

BALDOR® • RELIANCE

Product Information Packet

JM3559

3HP,3450RPM,3PH,60HZ,56J,3528M,TEFC,F1

Part Detail							
Revision:	AC	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3528M	Elec. Spec:	35WGT123	CD Diagram:	CD0005
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	35F084	Layout:	35LYF084
Frame:	56J	Mounting:	F1	Poles:	02	Created Date:	06-21-2007
Base:	N	Rotation:	R	Insulation:	F	Eff. Date:	09-10-2014
Leads:	9#18					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1256L										
CAT.NO.	JM3559									
SPEC.	35F84T123									
HP	3									
VOLTS	208-230/460									
AMP	8.1-7.6/3.8									
RPM	3450									
FRAME	56J	HZ			60	PH		3		
SER.F.	1.15	CODE			K	DES		B	CLASS	F
NEMA-NOM-EFF	82.5	PF			89					
RATING	40C AMB-CONT									
CC		USABLE AT 208V			8.1					
DE	6205	ODE			6203					
ENCL	TEFC	SN								

Parts List		
Part Number	Description	Quantity
SA024913	SA 35F84T123	1.000 EA
RA020963	RA 35F84T123	1.000 EA
NS2512A01	INSULATOR, CONDUIT BOX X	1.000 EA
35CB3007	35 CB CASTING W/.88 DIA. LEAD HOLE	1.000 EA
36GS1000SP	GASKET-CONDUIT BOX, .06 THICK #SV-330 LE	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
35EP3100M02	FREP TEFC 203 BRG W/O GRSR (RAISED FH MT	1.000 EA
HW5100A03SP	WAVY WASHER (W1543-017)	1.000 EA
35EP3300A02SP	PU ENDPLATE, MACH	1.000 EA
51XN1032A20	10-32 X 1 1/4 HX WS SL SR	2.000 EA
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 EA
WD4100A10	465 NIAGARA PLUG (SO ELEC),FOR 1.093 DIA	1.000 EA
35FH4005A55	IEC FH NO GRSR,3 MTG HOLE NO DIMPLES, 1.	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 EA
35CB4521GX	CONDUIT BOX LID KIT	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 EA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
MJ1000A75	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
34FN3002B01	EXTERNAL FAN, PLASTIC, .637/.639 HUB W/	1.000 EA
MG1000G27	MED CHARCOAL METALLIC GREY	0.017 GA
LB1009N	LABEL,ROTATION DIRECTION (ON ROLLS)	1.000 EA
HA3100A15	THRUBOLT 10-32 X 8.375	4.000 EA
LB1125C01	STD (STOCK) CARTON LABEL BALDOR WITH FLA	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
LC0005E01	CONN.DIA./WARNING LABEL (LC0005/LB1119N)	1.000 EA
NP1256L	ALUM UL CSA CC	1.000 EA
35PA1066	PACKING GROUP COMBINED PRINT	1.000 EA
PK3082	STYROFOAM CRADLE	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

