class - None
Division - Not Applicable

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Specifications

Enclosure	OPSB
Frame	213JP
Frame Material	Steel
Frequency	50.00 Hz
	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Three Phase
Output @ Frequency	7.500 HP @ 50 HZ
	10.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	3000 RPM @ 50 HZ
Voltage @ Frequency	460.0 V @ 60 HZ
	190.0 V @ 50 HZ
	230.0 V @ 60 HZ
	380.0 V @ 50 HZ
Agency Approvals	UL
	CSA EEV
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Auxiliary Box Lead Termination	None
Base Indicator	No Mounting
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	11.000 A @ 380.0 V
	12.000 A @ 460.0 V
	22.000 A @ 190.0 V
	24.000 A @ 230.0 V
Design Code	B
Drip Cover	Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	88.5 %

Part Detail

Revision	K
Type	AC
Mech. spec.	37N800
Base	
Status	PRD/A
Elec. spec.	37WGR891
Layout	37LYN800
Eff. date	01-02-2026
CD Diagram	CD0005
Poles	02
Leads	9#14
Proprietary	False
Created date	12-10-2015

Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Drip Cover Mounting
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	11.0 a
Insulation Class	F
Inverter Code	Not Inverter
KVA Code	H
Lifting Lugs	Vertical Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	9 @ 14 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3728M
Mounting Arrangement	F1
Number of Poles	2
Overall Length	24.41 IN
Power Factor	86
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	C-Face
Pulley Shaft Indicator	Tapped & Key
Rodent Screen	None
RoHS Status	ROHS COMPLIANT
Service Factor	1.15
Shaft Diameter	1.250 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger
Speed	2900 rpm
	3490 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

NP3454L															
CAT.NO.	VJPFPM3312T			**CUST P/N**						**I.P.**	23				
SPEC.	37N800R891H1			**SER.NO.**						**FRAME**	213JP				
HZ	60	**HP**	10	**RPM**	3490	**HZ**	50	**HP**	7.5	**RPM**	2900				
VOLTS	230/460			**CODE**	H	**VOLTS**	190/380			**CODE**	H				
AMPS	24/12			**DES**	B	**AMPS**	22/11			**DES**	B				
EFF	88.5	**SER.F.**	1.15	**PF**	86	**EFF**	87.5	**SER.F.**	1.15	**PF**	85				
RATING	40C AMB-CONT			**DE BRG**	6309	**GREASE**	POLYREX EM								
BLANK				**ODE BRG**	6206	**MTR. WT.**	121								
				CLASS	F	**PH**	3								
				ENCL	OPSB	**CC**	010A								
HTR-VOLTS		**HTR-AMPS**		**HTR-WATTS**											

AC Induction Motor Performance Data
Record # 54378
Typical performance - not guaranteed values

Winding: 37WGR891-R001	**Type:** 3728M	**Enclosure:** OPSB

Nameplate Data				**460 V, 60 Hz: High Voltage Connection**	
Rated Output (HP)			10//7.5	**Full Load Torque**	14.9 LB-FT
Volts			230/460//190/380	**Start Configuration**	direct on line
Full Load Amps			24/12//22/11	**Breakdown Torque**	49.7 LB-FT
R.P.M.			3490//2900	**Pull-up Torque**	21.2 LB-FT
Hz	60//50	**Phase**	3	**Locked-rotor Torque**	24.6 LB-FT
NEMA Design Code	B	**KVA Code**	H	**Starting Current**	81 A
Service Factor (S.F.)			1.15	**No-load Current**	4.66 A
NEMA Nom. Eff.	88.5	**Power Factor**	86	**Line-line Res. @ 25ºC**	1.2451 Ω
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	36°C
S.F. Amps				**Temp. Rise @ S.F. Load**	45°C
				Locked-rotor Power Factor	38.6

Load Characteristics 460 V, 60 Hz, 10 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	50	72	81	86	88	89	87
Efficiency	85.4	90	90.5	89.9	88.7	87.2	89.2
Speed	3576	3552.4	3527.2	3498.8	3467	3435.1	3480
Line amperes	5.45	7.17	9.45	12	14.9	17.9	13.7

