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Product Information Packet

36A11-94

2HP,1725RPM,3PH,60HZ,184,3620M,TEFC,F1

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Part Detail

Revision:	M	**Status:**	INA/A	**Change #:**		**Proprietary:**	No
Type:	AC	**Elec. Spec:**	36WG0094	**CD Diagram:**	CD0005	**Mfg Plant:**	
Mech. Spec:	36A011	**Layout:**	36LYA011	**Poles:**	04	**Created Date:**	
Base:	RG	**Eff. Date:**	03-20-2005	**Leads:**	9#16		

Specs

Enclosure:	TEFC	**Inverter Code:**	Not Inverter
Frame:	184	**KVA Code:**	H
Output @ Frequency:	2.000 HP @ 60 HZ	**Lifting Lugs:**	No Lifting Lugs
Synchronous Speed @ Frequency:	1800 RPM @ 60 HZ	**Locked Bearing Indicator:**	No Locked Bearing
Voltage @ Frequency:	208.0 V @ 60 HZ	**Motor Lead Quantity/Wire Size:**	9 @ 16 AWG
	230.0 V @ 60 HZ	**Motor Lead Exit:**	Ko Box
	460.0 V @ 60 HZ	**Motor Lead Termination:**	Flying Leads
XP Division:	Not Applicable	**Motor Type:**	3620M
Auxillary Box:	No Auxillary Box	**Mounting Arrangement:**	F1
Auxillary Box Lead Termination:	None	**Power Factor:**	85
Base Indicator:	Rigid	**Product Family:**	General Purpose
Bearing Grease Type:	Polyrex EM (-20F +300F)	**Pulley End Bearing Type:**	Ball
Blower:	None	**Pulley Face Code:**	Standard
Current @ Voltage:	3.000 A @ 460.0 V	**Pulley Shaft Indicator:**	Standard
	6.000 A @ 230.0 V	**Rodent Screen:**	None
	6.400 A @ 208.0 V	**Shaft Extension Location:**	Pulley End
Design Code:	B	**Shaft Ground Indicator:**	No Shaft Grounding
Drip Cover:	No Drip Cover	**Shaft Rotation:**	Reversible

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Duty Rating:	CONT	**Shaft Slinger Indicator:**	No Slinger
Electrically Isolated Bearing:	Not Electrically Isolated	**Speed Code:**	Single Speed
Feedback Device:	NO FEEDBACK	**Motor Standards:**	NEMA
Front Face Code:	Standard	**Starting Method:**	Direct on line
Front Shaft Indicator:	None	**Thermal Device - Bearing:**	None
Heater Indicator:	No Heater	**Thermal Device - Winding:**	None
Insulation Class:	B	**Vibration Sensor Indicator:**	No Vibration Sensor

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Nameplate NP1256L

CAT.NO.									
SPEC.	36A11-94								
HP	2								
VOLTS	208-230/460								
AMP	6.4-6/3								
RPM	1725								
FRAME	184		**HZ**	60			**PH**	3	
SER.F.	1.15	**CODE**	H	**DES**	B		**CLASS**	B	
NEMA-NOM-EFF	82.5	**PF**	85						
RATING	40C AMB-CONT								
CC						**USABLE AT 208V**	6.4		
DE	6206		**ODE**	6205					
ENCL	TEFC	**SN**							

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Parts List

Part Number	Description	Quantity
SA080329	SA 36A11-94	1.000 EA
RA073733	RA 36A11-94	1.000 EA
36CB3004	36 CB CASTING W/1.09 DIA LEAD HOLE @ 6:0	1.000 EA
36GS1000SP	GASKET-CONDUIT BOX, .06 THICK #SV-330 LE	1.000 EA
51XB1016A08	10-16X 1/2HXWSSLD SERTYB	2.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
HW3001B01	D3019 BRASS WASHER(STIMP)	1.000 EA
36EP3101A01SP	FR ENDPLATE, MACH	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
HW5100A05	WVY WSHR F/205 & 304 BRGS	1.000 EA
36EP3100A01SP	PUEP ASSEMBLY FOR ROUTING PURPOSES	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
XY2520A12	1/4-20 HEX NUT, DIRECTIONAL SERRATIONS	4.000 EA
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 EA
36FH4009A03SP	IEC FH , W/ PRIMER	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 EA
37CB4500SP	CONDUIT BOX LID, STAMPED X	1.000 EA
37GS1001SP	GASKET, CONDUIT BOX LID, .06 THICK LEXID	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 EA
HW2501D13	KEY, 3/16 SQ X 1.375	1.000 EA
HA7000A01	KEY RETAINER 7/8" DIA SHAFT	1.000 EA
10XF0440S02	04-40 X 1/8 TYPE F HEX HD STAINLESS STIC	2.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
36FN3000A01SP	EXFN, PLASTIC, 7.00 OD, .912 ID	1.000 EA

