ABB BALDOR RELIANCE

Customer information packet

VEJMM3211T-5

3HP/1760RPM/3PH/ODTF/NEMA 182JM
Class - None
Division - Not Applicable

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Specifications

Enclosure	ODTF
Frame	182JM
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	3.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	575.0 V @ 60 HZ
Agency Approvals	UR
	CSA
	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	3.100 A @ 575.0 V
Design Code	B
Drip Cover	Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	89.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	3.1 a
Insulation Class	F

Part Detail

Revision	Y
Type	AC
Mech. spec.	36N072
Base	
Status	PRD/A
Elec. spec.	36WGY438
Layout	36LYN072
Eff. date	04-20-2026
CD Diagram	CD0006
Poles	04
Leads	3#16
Proprietary	False
Created date	01-01-0001

Inverter Code	Inverter Ready
KVA Code	K
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	3 @ 16 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3628M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	18.06 IN
Power Factor	77
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	C-Face
Pulley Shaft Indicator	Tapped & Key
Rodent Screen	None
Service Factor	1.15
Shaft Diameter	0.875 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger
Speed	1760 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

	NP1259L									
CAT.NO.	VEJMM3211T-5									
SPEC.	36N072Y438G1									
HP	3									
VOLTS	575									
AMP	3.1									
RPM	1760									
FRAME	182JM	**HZ**	60				**PH**	3		
SER.F.	1.15	**CODE**	K	**DES**	B	**CL**	F			
NEMA-NOM-EFF	89.5	**PF**	77							
RATING	40C AMB-CONT									
CC	010A									
DE	6207	**ODE**	6205							
ENCL	ODTF	**SN**								
	INVERTER DUTY 20:1 VT									

AC Induction Motor Performance Data
Record # 11328
Typical performance - not guaranteed values

Winding: 36WGY438-R004	**Type:** 3628M	**Enclosure:** OPSB

Nameplate Data				**575 V, 60 Hz: Single Voltage Motor**	
Rated Output (HP)			3	**Full Load Torque**	9 LB-FT
Volts			575	**Start Configuration**	direct on line
Full Load Amps			3.1	**Breakdown Torque**	31 LB-FT
R.P.M.			1760	**Pull-up Torque**	16.5 LB-FT
Hz	60	**Phase**	3	**Locked-rotor Torque**	22 LB-FT
NEMA Design Code	B	**KVA Code**	K	**Starting Current**	25.6 A
Service Factor (S.F.)			1.15	**No-load Current**	1.8 A
NEMA Nom. Eff.	89.5	**Power Factor**	77	**Line-line Res. @ 25ºC**	6.11 Ω
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	22°C
S.F. Amps				**Temp. Rise @ S.F. Load**	27°C
				Locked-rotor Power Factor	42
				Rotor inertia	0.263 LB-FT2

Load Characteristics 575 V, 60 Hz, 3 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	37	58	71	77	81	83	79
Efficiency	84	89.1	90	89.7	88.7	87.3	89.1
Speed	1788	1778	1767	1756	1743	1729	1748
Line amperes	1.9	2.2	2.7	3.1	3.9	4.6	3.6

