

# **BALDOR**® • *RELIANCE*

## Product Information Packet

# **EJMM3616T**

**7.5HP,3450RPM,3PH,60HZ,184JM,3646M,TEFC**

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Part Detail							
Revision:	-	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3646M	Elec. Spec:	36WGS428	CD Diagram:	
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	36H017	Layout:	
Frame:	184JM	Mounting:	F1	Poles:	02	Created Date:	11-12-2011
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	11-21-2011
Leads:	9#16	Literature:		Elec. Diagram:		Replaced By:	

Nameplate NP1259L							
CAT.NO.	EJMM3616T						
SPEC.	36H017S428G3						
HP	7.5						
VOLTS	208-230/460						
AMP	18.5-16.8/8.4						
RPM	3450						
FRAME	184JM	HZ	60	PH	3		
SER.F.	1.15	CODE	L	DES	A	CL	F
NEMA-NOM-EFF	89.5	PF	93				
RATING	40C AMB-CONT						
CC	010A	USABLE AT 208V	18.5				
DE	6207	ODE	6205				
ENCL	TEFC	SN					
	SFA 21-19.4/9.7						

Parts List		
Part Number	Description	Quantity
SA234437	SA 36H017S428G3	1.000 EA
RA221410	RA 36H017S428G3	1.000 EA
S/P107-000-001	SUPER E PROC'S-FS & WS PLTS-POLYREX EM G	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	003SS CUP WASHER, FOR #8 SCREW	1.000 EA
36EP3104A04	FR ENDPLATE, MACH	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
HW4500A17	317400 ALEMITE GREASE RELIEF	1.000 EA
HW5100A05	WVY WSHR F/205 & 304 BRGS	1.000 EA
36EP3405T03	PUEP ENCL 207 BRG T'SLV,GRSR,REL,DRAIN	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
HW4500A17	317400 ALEMITE GREASE RELIEF	1.000 EA
10XN2520A24	1/4-20X 1 1/2 HEX HD X	4.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	4.000 EA
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 EA
36FH4009A103	IEC FH GREASER W/AUTOPHERETIC PRIMER	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
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
HA1005A07SP	SLINGER, OD 2.25, ID 1.344, 307 BRG	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
HW2501D13SP	KEY, 3/16 SQ X 1.375	1.000 EA
HA7000A01	KEY RETAINER 7/8" DIA SHAFT	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
MJ1000A75	GREASE, POLYREX EM EXXON	0.050 LB
MG1000Y03	WILKO 689.710 GOLD PAINT SUPER E	0.022 GA
LB1115	LABEL,LIFTING DEVICE	1.000 EA
36FN3000C01SP	EXFN, PLASTIC, 5.25 OD, .912 ID	1.000 EA
HA3101A28	THRUBOLT 1/4-20 X 12.500 OHIO ROD	4.000 EA
LC0005E01	CONN.DIA./WARNING LABEL (LC0005/LB1119)	1.000 EA
LB1125C02	SUPER-E (STOCK CTN LABEL SUPER-E WITH FL	1.000 EA
LB1357	ENERGY GUIDE LABEL (BOX LABEL)	1.000 SH
NP1259L	ALUM SUPER-E UL CSA-EEV CC NEMA PREMIUM	1.000 EA
36PA1001	PACKAGING GROUP	1.000 EA