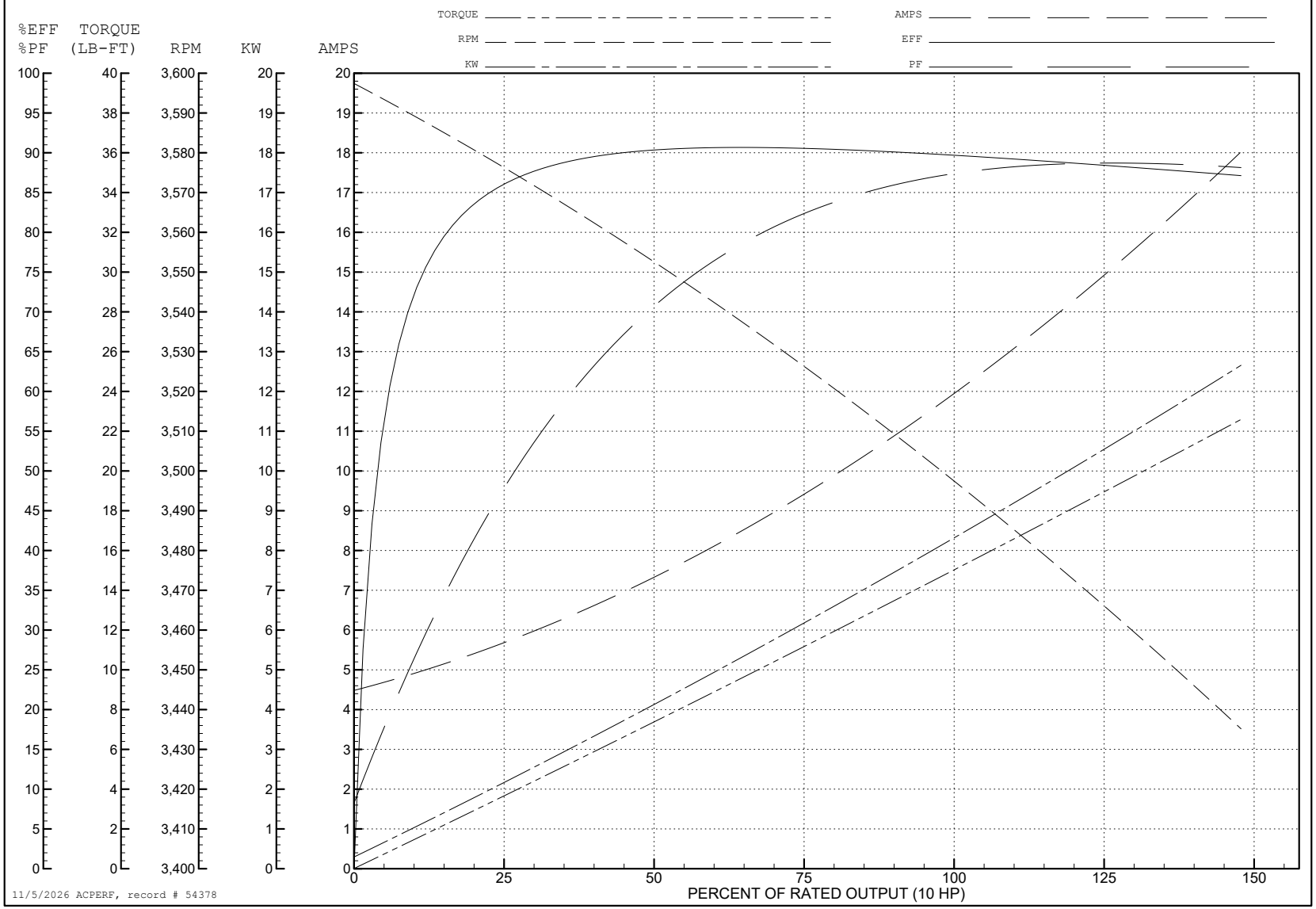
ABB Motors and Mechanical Inc.

WINDING # 37WGR891

10 HP 3 PH 60 HZ 3498.8 RPM 460 V 3728M

Typical performance - not guaranteed values.

