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Product Information Packet

EM3614T

2HP,1170RPM,3PH,60HZ,184T,3644M,TEFC,F1

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Part Detail							
Revision:	J	**Status:**	PRD/A	**Change #:**		**Proprietary:**	No
Type:	AC	**Prod. Type:**	3644M	**Elec. Spec:**	36WGS917	**CD Diagram:**	CD0005
Enclosure:	TEFC	**Mfg Plant:**		**Mech. Spec:**	36G271	**Layout:**	36LYG271
Frame:	184T	**Mounting:**	F1	**Poles:**	06	**Created Date:**	04-17-2012
Base:	RG	**Rotation:**	R	**Insulation:**	F	**Eff. Date:**	10-16-2015
Leads:	9#16					**Replaced By:**	
Literature:		**Elec. Diagram:**					

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Nameplate NP3441LUA

CAT.NO.	EM3614T								
SPEC.	36G271S917G1								
HP	2								
VOLTS	230/460								
AMP	7/3.5								
RPM	1175								
FRAME	184T	**HZ**	60	**PH**	3				
SER.F.	1.15	**CODE**	M	**DES**	A	**CL**	F		
NEMA-NOM-EFF	88.5	**PF**	60						
RATING	40C AMB-CONT								
CC	010A	**USABLE AT 208V**	7						
DE	6206	**ODE**	6205						
ENCL	TEFC	**SN**							
VPWM INVERTER READY									
CT6-60H(10:1)VT3-60H(20:1									
	50Hz 2HP 190/380V 7.8/3.9A								SF1.0

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Parts List

Part Number	Description	Quantity
SA242781	SA 36G271S917G1	1.000 EA
RA229684	RA 36G271S917G1	1.000 EA
36FN3000B01	EXFN, PLASTIC, 6.00 OD, .912 ID	1.000 EA
36CB3004	36 CB CASTING W/1.09 DIA LEAD HOLE @ 6:0	1.000 EA
36GS1000	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
36FE3104A01	FREP MACH ASSEMBLY FOR ROUTING	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
36FH4009A102	IEC FH GREASER PRIMED	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 EA
36CB4516	36 LIPPED CB LID	1.000 EA
37GS1001	GASKET, CONDUIT BOX LID, .06 THICK LEXID	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 EA
HW2501E16	3KEY, 1/4 SQ X 1.750	1.000 EA
HA7000A02	KEY RETAINER RING, 1 1/8 DIA, 1 3/8 DIA	1.000 EA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
HW3200A01	3/8-16X3/4 I-BLT WELDED F/S	1.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 EA

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Parts List (continued)

Part Number	Description	Quantity
LB1115N	LABEL,LIFTING DEVICE (ON ROLLS)	1.000 EA
HA3101A28	THRUBOLT 1/4-20 X 12.500 OHIO ROD	4.000 EA
MG1000Y03	MUNSELL 2.53Y 6.70/ 4.60, GLOSS 20,	0.022 GA
LC0005E01	CONN.DIA./WARNING LABEL (LC0005/LB1119N)	1.000 EA
NP3441LUA	ALUM SUPER-E VPWM INV READY UL	1.000 EA
G0PA1000	PKG GRP, PRINT PK1026A06	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 11/14	1.000 EA

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AC Induction Motor Performance Data