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Parts List (continued)

Part Number	Description	Quantity
MG1000G27	MED CHARCOAL METALLIC GREY 400-0096	0.022 GA
HA3101A23	THRUBOLT 1/4-20 X 9.625 DEMBY	4.000 EA
LB1172A01	CUSTOM MTR CARTON LABEL LASER PRINTER	1.000 EA
LC0005E01	CONN.DIA./WARNING LABEL (LC0005/LB1119N)	1.000 EA
NP1256L	ALUM UL CSA CC INDUSTRIAL MOTOR A60	1.000 EA
36PA1000	PKG GRP, PRINT PK1016A06	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1100/bx) 11/14	1.000 EA
LB1417	LABEL CARTON 6X4 PERFORATED BLANK ROLLS	1.000 EA

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AC Induction Motor Performance Data

Record # 10417 - Typical performance - not guaranteed values

Winding: 36WG0094-R001	**Type:** 3620M	**Enclosure:** TEFC

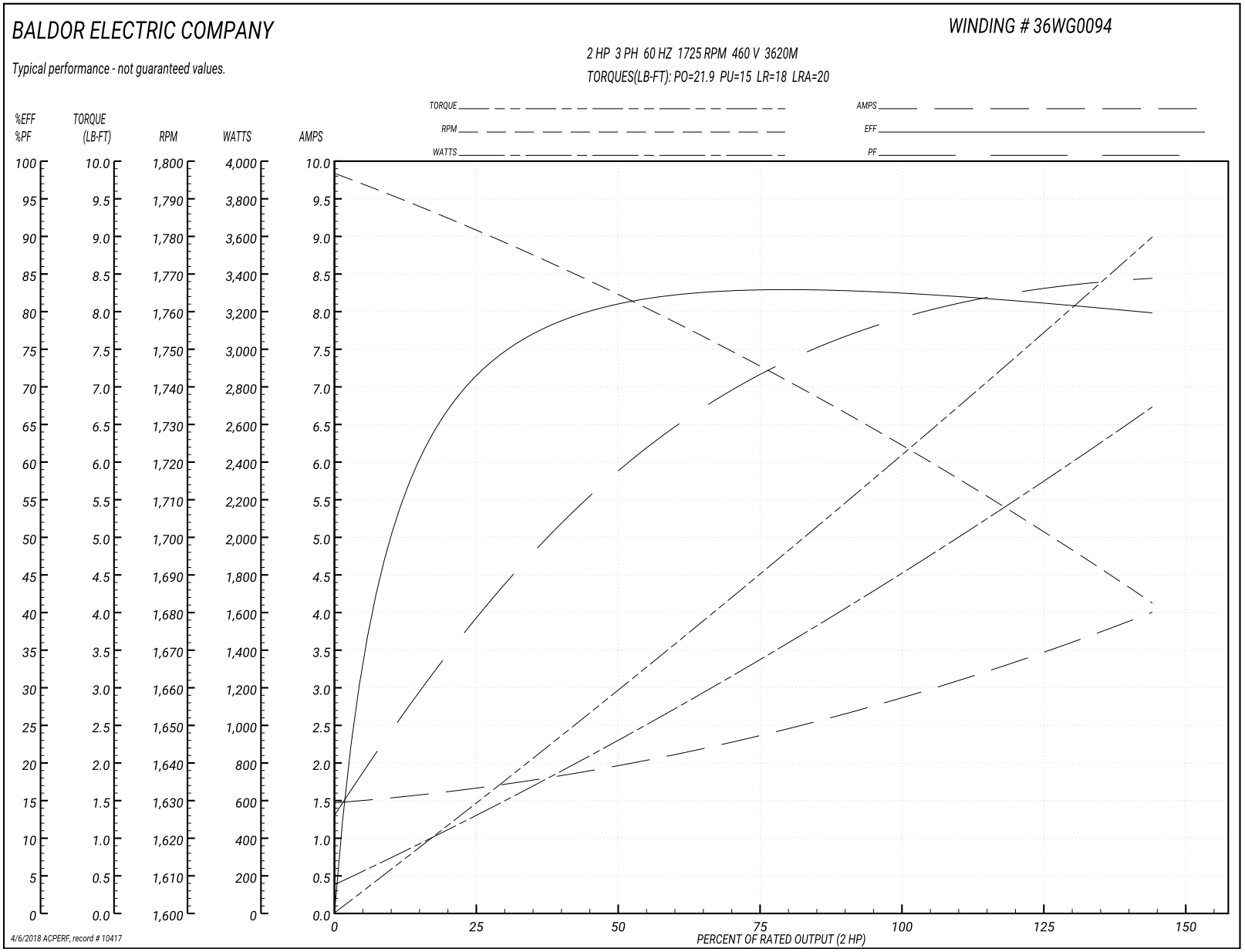
Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	2			Full Load Torque	6 LB-FT
Volts	208-230/460			Start Configuration	direct on line
Full Load Amps	6.4-6/3			Breakdown Torque	21.9 LB-FT
R.P.M.	1725			Pull-up Torque	15 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	18 LB-FT
NEMA Design Code	B	KVA Code	H	Starting Current	20 A
Service Factor (S.F.)	1.15			No-load Current	1.5 A
NEMA Nom. Eff.	82.5	Power Factor	85	Line-line Res. @ 25ºC	9.12 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	56°C
S.F. Amps				Temp. Rise @ S.F. Load	68°C
				Locked-rotor Power Factor	58
				Rotor inertia	0.188 LB-FT2

