

BALDOR® • RELIANCE

Product Information Packet

EM3211TA

3HP,1755RPM,3PH,60HZ,182T,3632M,OPSB,F1

Part Detail							
Revision:	L	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	36WGS576	CD Diagram:	CD0007	Mfg Plant:	
Mech. Spec:	36B101	Layout:	36LYB101	Poles:	04	Created Date:	09-17-2010
Base:	RG	Eff. Date:	09-07-2016	Leads:	12#16		

Specs			
Catalog Number:	EM3211TA	Insulation Class:	F
Enclosure:	OPSB	Inverter Code:	Inverter Ready
Frame:	182T	KVA Code:	K
Frame Material:	Steel	Lifting Lugs:	No Lifting Lugs
Output @ Frequency:	3.000 HP @ 60 HZ	Locked Bearing Indicator:	No Locked Bearing
Synchronous Speed @ Frequency:	1800 RPM @ 60 HZ	Motor Lead Quantity/Wire Size:	12 @ 16 AWG
Voltage @ Frequency:	460.0 V @ 60 HZ	Motor Lead Exit:	Ko Box
	230.0 V @ 60 HZ	Motor Lead Termination:	Flying Leads
XP Class and Group:	None	Motor Type:	3632M
XP Division:	Not Applicable	Mounting Arrangement:	F1
Agency Approvals:	CSA	Power Factor:	75
	CSA EEV	Product Family:	General Purpose
	UR	Pulley End Bearing Type:	Ball
Auxillary Box:	No Auxillary Box	Pulley Face Code:	Standard
Auxillary Box Lead Termination:	None	Pulley Shaft Indicator:	Standard
Base Indicator:	Rigid	Rodent Screen:	None
Bearing Grease Type:	Polyrex EM (-20F +300F)	RoHS Status:	ROHS COMPLIANT
Blower:	None	Shaft Extension Location:	Pulley End

Current @ Voltage:	4.400 A @ 460.0 V	Shaft Ground Indicator:	No Shaft Grounding
	8.800 A @ 230.0 V	Shaft Rotation:	Reversible
	8.900 A @ 208.0 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:	Automatic Thermal Overload
Heater Indicator:	No Heater	Winding Thermal 1 Location:	SB
		Winding Thermal 2:	None

Nameplate NP2601L

CAT.NO.	EM3211TA											
SPEC.	36B101S576G1											
HP	3											
VOLTS	230/460											
AMP	8.8/4.4											
RPM	1760											
FRAME	182T				HZ		60				PH	3
SER.F.	1.15		CODE		K	DES		B	CL		F	
NEMA-NOM-EFF	89.5			PF	75							
RATING	40C AMB-CONT											
CC	010A			USABLE AT 208V								8.9
DE	6206				ODE		6205					
ENCL	OPSB		SN									

