

BALDOR® • RELIANCE 

Product Information Packet

FM3311T-8

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

Part Detail							
Revision:	K	Status:	INA/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	36WGT702	CD Diagram:	CD0006	Mfg Plant:	
Mech. Spec:	36J162	Layout:	36LYJ162	Poles:	04	Created Date:	06-27-2006
Base:	RG	Eff. Date:	03-08-2016	Leads:	3#12		

Specs			
Catalog Number:	FM3311T-8	Inverter Code:	Not Inverter
Enclosure:	OPSB	KVA Code:	J
Frame:	213T	Lifting Lugs:	No Lifting Lugs
Frame Material:	Steel	Locked Bearing Indicator:	No Locked Bearing
Output @ Frequency:	7.500 HP @ 60 HZ	Motor Lead Quantity/Wire Size:	3 @ 12 AWG
Synchronous Speed @ Frequency:	1800 RPM @ 60 HZ	Motor Lead Exit:	Ko Box
Voltage @ Frequency:	200.0 V @ 60 HZ	Motor Lead Termination:	Flying Leads
XP Class and Group:	None	Motor Type:	3643M
XP Division:	Not Applicable	Mounting Arrangement:	F2
Agency Approvals:	UR	Power Factor:	79
	CSA	Product Family:	General Purpose
Auxillary Box:	No Auxillary Box	Pulley End Bearing Type:	Ball
Auxillary Box Lead Termination:	None	Pulley Face Code:	Standard
Base Indicator:	Rigid	Pulley Shaft Indicator:	Standard
Bearing Grease Type:	Polyrex EM (-20F +300F)	Rodent Screen:	None
Blower:	None	Shaft Extension Location:	Pulley End
Current @ Voltage:	23.000 A @ 200.0 V	Shaft Ground Indicator:	No Shaft Grounding
Design Code:	A	Shaft Rotation:	Reversible

Drip Cover:	No Drip Cover	Shaft Slinger Indicator:	No Slinger
Duty Rating:	CONT	Speed Code:	Single Speed
Electrically Isolated Bearing:	Not Electrically Isolated	Motor Standards:	NEMA
Feedback Device:	NO FEEDBACK	Starting Method:	Direct on line
Front Face Code:	Standard	Thermal Device - Bearing:	None
Front Shaft Indicator:	None	Thermal Device - Winding:	None
Heater Indicator:	No Heater	Vibration Sensor Indicator:	No Vibration Sensor
Insulation Class:	B	Winding Thermal 1:	None
		Winding Thermal 2:	None

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	BRASS CUP WASHER, FOR #10 SCREW	1.000 EA
36EP3204B00	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
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	750LIPPED 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
MJ1000A02	GREASE, MOBIL POLYREX EM - 124047	0.050 LB
MG1000G27	MED CHARCOAL METALLIC GREY 400-0096	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
LC0006	CONNECTION LABEL	1.000 EA
NP1256L	ALUM UL CSA CC INDUSTRIAL MOTOR A60	1.000 EA
36PA1001	PKG GRP, PRINT PK1017A06	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (2100/bx) 4/22	1.000 EA

