

BALDOR® • **RELIANCE**

Product Information Packet

AFL3524A

3HP,3450RPM,1PH,60HZ,145TZ,3535LC,TEAO

Part Detail							
Revision:	AB	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3535LC	Elec. Spec:	35WGY039	CD Diagram:	CD0225A02
Enclosure:	TEAO	Mfg Plant:		Mech. Spec:	35T906	Layout:	35LYT906
Frame:	145TZ	Mounting:	F1	Poles:	02	Created Date:	06-22-2007
Base:	RG	Rotation:	RS	Insulation:	B	Eff. Date:	10-12-2016
Leads:	2#14 A PH,3#18 B&J					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1280L											
CAT.NO.	AFL3524A										
SPEC.	35T906Y039										
HP	3 AIR OVER										
VOLTS	230										
AMP	15										
RPM	3450										
FRAME	145TZ				HZ	60			PH	1	
SER.F.	1.00				CODE	H		DES	-	CL	B
NEMA-NOM-EFF					PF						
RATING	40C AMB-CONT										
CC								USABLE AT 208V			
DE	6205				ODE	6203					
ENCL	TEAO				SN						

Parts List		
Part Number	Description	Quantity
SA111028	SA 35T906Y039	1.000 EA
RA102407	RA 35T906Y039	1.000 EA
OC3012F12SP	CYL OIL CAP 12MFD/370V	1.000 EA
EC1216C06SP	ELEC CAP, 216-259 MFD, 250V, 2.06D X 4.	1.000 EA
RM1001A01	GROMMET "MIDSTATES"	1.000 EA
11XT0832G06	8-32 X 3/8 TY 23 TAPPING	1.000 EA
35EP3102A02SP	FR ENDPLATE, MACH	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	2.000 EA
35CB3801	CAPACITOR COVER, CAST	1.000 EA
34GS3002	GASKET, CAPACITOR BOX	1.000 EA
HA7010	CAPACITOR RETENTION CLAMP	1.000 EA
NS2501A02	INSULATOR, CAPACITOR BOX	1.000 EA
51XB1016A08	10-16X 1/2HXWSSLD SERTYB	2.000 EA
HW5100A03SP	WAVY WASHER (W1543-017)	1.000 EA
35EP3101A01SP	PUEP-ENCLOSED-205 BRG-W/GREASER	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
XY1032A02	10-32 HEX NUT DIRECTIONAL SERRATION	4.000 EA
WD4100A01	DP-875 HEYCO PLUG OR 62MP0875 MICRO PLAS	1.000 EA
35CB4500SP	TERMINAL BOX LID STAMPED	1.000 EA
35GS1002	GASKET,1/16 THICK LEXIDE	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	2.000 EA
HW2501D13	KEY, 3/16 SQ X 1.375	1.000 EA
HA7000A01	KEY RETAINER 7/8" DIA SHAFT	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
WD1000A15	3-520132-2 AMP FLAG (4M/RL NON-CANC/NON-	2.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
MG1025C02	WILKOFASST SG, 787.105, TAN	0.017 GA
HA3100A22	THRUBOLT 10-32 X 10.125	4.000 EA
34GS5003	FOAM SLEEVE, ID = 2 1/16" X 3 3/8"	2.000 EA
SP5066A03	MODEL 35 TERMINAL PANEL SWITCH WITH LEAD	1.000 EA
LB1118	LABEL,WARNING (ROLL LABEL)	1.000 EA
LC0085	CONNECTION LABEL	1.000 EA
NP1280L	ALUM FARM DUTY UL CSA CC THERMAL	1.000 EA
35PA1066	PKG GRP, PRINT PK1008A06	1.000 EA

Accessories		
Part Number	Description	Multiplier
35-8762	C FACE KIT	A8
35EP1604A01SP	D-FLANGE KIT	A8

