ABB BALDOR RELIANCE

Customer information packet

EMM3711

7.5KW, 3490RPM, 3PH, 60HZ, D132S, 3728M, TEFC
Class - None
Division - Not Applicable

Copyright © All product information within this document is subject to ABB Motors and Mechanical Inc. copyright © protection, unless otherwise noted.
11/9/2026 3:12:11 AM

Specifications

Enclosure	TEFC
Frame	D132S
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	7.500 KW @ 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	C UR US
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	12.000 A @ 460.0 V
	24.100 A @ 230.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	90.2 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Frame Prefix	D
Front Shaft Indicator	Tapped & Key
Heater Indicator	No Heater
High Voltage Full Load Amps	12.0 a
Insulation Class	F

Part Detail

Revision	A
Type	AC
Mech. spec.	37G816
Base	
Status	PRD/A
Elec. spec.	37WGZ712
Layout	37LYG816
Eff. date	03-30-2026
CD Diagram	CD0005
Poles	02
Leads	9#14
Proprietary	False
Created date	11-07-2025

Inverter Code	Inverter Ready
KVA Code	G
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Quantity/Wire Size	9 @ 14 AWG
Motor Lead Termination	Flying Leads
Motor Standards	IEC
Motor Type	3728M
Mounting Arrangement	B3
Number of Poles	2
Overall Length	17.66 IN
Power Factor	85
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
RoHS Status	ROHS COMPLIANT
Service Factor	1.15
Shaft Diameter	1.497 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger
Speed	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

NP1159L							
CAT.NO.	EMM3711						
SPEC.	37G816Z712						
IEC FRAME	D132S	**KW**	7.5				
VOLTS	230/460						
AMP	24.1/12						
RPM	3490	**ENCL**	TEFC				
HZ	60	**PH**	3	**CL**	F		
SER.F.	1.15	**DES**	B	**CODE**	G		
NEMA-NOM-EFF	90.2	**I.P.**	54				
RATING	40C AMB-CONT						
CC	010A						
DE	6208	**ODE**	6206				
SER. #							
	SFA 27.6/13.8						

AC Induction Motor Performance Data
Record # 115764
Typical performance - not guaranteed values

Winding: 37WGZ712-R001	**Type:** 3728M	**Enclosure:** TEFC

Nameplate Data				**460 V, 60 Hz: High Voltage Connection**	
Rated Output (HP)			10	**Full Load Torque**	15 LB-FT
Volts			230/460	**Start Configuration**	direct on line
Full Load Amps			24.1/12	**Breakdown Torque**	58.7 LB-FT
R.P.M.			3490	**Pull-up Torque**	24.8 LB-FT
Hz	60	**Phase**	3	**Locked-rotor Torque**	27.4 LB-FT
NEMA Design Code	B	**KVA Code**	G	**Starting Current**	77.5 A
Service Factor (S.F.)			1.15	**No-load Current**	4.12 A
NEMA Nom. Eff.	90.2	**Power Factor**	85	**Line-line Res. @ 25ºC**	1.0708 Ω
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	81°C
S.F. Amps			27.6/13.8	**Temp. Rise @ S.F. Load**	104°C
				Locked-rotor Power Factor	34.2

Load Characteristics 460 V, 60 Hz, 10 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	52	75	83	87	88	89	88
Efficiency	88.3	91.6	91.6	90.6	89	87.1	89.6
Speed	3572.3	3544.9	3515.4	3482.5	3445.4	3404.5	3460
Line amperes	4.96	6.75	9.13	11.8	14.8	18.1	13.6

