



Customer information packet

AFL3524A

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

Class - None

Division - Not Applicable

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Specifications

Enclosure	TEAO
Frame	145TZ
Frame Material	Steel
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Cap Start, Cap Run
Output @ Frequency	3.000 HP @ 60 HZ
Phase	1
Synchronous Speed @ Frequency	3600 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ
Agency Approvals	CSA UR
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Auxiliary Box Lead Termination	None
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	15.000 A @ 230.0 V
Drip Cover	No Drip Cover
Duty Rating	CONT
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Terminal Panel
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	15.0 a
Insulation Class	B
Inverter Code	Not Inverter
KVA Code	H
Lifting Lugs	No Lifting Lugs

Part detail

Revision	AF
Type	AC
Mech. spec.	35T906
Base	
Status	PRD/A
Elec. spec.	35WGY039
Layout	35LYT906
Eff. date	07-25-2024
CD Diagram	CD0225A02
Poles	02
Leads	2#14 A PH,3#18 B&J
Proprietary	False
Created date	06-22-2007

Locked Bearing Indicator	No Locked Bearing
Motor Lead Exit	Terminal Panel Or Lead Hole
Motor Lead Quantity/Wire Size	2 @ 14 AWG, A PH
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3535LC
Mounting Arrangement	F1
Number of Poles	2
Overall Length	13.61 IN
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Tapped & Key
Rodent Screen	None
RoHS Status	ROHS COMPLIANT
Service Factor	1.00
Shaft Diameter	0.875 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible: Connected Standard
Shaft Slinger Indicator	No Slinger
Speed	3450 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None
Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	Automatic Thermal Overload
Winding Thermal 1 Location	SB
Winding Thermal 2	None

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									
DE	6205		ODE	6203					
ENCL	TEAO		SN						

AC Induction Motor Performance Data

Record # 10130

Typical performance - not guaranteed values

Winding: 35WGY039-R001			Type: 3535LC		Enclosure: TEAO	
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

