ABB BALDOR RELIANCE

Customer information packet

VEJMM3219T

7.5HP, 3450RPM, 3PH, 60HZ, 184JM, 3632M, ODP, F
Class - None
Division - Not Applicable

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Specifications

Enclosure	ODP
Frame	184JM
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 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	3600 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ
	230.0 V @ 60 HZ
Agency Approvals	CSA
	CSA EEV
	UR
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	18.000 A @ 208.0 V
	8.600 A @ 460.0 V
	17.200 A @ 230.0 V
Design Code	A
Drip Cover	Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	88.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None

Part Detail

Revision	M
Type	AC
Mech. spec.	36Q302
Base	
Status	PRD/A
Elec. spec.	36WGS516
Layout	36LYQ302
Eff. date	11-16-2026
CD Diagram	CD0005
Poles	02
Leads	9#16
Proprietary	False
Created date	05-27-2015

Heater Indicator	No Heater
High Voltage Full Load Amps	8.6 a
Insulation Class	F
Inverter Code	Inverter Ready
KVA Code	L
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	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	3632M
Mounting Arrangement	F1
Number of Poles	2
Overall Length	18.04 IN
Power Factor	89
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	C-Face
Pulley Shaft Indicator	Tapped & Key
Rodent Screen	Included
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	3450 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.	VEJMM3219T									
SPEC.	36Q302S516G1									
HP	7.5									
VOLTS	230/460									
AMP	17.2/8.6									
RPM	3450									
FRAME	184JM	**HZ**	60				**PH**	3		
SER.F.	1.15	**CODE**	L	**DES**	A	**CL**	F			
NEMA-NOM-EFF	88.5	**PF**	89							
RATING	40C AMB-CONT									
CC	010A									
DE	6207	**ODE**	6205							
ENCL	ODP	**SN**								

AC Induction Motor Performance Data
Record # 51132
Typical performance - not guaranteed values

Winding: 36WGS516-R012	**Type:** 3632M	**Enclosure:** ODP

Nameplate Data				**460 V, 60 Hz: High Voltage Connection**	
Rated Output (HP)			7.5	**Full Load Torque**	11.3 LB-FT
Volts			230/460	**Start Configuration**	direct on line
Full Load Amps			17.2/8.6	**Breakdown Torque**	55.2 LB-FT
R.P.M.			3450	**Pull-up Torque**	37 LB-FT
Hz	60	**Phase**	3	**Locked-rotor Torque**	42.6 LB-FT
NEMA Design Code	A	**KVA Code**	L	**Starting Current**	86.3 A
Service Factor (S.F.)			1.15	**No-load Current**	3.02 A
NEMA Nom. Eff.	88.5	**Power Factor**	89	**Line-line Res. @ 25ºC**	1.59 Ω
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	43°C
S.F. Amps				**Temp. Rise @ S.F. Load**	53°C
				Locked-rotor Power Factor	47.4
				Rotor inertia	0.143 LB-FT2

Load Characteristics 460 V, 60 Hz, 7.5 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	57	80	87	91	93	93	92
Efficiency	82.2	88.2	89.5	89.4	88.4	86.4	88.8
Speed	3572	3543	3513	3479	3443	3404	3457
Line amperes	3.68	4.98	6.72	8.63	10.7	13.1	9.87