TORQUES(LB-FT): PO=49.7 PU=21.2 LR=24.6 LRA=81



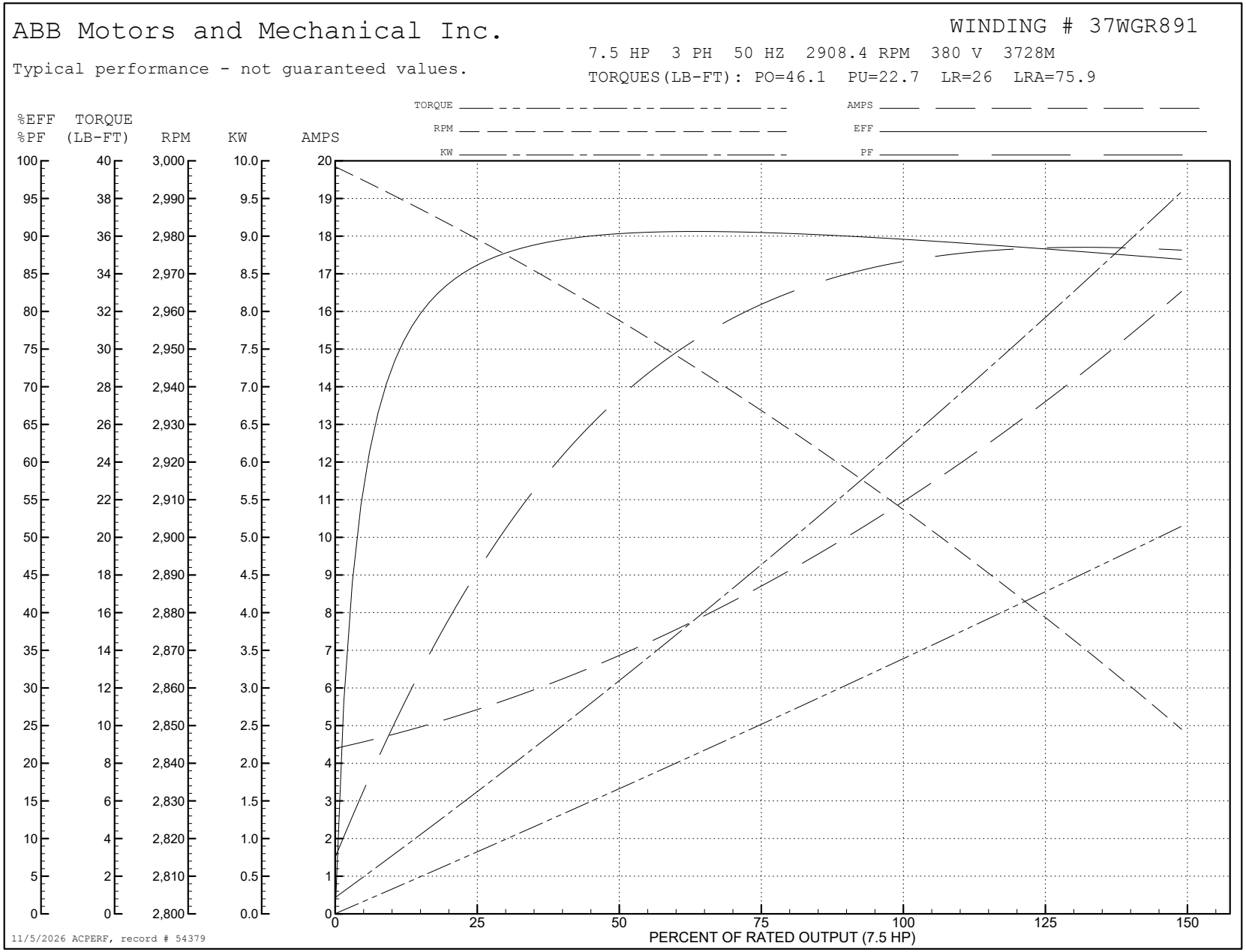
AC Induction Motor Performance Data
Record # 54379
Typical performance - not guaranteed values

