

BALDOR® • RELIANCE

Product Information Packet

EM3215T

2HP,1165RPM,3PH,60HZ,184T,3636M,OPSB,F1

Part Detail							
Revision:	J	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	36WGS947	CD Diagram:	CD0005	Mfg Plant:	
Mech. Spec:	36G548	Layout:	36LYG548	Poles:	06	Created Date:	05-30-2012
Base:	RG	Eff. Date:	06-01-2017	Leads:	9#16		

Specs			
Catalog Number:	EM3215T	Heater Indicator:	No Heater
Enclosure:	OPSB	Insulation Class:	F
Frame:	184T	Inverter Code:	Inverter Ready
Frame Material:	Steel	KVA Code:	L
Output @ Frequency:	2.000 HP @ 60 HZ	Lifting Lugs:	No Lifting Lugs
Synchronous Speed @ Frequency:	1200 RPM @ 60 HZ	Locked Bearing Indicator:	No Locked Bearing
Voltage @ Frequency:	460.0 V @ 60 HZ	Motor Lead Quantity/Wire Size:	9 @ 16 AWG
	230.0 V @ 60 HZ	Motor Lead Exit:	Ko Box
XP Class and Group:	None	Motor Lead Termination:	Flying Leads
XP Division:	Not Applicable	Motor Type:	3636M
Agency Approvals:	UR	Mounting Arrangement:	F1
	CSA EEV	Power Factor:	63
	CSA	Product Family:	General Purpose
Auxillary Box:	No Auxillary Box	Pulley End Bearing Type:	Ball
Auxillary Box Lead Termination:	None	Pulley Face Code:	Standard
Base Indicator:	Rigid	Pulley Shaft Indicator:	Standard
Bearing Grease Type:	Polyrex EM (-20F +300F)	Rodent Screen:	None
Blower:	None	Shaft Extension Location:	Pulley End

Current @ Voltage:	3.400 A @ 460.0 V	Shaft Ground Indicator:	No Shaft Grounding
	6.800 A @ 208.0 V	Shaft Rotation:	Reversible
	6.800 A @ 230.0 V	Shaft Slinger Indicator:	No Slinger
Design Code:	B	Speed Code:	Single Speed
Drip Cover:	No Drip Cover	Motor Standards:	NEMA
Duty Rating:	CONT	Starting Method:	Direct on line
Electrically Isolated Bearing:	Not Electrically Isolated	Thermal Device - Bearing:	None
Feedback Device:	NO FEEDBACK	Thermal Device - Winding:	None
Front Face Code:	Standard	Vibration Sensor Indicator:	No Vibration Sensor
Front Shaft Indicator:	None	Winding Thermal 1:	None
		Winding Thermal 2:	None

Nameplate NP1259L

CAT.NO.	EM3215T											
SPEC.	36G548S947G1											
HP	2											
VOLTS	230/460											
AMP	6.8/3.4											
RPM	1165											
FRAME	184T				HZ		60			PH		3
SER.F.	1.15			CODE		L	DES		B	CL		F
NEMA-NOM-EFF	87.5			PF		63						
RATING	40C AMB-CONT											
CC	010A			USABLE AT 208V								6.8
DE	6206			ODE		6205						
ENCL	OPSB		SN									