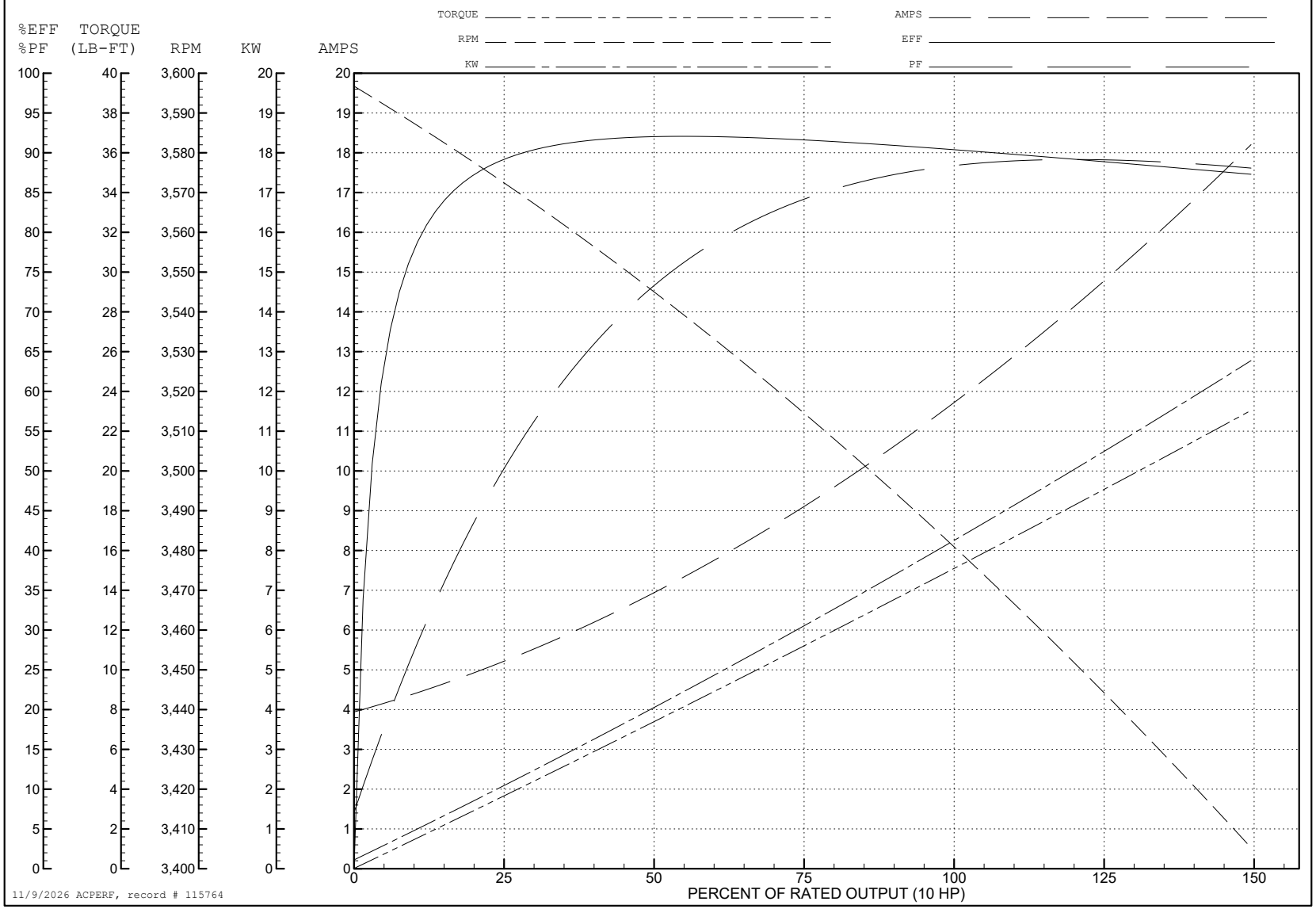
ABB Motors and Mechanical Inc.