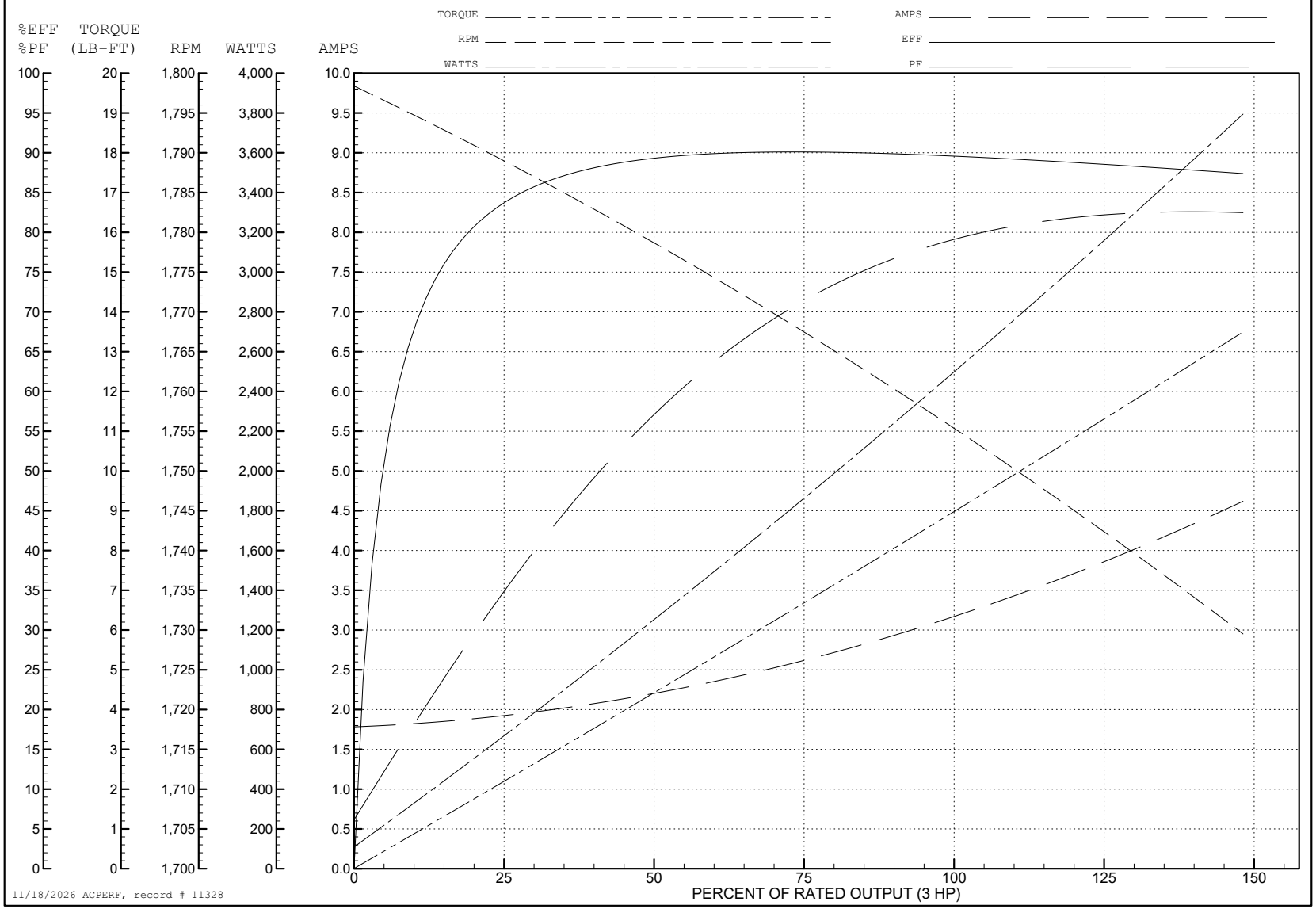
ABB Motors and Mechanical Inc.

