

BALDOR® • RELIANCE

Product Information Packet

AFL3522A

1.5HP,3450RPM,1PH,60HZ,143TZ,3528L,TEAO

Part Detail							
Revision:	AF	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	35WG0525	CD Diagram:	CD0052	Mfg Plant:	
Mech. Spec:	35T889	Layout:	35LYT889	Poles:	02	Created Date:	06-22-2007
Base:	RG	Eff. Date:	04-06-2017	Leads:	4#16 A&J,2#18 B PH,1#14 #1TH		

Specs			
Catalog Number:	AFL3522A	Inverter Code:	Not Inverter
Enclosure:	TEAO	KVA Code:	H
Frame:	143TZ	Lifting Lugs:	No Lifting Lugs
Frame Material:	Steel	Locked Bearing Indicator:	No Locked Bearing
Output @ Frequency:	1.500 HP @ 60 HZ	Motor Lead Quantity/Wire Size:	4 @ 16 AWG, A&J
Synchronous Speed @ Frequency:	3600 RPM @ 60 HZ	Motor Lead Exit:	Terminal Panel Or Lead Hole
Voltage @ Frequency:	115.0 V @ 60 HZ	Motor Lead Termination:	Flying Leads
	230.0 V @ 60 HZ	Motor Type:	3528L
XP Class and Group:	None	Mounting Arrangement:	F1
XP Division:	Not Applicable	Power Factor:	82
Agency Approvals:	UR	Product Family:	General Purpose
	CSA	Product Type:	FARM DUTY
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:	Tapped & Key
Bearing Grease Type:	Polyrex EM (-20F +300F)	Rodent Screen:	None
Blower:	None	RoHS Status:	ROHS COMPLIANT
Current @ Voltage:	16.600 A @ 115.0 V	Shaft Extension Location:	Pulley End

	8.300 A @ 230.0 V	Shaft Ground Indicator:	No Shaft Grounding
	8.600 A @ 208.0 V	Shaft Rotation:	Reversible: Connected Standard
Design Code:	L	Shaft Slinger Indicator:	No Slinger
Drip Cover:	No Drip Cover	Speed Code:	Single Speed
Duty Rating:	CONT	Motor Standards:	NEMA
Electrically Isolated Bearing:	Not Electrically Isolated	Starting Method:	Direct on line
Feedback Device:	NO FEEDBACK	Thermal Device - Bearing:	None
Front Face Code:	Terminal Panel	Thermal Device - Winding:	None
Front Shaft Indicator:	None	Vibration Sensor Indicator:	No Vibration Sensor
Heater Indicator:	No Heater	Winding Thermal 1:	Automatic Thermal Overload
Insulation Class:	B	Winding Thermal 1 Location:	SB
		Winding Thermal 2:	None

Nameplate NP1280L									
CAT.NO.	AFL3522A								
SPEC.	35T889-0525								
HP	1.5								
VOLTS	115/230								
AMP	16.6/8.3								
RPM	3450								
FRAME	143TZ								
				HZ	60			PH	1
SER.F.	1.00			CODE	H		DES	L	CL
NEMA-NOM-EFF	70			PF	82				B
RATING	40C AMB-CONT								
CC							USABLE AT 208V	8.6	
DE	6205			ODE	6203				
ENCL	TEAO			SN					

