

BALDOR® • RELIANCE

Product Information Packet

FM3311T-8

7.5HP,1750RPM,3PH,60HZ,213T,3643M,OPSB,F

Part Detail							
Revision:	G	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3643M	Elec. Spec:	36WGT702	CD Diagram:	CD0006
Enclosure:	OPSB	Mfg Plant:		Mech. Spec:	36J162	Layout:	36LYJ162
Frame:	213T	Mounting:	F2	Poles:	04	Created Date:	06-27-2006
Base:	RG	Rotation:	R	Insulation:	B	Eff. Date:	10-08-2013
Leads:	3#12					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1256L										
CAT.NO.	FM3311T-8									
SPEC.	36J162T702H1									
HP	7.5									
VOLTS	200									
AMP	23									
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
SA145847	SA 36J162T702H1	1.000 EA
RA134966	RA 36J162T702H1	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
51XB1016A07	10-16 X 7/16 HXWSSLD 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
36EP3200A01SP	FR ENDPLATE, MACH	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
HW5100A05	WVY WSHR F/205 & 304 BRGS	1.000 EA
36EP1211A01	SPL PULLEY ENDPLATE 36 FRAME OPEN 207 BR	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	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
MJ1000A75	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
MG1000G27	MED CHARCOAL METALLIC GREY	0.022 GA
LB1115N	LABEL,LIFTING DEVICE (ON ROLLS)	1.000 EA
36AD2004A01	BAFFLE PLATE,MOD 36-SLTD BAND MTRS DELTA	2.000 EA
LB1119N	WARNING LABEL	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
LB1125C01	STD (STOCK) CARTON LABEL BALDOR WITH FLA	1.000 EA
NP1256L	ALUM UL CSA CC	1.000 EA
36PA1001	PACKAGING GROUP	1.000 EA
LB1506	LABEL "AMERICAN MADE" 1.50 X 1.00	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 10/13	1.000 EA