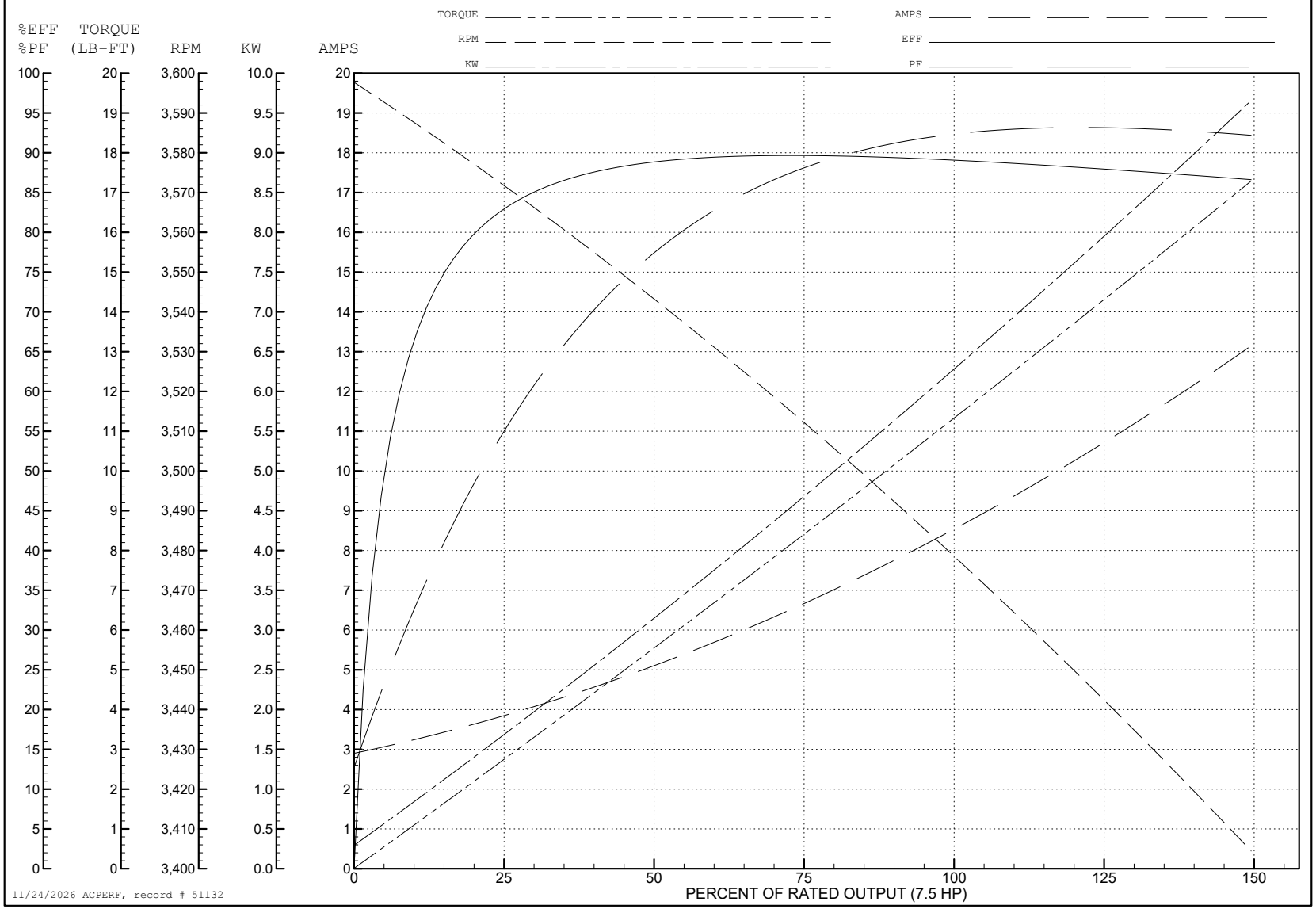
ABB Motors and Mechanical Inc.