AC Induction Motor Performance Data

Record # 16432 - Typical performance - not guaranteed values

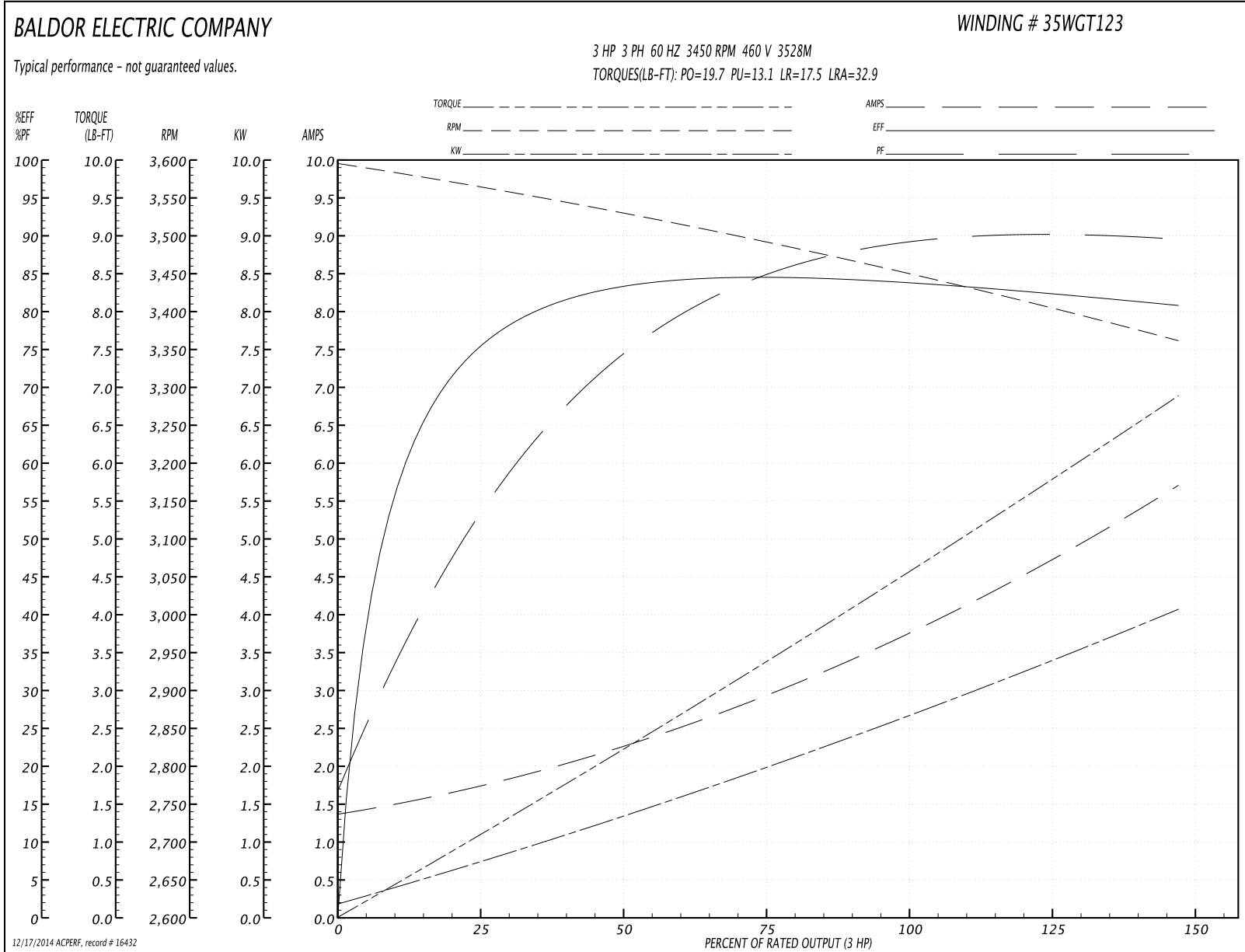
Winding: 35WGT123-R001	Type: 3528M	Enclosure: TEFC
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Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	3			Full Load Torque	4.6 LB-FT
Volts	208-230/460			Start Configuration	direct on line
Full Load Amps	8.1-7.6/3.8			Breakdown Torque	19.7 LB-FT
R.P.M.	3450			Pull-up Torque	13.1 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	17.5 LB-FT
NEMA Design Code	B	KVA Code	K	Starting Current	32.9 A
Service Factor (S.F.)	1.15			No-load Current	1.4 A
NEMA Nom. Eff.	82.5	Power Factor	89	Line-line Res. @ 25°C	5.1 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	68°C
S.F. Amps				Temp. Rise @ S.F. Load	82°C
				Rotor inertia	0.0774 LF ²

Load Characteristics 460 V, 60 Hz, 3 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	55	74	83	87	88	88	88
Efficiency	76	83	84.3	84	82.7	80.6	83.2
Speed	3559	3525	3490	3452	3409	3358	3426
Line amperes	1.7	2.3	3	3.8	4.7	5.7	4.3

