BALDOR • RELIANCE

Customer information packet

EJMM3211T-G

3HP, 1765RPM, 3PH, 60HZ, 182JM, 3630M, OPSB, F1
Class - None
Division - Not Applicable

8/15/2024 1:17:47 AM

Specifications

Enclosure	OPSB
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	230.0 V @ 60 HZ
	460.0 V @ 60 HZ
Agency Approvals	CSA EEV
	NEMA PREMIUM
	NEMA_PREMIUM
	UR
Ambient Temperature	40 °C
Auxillary Box	No Auxillary Box
Auxillary Box Lead Termination	None
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	8.500 A @ 208.0 V
	8.400 A @ 230.0 V
	4.200 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	89.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard

Part detail

Revision	R
Type	AC
Mech. spec.	36T140
Base	
Status	PRD/A
Elec. spec.	36WGS658
Layout	36LYT140
Eff. date	06-11-2024
CD Diagram	CD0005
Poles	04
Leads	9#16
Proprietary	False
Created date	07-28-2011

Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	4.2 a
Insulation Class	H
Inverter Code	Inverter Ready
IP Rating	NONE
KVA Code	K
Lifting Lugs	No 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	3630M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	16.50 IN
Power Factor	74
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	Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger
Speed	1765 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

NP3553LUA										
CAT.NO.	EJMM3211T-G									
SPEC.	36T140S658G1									
HP	3									
VOLTS	230/460									
AMPS	8.4/4.2									
RPM	1765									
FRAME	182JM	**HZ**	60	**PH**	3					
SF	1.15	**CODE**	K	**DES**	B	**CLASS**	H			
NEMA NOM. EFF	89.5	**PF**	74							
RATING	40C AMB-CONT									
CC	010A									
ENCL	OPSB	**SN**								
DE	6207	**ODE**	6205							
VPWM INVERTER READY										
CT30-60(2:1) VT3-60(20:1)										
USABLE AT	50Hz 3HP 190/380V 9.8/4.9A									SF1.0

AC Induction Motor Performance Data
Record # 35737
Typical performance - not guaranteed values

Winding: 36WGS658-R003	**Type:** 3630M	**Enclosure:** OPSB

Nameplate Data				**460 V, 60 Hz: High Voltage Connection**	
Rated Output (HP)			3	**Full Load Torque**	8.87 LB-FT
Volts			230/460	**Start Configuration**	direct on line
Full Load Amps			8.4/4.2	**Breakdown Torque**	37.4 LB-FT
R.P.M.			1765	**Pull-up Torque**	17.3 LB-FT
Hz	60	**Phase**	3	**Locked-rotor Torque**	21.2 LB-FT
NEMA Design Code	B	**KVA Code**	K	**Starting Current**	32.3 A
Service Factor (S.F.)			1.15	**No-load Current**	2.43 A
NEMA Nom. Eff.	89.5	**Power Factor**	74	**Line-line Res. @ 25ºC**	3.78 Ω
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	24°C
S.F. Amps				**Temp. Rise @ S.F. Load**	29°C
				Locked-rotor Power Factor	43
				Rotor inertia	0.279 LB-FT2

Load Characteristics 460 V, 60 Hz, 3 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	33	53	66	73	79	81	77
Efficiency	80.1	87.6	89.6	89.9	89.7	88.5	89.8
Speed	1791	1783	1775	1766	1756	1745	1760
Line amperes	2.6	2.99	3.54	4.25	4.97	5.83	4.68

