

# **BALDOR® • RELIANCE**

## **Product Information Packet**

# **EM7041T**

**2//1.5HP,1175//975RPM,3PH,60//50HZ,184T**

Part Detail							
Revision:	E	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3644M	Elec. Spec:	36WGS917	CD Diagram:	CD0005
Enclosure:	XPFC	Mfg Plant:		Mech. Spec:	36N004	Layout:	36LYN004
Frame:	184T	Mounting:	F1	Poles:	06	Created Date:	06-04-2012
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	08-06-2015
Leads:	9#16					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1426XPSLEV	
NO.	[ ] CC 010A
SER.	[ ]
SPEC.	36N004S917G1
CAT.NO.	EM7041T
HP	2//1.5 T. CODE T3C
VOLTS	230/460//190/380
AMPS	7/3.5//6.6/3.3
RPM	1175//975
HZ	60//50 PH 3 CL F
SER.F.	1.00 DES A CODE M
RATING	40C AMB-CONT
FRAME	184T NEMA-NOM-EFF 88.5
USABLE AT 208V	7 PF 60
BLANK	[ ]

Parts List		
Part Number	Description	Quantity
SA246216	SA 36N004S917G1	1.000 EA
RA233102	RA 36N004S917G1	1.000 EA
36FN3000B01	EXFN, PLASTIC, 6.00 OD, .912 ID	1.000 EA
35CB3001A02SP	EXPL PROOF CONDUIT BOX, 3/4"PIPE TAP LEA	1.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
HW3001B01	BRASS CUP WASHER, FOR #8 SCREW	1.000 EA
36EP3700A01	FR ENDPLATE, MACH	1.000 EA
HW4500A19	1/4-28X1/4 SLOTTED PLUG F/S	2.000 EA
HW5100A05	WVY WSHR F/205 & 304 BRGS	1.000 EA
36EP3701A01	PU ENDPLATE, MACH	1.000 EA
HW4500A19	1/4-28X1/4 SLOTTED PLUG F/S	2.000 EA
XY3816A12	3/8-16 FINISHED NUT	4.000 EA
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 EA
36FH4009A02	FAN COVER FOR VM7042T,PRIMER	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 EA
35CB3500A01SP	CONDUIT BOX LID, MACH	1.000 EA
51XN2520A16	SCREW, HEX WS SLT, ZN, 1/4-20 X 1.00	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	6.000 EA
NP0018F	ALUM UL XP CONDUIT BOX NAMEPLATE	1.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
MG1025G29	WILKOFASST, 789.229, DARK CHARCOAL GRAY	0.022 GA
HA3105A09	THRUBOLT 3/8-16 X 12.000	4.000 EA

<b>Parts List (continued)</b>		
<b>Part Number</b>	<b>Description</b>	<b>Quantity</b>
LB1119N	WARNING LABEL	1.000 EA
LC0145B01	CONNECTION LABEL	1.000 EA
NP1426XPSLEV	SS XP UL CSA-EEV CC CL-I GP-D	1.000 EA
36PA1001	PKG GRP, PRINT PK1017A06	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1000/bx) 11/14	1.000 EA