Accessories		
Part Number	Description	Multiplier
37-1404	C FACE KIT	A8

AC Induction Motor Performance Data

Record # 22865 - Typical performance - not guaranteed values

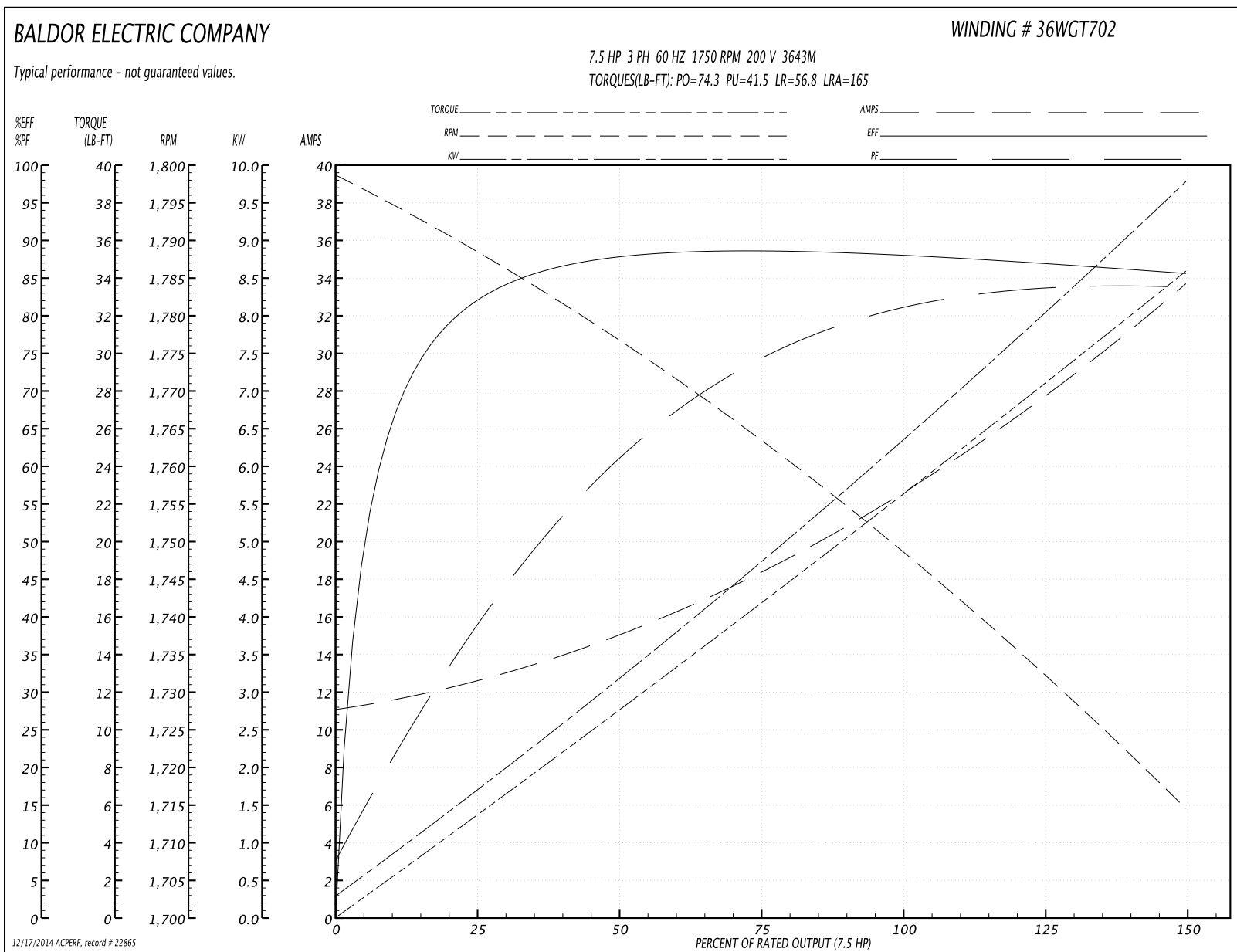
Winding: 36WGT702-R001	Type: 3643M	Enclosure: OPSB
-------------------------------	--------------------	------------------------