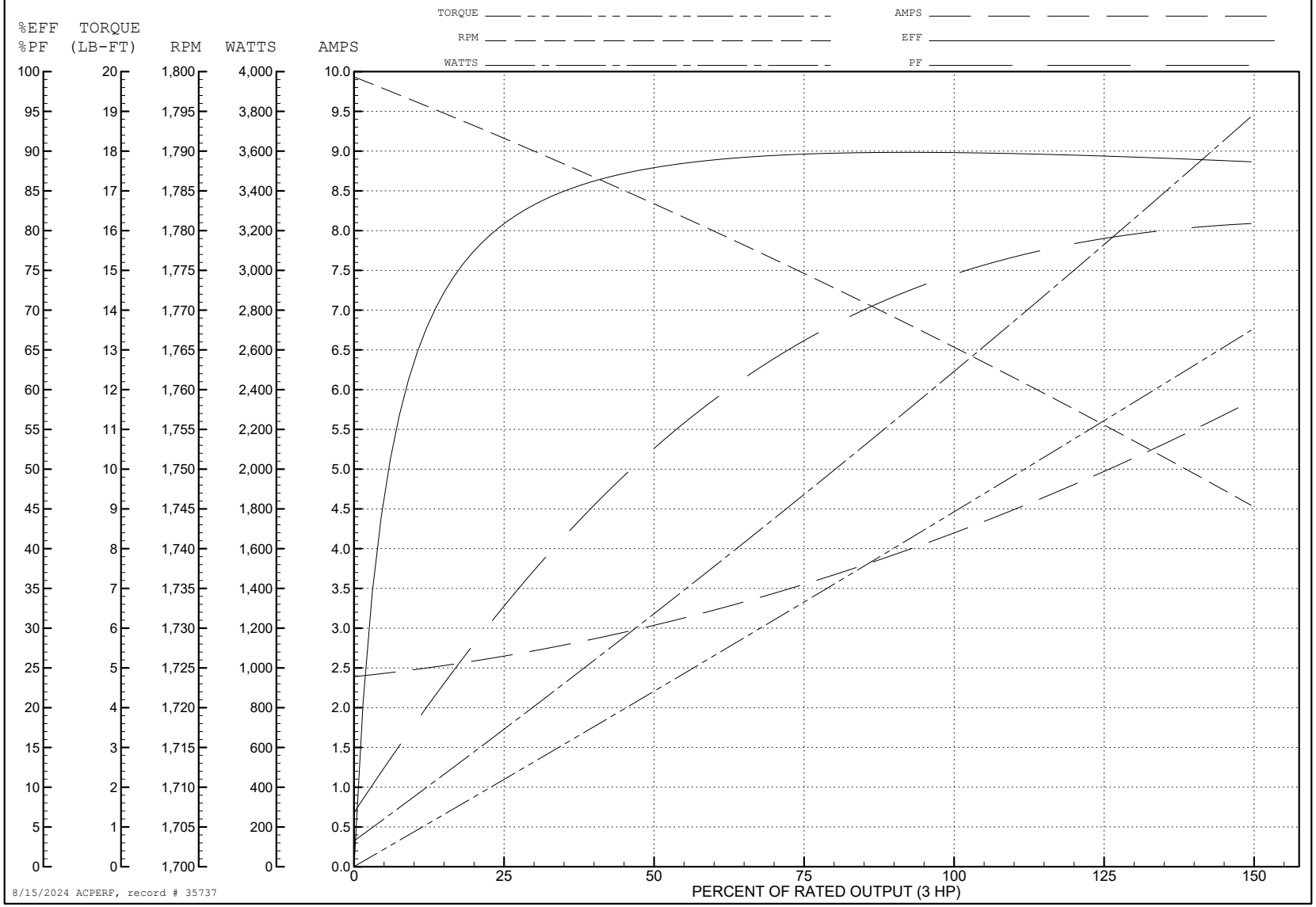
ABB Motors and Mechanical Inc.