AC Induction Motor Performance Data

Record # 53374 - Typical performance - not guaranteed values

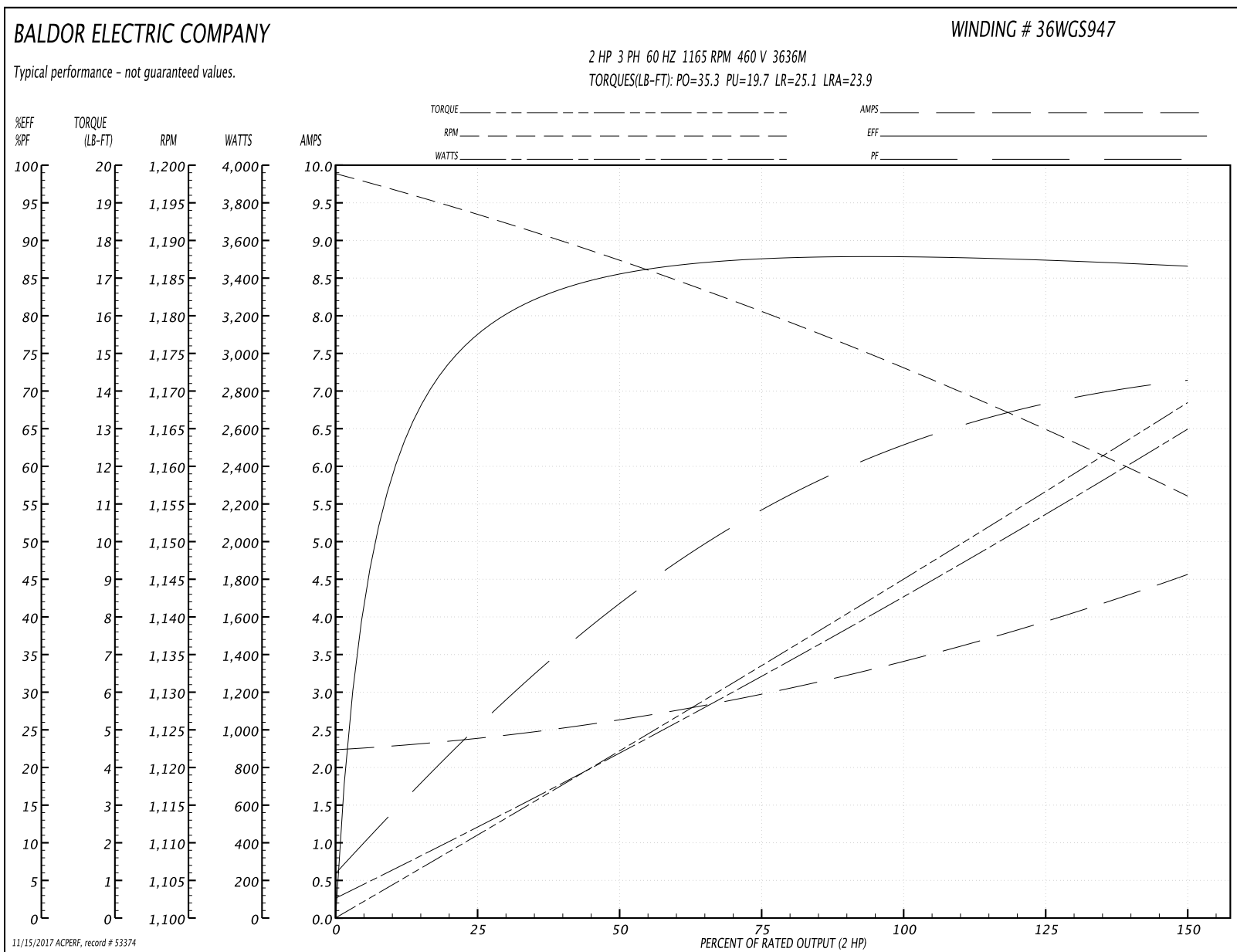
Winding: 36WGS947-R006	Type: 3636M	Enclosure: OPSB
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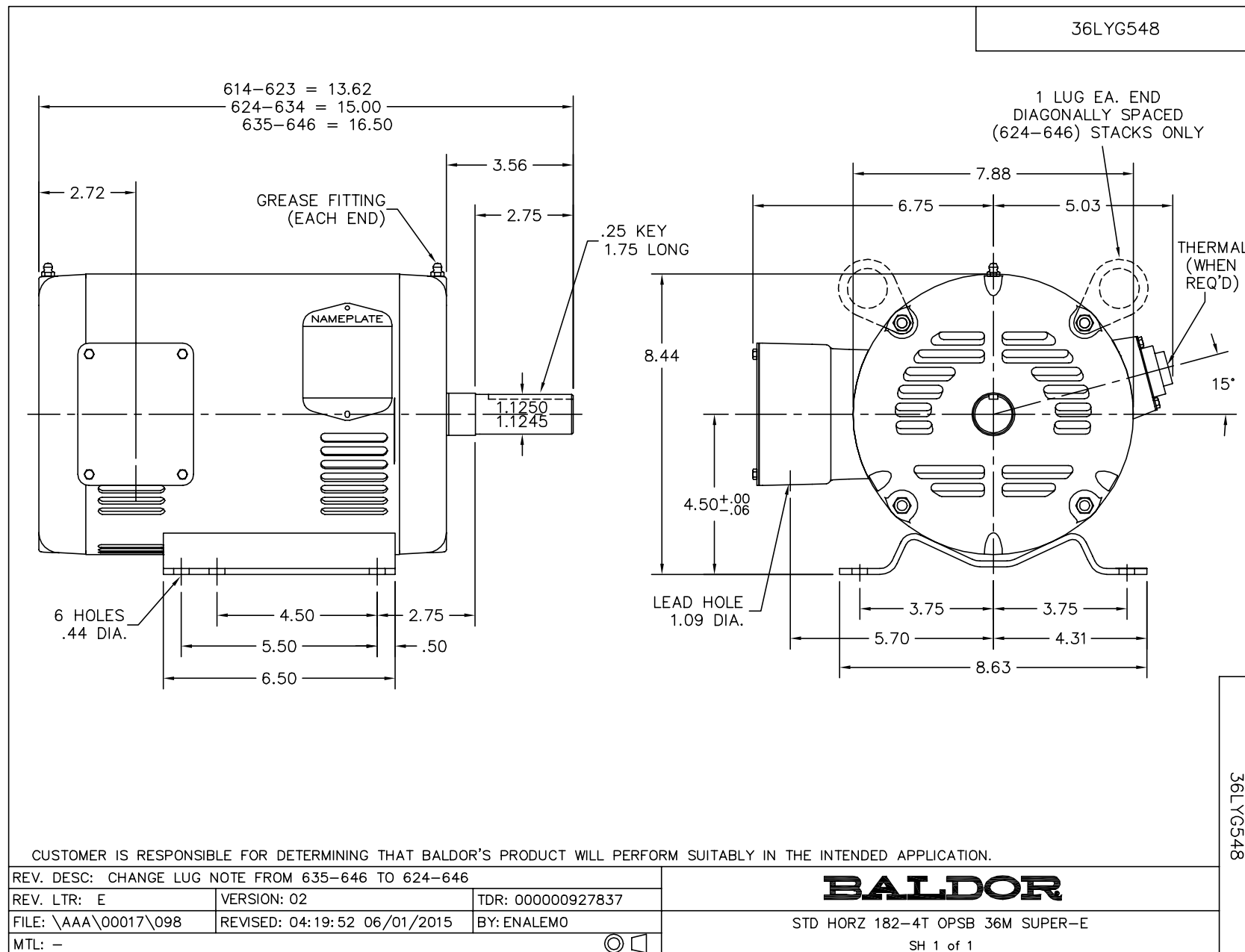
Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	2			Full Load Torque	9.01 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	6.8/3.4			Breakdown Torque	35.3 LB-FT
R.P.M.	1165			Pull-up Torque	19.7 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	25.1 LB-FT
NEMA Design Code	B	KVA Code	L	Starting Current	23.9 A
Service Factor (S.F.)	1.15			No-load Current	2.26 A
NEMA Nom. Eff.	87.5	Power Factor	63	Line-line Res. @ 25°C	4.9075 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	24°C
S.F. Amps				Temp. Rise @ S.F. Load	28°C

