



Product Information Packet

M1520T

1/.44HP,1725/1140RPM,3PH,60HZ,145T,3528M

Part Detail							
Revision:	N	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	35WGY040	CD Diagram:	CD0013	Mfg Plant:	
Mech. Spec:	35AA001	Layout:	35LYAA001	Poles:	04/06	Created Date:	12-22-2009
Base:	RG	Eff. Date:	03-13-2018	Leads:	6#18		

Specs			
Catalog Number:	M1520T	Heater Indicator:	No Heater
Enclosure:	TEFC	Insulation Class:	F
Frame:	145T	Inverter Code:	Not Inverter
Frame Material:	Steel	KVA Code:	H
Output @ Frequency:	1.000 HP @ 60 HZ	Lifting Lugs:	No Lifting Lugs
	.440 HP @ 60 HZ	Locked Bearing Indicator:	No Locked Bearing
Synchronous Speed @ Frequency:	1200 RPM @ 60 HZ	Motor Lead Quantity/Wire Size:	6 @ 18 AWG
Voltage @ Frequency:	208.0 V @ 60 HZ	Motor Lead Exit:	Ko Box
	230.0 V @ 60 HZ	Motor Lead Termination:	Flying Leads
XP Class and Group:	None	Motor Type:	3528M
XP Division:	Not Applicable	Mounting Arrangement:	F1
Agency Approvals:	UR	Product Family:	General Purpose
	CSA	Pulley End Bearing Type:	Ball
Auxillary Box:	No Auxillary Box	Pulley Face Code:	Standard
Auxillary Box Lead Termination:	None	Pulley Shaft Indicator:	Standard
Base Indicator:	Rigid	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:	3.000 A @ 230.0 V	Shaft Rotation:	Reversible
	3.100 A @ 208.0 V	Shaft Slinger Indicator:	No Slinger
Design Code:	B	Speed Code:	2S-2W-VT
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:	Standard	Vibration Sensor Indicator:	No Vibration Sensor
Front Shaft Indicator:	None	Winding Thermal 1:	None
		Winding Thermal 2:	None

Nameplate NP1256L

CAT.NO.	M1520T									
SPEC.	35AA001Y040G1									
HP	1/.44									
VOLTS	208-230									
AMP	3.1-3/2-2.1									
RPM	1725/1140									
FRAME	145T				HZ		60		PH	3
SER.F.	1.15		CODE		H	DES		B	CLASS	F
NEMA-NOM-EFF				PF						
RATING	40C AMB-CONT									
CC				USABLE AT 208V						
DE	6205			ODE		6203				
ENCL	TEFC		SN							

Parts List		
Part Number	Description	Quantity
SA189001	SA 35AA001Y040G1	1.000 EA
RA176720	RA 35AA001Y040G1	1.000 EA
NS2512A01	INSULATOR, CONDUIT BOX X	1.000 EA
35CB3009	35 CB W/1.09 DIA. LEAD HOLE @ 6:	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
35EP3122A00	MASTER ODE,203 BRG,.683SH,#26 DRN,GRSR,F	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
HW5100A03	WAVY WASHER (W1543-017)	1.000 EA
35EP3123F00	MASTER DE,205 BRG,.998SH,#26 DRN,GRSR	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
XY1032A02	10-32 HEX NUT DIRECTIONAL SERRATION	4.000 EA
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 EA
35FH4005A84SP	IEC FH W/GRSR, NO DIMPLES PRIMED	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 EA
35CB4521GX	CONDUIT BOX LID KIT **ORDER INDIV PARTS	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 EA
HW2501D13	KEY, 3/16 SQ X 1.375	1.000 EA
HA7000A01	KEY RETAINER 7/8" DIA SHAFT	1.000 EA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
35FN3002A05SP	EXFN, PLASTIC, 6.376 OD, .638 ID	1.000 EA
MG1000G27	MED CHARCOAL METALLIC GREY 400-0096	0.017 GA

Parts List (continued)		
Part Number	Description	Quantity
HA3100A18	THRUBOLT 10-32 X 9.250	4.000 EA
LB1119N	WARNING LABEL	1.000 EA
LC0013	CONNECTION LABEL	1.000 EA
NP1256L	ALUM UL CSA CC INDUSTRIAL MOTOR A60	1.000 EA
36PA1000	PKG GRP, PRINT PK1016A06	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 5/18	1.000 EA
PE-0000001	ZRTG PE ASSEMBLY	1.000 EA
FE-0000001	ZRTG FE ASSEMBLY	1.000 EA

Accessories		
Part Number	Description	Multiplier
35-8762	C FACE KIT	A8
35EP1506A01SP	D-FLANGE KIT	A8