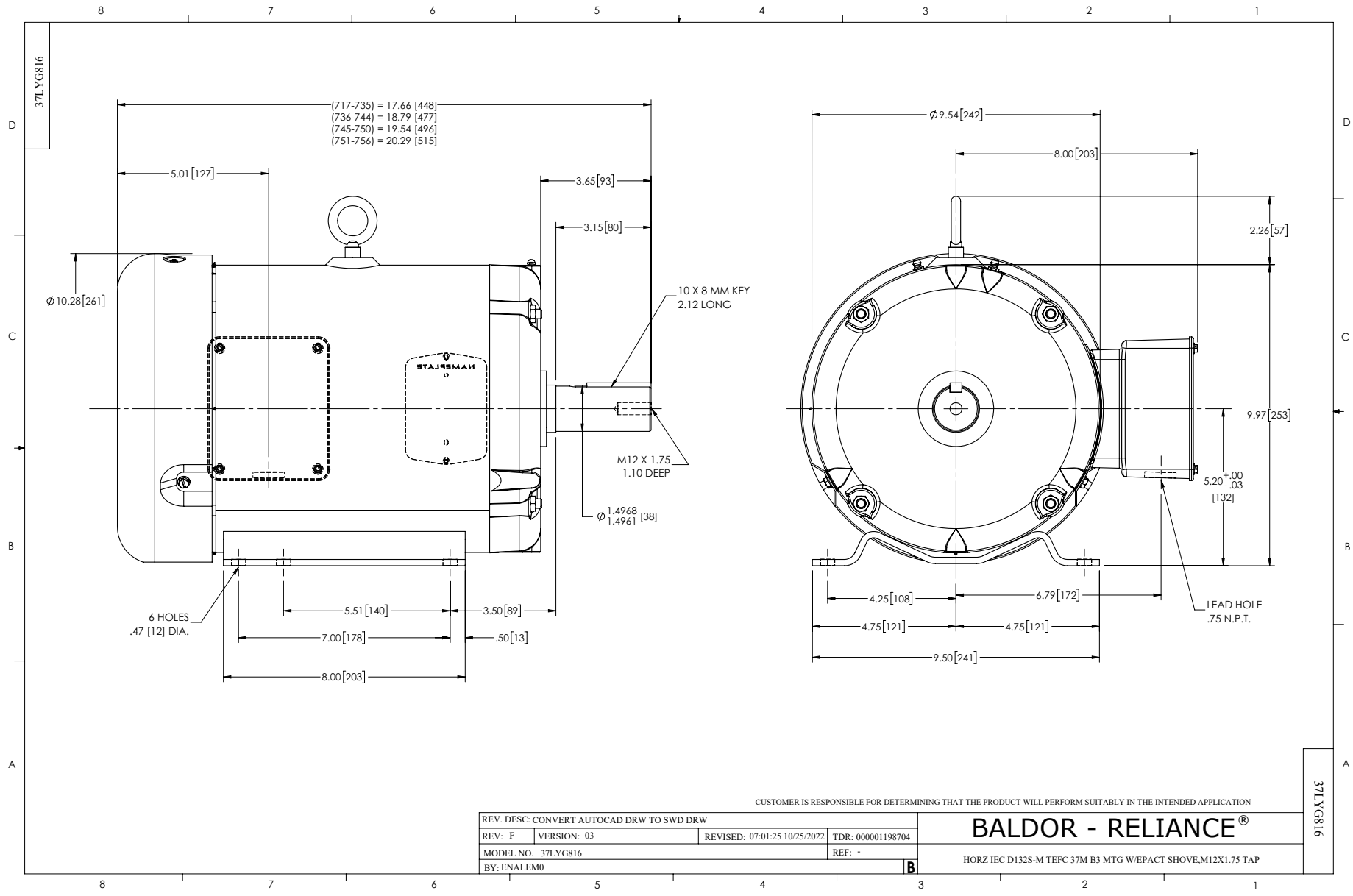
WINDING # 37WGZ712

10 HP 3 PH 60 HZ 3490 RPM 460 V 3728M

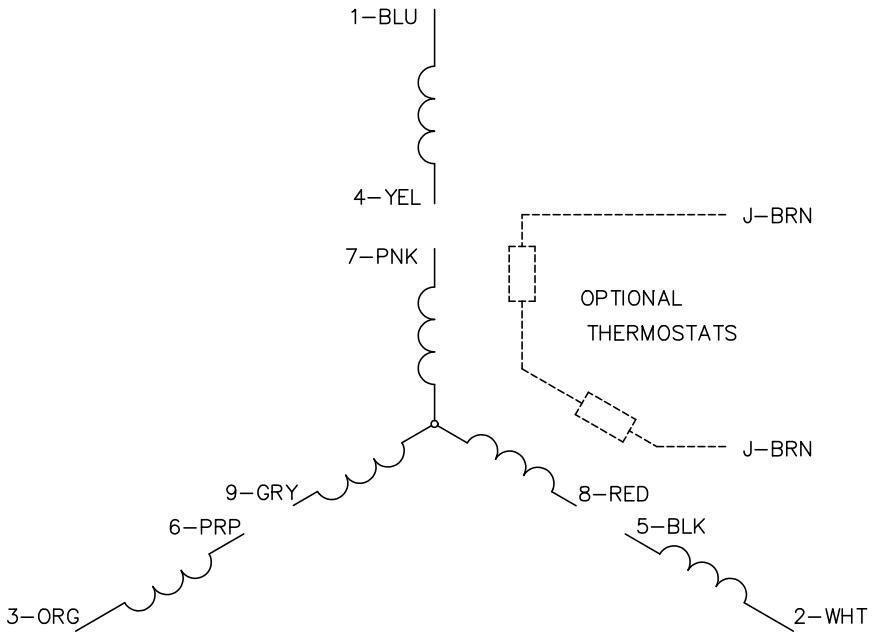
Typical performance - not guaranteed values.

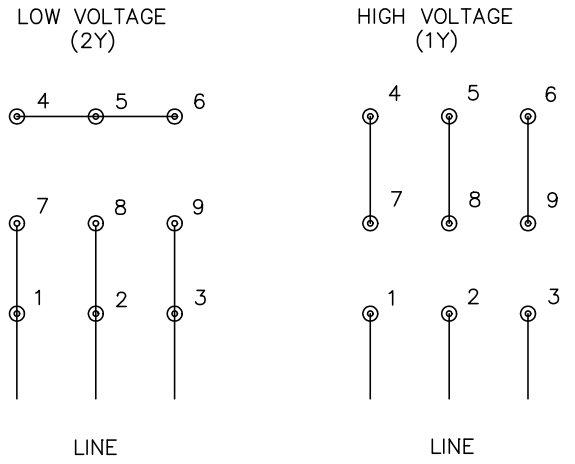
TORQUES(LB-FT): PO=58.7 PU=24.8 LR=27.4 LRA=77.5




37LYG816
(717-735) = 17.66 [448]
(736-744) = 18.79 [477]
(745-750) = 19.54 [496]
(751-756) = 20.29 [515]
5.01 [127]
3.65 [93]
3.15 [80]
Ø 10.28 [261]
10 X 8 MM KEY
2.12 LONG
M12 X 1.75
1.10 DEEP
Ø 1.4968 / 1.4961 [38]
6 HOLES
.47 [12] DIA.
5.51 [140]
3.50 [89]
7.00 [178]
.50 [13]
8.00 [203]
Ø 9.54 [242]
8.00 [203]
2.26 [57]
9.97 [253]
5.20 +.00 -.03 [132]
4.25 [108]
6.79 [172]
4.75 [121]
4.75 [121]
9.50 [241]
LEAD HOLE
.75 N.P.T.
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: CONVERT AUTOCAD DRW TO SWD DRW
REV: F
VERSION: 03
REVISED: 07:01:25 10/25/2022
TDR: 000001198704
MODEL NO. 37LYG816
REF: -
BY: ENALEM0
B
BALDOR - RELIANCE®
HORZ IEC D132S-M TEFC 37M B3 MTG W/EPACT SHOVE,M12X1.75 TAP
37LYG816

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