**Performance Data at 460V, 60Hz, 7.5HP (Typical performance - Not guaranteed values)**

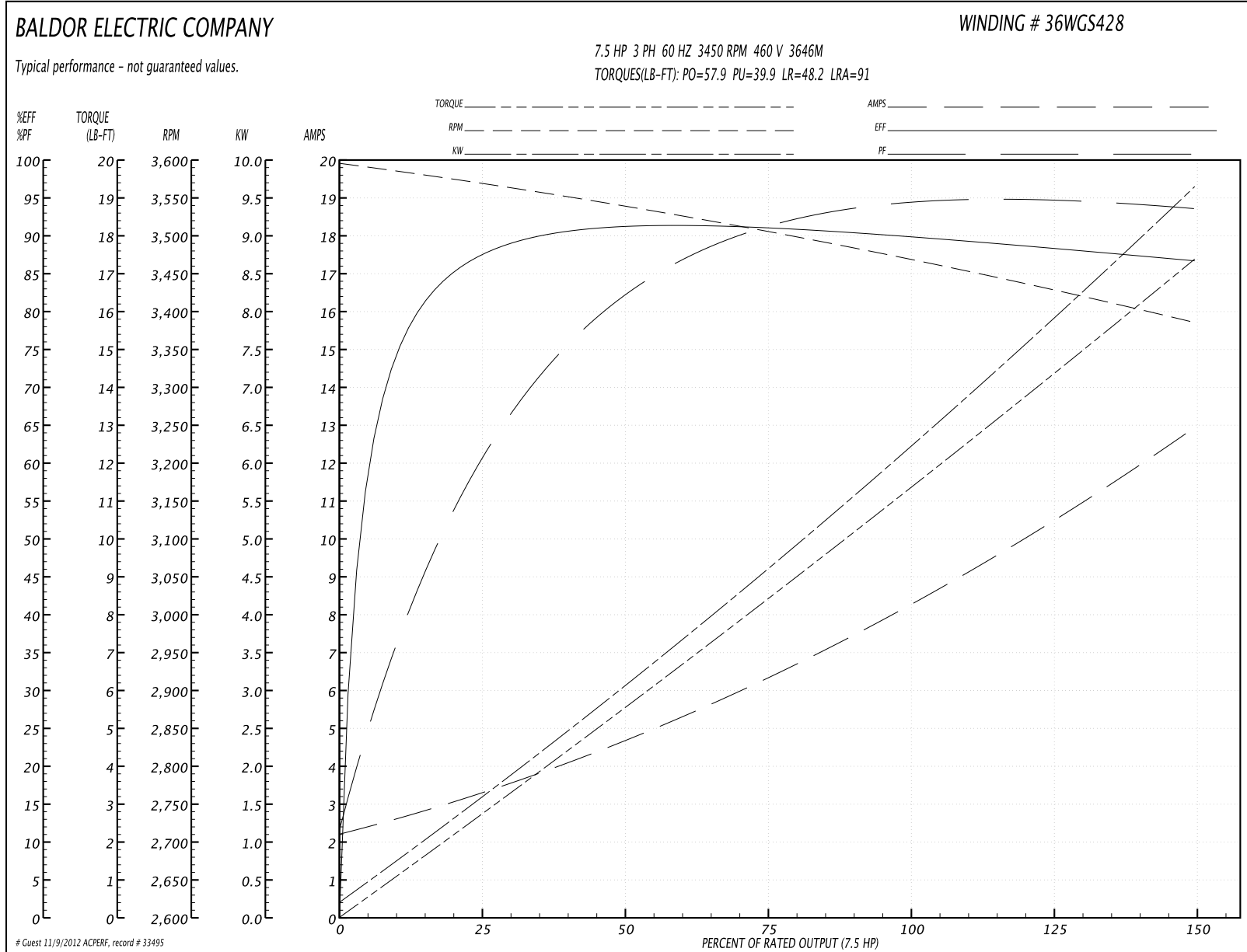
**General Characteristics**

<b>Full Load Torque:</b>	11.4 LB-FT	<b>Start Configuration:</b>	DOL
<b>No-Load Current:</b>	2.33 Amps	<b>Break-Down Torque:</b>	57.9 LB-FT
<b>Line-line Res. @ 25°C.:</b>	1.4623 Ohms A Ph / 0.0 Ohms B Ph	<b>Pull-Up Torque:</b>	39.9 LB-FT
<b>Temp. Rise @ Rated Load:</b>	74 C	<b>Locked-Rotor Torque:</b>	48.2 LB-FT
<b>Temp. Rise @ S.F. Load:</b>	93 C	<b>Starting Current:</b>	91.0 Amps

