ABB BALDOR RELIANCE

Customer information packet

EJMM3711T

10HP, 3490RPM, 3PH, 60HZ, 215JM, 3728M, TEFC, F
Class - None
Division - Not Applicable

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Specifications

Enclosure	TEFC
Frame	215JM
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	10.000 HP @ 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	NEMA PREMIUM
	CURUSEEV
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
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	12.0 a
Insulation Class	F

Part Detail

Revision	-
Type	AC
Mech. spec.	37M031
Base	
Status	PRD/A
Elec. spec.	37WGZ712
Layout	37LYM031
Eff. date	11-24-2025
CD Diagram	CD0005
Poles	02
Leads	9#14
Proprietary	False
Created date	11-05-2025

Inverter Code	Inverter Ready
KVA Code	G
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
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	19.76 IN
Power Factor	85
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	0.875 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

NP3441LUA									
CAT.NO.	EJMM3711T								
SPEC	37M031Z712								
HP	10								
VOLTS	230/460								
AMPS	24.1/12								
RPM	3490								
FRAME	215JM	**HZ**	60		**PH**	3			
SF	1.15	**CODE**	G	**DES**	B	**CLASS**	F		
NEMA NOM. EFF	90.2	**PF**	85						
RATING	40C AMB-CONT								
CC	010A								
ENCL	TEFC	**SER**							
DE	6309	**ODE**	6206						
VPWM INVERTER READY	SFA 27.6/13.8								
CT6-60H(10:1)VT3-60H(20:1									
	50HZ 10HP 190/380V 28.2/14.1A								SF1.0

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

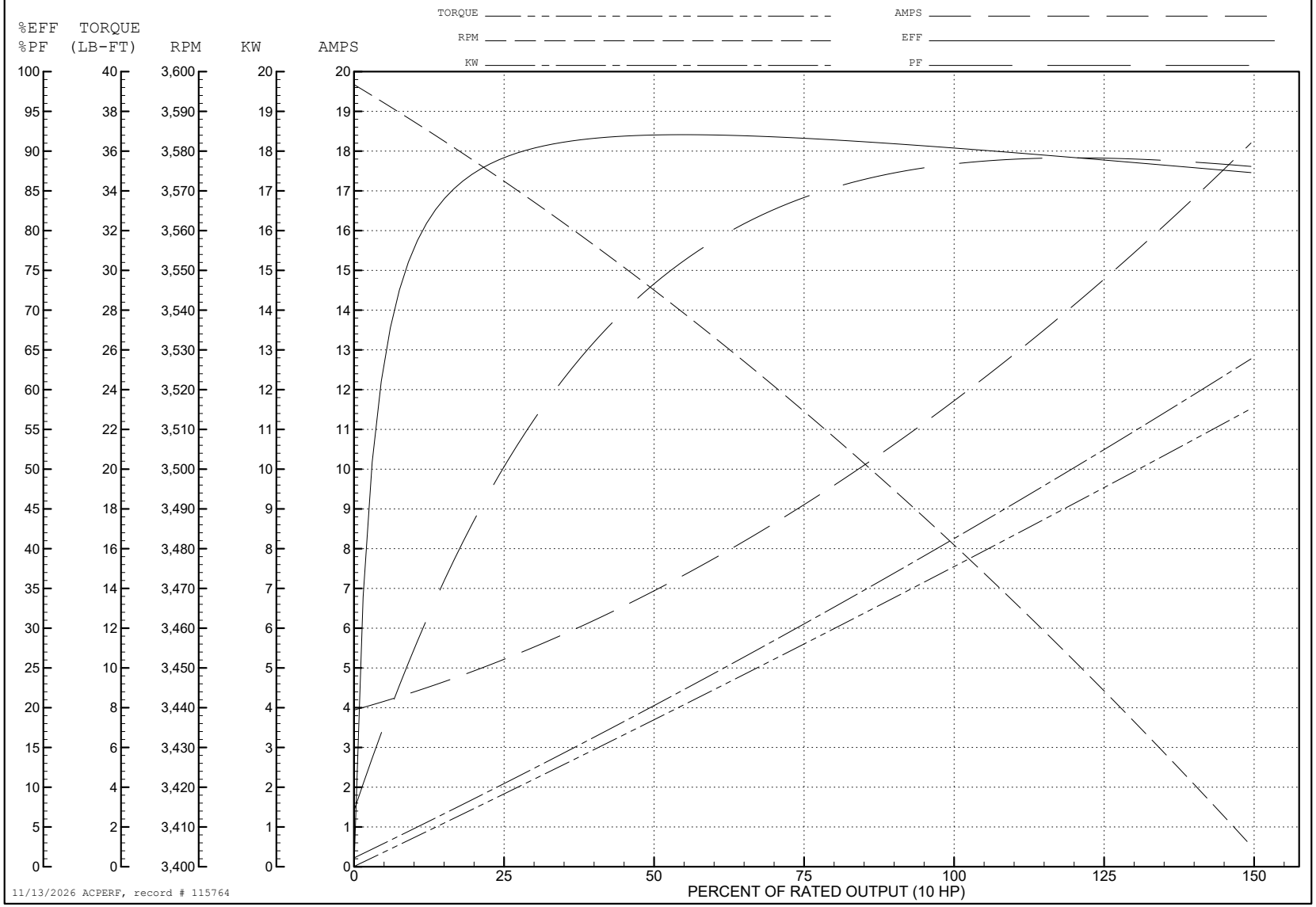
ABB Motors and Mechanical Inc.