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



AC Induction Motor Performance Data

Record # 20988 - Typical performance - not guaranteed values

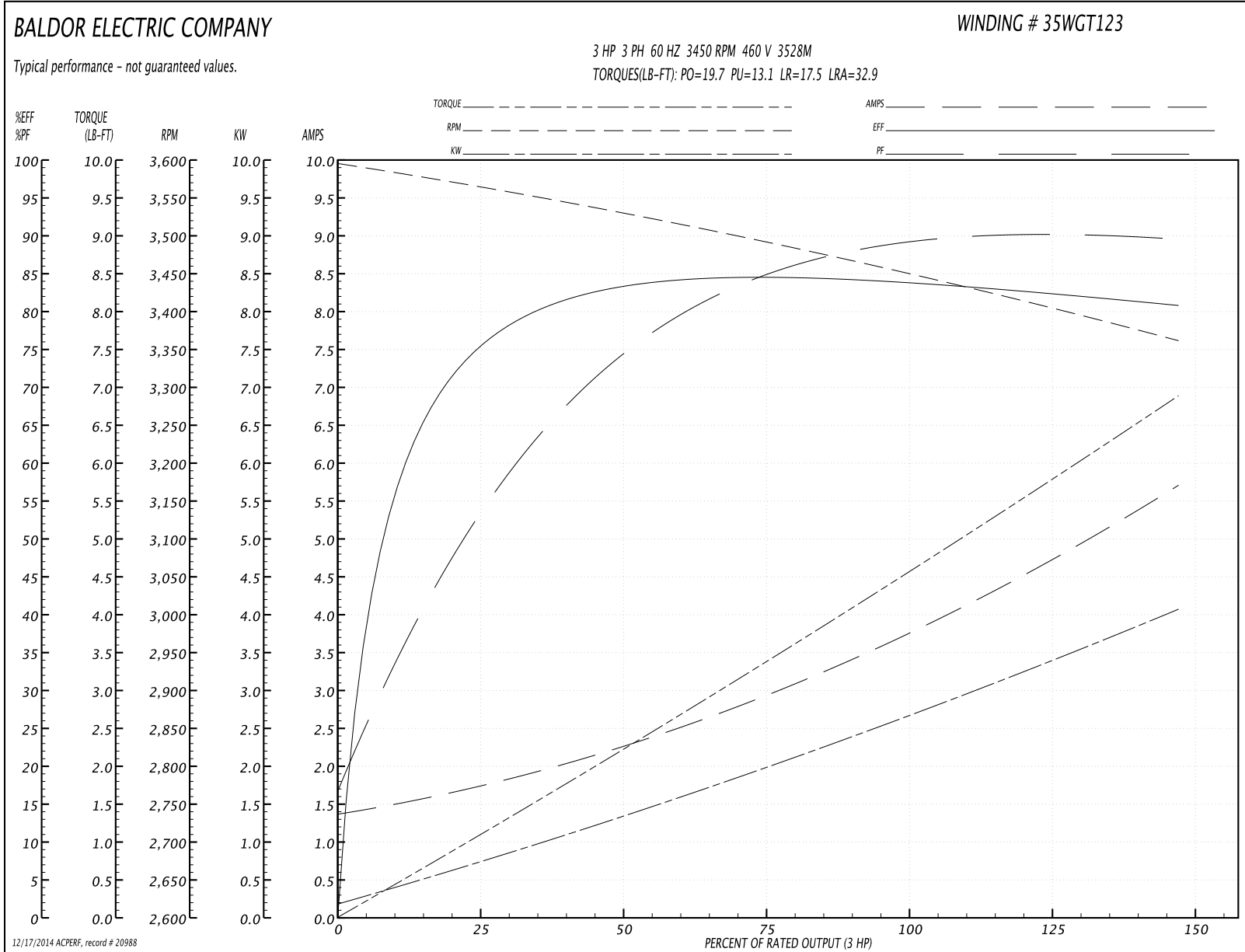
Winding: 35WGT123-R004	Type: 3528M	Enclosure: TEFC
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Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	3			Full Load Torque	4.6 LB-FT
Volts	208-230/460			Start Configuration	direct on line
Full Load Amps	8.1-7.6/3.8			Breakdown Torque	19.7 LB-FT
R.P.M.	3450			Pull-up Torque	13.1 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	17.5 LB-FT
NEMA Design Code	B	KVA Code	K	Starting Current	32.9 A
Service Factor (S.F.)	1.15			No-load Current	1.4 A
NEMA Nom. Eff.	82.5	Power Factor	89	Line-line Res. @ 25°C	5.1 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	68°C
S.F. Amps				Temp. Rise @ S.F. Load	82°C
				Rotor inertia	0.0774 LF ²