Record # 53367 - Typical performance - not guaranteed values

Winding: 36WGS917-R019	**Type:** 3644M	**Enclosure:** TEFC

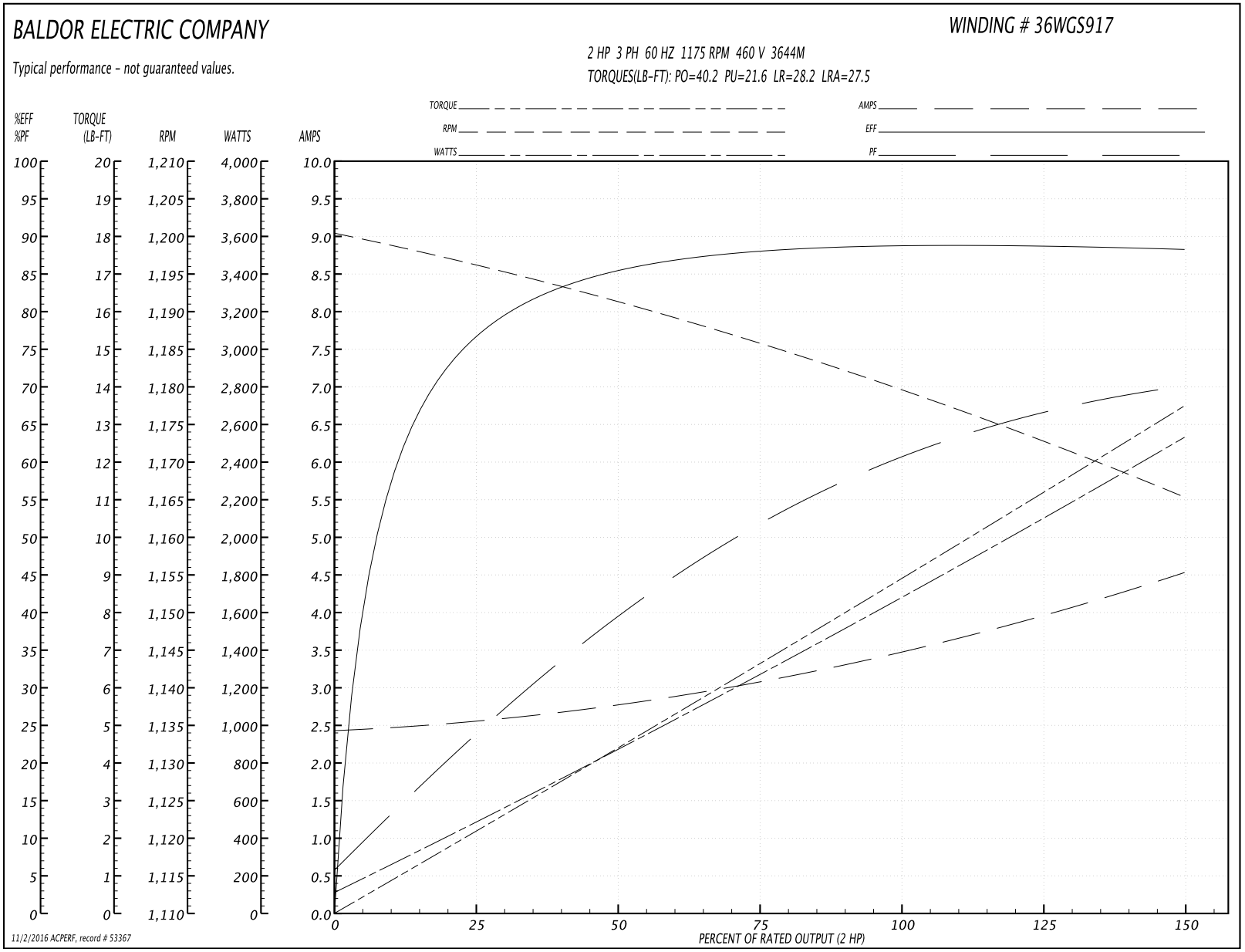
Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	2			Full Load Torque	8.91 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	7/3.5			Breakdown Torque	40.2 LB-FT
R.P.M.	1175			Pull-up Torque	21.6 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	28.2 LB-FT
NEMA Design Code	A	KVA Code	M	Starting Current	27.5 A
Service Factor (S.F.)	1.15			No-load Current	2.45 A
NEMA Nom. Eff.	88.5	Power Factor	60	Line-line Res. @ 25ºC	4.2188 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	34°C
S.F. Amps				Temp. Rise @ S.F. Load	39°C