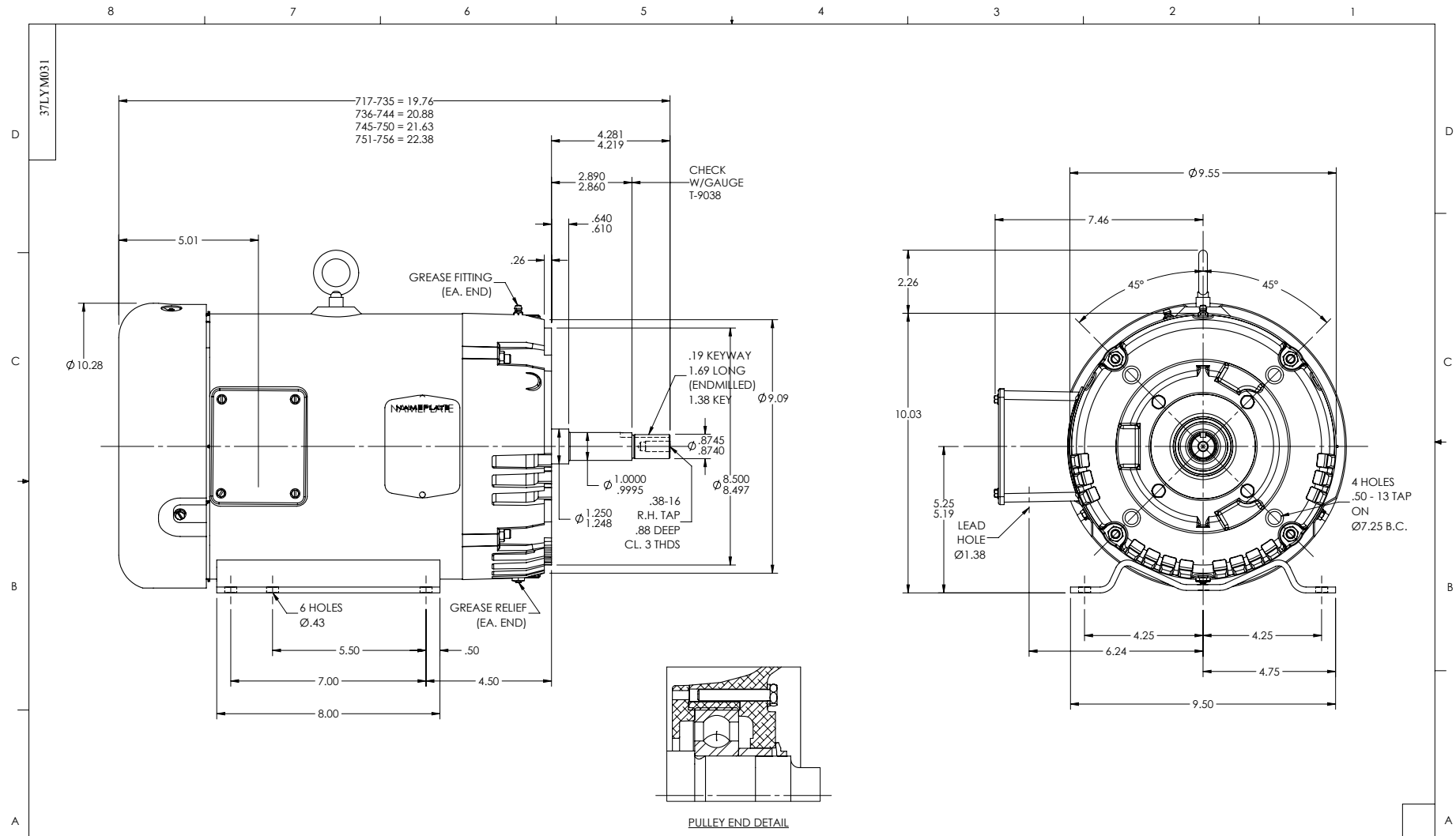
WINDING # 37WGZ712

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

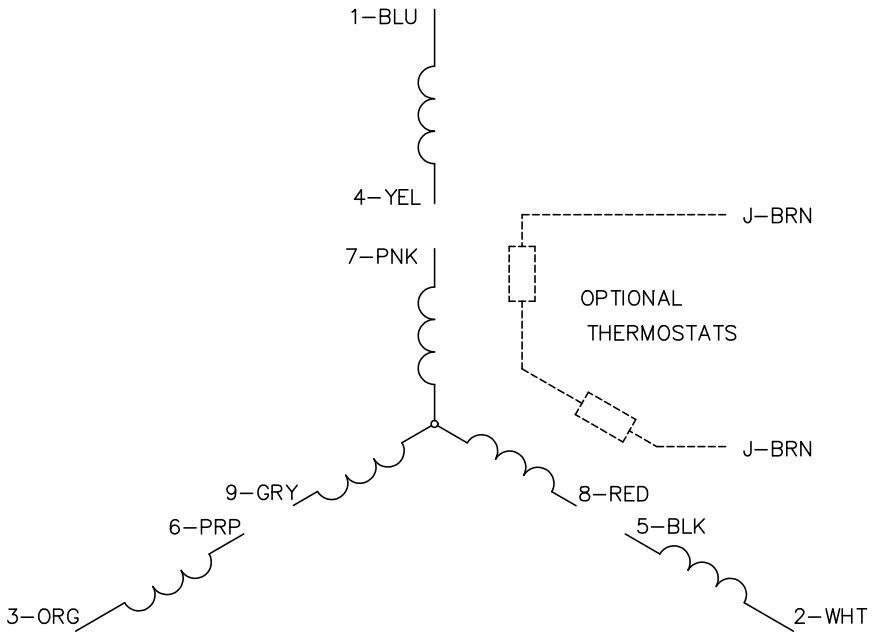
Typical performance - not guaranteed values.

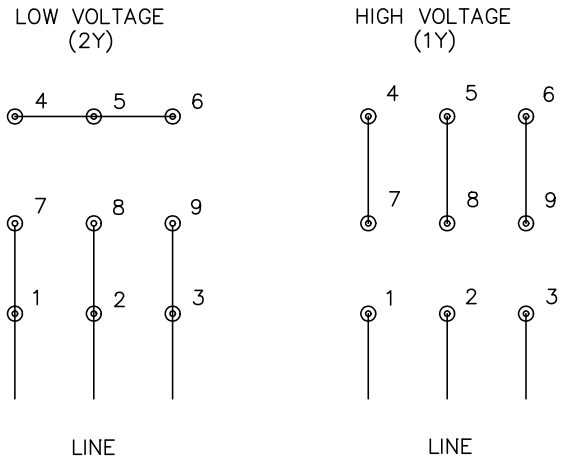
TORQUES(LB-FT): PO=58.7 PU=24.8 LR=27.4 LRA=77.5




37LYM031
717-735 = 19.76
736-744 = 20.88
745-750 = 21.63
751-756 = 22.38
4.281
4.219
2.890
2.860
CHECK
W/GAUGE
T-9038
.640
.610
5.01
.26
GREASE FITTING
(EA. END)
Ø 10.28
NAMEPLATE
.19 KEYWAY
1.69 LONG
(ENDMILLED)
1.38 KEY
Ø 9.09
Ø .8745
.8740
Ø 1.0000
.9995
Ø 8.500
8.497
Ø 1.250
1.248
.38-16
R.H. TAP
.88 DEEP
CL. 3 THDS
6 HOLES
Ø.43
GREASE RELIEF
(EA. END)
5.50
.50
7.00
4.50
8.00
Ø 9.55
7.46
2.26
45°
45°
10.03
5.25
5.19
LEAD
HOLE
Ø1.38
4 HOLES
.50 - 13 TAP
ON
Ø7.25 B.C.
4.25
4.25
6.24
4.75
9.50
PULLEY END DETAIL
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: CHG U DIM FROM .8745-.8750 TO .8740-.8745
REV: S
VERSION: 06
REVISED: 03:39:36 06/20/2024
TDR: 000001232199
MODEL NO. 37LYM031
REF: -
BY: USERBOG1
B
BALDOR - RELIANCE®
STD HORZ 213-5JM TEFC 37M
37LYM031

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