

# **BALDOR® • RELIANCE**

**Product Information Packet**

**ELECTRIC MOTOR WHOLESAL.COM**

**EM7042T**

**3//2HP,1760//1460RPM,3PH,60//50HZ,182T,3**

Part Detail							
Revision:	-	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3631M	Elec. Spec:	36WGS266	CD Diagram:	
Enclosure:	XPFC	Mfg Plant:		Mech. Spec:	36N004	Layout:	
Frame:	182T	Mounting:	F1	Poles:	04	Created Date:	09-30-2010
Base:	RG	Rotation:	R	Insulation:	B	Eff. Date:	10-13-2010
Leads:	9#16	Literature:		Elec. Diagram:		Replaced By:	
Nameplate NP1426XP							
NO.		CC				010A	
SER.							
SPEC.	36N004S266G1						
CAT.NO.	EM7042T						
HP	3//2	T. CODE	T3C				
VOLTS	230/460//190/380						
AMPS	8.4/4.2//7.2/3.6						
RPM	1760//1460						
HZ	60//50	PH	3	CL	B		
SER.F.	1.00	DES	B	CODE	K		
RATING	40C AMB-CONT						
FRAME	182T	NEMA-NOM-EFF	89.5	PF	75		
USABLE AT 208V	9						

Parts List		
Part Number	Description	Quantity
SA204266	SA 36N004S266G1	1.000 EA
RA191518	RA 36N004S266G1	1.000 EA
36FN3000C01SP	EXFN, PLASTIC, 5.25 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	003SS 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	IEC FH NO GREASER, W/ AUTOPHERETIC PRIME	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	KEY, 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
NP0018	NP- XP CONDUIT BOX DO NOT MAKE SELLABLE	1.000 EA
MJ1000A75	GREASE, POLYREX EM EXXON	0.050 LB
MG1025Z20	ACTIVATOR WILKOFAS 060.32	0.010 GA
MG1025G29	PAINT 789.205 DARK GRAY METALLIC (USE W/	0.022 GA

Parts List (continued)		
Part Number	Description	Quantity
HA3105A06	THRUBOLT- 3/8-16 X 10.500 X	4.000 EA
LB1119	WARNING LABEL	1.000 EA
LB1125C02	SUPER-E (STOCK CTN LABEL SUPER-E WITH FL	1.000 EA
LC0145B01	CONNECTION LABEL	1.000 EA
LB1357	ENERGY GUIDE LABEL (BOX LABEL)	1.000 SH
NP1426XP	UL/CSA, CLI GP-D,CLII GP-F&G,CC	1.000 EA
36PA1001	PACKAGING GROUP	1.000 EA

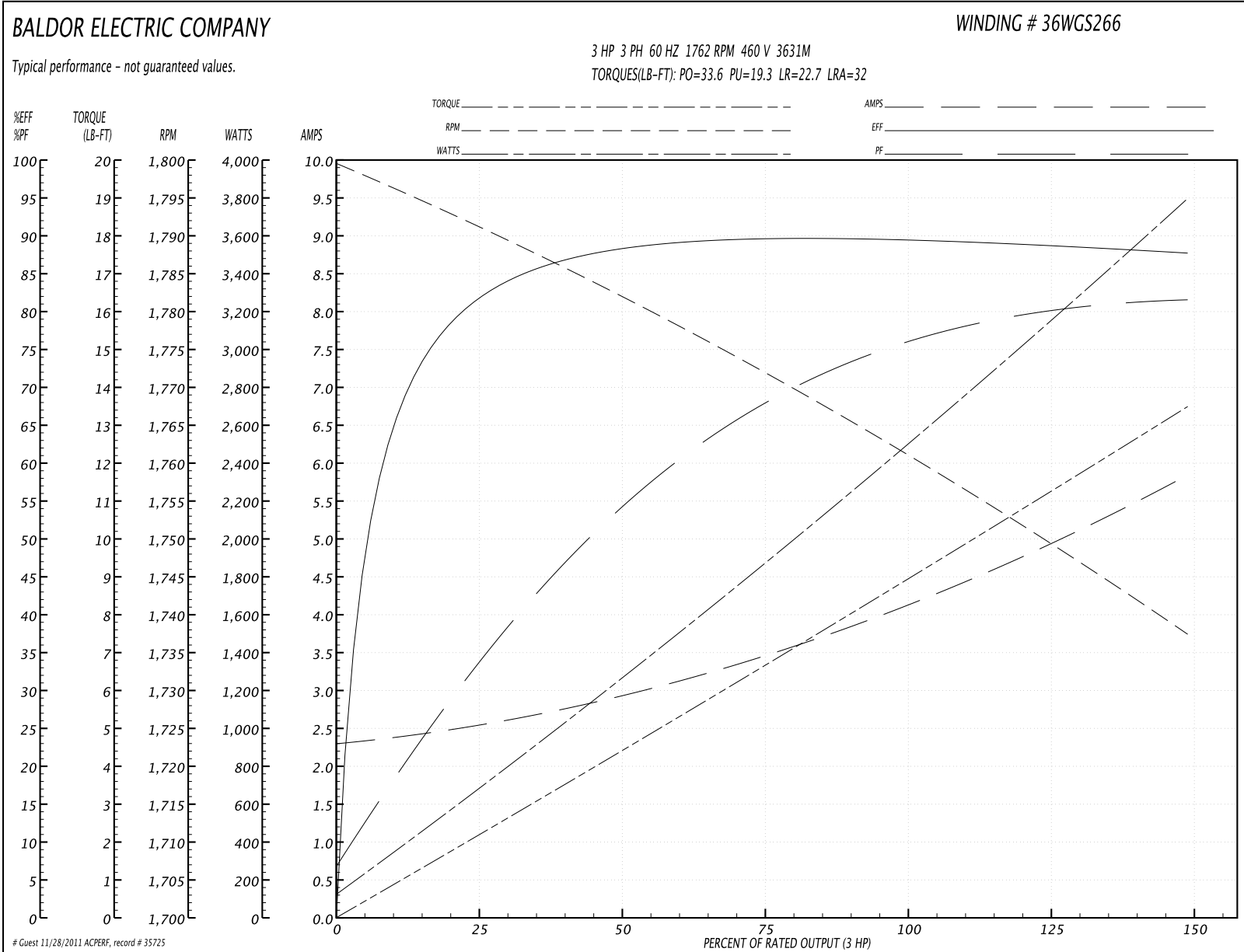
**Performance Data at 460V, 60Hz, 3.0HP (Typical performance - Not guaranteed values)**
**General Characteristics**