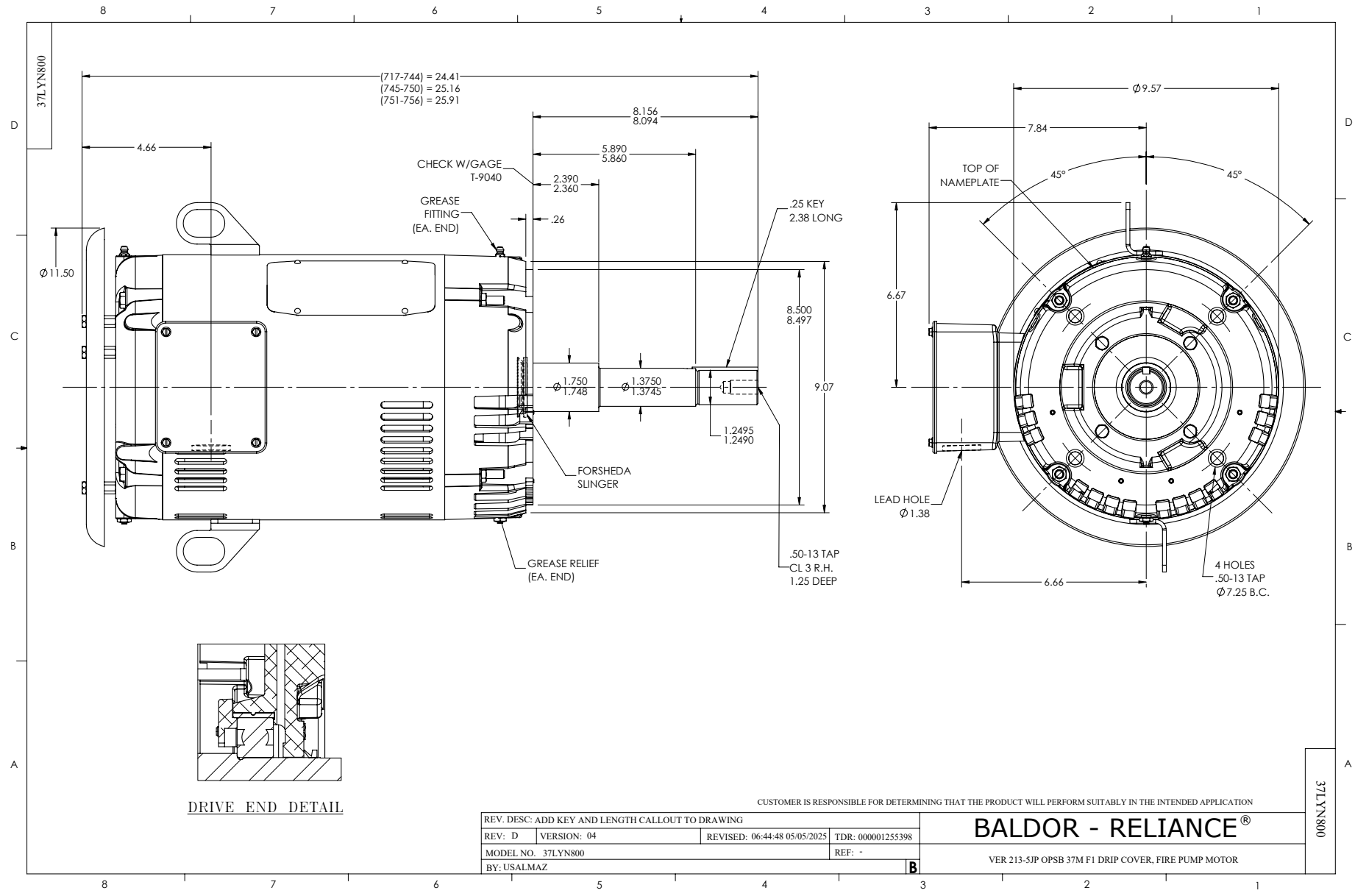
Winding: 37WGR891-R001	**Type:** 3728M	**Enclosure:** OPSB

Nameplate Data				**380 V, 50 Hz: High Voltage Connection**	
Rated Output (HP)			10//7.5	**Full Load Torque**	13.5 LB-FT
Volts			230/460//190/380	**Start Configuration**	direct on line
Full Load Amps			24/12//22/11	**Breakdown Torque**	46.1 LB-FT
R.P.M.			3490//2900	**Pull-up Torque**	22.7 LB-FT
Hz	60//50	**Phase**	3	**Locked-rotor Torque**	26 LB-FT
NEMA Design Code	B	**KVA Code**	H	**Starting Current**	75.9 A
Service Factor (S.F.)			1.15	**No-load Current**	4.57 A
NEMA Nom. Eff.	88.5	**Power Factor**	86	**Line-line Res. @ 25ºC**	1.2451 Ω
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	33°C
S.F. Amps				**Temp. Rise @ S.F. Load**	41°C

