



# **BALDOR® • RELIANCE**

**Product Information Packet**  
**DEALERS IND EQPT LLC**

**M3311T**

**7.5HP, 1745RPM, 3PH, 60HZ, 213T, 3643M, OPSB**

Part Detail							
Revision:	H	Status:	INA/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3643M	Elec. Spec:	36WGT848	CD Diagram:	CD0005
Enclosure:	OPSB	Mfg Plant:		Mech. Spec:	36B103	Layout:	36LYB103
Frame:	213T	Mounting:	F1	Poles:	04	Created Date:	
Base:	RG	Rotation:	R	Insulation:	B	Eff. Date:	10-06-2010
Leads:	9#16					Replaced By:	
Literature:		Elec. Diagram:					

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Nameplate NP1256L										
CAT.NO.	M3311T									
SPEC.	36B103T848H1									
HP	7.5									
VOLTS	208-230/460									
AMP	21.7-20/10									
RPM	1750									
FRAME	213T				HZ	60			PH	3
SER.F.	1.15			CODE	J	DES	A		CLASS	B
NEMA-NOM-EFF	88.5			PF	79					
RATING	40C AMB-CONT									
CC	010A				USABLE AT 208V					
DE	6207				ODE	6205				
ENCL	OPSB			SN						

Parts List		
Part Number	Description	Quantity
SA116997	SA 36B103T848H1	1.000 EA
RA107921	RA 36B103T848H1	1.000 EA
S/P101-000-000	EPACT PROCEDURES-FS PLANT-POLYREX EM, NO	1.000 EA
HA6362ZP	LIFTING LUG FOR 36 FRAME MOTORS.	2.000 EA
36CB3004	36 CB CASTING W/1.09 DIA LEAD HOLE @ 6:0	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	BRASS CUP WASHER, FOR #8 SCREW	1.000 EA
36EP3200A01	FR ENDPLATE, 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
36EP3203A01	PULLEY ENDPLATE 36 FRAME OPEN 207 BRGW/G	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
HA3101A40	THRUBOLT 1/4-20 X 12.687	4.000 EA
XY2520A12	1/4-20 HEX NUT, DIRECTIONAL SERRATIONS	4.000 EA
36CB4516	36 LIPPED CB LID - GALVANNEAL	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 EA
HW2501F21	KEY, 5/16 SQ X 2.375	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
LB1115N	LABEL,LIFTING DEVICE (ON ROLLS)	1.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
MG1000G27	MED CHARCOAL METALLIC GREY 400-0096	0.022 GA
36AD2004A01	BAFFLE PLATE,MOD 36-SLTD BAND MTRS DELTA	2.000 EA

<b>Parts List (continued)</b>		
<b>Part Number</b>	<b>Description</b>	<b>Quantity</b>
LB1125C04	STD-E (STOCK CTN LABEL STD-E WITH FLAG)	1.000 EA
LC0005E01	CONN.DIA./WARNING LABEL (LC0005/LB1119N)	1.000 EA
NP1256L	ALUM UL CSA CC	1.000 EA
36PA1001	PKG GRP, PRINT PK1017A06	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1000/bx) 11/14	1.000 EA

Accessories		
Part Number	Description	Multiplier
36-1206A	C FACE KIT 213-5TC OPSB	A8

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**AC Induction Motor Performance Data**