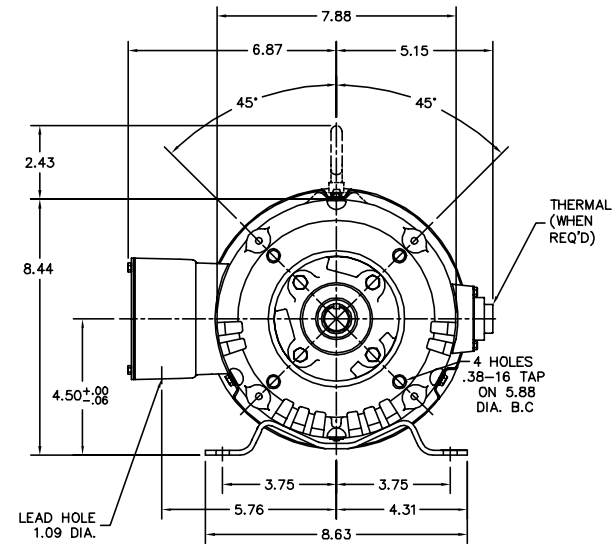
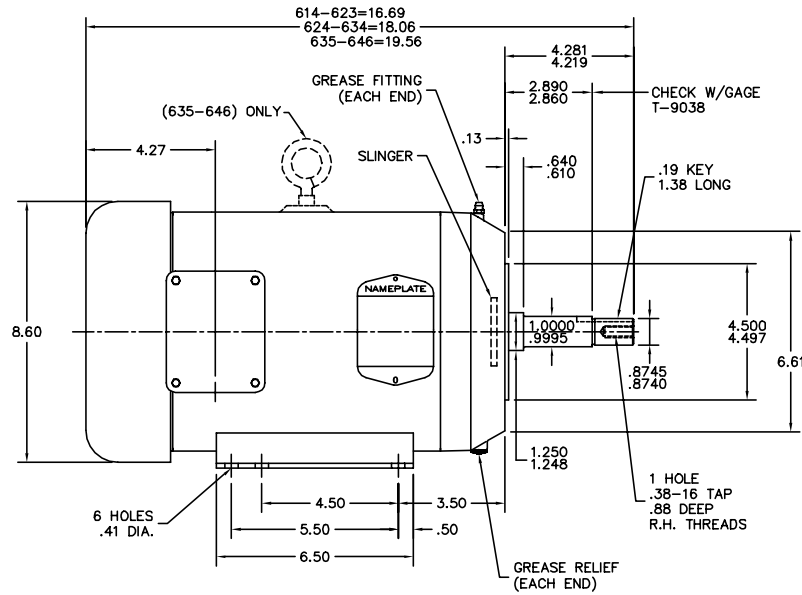
**Load Characteristics**

<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>	64.0	85.0	90.0	93.0	94.0	94.0	94.0
<b>Efficiency:</b>	86.7	90.6	90.7	89.8	88.5	86.6	89.0
<b>Speed:</b>	3570.6	3538.5	3504.6	3468.0	3429.0	3385.1	3445.0
<b>Line Amperes:</b>	3.14	4.59	6.43	8.43	10.5	12.9	9.67

Performance Graph at 460V, 60Hz, 7.5HP Typical performance - Not guaranteed values



36LYH017



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

REV. DESC: ADDED KOBX LEAD HOLE DIM			
REV. LTR: M	BY: RMP	REVISED: 07:25:39 09/09/2004	TDR: 342770
FILE: AAA00004174		REF: 36LYH017	
MTL: -			

**BALDOR ELECTRIC Co.**

STD HORZ 182-4JM TEFC 36M

36LYH017

CD0005

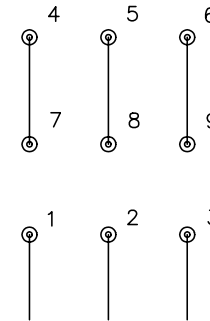


LOW VOLTAGE  
(2Y)



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: -	

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3PH, DV, 9 LEADS

CD0005