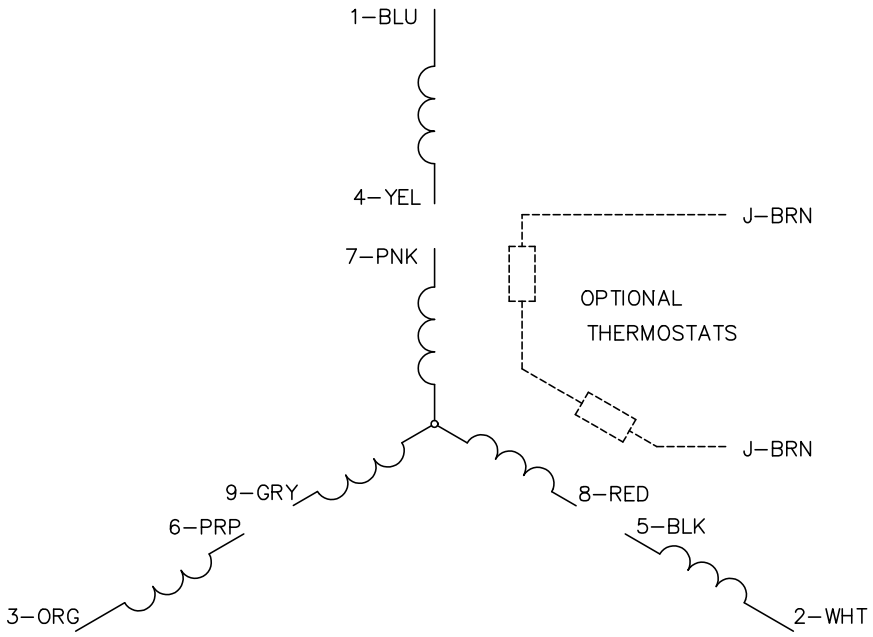
Load Characteristics 380 V, 50 Hz, 7.5 HP

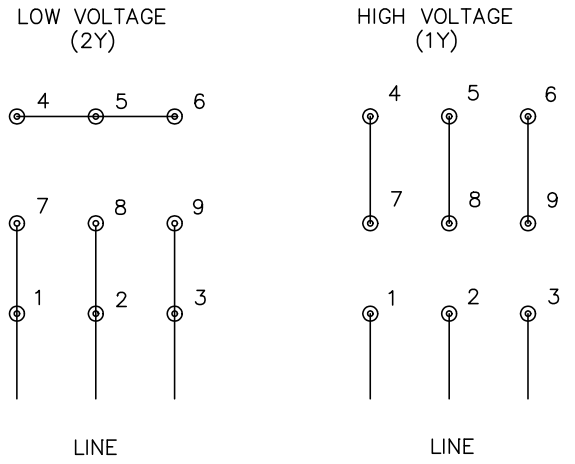
% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	48	70	81	85	88	89	87
Efficiency	85.8	90	90.5	89.8	88.5	86.9	89
Speed	2978.5	2956.8	2933.7	2908.4	2878.8	2848.7	2891
Line amperes	5.22	6.77	8.73	11.1	13.7	16.4	12.7


ABB Motors and Mechanical Inc.
WINDING # 37WGR891
7.5 HP 3 PH 50 HZ 2908.4 RPM 380 V 3728M
Typical performance - not guaranteed values.
TORQUES(LB-FT): PO=46.1 PU=22.7 LR=26 LRA=75.9
TORQUE
RPM
KW
AMPS
EFF
PF
%EFF
%PF
TORQUE (LB-FT)
RPM
KW
AMPS
PERCENT OF RATED OUTPUT (7.5 HP)
11/5/2026 ACPERF, record # 54379


37LYN800
(717-744) = 24.41
(745-750) = 25.16
(751-756) = 25.91
8.156
8.094
4.66
5.890
5.860
CHECK W/GAGE
T-9040
2.390
2.360
GREASE
FITTING
(EA. END)
.26
.25 KEY
2.38 LONG
Ø11.50
8.500
8.497
9.07
Ø1.750
1.748
Ø1.3750
1.3745
1.2495
1.2490
FORSHEDA
SLINGER
GREASE RELIEF
(EA. END)
.50-13 TAP
CL 3 R.H.
1.25 DEEP
Ø9.57
7.84
TOP OF
NAMEPLATE
45°
45°
6.67
LEAD HOLE
Ø1.38
6.66
4 HOLES
.50-13 TAP
Ø7.25 B.C.
DRIVE END DETAIL
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: ADD KEY AND LENGTH CALLOUT TO DRAWING
REV: D
VERSION: 04
REVISED: 06:44:48 05/05/2025
TDR: 000001255398
MODEL NO. 37LYN800
REF: -
BY: USALMAZ
B
BALDOR - RELIANCE®
VER 213-5JP OPSB 37M F1 DRIP COVER, FIRE PUMP MOTOR
37LYN800

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