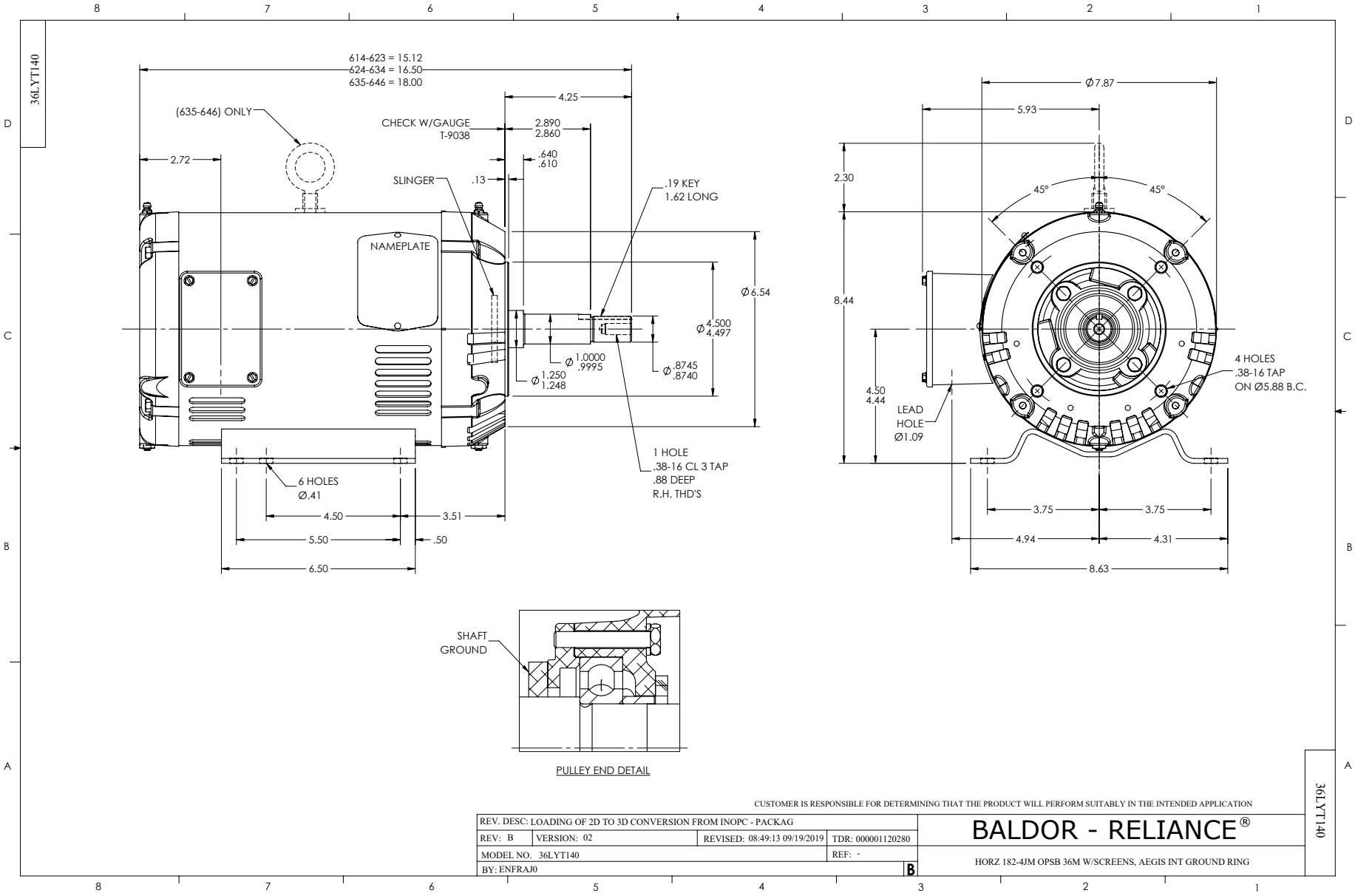
WINDING # 36WGS658

Typical performance - not guaranteed values.