Load Characteristics 460 V, 60 Hz, 2 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	45	65	75	82	85	87	0
Efficiency	72.6	80.8	82.6	82.7	81.4	79.8	0
Speed	1780	1763	1746	1728	1704	1682	0
Line amperes	1.6	2	2.4	2.8	3.4	4	3.2

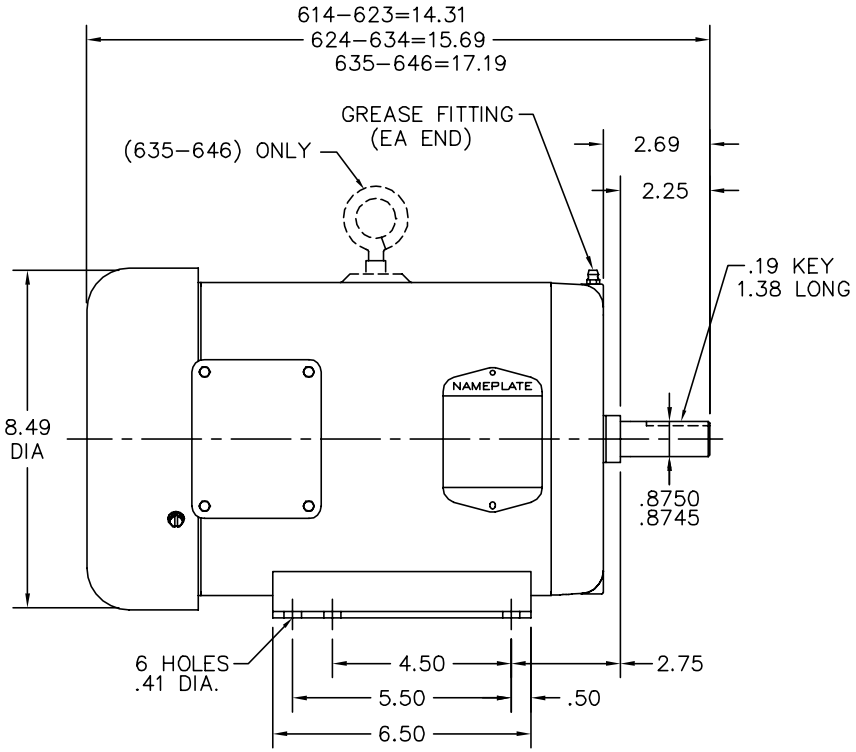
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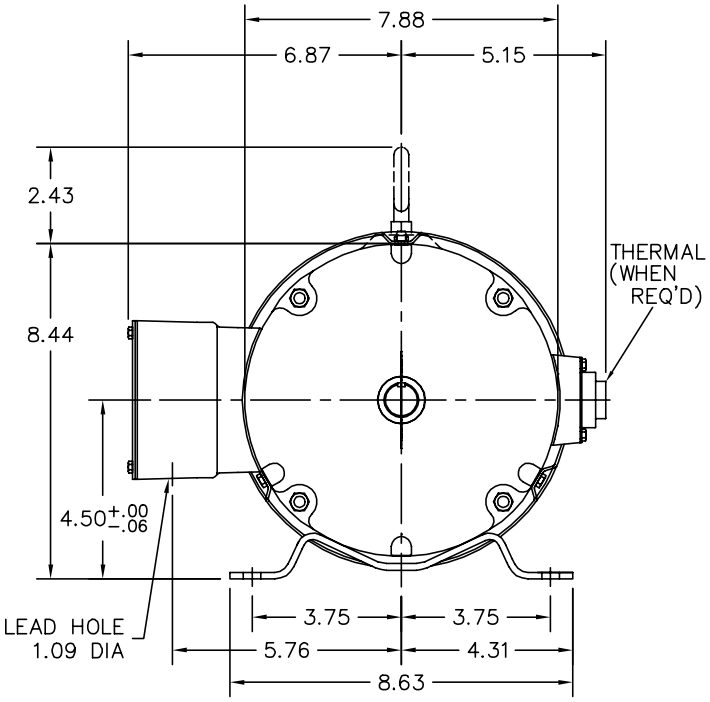
Performance Graph at 460V, 60Hz, 2.0HP Typical performance - Not guaranteed values