AC Induction Motor Performance Data

Record # 61342 - Typical performance - not guaranteed values

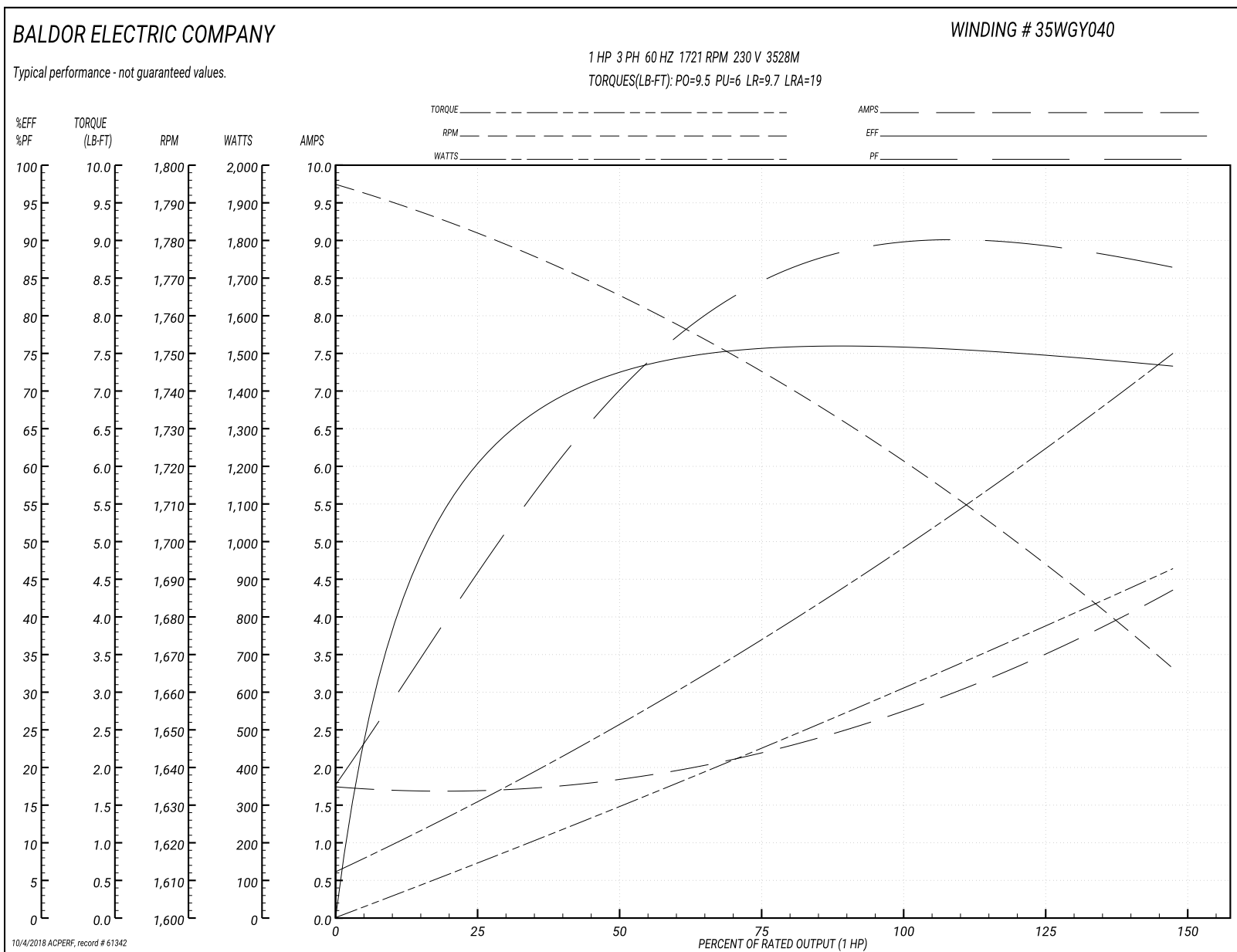
Winding: 35WGY040-R009	Type: 3528M	Enclosure: TEFC
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Nameplate Data				230 V, 60 Hz: Single Voltage Motor	
Rated Output (HP)	1/.44			Full Load Torque	3.1 LB-FT
Volts	208-230			Start Configuration	direct on line
Full Load Amps	3.1-3/2-2.1			Breakdown Torque	9.5 LB-FT
R.P.M.	1725/1140			Pull-up Torque	6 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	9.7 LB-FT
NEMA Design Code	B	KVA Code	H	Starting Current	19 A
Service Factor (S.F.)	1.15			No-load Current	1.8 A
NEMA Nom. Eff.	0	Power Factor	0	Line-line Res. @ 25°C	7.5 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	61°C
S.F. Amps				Temp. Rise @ S.F. Load	72°C
				Locked-rotor Power Factor	83.8
				Rotor inertia	0.166 LB-FT ²

