



Product Information Packet

CHC3526A

.5HP,825RPM,1PH,60HZ,56Z,3535C,TEAO,F1

Part Detail							
Revision:	AX	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	35WG411	CD Diagram:	CD0381	Mfg Plant:	
Mech. Spec:	35H317	Layout:	35LYH317	Poles:	08	Created Date:	
Base:	RS	Eff. Date:	03-21-2017	Leads:	6#18,1#16 #1TH		

Specs			
Catalog Number:	CHC3526A	Inverter Code:	Not Inverter
Enclosure:	TEAO	KVA Code:	F
Frame:	56Z	Lifting Lugs:	No Lifting Lugs
Frame Material:	Steel	Locked Bearing Indicator:	No Locked Bearing
Output @ Frequency:	.500 HP @ 60 HZ	Motor Lead Quantity/Wire Size:	6 @ 18 AWG
Synchronous Speed @ Frequency:	900 RPM @ 60 HZ	Motor Lead Exit:	Terminal Panel
Voltage @ Frequency:	115.0 V @ 60 HZ	Motor Lead Termination:	None
	230.0 V @ 60 HZ	Motor Type:	3535C
XP Class and Group:	None	Mounting Arrangement:	F1
XP Division:	Not Applicable	Power Factor:	68
Agency Approvals:	UR	Product Family:	General Purpose
	CSA	Pulley End Bearing Type:	Sealed Bearing
Auxiliary Box:	No Auxiliary Box	Pulley Face Code:	Resilient Mount
Auxiliary Box Lead Termination:	None	Pulley Shaft Indicator:	Standard
Base Indicator:	Resilient	Rodent Screen:	None
Bearing Grease Type:	Polyrex EM (-20F +300F)	Shaft Extension Location:	Pulley End
Blower:	None	Shaft Ground Indicator:	No Shaft Grounding
Current @ Voltage:	4.600 A @ 230.0 V	Shaft Rotation:	Reversible: Connected Standard

	9.200 A @ 115.0 V	Shaft Slinger Indicator:	No Slinger
Design Code:	-	Speed Code:	Single Speed
Drip Cover:	No Drip Cover	Motor Standards:	NEMA
Duty Rating:	CONT	Starting Method:	Direct on line
Electrically Isolated Bearing:	Not Electrically Isolated	Thermal Device - Bearing:	NONE (OLD)
Feedback Device:	NO FEEDBACK	Thermal Device - Winding:	None
Front Face Code:	Terminal Panel	Vibration Sensor Indicator:	No Vibration Sensor
Front Shaft Indicator:	None	Winding Thermal 1:	Automatic Thermal Overload
Heater Indicator:	No Heater	Winding Thermal 1 Location:	SB
Insulation Class:	B	Winding Thermal 2:	None

Nameplate NP1280L

CAT.NO.	CHC3526A										
SPEC.	35H317X411										
HP	.5 AIR OVER										
VOLTS	115/230										
AMP	9.2/4.6										
RPM	825										
FRAME	56Z				HZ	60		PH	1		
SER.F.	1.00			CODE	F		DES	-	CL	B	
NEMA-NOM-EFF	50			PF	68						
RATING	40C AMB-CONT										
CC				USABLE AT 208V							
DE	6203			ODE	6203						
ENCL	TEAO			SN							

Parts List		
Part Number	Description	Quantity
SA025342	SA 35H317X411	1.000 EA
RA021392	RA 35H317X411	1.000 EA
OC3010F12SP	CYL OIL CAP 10MFD/370V	1.000 EA
RM1001A01	GROMMET "MIDSTATES"	1.000 EA
53XT0832G07	8-32X7/16 PN STD SR TY23G X	1.000 EA
LD5000A01	LEAD ASSY, ML1400DF14 7" RING TRM EA END	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	2.000 EA
HW1003A10	WASHER, #10 EX TH LK, ZN X	2.000 EA
35EP3102A01SP	FR ENDPLATE, MACH	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	3.000 EA
RM1000A02	CUSHION RING, MODEL 35 SAME AS A07	1.000 EA
HA6005A01	CLAMP, BASE	2.000 EA
12XN1032A18	10-32 X 1 1/4 HEX HD SLTD	1.000 EA
XY1032A02	10-32 HEX NUT DIRECTIONAL SERRATION	1.000 EA
XY1032A02	10-32 HEX NUT DIRECTIONAL SERRATION	1.000 EA
51XB1016A05	10-16X5/16HX WA SL SR TYB (F/S)	2.000 EA
HW5100A03	WAVY WASHER (W1543-017)	1.000 EA
35EP1101A01	PU ENPLATE, MACH	1.000 EA
RM1000A02	CUSHION RING, MODEL 35 SAME AS A07	1.000 EA
XY1032A02	10-32 HEX NUT DIRECTIONAL SERRATION	4.000 EA
HA6005A01	CLAMP, BASE	2.000 EA
12XN1032A18	10-32 X 1 1/4 HEX HD SLTD	1.000 EA
WD4100A01	DP-875 HEYCO PLUG OR 62MP0875 MICRO PLAS	1.000 EA
35CB4500SP	TERMINAL BOX LID STAMPED	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
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
HA7000A04	KEY RETAINER 0.625 DIA SHAFTS	1.000 EA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
MG1025C02	WILKOFASST SG, 787.105, TAN	0.017 GA
34GS5003	OAM SLEEVE, ID = 2 1/16" X 3 3/8"	1.000 EA
SP5078	MODEL 35 TERMINAL PANEL HARDWARE ONLY, N	1.000 EA
35CB4802A02SP	CAPACITOR COVER, STAMPED X	1.000 EA
35GS3001A02	GASKET, CA.COVER, 5.38 LONG .06 CS301	1.000 EA
HA3100A25	THRUBOLT 10-32 X 11.000	4.000 EA
35BA4002C01	RESILIENT BASE, STAMPED	1.000 EA
LB1118	LABEL,WARNING (ROLL LABEL)	1.000 EA
LC0052	CONNECTION LABEL	1.000 EA
NP1280L	ALUM FARM DUTY UL CSA CC THERMAL	1.000 EA
36PA1000	PKG GRP, PRINT PK1016A06	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 5/18	1.000 EA