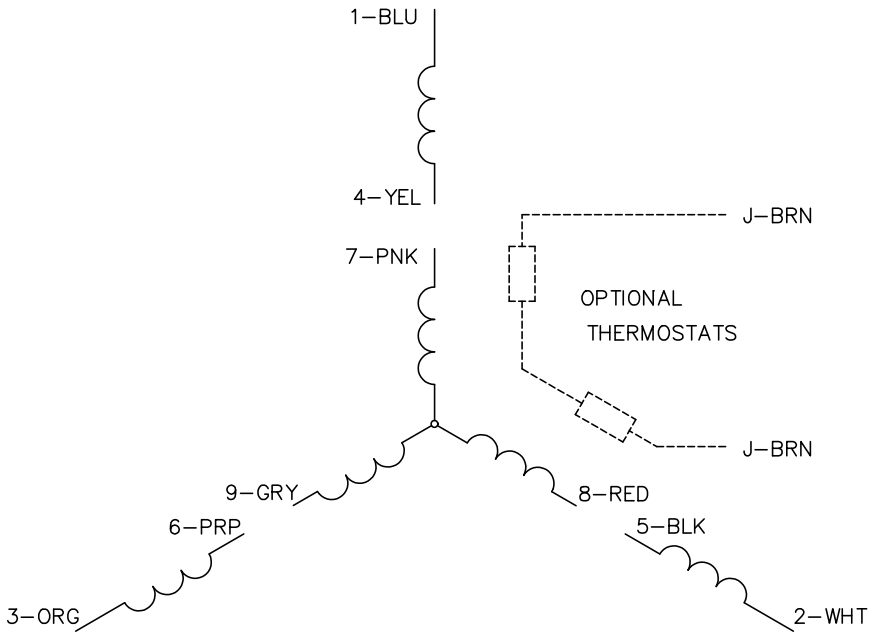
3 HP 3 PH 60 HZ 1765 RPM 460 V 3630M

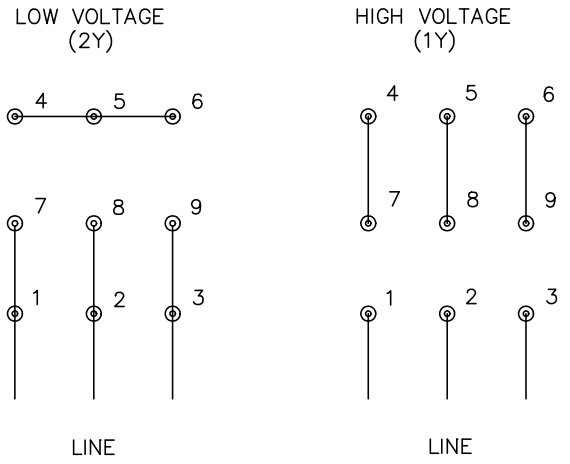
TORQUES(LB-FT): PO=37.4 PU=17.3 LR=21.2 LRA=32.3




36LYT140
614-623 = 15.12
624-634 = 16.50
635-646 = 18.00
(635-646) ONLY
CHECK W/GAUGE T-9038
4.25
2.890
2.860
.640
.610
2.72
SLINGER
.13
.19 KEY
1.62 LONG
NAMEPLATE
Ø6.54
Ø4.500
4.497
Ø1.0000
.9995
Ø.8745
.8740
Ø1.250
1.248
1 HOLE
.38-16 CL 3 TAP
.88 DEEP
R.H. THD'S
6 HOLES
Ø.41
4.50
3.51
5.50
.50
6.50
Ø7.87
5.93
2.30
45°
45°
8.44
4.50
4.44
LEAD
HOLE
Ø1.09
4 HOLES
.38-16 TAP
ON Ø5.88 B.C.
3.75
3.75
4.94
4.31
8.63
SHAFT
GROUND
PULLEY END DETAIL
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: LOADING OF 2D TO 3D CONVERSION FROM INOPC - PACKAG
REV: B
VERSION: 02
REVISED: 08:49:13 09/19/2019
TDR: 000001120280
MODEL NO. 36LYT140
REF: -
BY: ENFRAJ0
B
BALDOR - RELIANCE®
HORZ 182-4JM OPSB 36M W/SCREENS, AEGIS INT GROUND RING
36LYT140

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