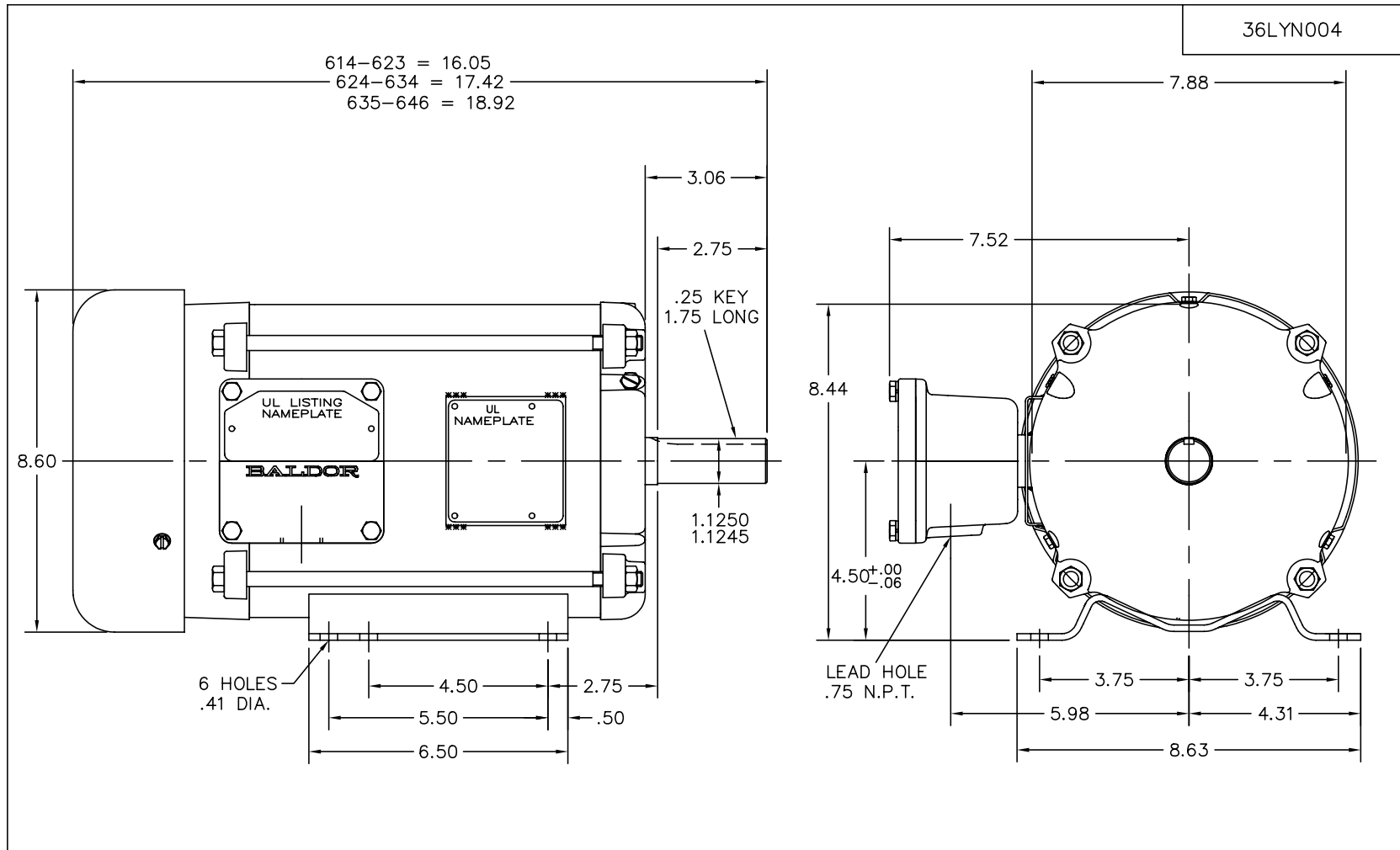
<b>Full Load Torque:</b>	8.88 LB-FT	<b>Start Configuration:</b>	DOL
<b>No-Load Current:</b>	2.33 Amps	<b>Break-Down Torque:</b>	33.6 LB-FT
<b>Line-line Res. @ 25°C.:</b>	3.83 Ohms A Ph / 0.0 Ohms B Ph	<b>Pull-Up Torque:</b>	19.3 LB-FT
<b>Temp. Rise @ Rated Load:</b>	40 C	<b>Locked-Rotor Torque:</b>	22.7 LB-FT
<b>Temp. Rise @ S.F. Load:</b>	48 C	<b>Starting Current:</b>	32.0 Amps