Record # 17048 - Typical performance - not guaranteed values

<b>Winding:</b> 36WGT848-R001	<b>Type:</b> 3643M	<b>Enclosure:</b> OPSB
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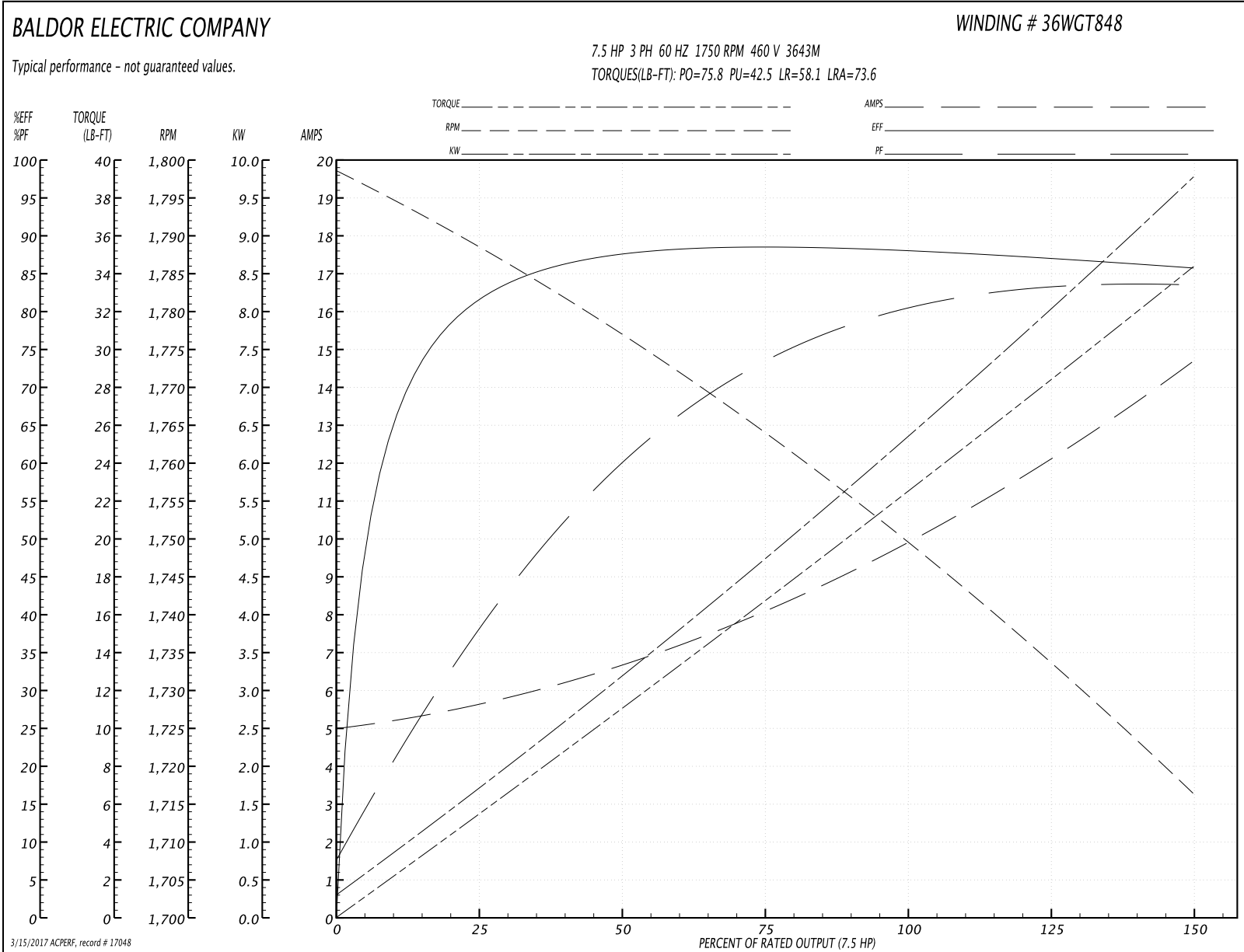
Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	7.5			Full Load Torque	22.5 LB-FT
Volts	208-230/460			Start Configuration	direct on line
Full Load Amps	21.7-20/10			Breakdown Torque	75.8 LB-FT
R.P.M.	1750			Pull-up Torque	42.5 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	58.1 LB-FT
NEMA Design Code	A	KVA Code	J	Starting Current	73.6 A
Service Factor (S.F.)	1.15			No-load Current	5.13 A
NEMA Nom. Eff.	88.5	Power Factor	79	Line-line Res. @ 25°C	1.68 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	65°C
S.F. Amps				Temp. Rise @ S.F. Load	80°C
				Locked-rotor Power Factor	47
				Rotor inertia	0.4 LB-FT <sup>2</sup>

Load Characteristics 460 V, 60 Hz, 7.5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	40	61	73	79	83	84	81
Efficiency	81.7	87.8	88.9	88.6	87.5	85.8	87.9
Speed	1788	1777	1764	1750	1734	1716	1740
Line amperes	5.47	6.56	8.13	10	12.2	14.6	11.3