Load Characteristics 230 V, 60 Hz, 1 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	43	99	76	83	87	90	85
Efficiency	59.7	72	75.9	76.3	75.3	72.9	75.7
Speed	1780	1763	1743	1721	1695	1665	1705
Line amperes	1.9	1.2	2.5	3	3.6	4.2	3.36

Performance Graph at 230V, 60Hz, 1.0HP Typical performance - Not guaranteed values



AC Induction Motor Performance Data

Record # 61343 - Typical performance - not guaranteed values

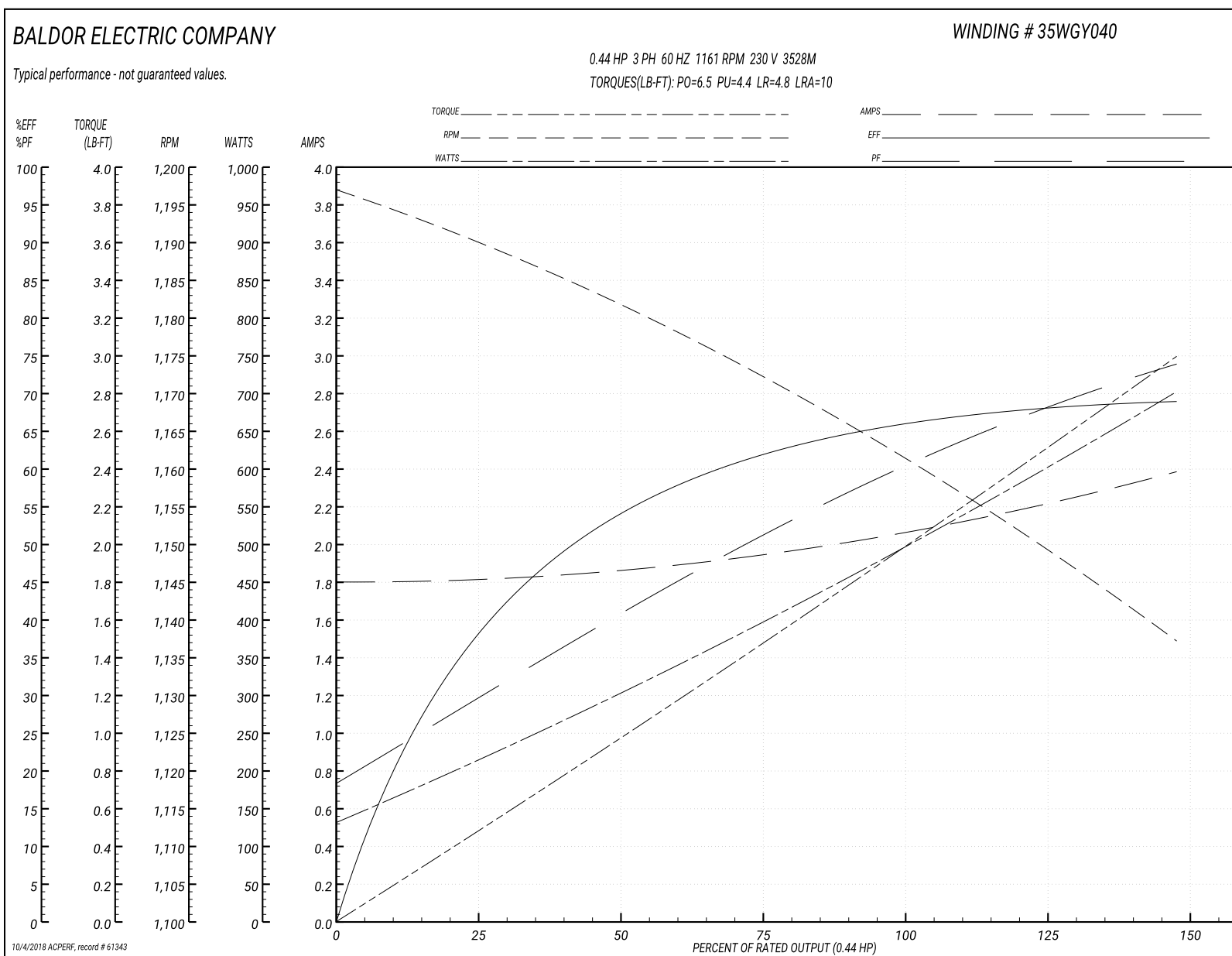
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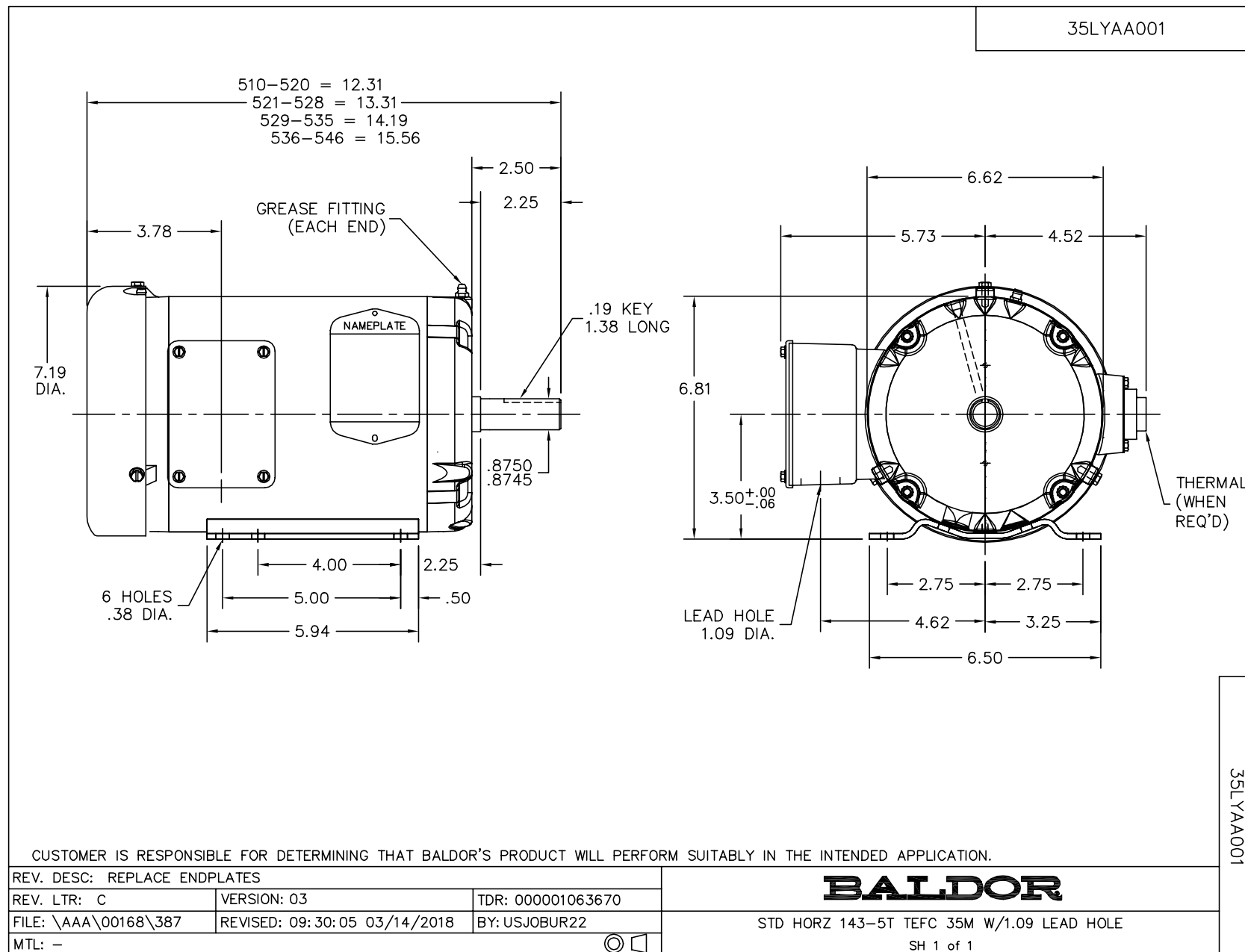
Nameplate Data				230 V, 60 Hz: Single Voltage Motor	
Rated Output (HP)	1/.44			Full Load Torque	2 LB-FT
Volts	208-230			Start Configuration	direct on line
Full Load Amps	3.1-3/2-2.1			Breakdown Torque	6.5 LB-FT
R.P.M.	1725/1140			Pull-up Torque	4.4 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	4.8 LB-FT
NEMA Design Code	B	KVA Code	H	Starting Current	10 A
Service Factor (S.F.)	1.15			No-load Current	1.8 A
NEMA Nom. Eff.	0	Power Factor	0	Line-line Res. @ 25°C	14.2 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	47°C
S.F. Amps				Temp. Rise @ S.F. Load	51°C
				Locked-rotor Power Factor	82
				Rotor inertia	0.166 LB-FT ²

Load Characteristics 230 V, 60 Hz, 0.44 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	31	41	52	61	68	74	65
Efficiency	38.2	54.3	62.3	66.4	68.3	68.7	67.5
Speed	1190	1181	1172	1161	1150	1137	1154
Line amperes	1.8	1.9	1.95	2.05	2.2	2.4	2.14

Performance Graph at 230V, 60Hz, 0.44HP Typical performance - Not guaranteed values





35LYAA001