**AC Induction Motor Performance Data**

Record # 38671 - Typical performance - not guaranteed values

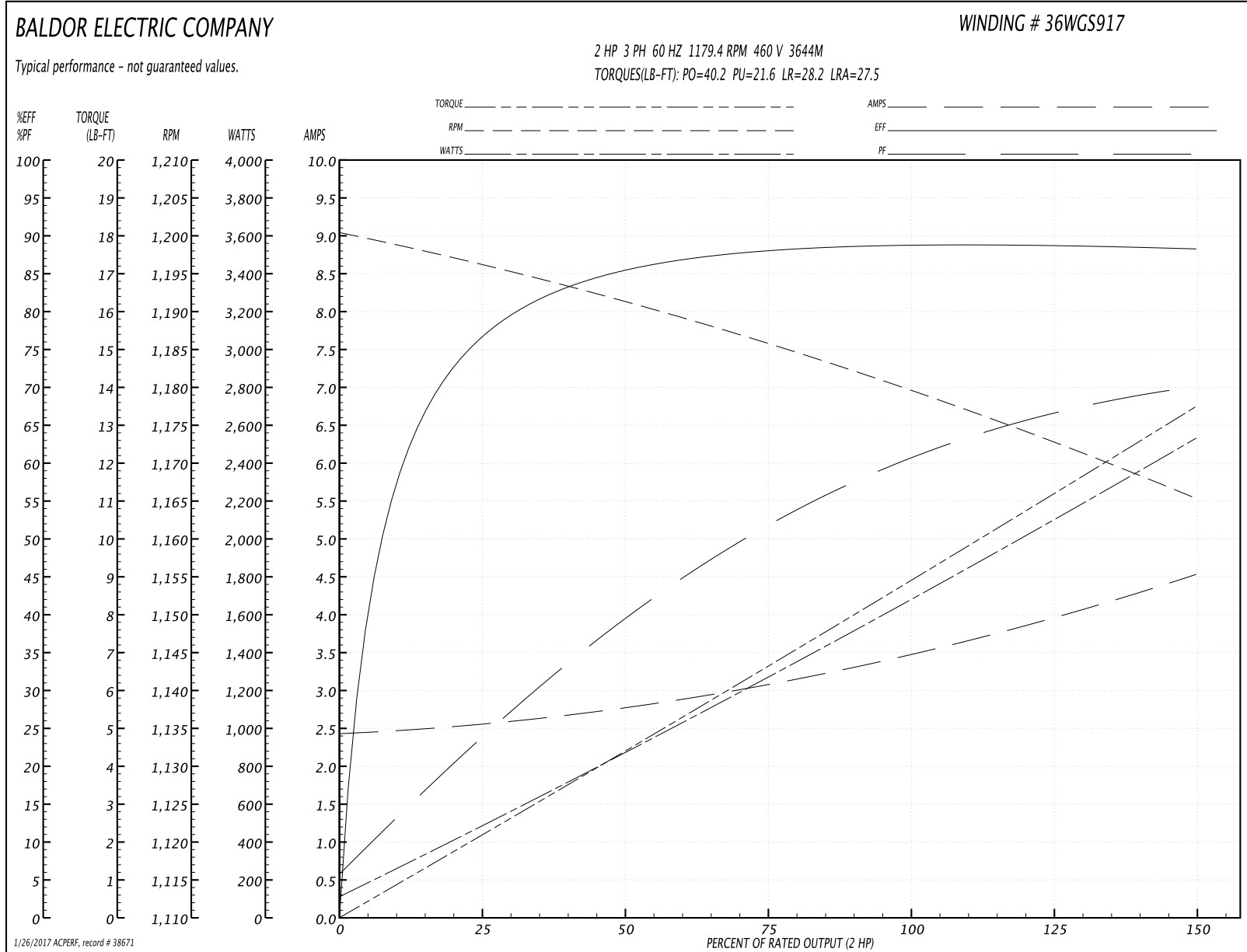
<b>Winding:</b> 36WGS917-R002	<b>Type:</b> 3644M	<b>Enclosure:</b> XPFC
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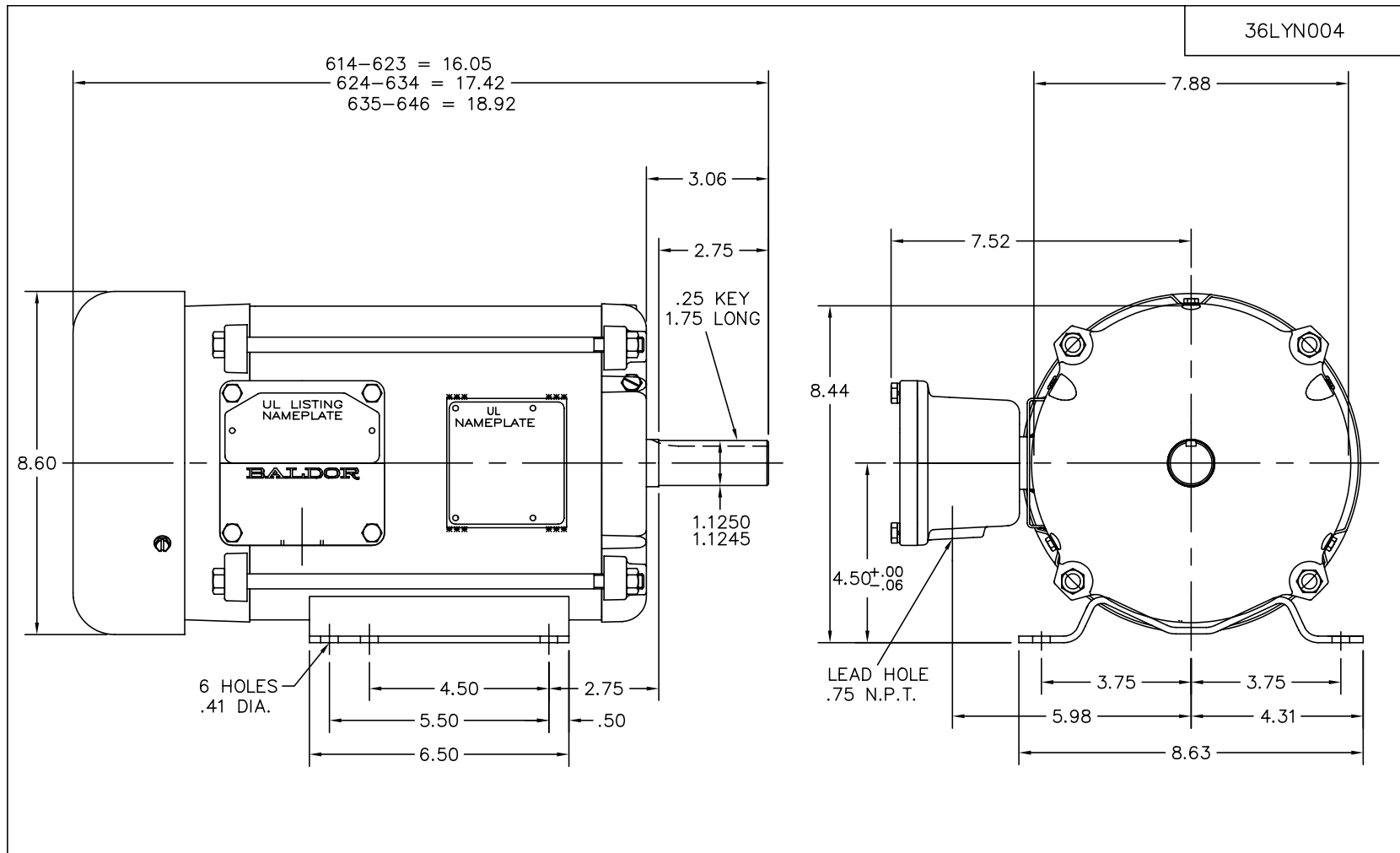
Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	2//1.5			Full Load Torque	8.91 LB-FT
Volts	230/460//190/380			Start Configuration	direct on line
Full Load Amps	7/3.5//6.6/3.3			Breakdown Torque	40.2 LB-FT
R.P.M.	1175//975			Pull-up Torque	21.6 LB-FT
Hz	60//50	Phase	3	Locked-rotor Torque	28.2 LB-FT
NEMA Design Code	A	KVA Code	M	Starting Current	27.5 A
Service Factor (S.F.)	1			No-load Current	2.45 A
NEMA Nom. Eff.	88.5	Power Factor	60	Line-line Res. @ 25°C	4.2188 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	34°C

Load Characteristics 460 V, 60 Hz, 2 HP

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

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





36LYN004

UL CLASS I - GROUP D - CLASS II - GROUPS F & G

CUST. NAME		CUST. P.O.		CERTIFIED BY		MODEL		INSUL		AMB							
H.P.		MTG		TYPE		R.P.M.		VOLTS		ENCL		PHASE		FREQ		FRAME	
REV. DESC: CHG'D FAN HOUSING TO 36FH4009A02												<b>BALDOR ELECTRIC Co.</b>					
REV. LTR: F		BY: JED		REVISED: 06/05/99 10:52				TDR: 0183314									
400NΛ79Σ				FILE: AAA00004620				MDL: -									
MTL: -												HORZ 182-4T TEFC X36M CL I-GP D-CL II-GP F&G					

36LYN004

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
90000		FILE: AAA00005140	MDL: -
		MTL: -	

**BALDOR ELECTRIC Co.**

3PH, DV, 9 LEADS

CD0005