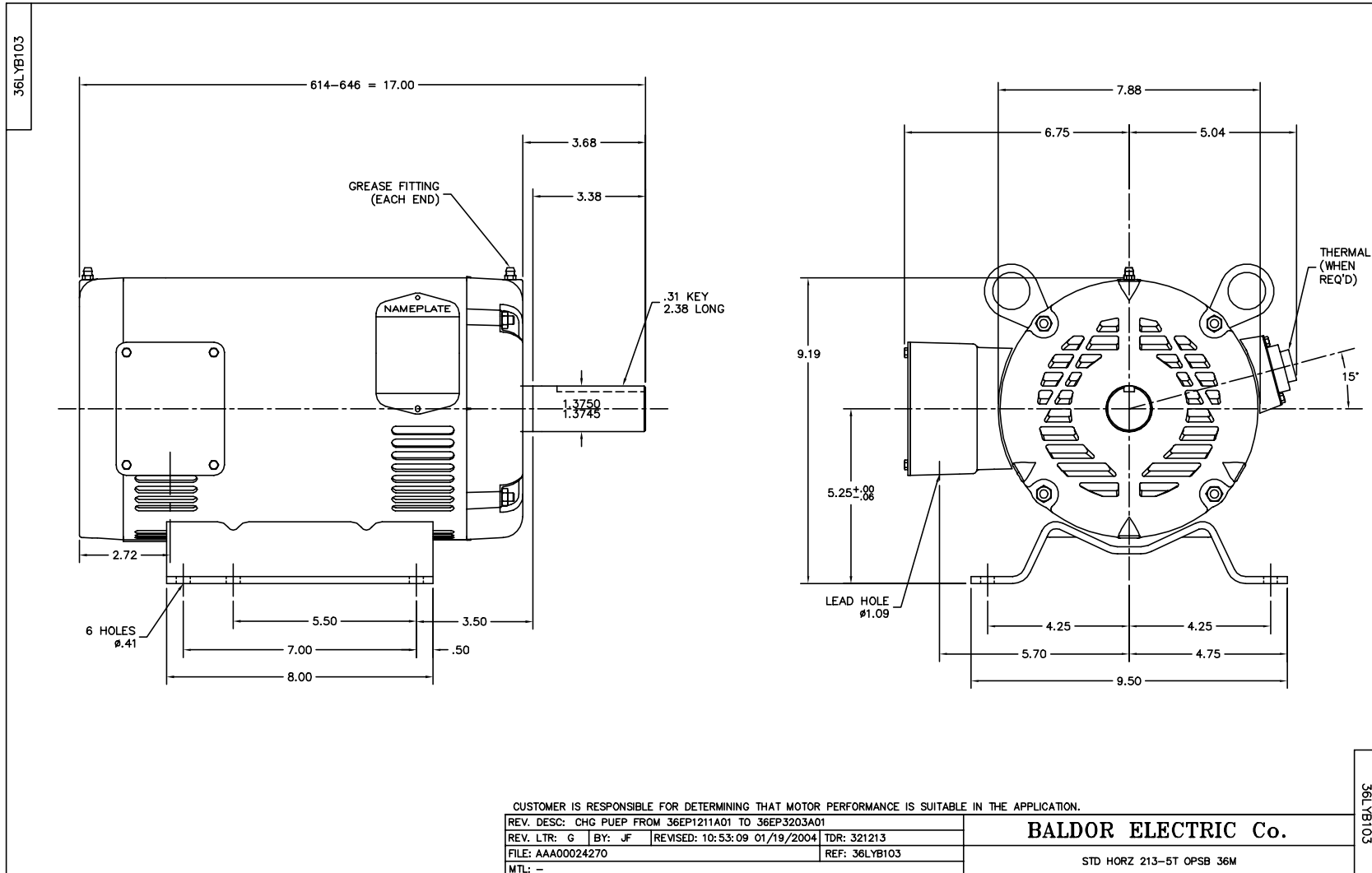
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Performance Graph at 460V, 60Hz, 7.5HP Typical performance - Not guaranteed values



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