AC Induction Motor Performance Data

Record # 10130 - Typical performance - not guaranteed values

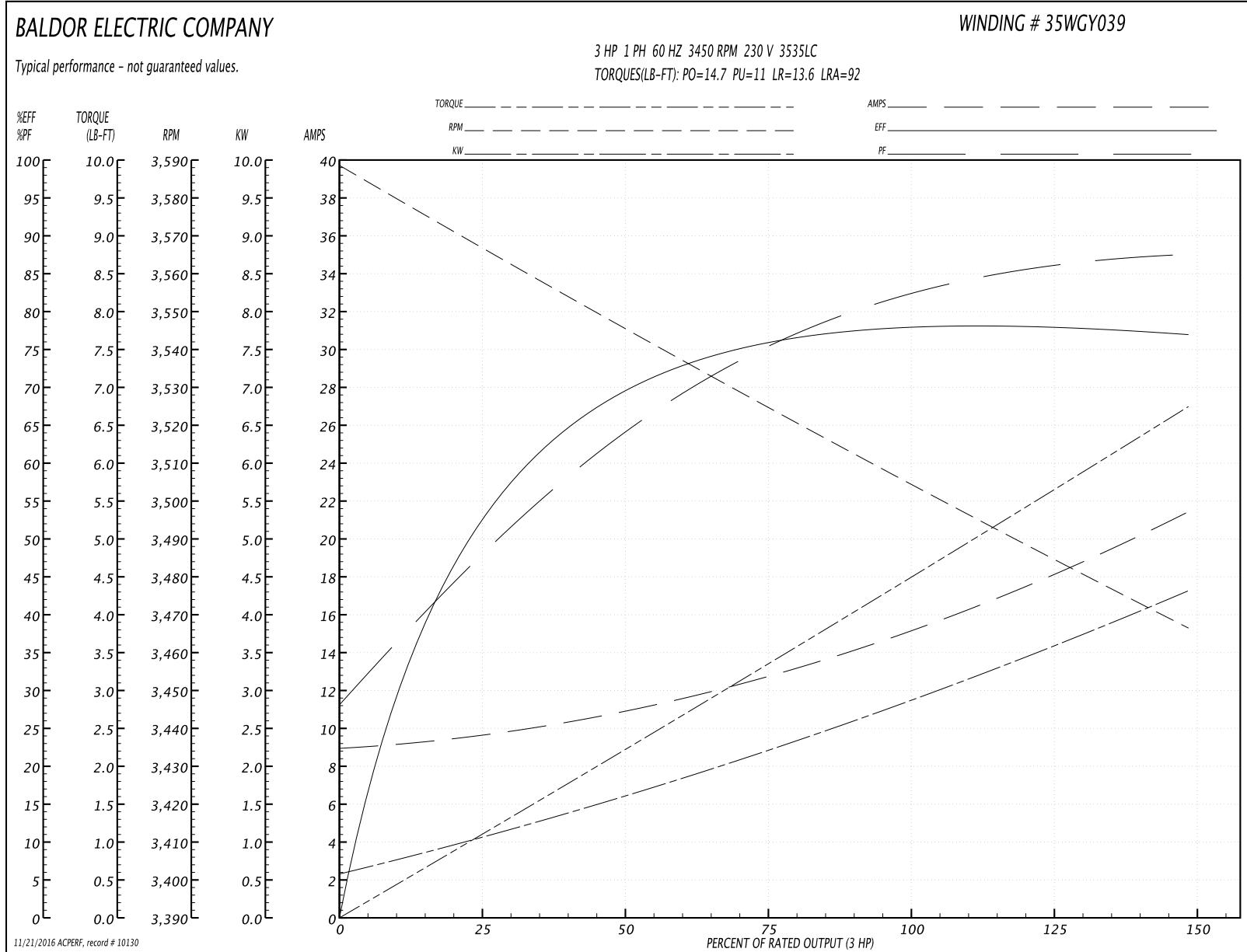
Winding: 35WGY039-R001	Type: 3535LC	Enclosure: TEAO
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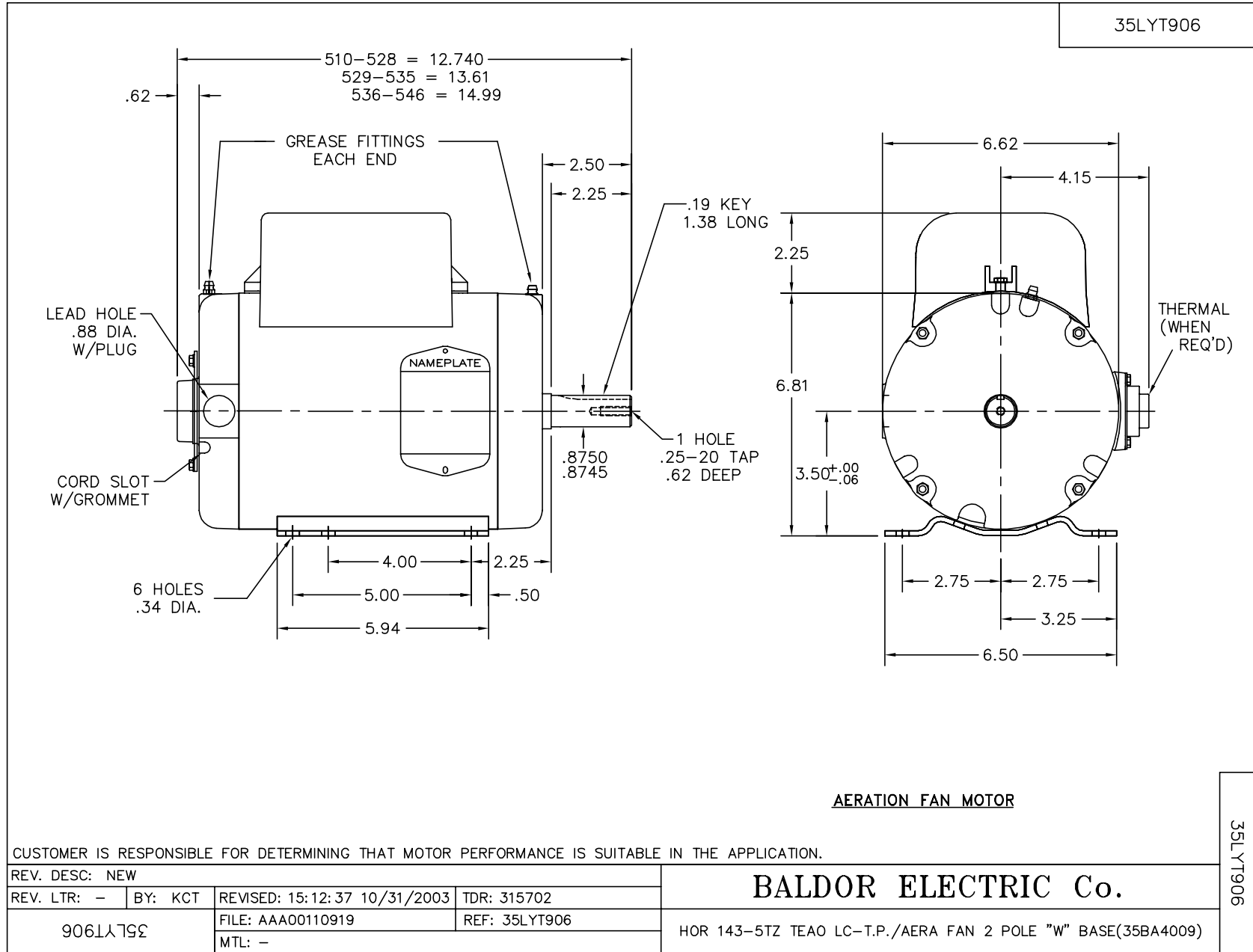
Nameplate Data				230 V, 60 Hz: Single Voltage Motor	
Rated Output (HP)	3 AIR OVER			Full Load Torque	4.5 LB-FT
Volts	230			Start Configuration	direct on line
Full Load Amps	15			Breakdown Torque	14.7 LB-FT
R.P.M.	3450			Pull-up Torque	11 LB-FT
Hz	60	Phase	1	Locked-rotor Torque	13.6 LB-FT
NEMA Design Code	-	KVA Code	H	Starting Current	92 A
Service Factor (S.F.)	1			No-load Current	9 A
NEMA Nom. Eff.	0	Power Factor	0	Line-line Res. @ 25°C	0.577 Ω A Ph 2.53 Ω B Ph
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	

Load Characteristics 230 V, 60 Hz, 3 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	47	64	75	83	86	87
Efficiency	55	70	75	78	78	77
Speed	3560	3555	3520	3500	3490	3465
Line amperes	9.5	11	13	15	18	21.5

Performance Graph at 230V, 60Hz, 3.0HP Typical performance - Not guaranteed values





CD0225A02