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36LYA011





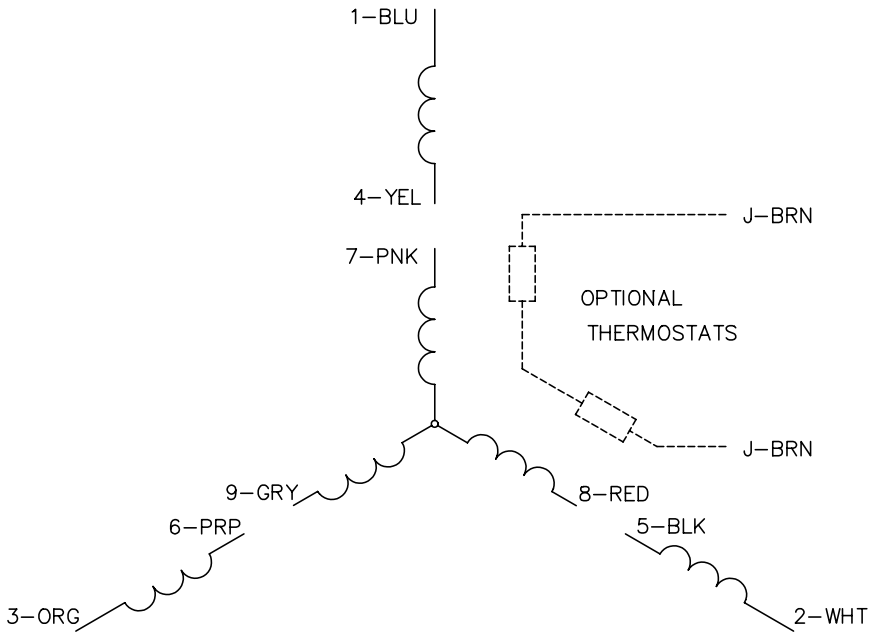
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT MOTOR PERFORMANCE IS SUITABLE IN THE APPLICATION.

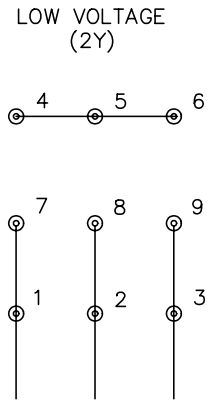
REV. DESC: FREEZE LINES SHOWING THROUGH CAPACITOR/KO BOX			BALDOR ELECTRIC Co.
REV. LTR: G	VERSION: 02	TDR: 000000384004	
36LYA011	FILE: \AAA\00003\190	REVISED: 11:16:40 12/22/2005	STD HORZ 182–4 TEFC 36M
	MTL: –	BY: ENCHRCO	

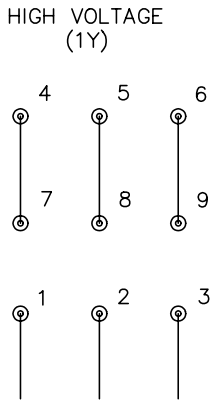
36LYA011

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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

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