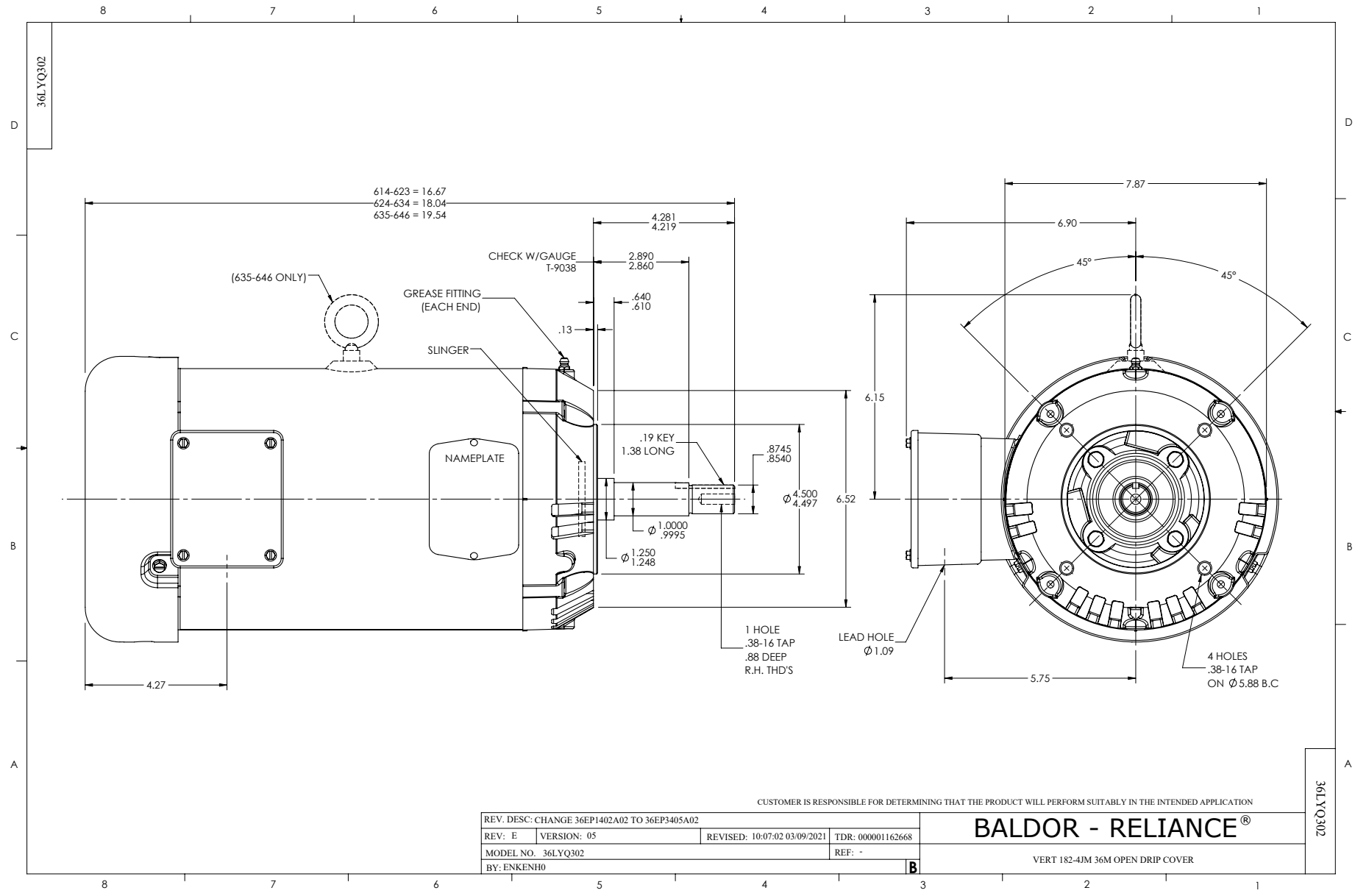
WINDING # 36WGS516

7.5 HP 3 PH 60 HZ 3450 RPM 460 V 3632M

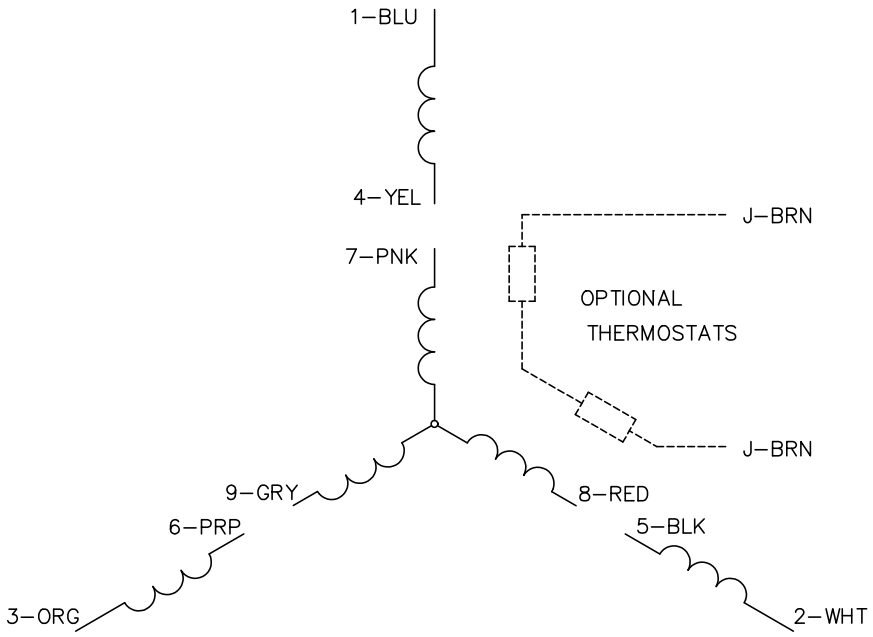
Typical performance - not guaranteed values.

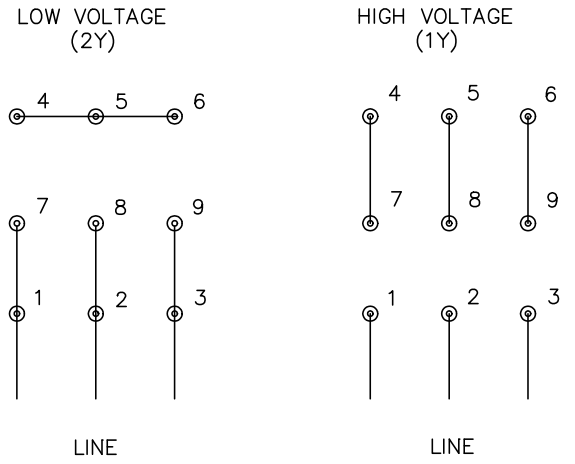
TORQUES(LB-FT): PO=55.2 PU=37 LR=42.6 LRA=86.3




36LYQ302
614-623 = 16.67
624-634 = 18.04
635-646 = 19.54
4.281
4.219
CHECK W/GAUGE
T-9038
2.890
2.860
(635-646 ONLY)
GREASE FITTING
(EACH END)
.640
.610
.13
SLINGER
NAMEPLATE
.19 KEY
1.38 LONG
.8745
.8540
Ø 4.500
4.497
6.52
Ø 1.0000
.9995
Ø 1.250
1.248
1 HOLE
.38-16 TAP
.88 DEEP
R.H. THD'S
4.27
7.87
6.90
45°
45°
6.15
LEAD HOLE
Ø 1.09
5.75
4 HOLES
.38-16 TAP
ON Ø 5.88 B.C
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: CHANGE 36EP1402A02 TO 36EP3405A02
REV: E
VERSION: 05
REVISED: 10:07:02 03/09/2021
TDR: 000001162668
MODEL NO. 36LYQ302
REF: -
BY: ENKENH0
B
BALDOR - RELIANCE®
VERT 182-4JM 36M OPEN DRIP COVER
36LYQ302

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