**Load Characteristics**

<b>% of Rated Load</b>	<b>25</b>	<b>50</b>	<b>75</b>	<b>100</b>	<b>125</b>	<b>150</b>	<b>S.F.</b>
<b>Power Factor:</b>	34.0	55.0	68.0	75.0	79.0	82.0	0.0
<b>Efficiency:</b>	80.8	87.8	89.6	89.7	88.9	87.6	0.0
<b>Speed:</b>	1791.0	1782.0	1772.0	1762.0	1750.0	1737.0	0.0
<b>Line Amperes:</b>	2.5	2.89	3.43	4.15	4.95	5.81	0.0

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



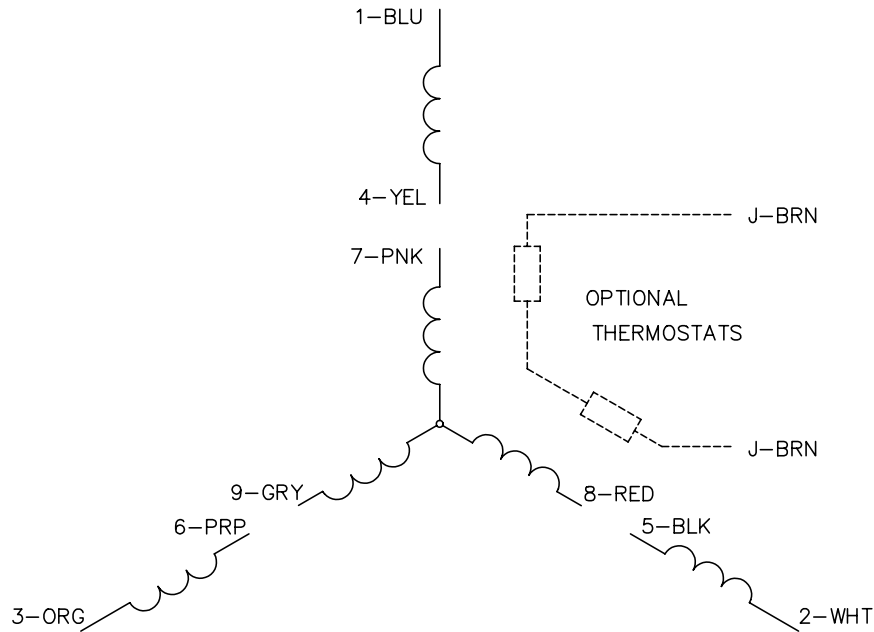


UL CLASS I - GROUP D - CLASS II - GROUPS F & G

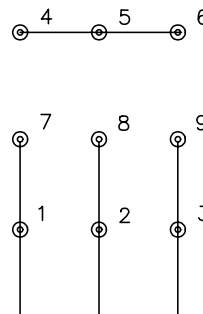
CUST. NAME		CUST. P.O.		CERTIFIED BY		MODEL		INSUL		AMB			
H.P.		MTG		TYPE		R.P.M.		VOLTS		ENCL			
PHASE		FREQ		FRAME		<p><b>BALDOR ELECTRIC Co.</b></p> <p>HORZ 182-4T TEFC X36M CL I-GP D-CL II-GP F&amp;G</p>							
REV. LTR: F		BY: JED		REVISED: 06/05/99 10:52								TDR: 0183314	
FILE: AAA00004620		MDL: -											
Mtl: -													

36LYN004

CD0005

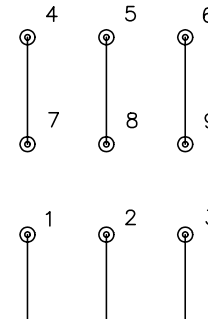


LOW VOLTAGE  
(2Y)



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
9000D		FILE: AAA00005140	MDL: -
		MTL: -	

**BALDOR ELECTRIC Co.**

3PH, DV, 9 LEADS

CD0005