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

AC Induction Motor Performance Data

Record # 22865

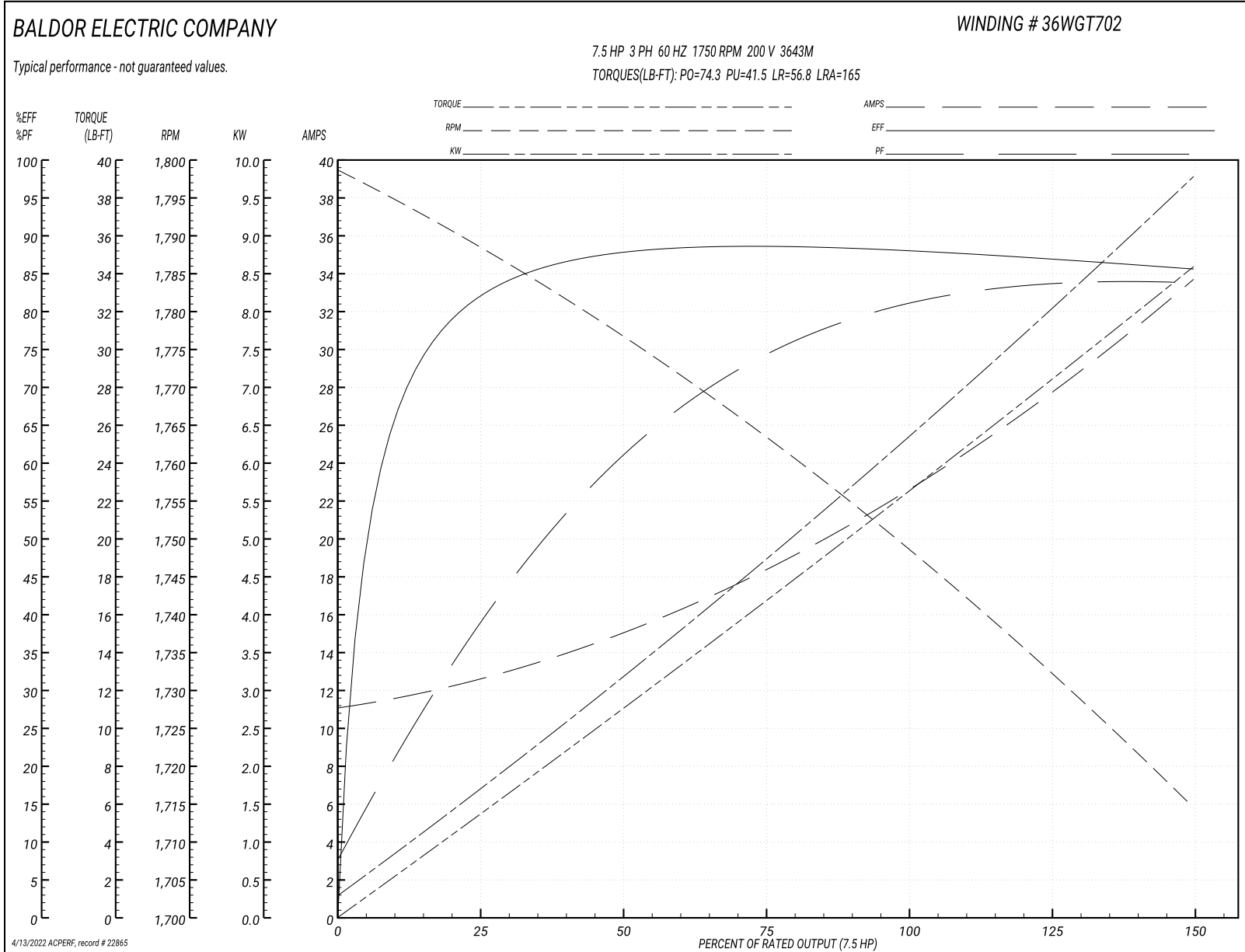
Typical performance - not guaranteed values

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	Locked-rotor Torque	56.8 LB-FT
NEMA Design Code	A KVA Code	Starting Current	165 A
Service Factor (S.F.)	1.15	No-load Current	11.4 A
NEMA Nom. Eff.	88.5 Power Factor	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
		Locked-rotor Power Factor	47
		Rotor inertia	0.4 LB-FT ²