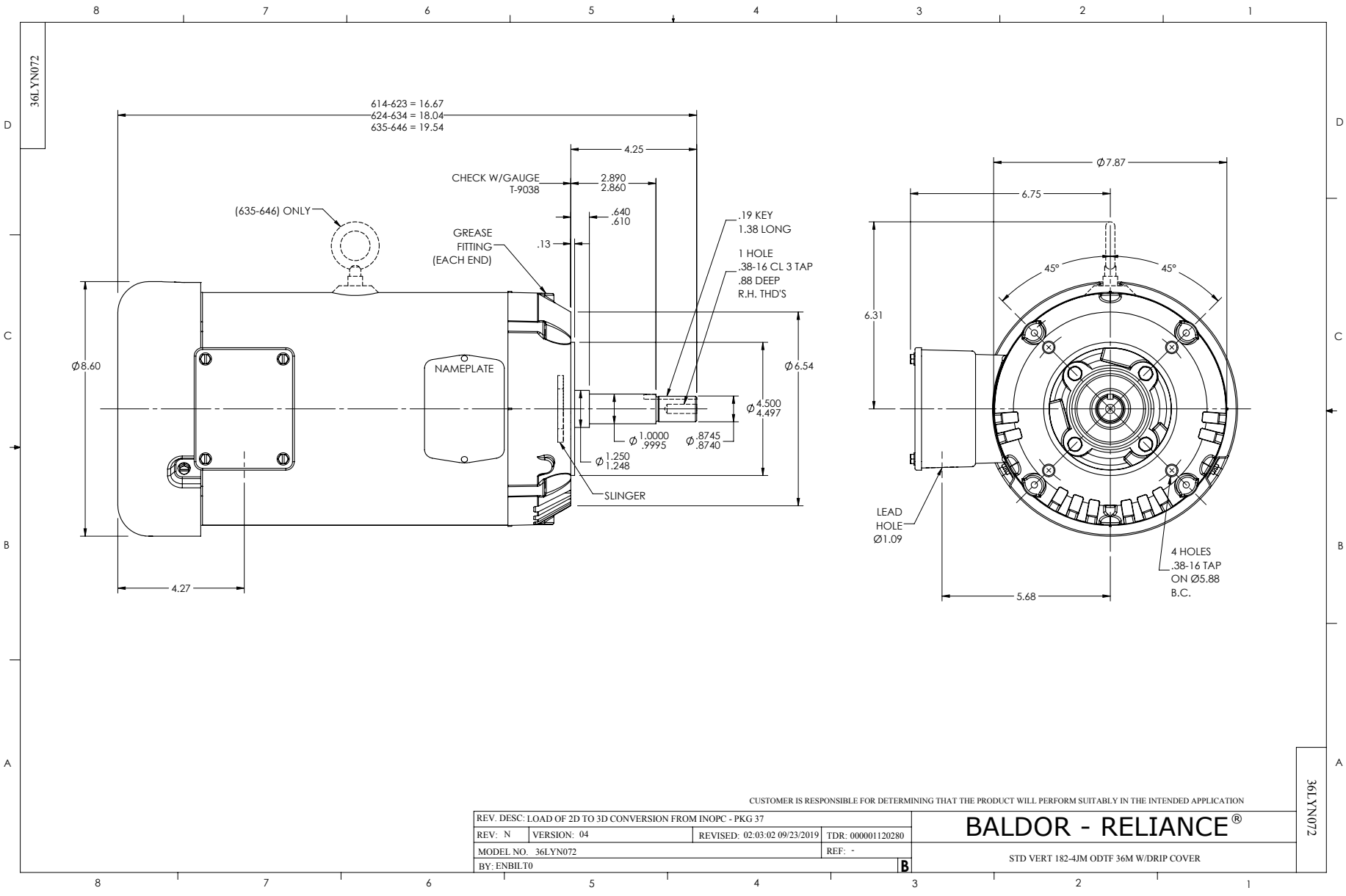
WINDING # 36WGY438

3 HP 3 PH 60 HZ 1760 RPM 575 V 3628M

Typical performance - not guaranteed values.

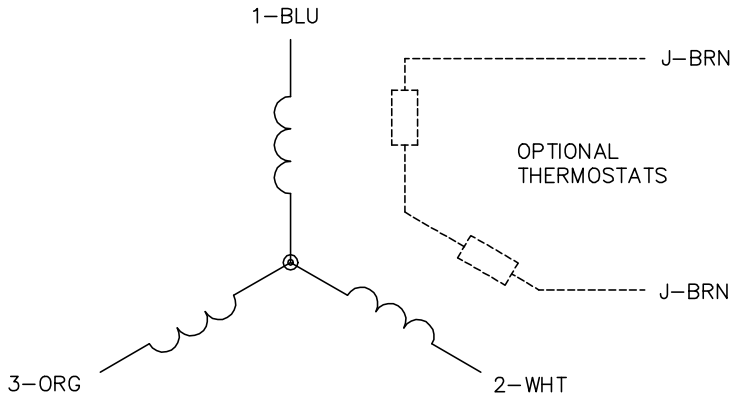
TORQUES(LB-FT): PO=31 PU=16.5 LR=22 LRA=25.6

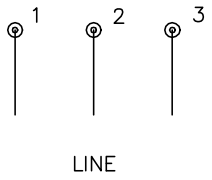



36LYN072
614-623 = 16.67
624-634 = 18.04
635-646 = 19.54
4.25
CHECK W/GAUGE T-9038
2.890
2.860
.640
.610
.13
(635-646) ONLY
GREASE FITTING (EACH END)
.19 KEY
1.38 LONG
1 HOLE
.38-16 CL 3 TAP
.88 DEEP
R.H. THD'S
Ø8.60
NAMEPLATE
Ø6.54
Ø 4.500
4.497
Ø 1.0000
.9995
Ø .8745
.8740
Ø 1.250
1.248
SLINGER
4.27
Ø7.87
6.75
45°
45°
6.31
LEAD HOLE Ø1.09
4 HOLES .38-16 TAP ON Ø5.88 B.C.
5.68
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: LOAD OF 2D TO 3D CONVERSION FROM INOPC - PKG 37
REV: N
VERSION: 04
REVISED: 02:03:02 09/23/2019
TDR: 000001120280
MODEL NO. 36LYN072
REF: -
BY: ENBILT0
B
BALDOR - RELIANCE®
STD VERT 182-4JM ODTF 36M W/DRIP COVER
36LYN072

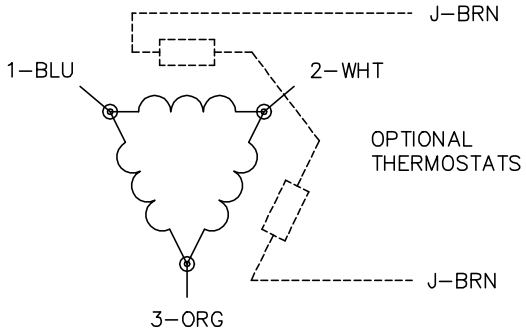
CD0006

TYPICAL WYE–CONNECTED MOTOR





TYPICAL DELTA–CONNECTED MOTOR



NOTES:

1. THREE LEAD MOTOR MAY BE EITHER WYE CONNECTED OR DELTA CONNECTED.
2. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
3. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
4. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY VARY.
5. LEAD COLORS ARE OPTIONAL. LEADS MUST BE NUMBERED AS SHOWN.

CD0006

REV. DESC: ADD CLASS CONN00000007			BALDOR - RELIANCE®
REV. LTR: E	VERSION: 01	TDR: 000001099922	
FILE: \AAA\00005\141	REVISED: 10:24:49 02/19/2019	BY: ENBRIR0	3PH, SV, 3 LEADS, WYE OR DELTA CONNECTED
MTL: –			SH 1 of 1