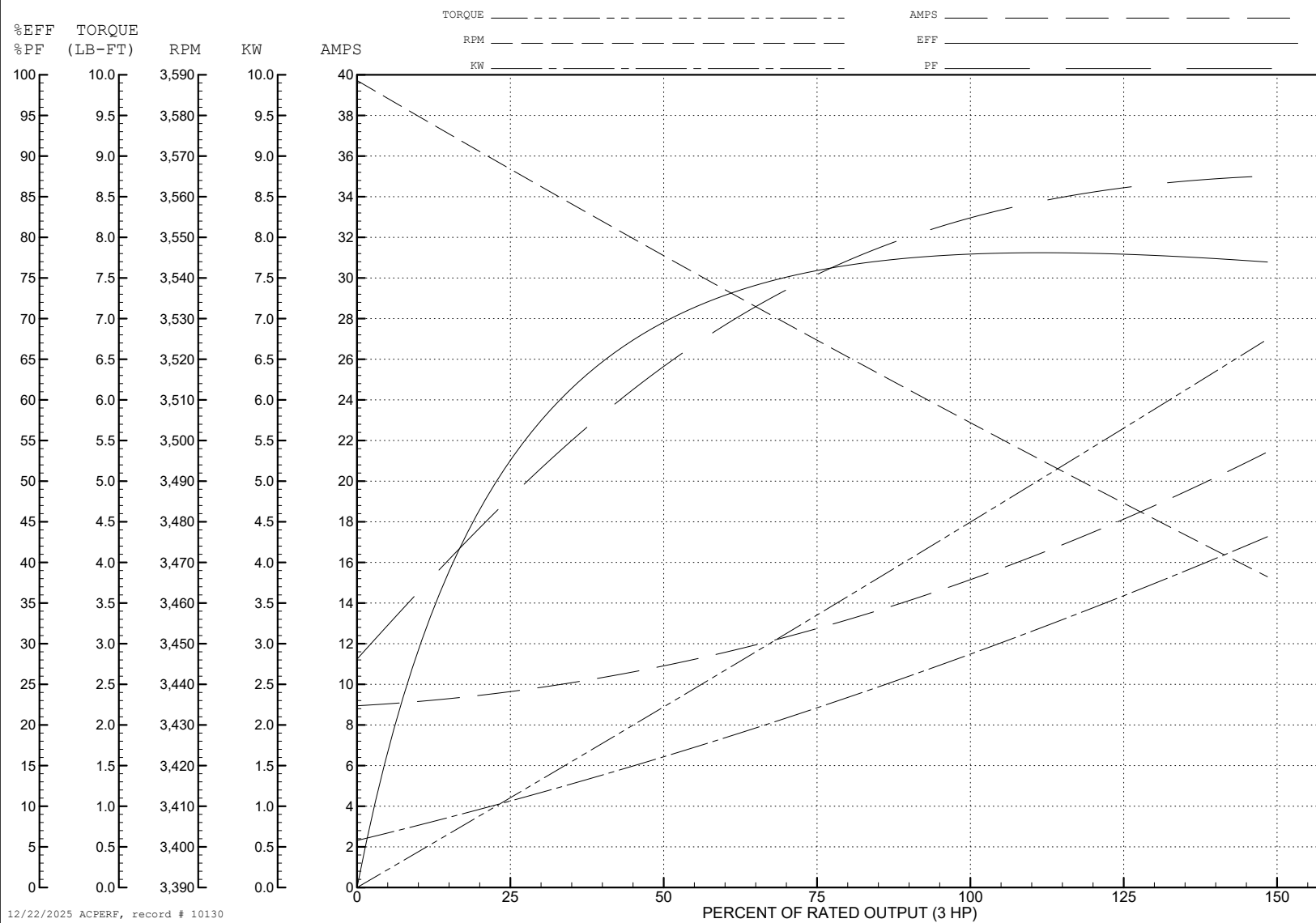
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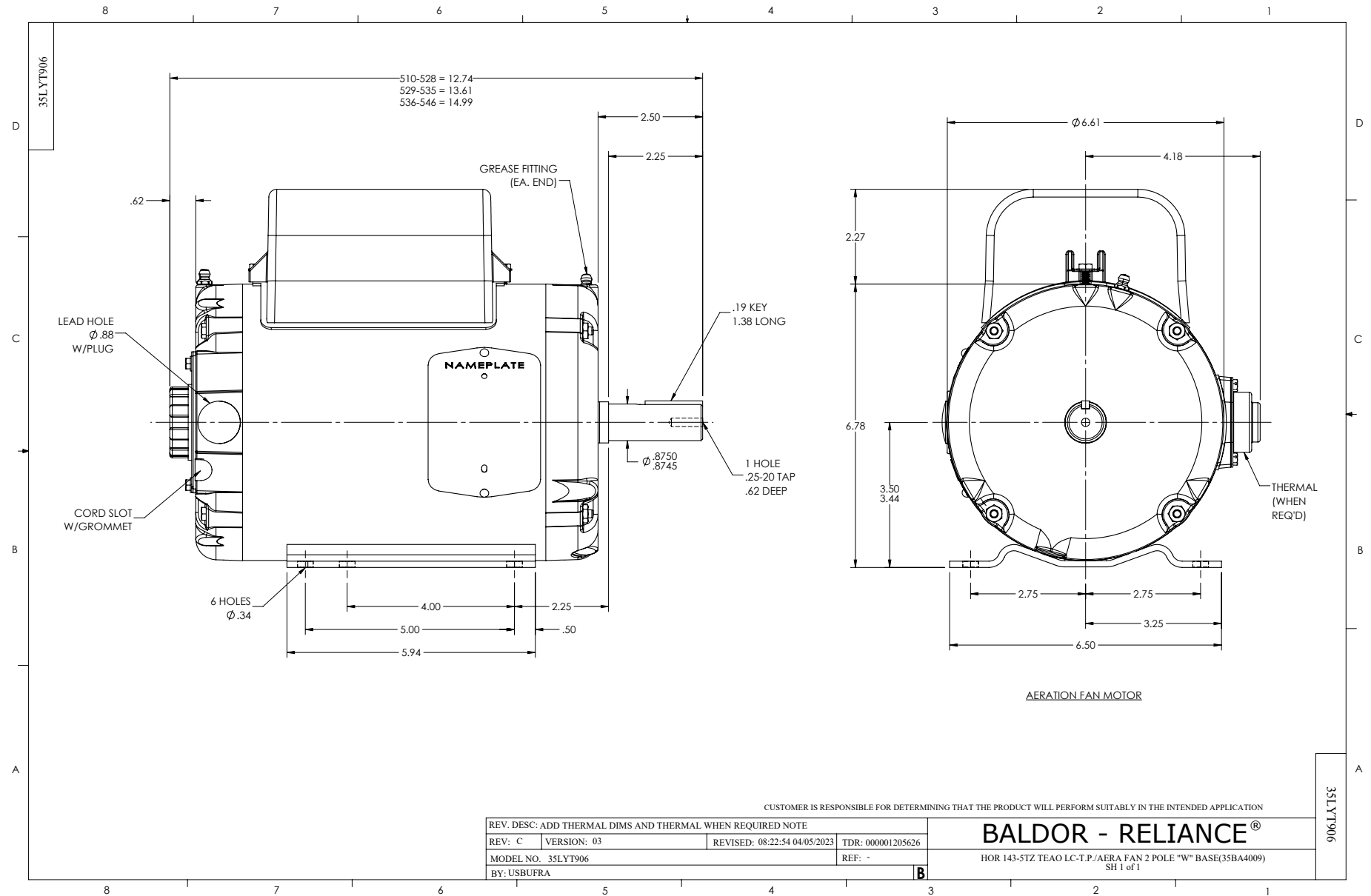
WINDING # 35WGY039

Typical performance - not guaranteed values.

3 HP 1 PH 60 HZ 3450 RPM 230 V 3535LC

TORQUES (LB-FT): PO=14.7 PU=11 LR=13.6 LRA=92





CD0225A02