AC Induction Motor Performance Data

Record # 8080 - Typical performance - not guaranteed values

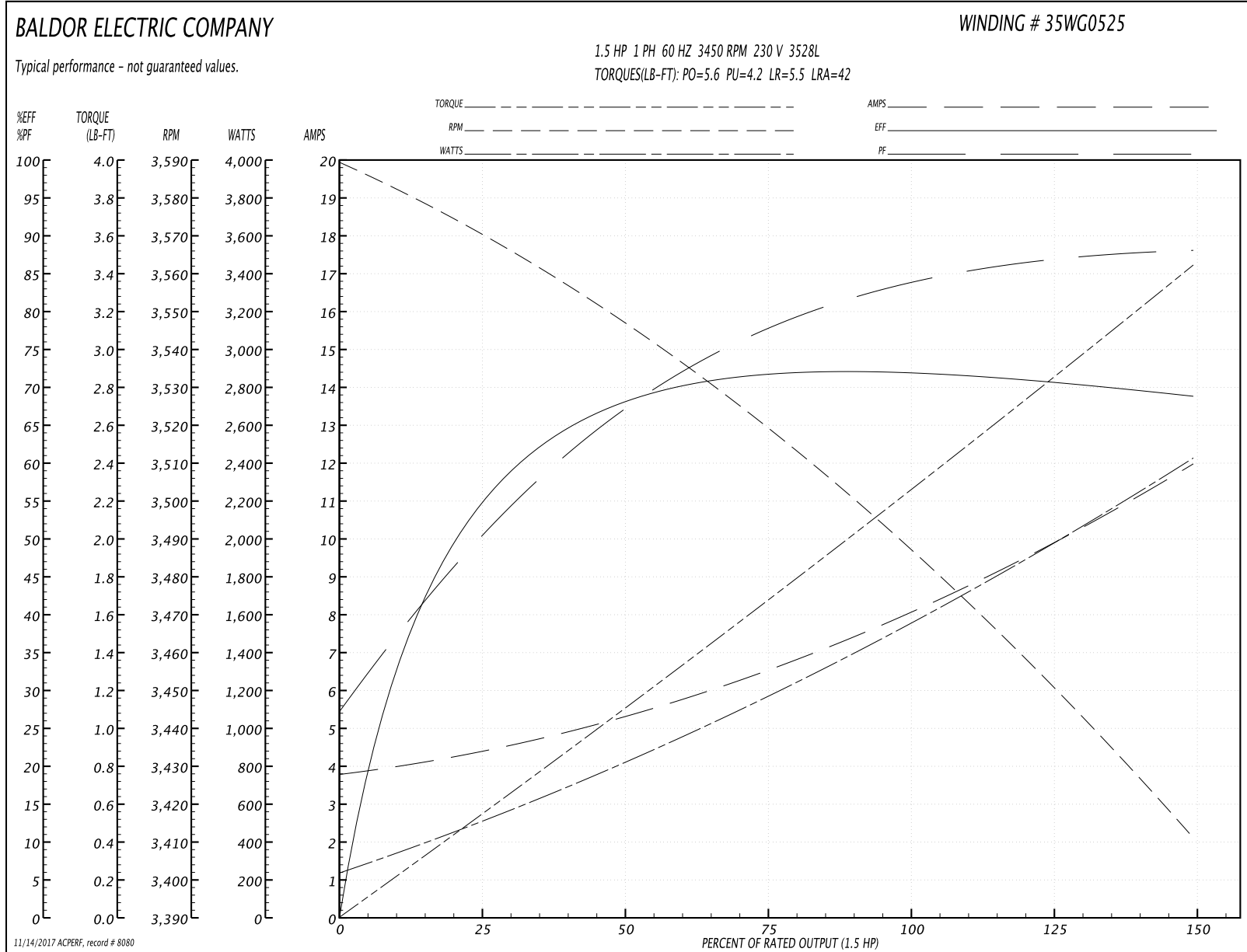
Winding: 35WG0525-R001	Type: 3528L	Enclosure: TEFC
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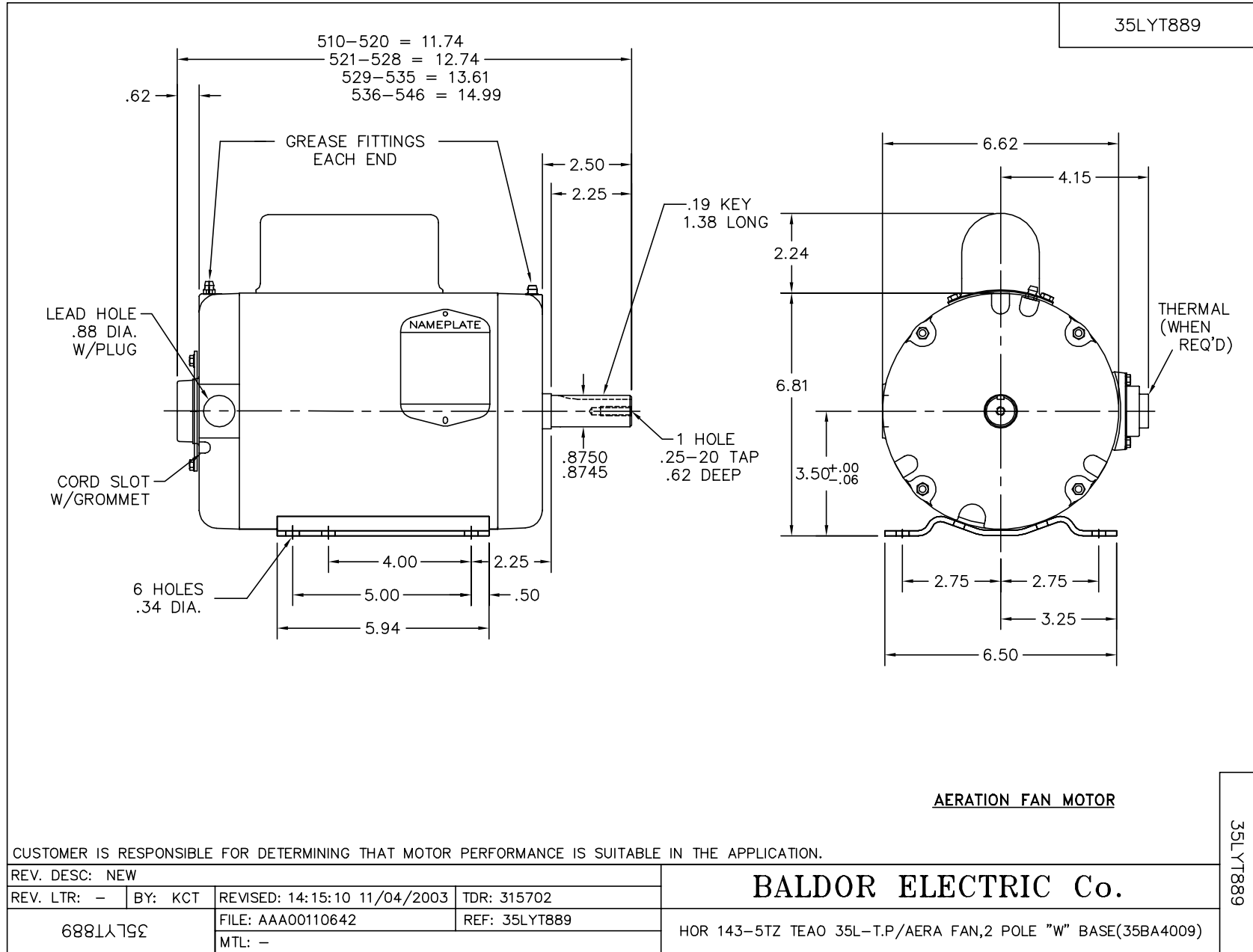
Nameplate Data				230 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	1.5			Full Load Torque	2.3 LB-FT
Volts	115/230			Start Configuration	direct on line
Full Load Amps	16.6/8.3			Breakdown Torque	5.6 LB-FT
R.P.M.	3450			Pull-up Torque	4.2 LB-FT
Hz	60	Phase	1	Locked-rotor Torque	5.5 LB-FT
NEMA Design Code	L	KVA Code	H	Starting Current	42 A
Service Factor (S.F.)	1			No-load Current	3.8 A
NEMA Nom. Eff.	70	Power Factor	82	Line-line Res. @ 25°C	1.26 Ω A Ph 1.23 Ω B Ph
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	70°C

Load Characteristics 230 V, 60 Hz, 1.5 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	52	69	78	84	87	88
Efficiency	54.9	67.7	71.6	72.4	71.2	68.4
Speed	3568	3543	3518	3485	3452	3409
Line amperes	4.4	5.4	6.6	8.3	9.9	12

Performance Graph at 230V, 60Hz, 1.5HP Typical performance - Not guaranteed values





CD0052