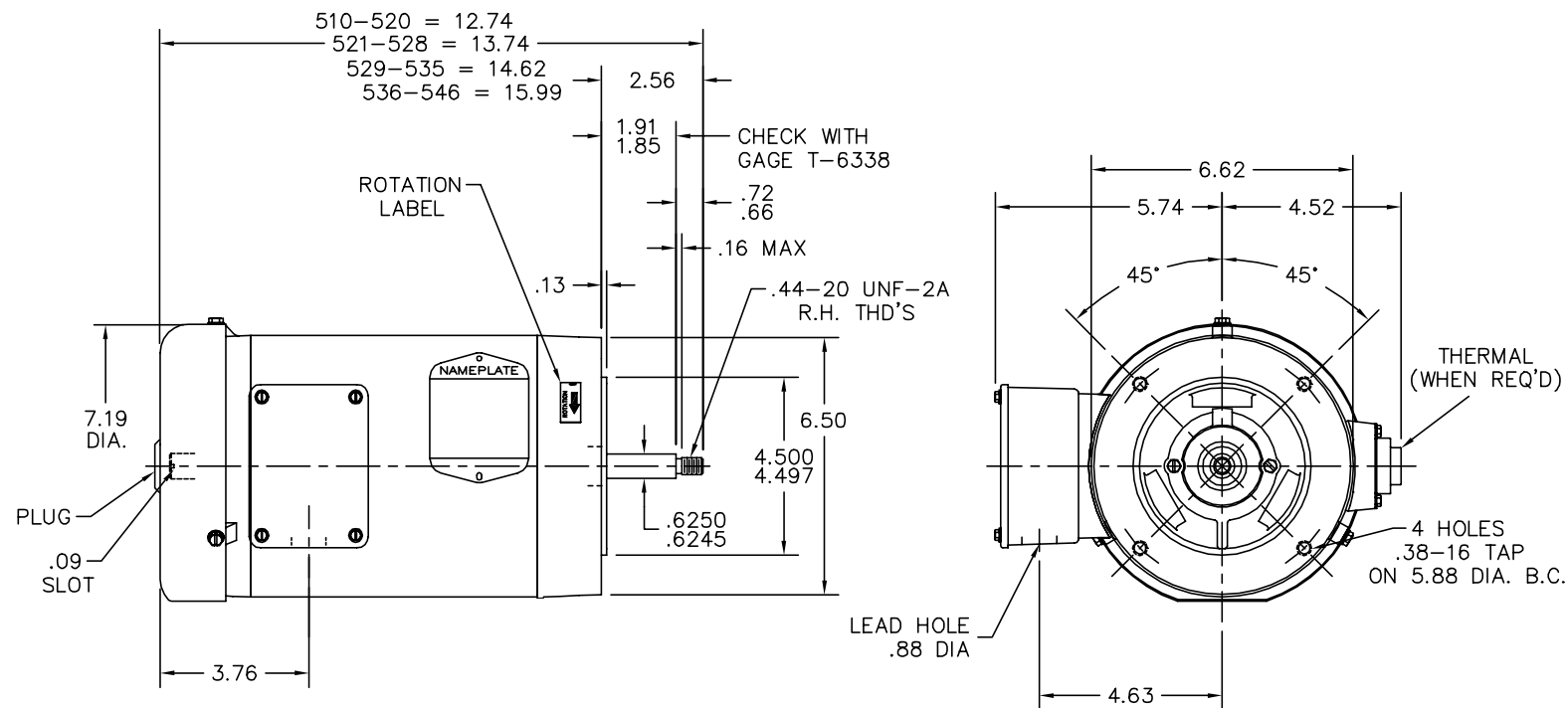
Load Characteristics 460 V, 60 Hz, 3 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	55	74	83	87	88	88	88
Efficiency	76	83	84.3	84	82.7	80.6	83.2
Speed	3559	3525	3490	3452	3409	3358	3426
Line amperes	1.7	2.3	3	3.8	4.7	5.7	4.3

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



35LYF084



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

REV. DESC: UPDATE PARTS, ADD/FIX DIMS & STANDARIZE DESC.

REV. LTR: S

VERSION: 03

TDR: 000000876757

FILE: \AAA\00008\273

REVISED: 12:50:40 10/23/2014

BY: ENMAIYO

MTL: -



BALDOR

STD VERT 56J TEFC 35M

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