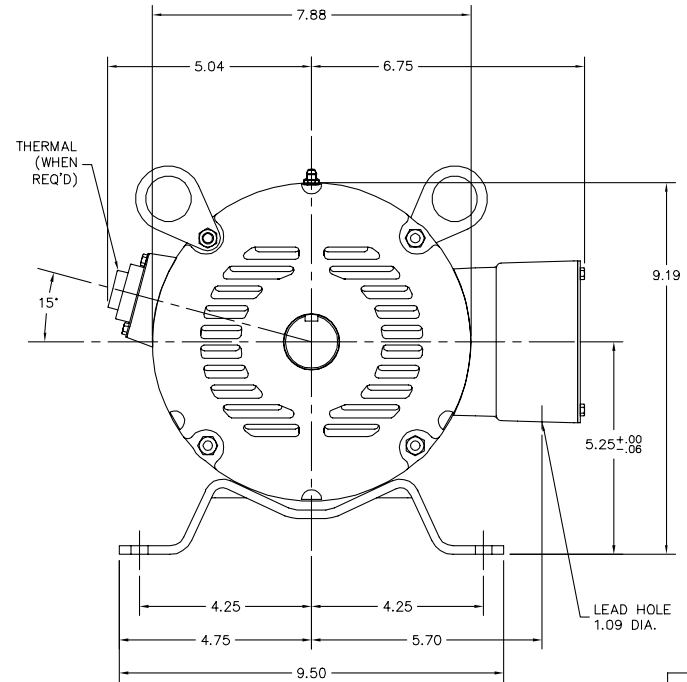
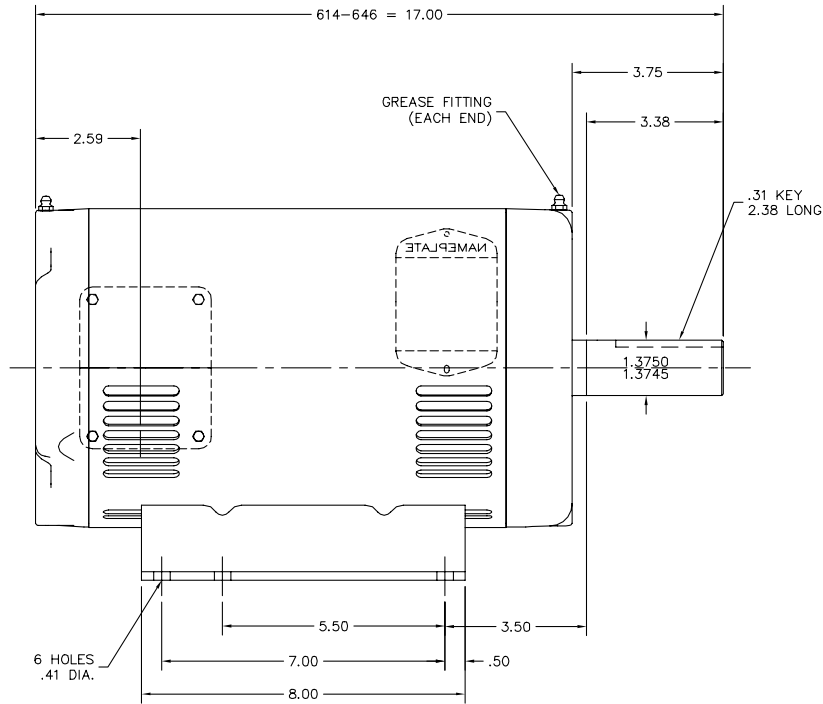
Load Characteristics 200 V, 60 Hz, 7.5 HP

% 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



36LYJ162



36LYJ162

CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION.

REV. DESC: FREP: WAS 36PE3200A01, NOW 36EP3204B00	TDR: 000001103877
REV. LTR: D	VERSION: 03
FILE: \AAA\00056\555	REVISED: 03:04:17 04/03/2019
MTL: -	BY: FGCHAH1

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HORZ 213-5T OPSB 36M F2

SH 1 of 1

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.

CD0006

REV. DESC: ADD CLASS CONN00000007		
REV. LTR: E	VERSION: 01	TDR: 000001099922
FILE: \AAA\00005\141	REVISED: 10:24:49 02/19/2019	BY: ENBRIRO
MTL: -	© □	

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

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