Load Characteristics 460 V, 60 Hz, 2 HP

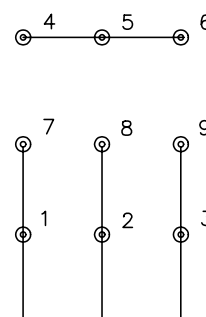
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	27	43	55	62	68	72	66
Efficiency	77.9	85.5	87.6	88	87.6	86.8	87.8
Speed	1193.3	1187	1180.2	1173.2	1165.2	1155.9	1168
Line amperes	2.37	2.62	2.99	3.43	3.96	4.54	3.75

Performance Graph at 460V, 60Hz, 2.0HP Typical performance - Not guaranteed values

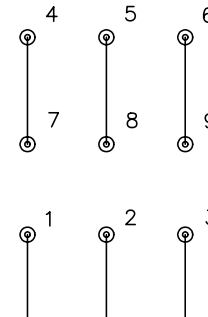




CD0005

LOW VOLTAGE
(2Y)

LINE

HIGH VOLTAGE
(1Y)

LINE

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.

REV. DESC: REVISE TO SHOW OPTIONAL COLORS

REV. LTR: E

BY: JLP

REVISED: 01/19/99 10:15

TDR: 0171435

900000

FILE: AAA00005140

MDL: -

MTL: -

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS

CD0005