AC Induction Motor Performance Data

Record # 61973 - Typical performance - not guaranteed values

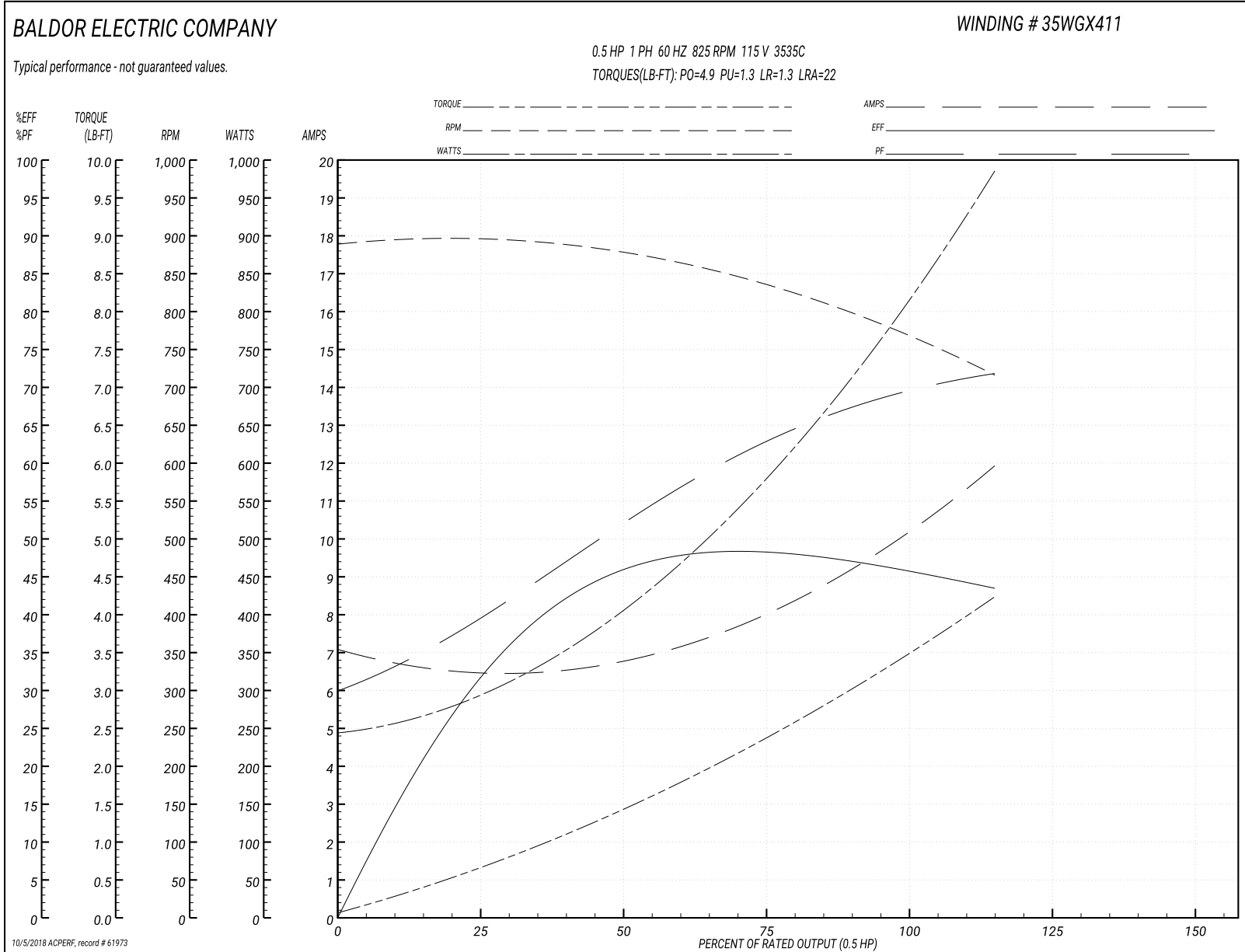
Winding: 35WGX411-R002	Type: 3535C	Enclosure: TEAO
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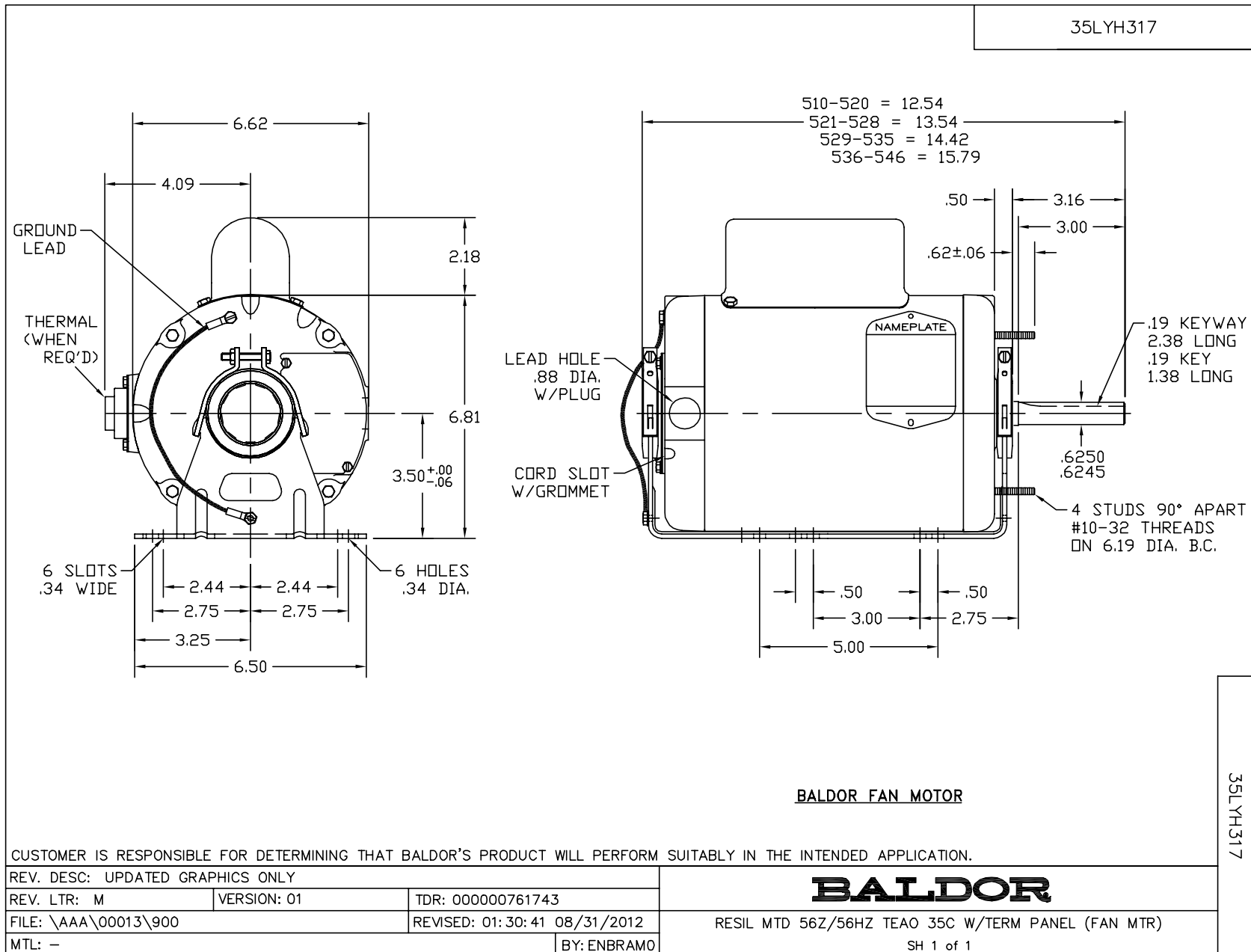
Nameplate Data				115 V, 60 Hz: Low Voltage Connection	
Rated Output (HP)	.5 AIR OVER			Full Load Torque	3.1 LB-FT
Volts	115/230			Start Configuration	direct on line
Full Load Amps	9.2/4.6			Breakdown Torque	4.9 LB-FT
R.P.M.	825			Pull-up Torque	1.3 LB-FT
Hz	60	Phase	1	Locked-rotor Torque	1.3 LB-FT
NEMA Design Code	-	KVA Code	F	Starting Current	22 A
Service Factor (S.F.)	1			No-load Current	6.8 A
NEMA Nom. Eff.	50	Power Factor	68	Line-line Res. @ 25°C	1.45 Ω A Ph 20.2 Ω B Ph
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	84°C
				Locked-rotor Power Factor	72.5
				Rotor inertia	0.207 LB-FT ²

Load Characteristics 115 V, 60 Hz, 0.5 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	40	53	63	69	76	69
Efficiency	31	43	49.1	50	46.1	40
Speed	887	861	841	811	770	649
Line amperes	6.8	7.2	7.8	9	10.6	13.6

Performance Graph at 115V, 60Hz, 0.5HP Typical performance - Not guaranteed values





CD0381