AC Induction Motor Performance Data

Record # 41081 - Typical performance - not guaranteed values

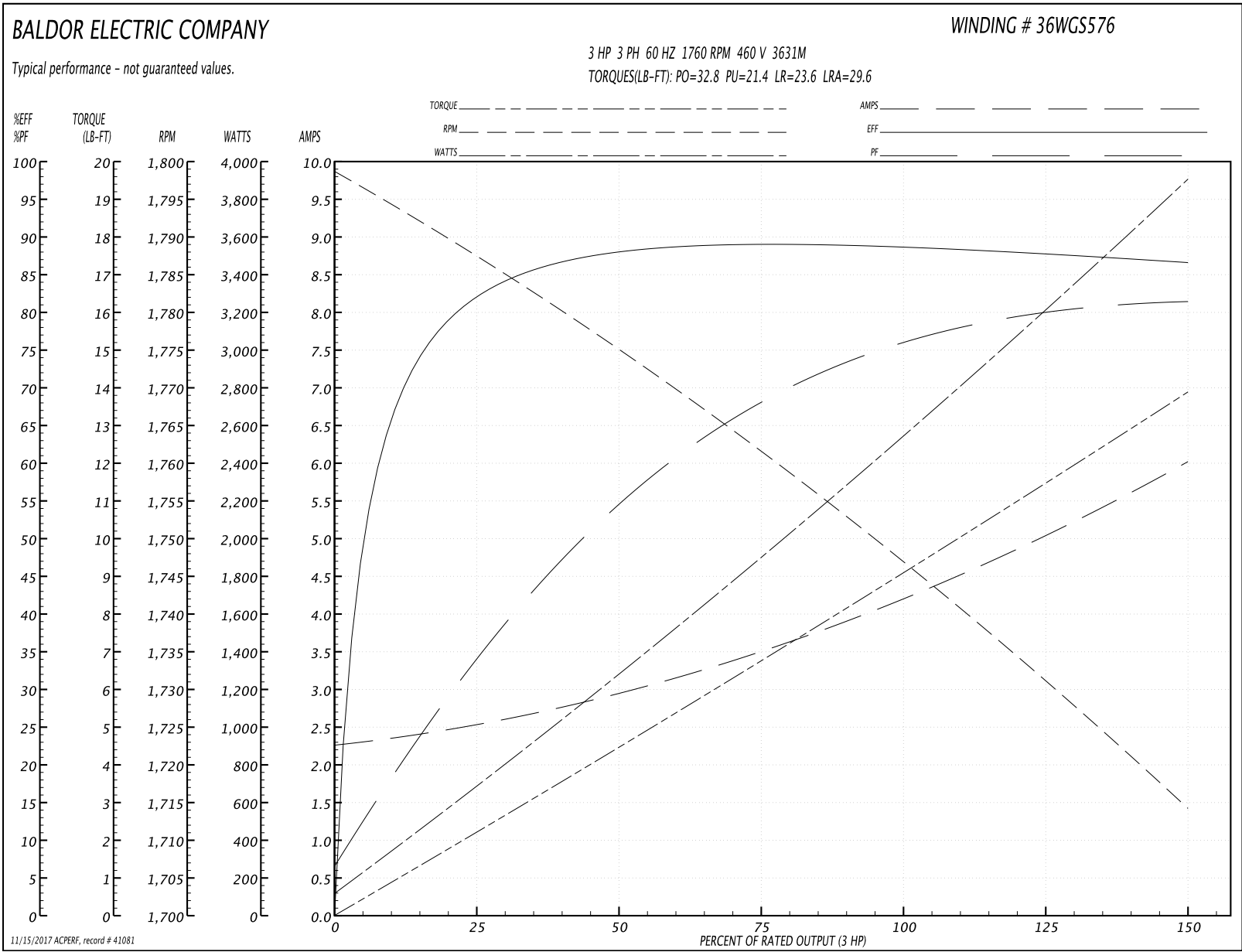
Winding: 36WGS576-R001	Type: 3631M	Enclosure: OPSB
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Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	3			Full Load Torque	9.13 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	8.8/4.4			Breakdown Torque	32.8 LB-FT
R.P.M.	1760			Pull-up Torque	21.4 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	23.6 LB-FT
NEMA Design Code	B	KVA Code	K	Starting Current	29.6 A
Service Factor (S.F.)	1.15			No-load Current	2.3 A
NEMA Nom. Eff.	89.5	Power Factor	75	Line-line Res. @ 25°C	3.9718 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	25°C
S.F. Amps				Temp. Rise @ S.F. Load	30°C