Load Characteristics 460 V, 60 Hz, 2 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	24	40	52	60	66	70	64
Efficiency	76.4	85.3	88	88.9	88.8	88.4	88.8
Speed	1196.9	1191.4	1185.5	1179.4	1172.7	1165.5	1175
Line amperes	2.53	2.76	3.09	3.49	3.97	4.52	3.78

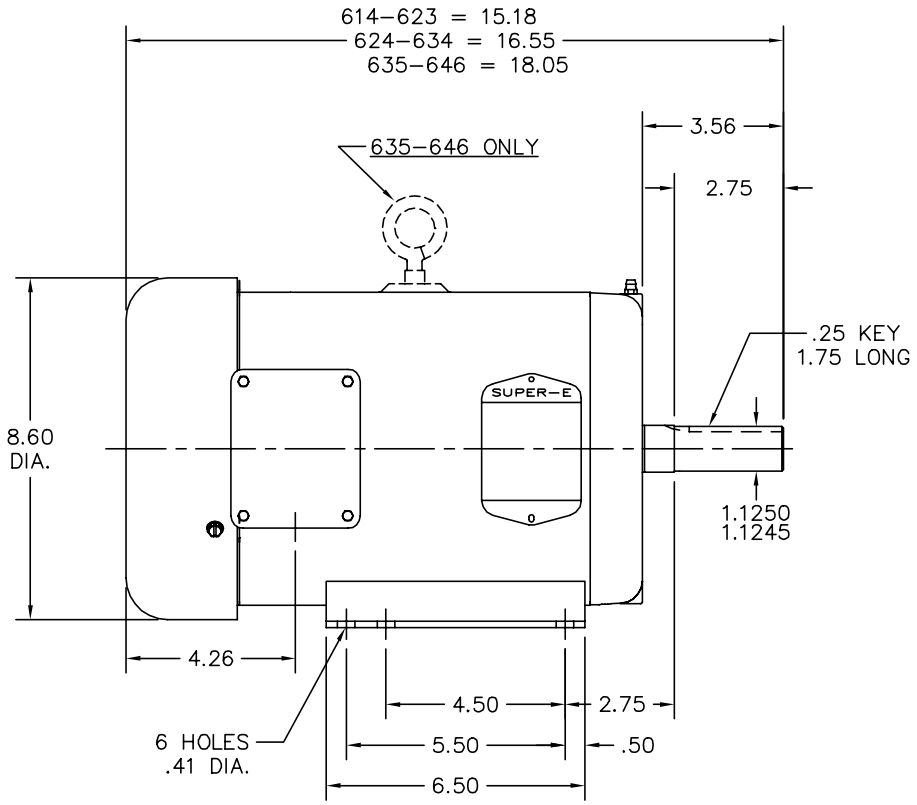
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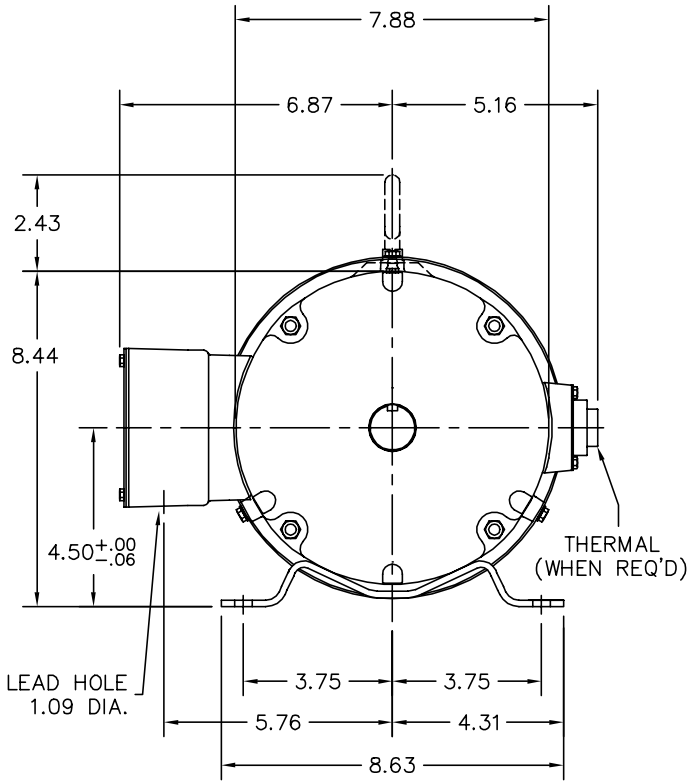
Performance Graph at 460V, 60Hz, 2.0HP Typical performance - Not guaranteed values