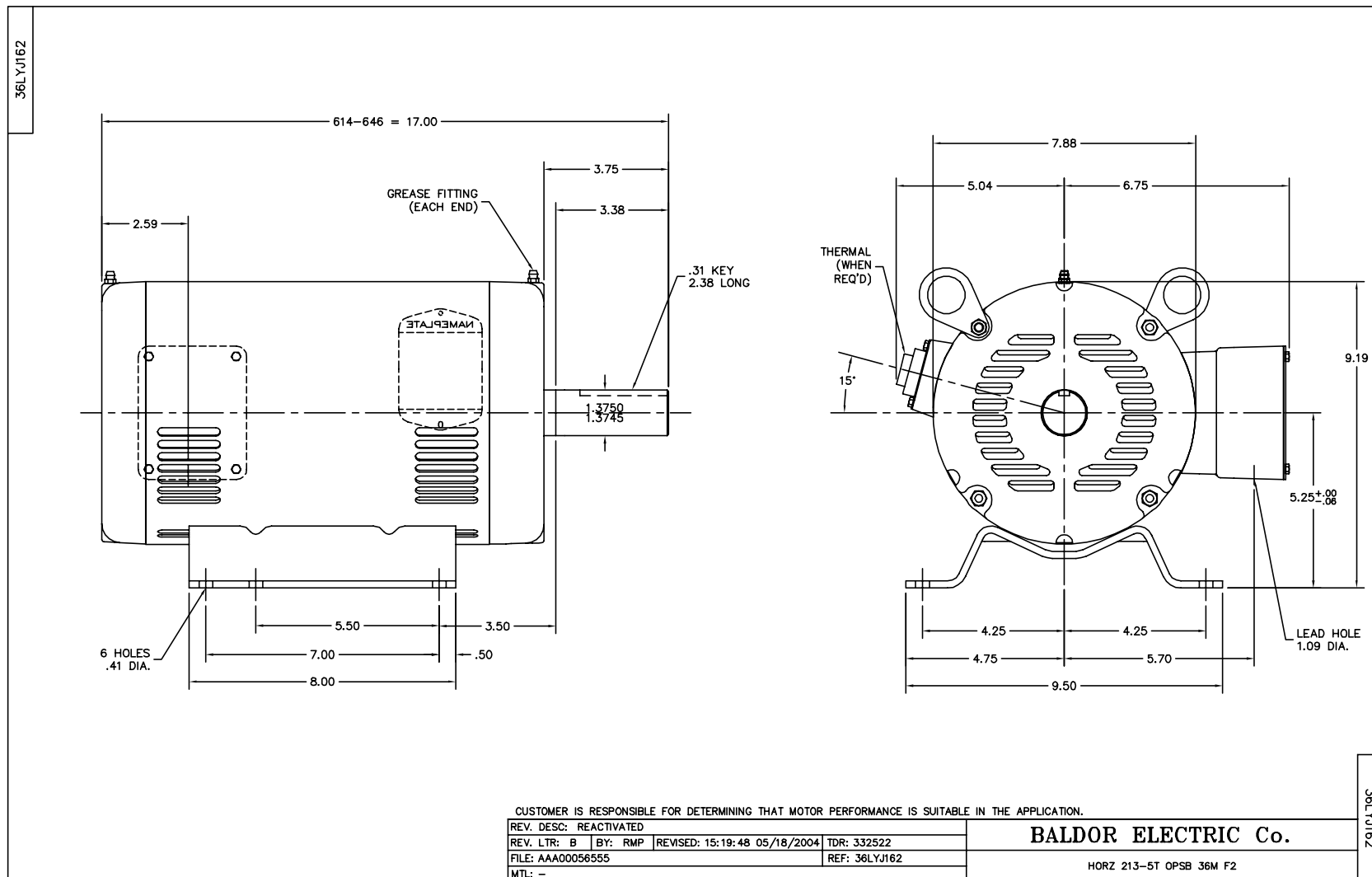
Nameplate Data				200 V, 60 Hz: Single Voltage Motor	
Rated Output (HP)	7.5			Full Load Torque	22.5 LB-FT
Volts	200			Start Configuration	direct on line
Full Load Amps	23			Breakdown Torque	74.3 LB-FT
R.P.M.	1750			Pull-up Torque	41.5 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	56.8 LB-FT
NEMA Design Code	A	KVA Code	J	Starting Current	165 A
Service Factor (S.F.)	1.15			No-load Current	11.4 A
NEMA Nom. Eff.	88.5	Power Factor	79	Line-line Res. @ 25°C	0.313 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	58°C
S.F. Amps				Temp. Rise @ S.F. Load	71°C
				Rotor inertia	0.4 LF ²

Load Characteristics 200 V, 60 Hz, 7.5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	41	62	74	80	83	84	82
Efficiency	81.9	87.4	88.5	88.3	87.1	85.5	87.6
Speed	1788	1777	1763	1749	1733	1714	1739
Line amperes	12.2	14.8	18.5	22.8	27.9	33.5	25.9

Performance Graph at 200V, 60Hz, 7.5HP Typical performance - Not guaranteed values





CD0006



NOTES:

1. THREE LEAD MOTOR MAY BE EITHER WYE CONNECTED OR DELTA CONNECTED.
2. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
3. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
4. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY VARY.
5. LEAD COLORS ARE OPTIONAL. LEADS MUST BE NUMBERED AS SHOWN.

REV. DESC: REVISE TO SHOW OPTIONAL COLORS

REV. LTR: D

BY: JLP

REVISED: 01/21/99 4:02

TDR: 0171435

9000D

FILE: AAA00005141

MDL: -

MTL: -

BALDOR ELECTRIC Co.

3PH, SV, 3 LEADS, WYE OR DELTA CONNECTED

CD0006