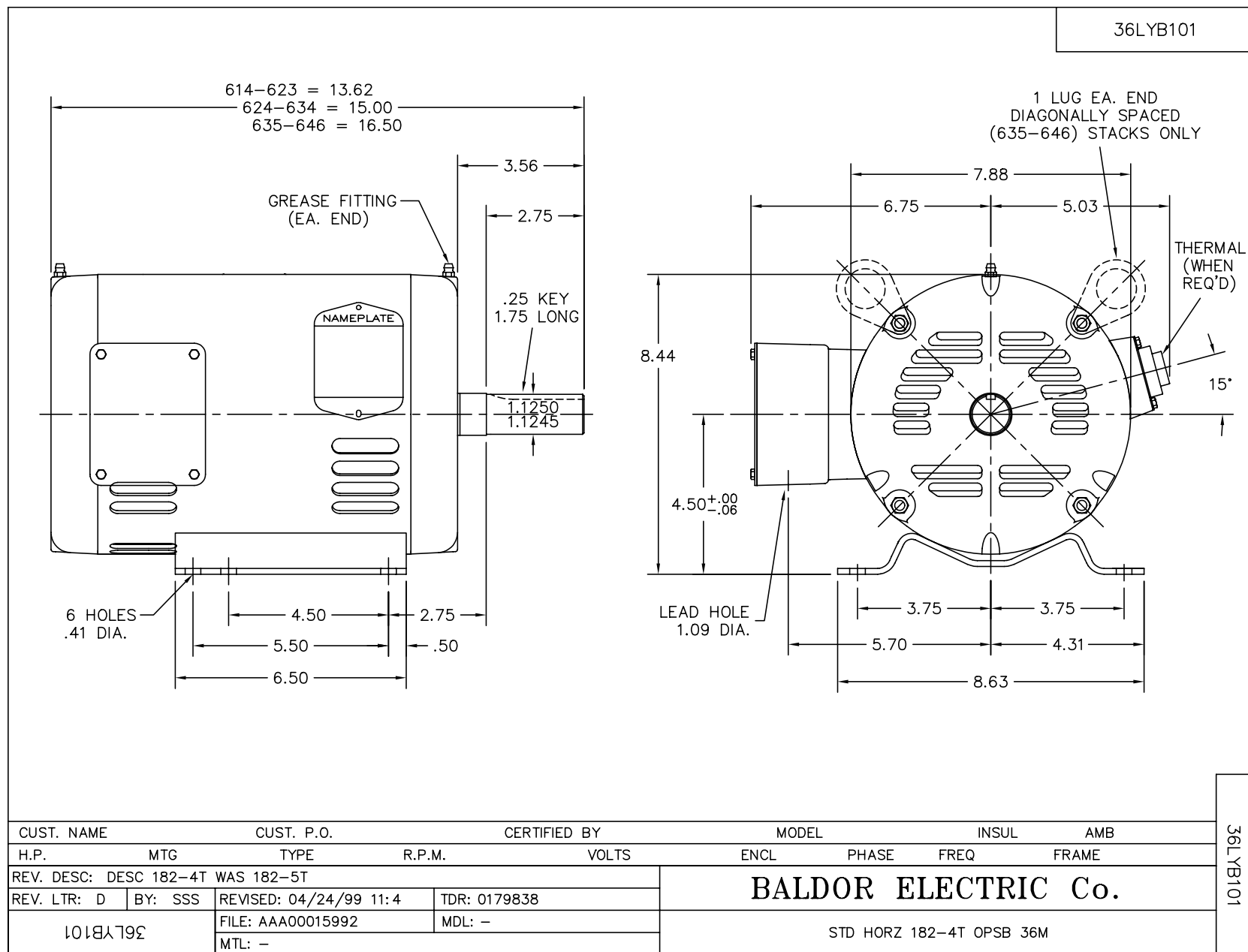
Load Characteristics 460 V, 60 Hz, 3 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	36	56	68	75	79	82	77
Efficiency	82.3	87.9	89	88.7	87.7	86.3	88.1
Speed	1786.7	1774.4	1761.1	1746.7	1731.5	1713.8	1738
Line amperes	2.5	2.93	3.54	4.25	5.08	5.99	4.75

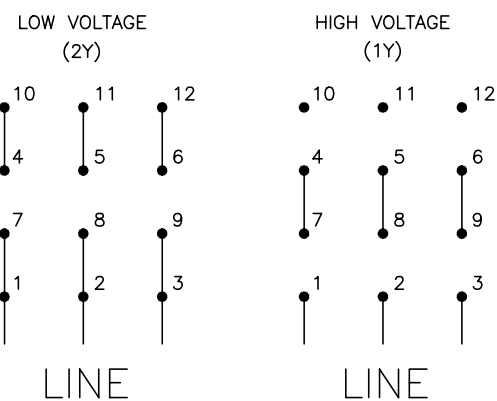
Performance Graph at 460V, 60Hz, 3.0HP Typical performance - Not guaranteed values



11/15/2017 ACPERF, record # 41081



CD0007



1. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
2. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY VARY.
3. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

REV. DESC: ADDED "CK" PLANT CODE			
REV. LTR: E	BY: EAH	REVISED: 05/06/99 17:1	TDR: 0181040
C00007		FILE: AAA00008370	MDL: -
		MTL: -	

BALDOR ELECTRIC Co.

3PH, DV, THERMAL, 12 LEADS