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36LYG271





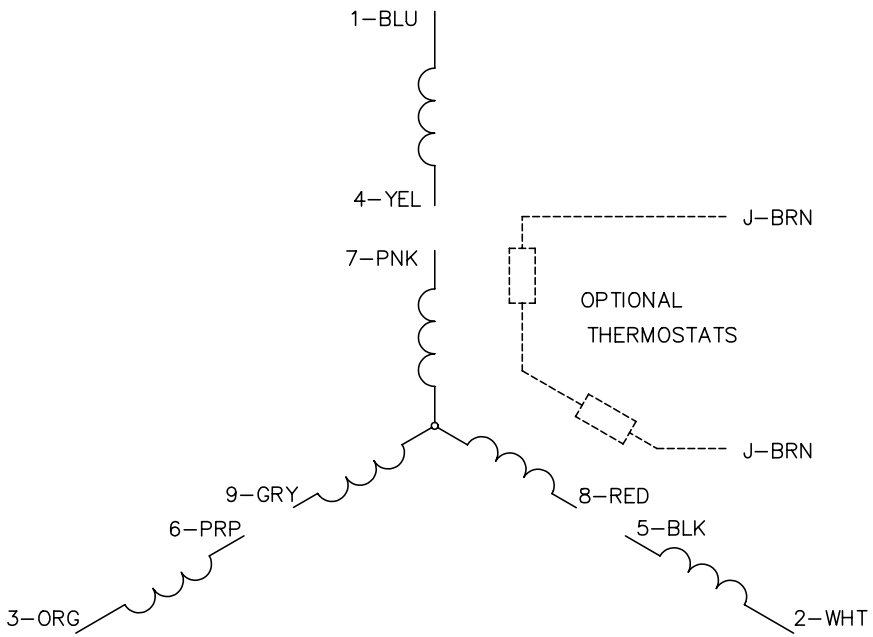
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT MOTOR PERFORMANCE IS SUITABLE IN THE APPLICATION.

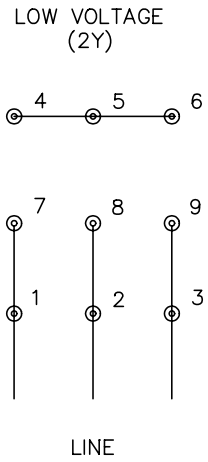
REV. DESC: FREEZE LINES SHOWING THROUGH CAPACITOR/KO BOX			BALDOR ELECTRIC Co.
REV. LTR: H	VERSION: 04	TDR: 000000384004	
36LYG271	FILE: \AAA\00003\771	REVISED: 16:52:27 12/22/2005	STD HORZ 182–4T TEFC 36M SUPER–E
	MTL: –	BY: ENCHRCO	

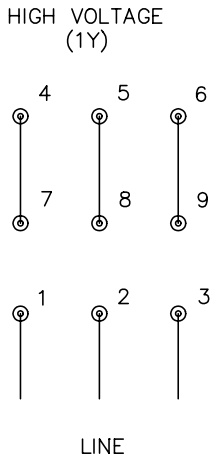
36LYG271

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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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