



Product Information Packet

M7006A

.5HP,1725RPM,3PH,60HZ,56,X3416M,XPFC,F1

Part Detail							
Revision:	AF	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	34WG1543	CD Diagram:	CD0007	Mfg Plant:	
Mech. Spec:	34-5323	Layout:	34LY5323	Poles:	04	Created Date:	
Base:	RG	Eff. Date:	10-19-2016	Leads:	12#18		

Specs			
Catalog Number:	M7006A	Insulation Class:	B
Enclosure:	XPFC	Inverter Code:	Not Inverter
Frame:	56	KVA Code:	L
Frame Material:	Steel	Lifting Lugs:	No Lifting Lugs
Output @ Frequency:	.500 HP @ 60 HZ	Locked Bearing Indicator:	No Locked Bearing
Synchronous Speed @ Frequency:	1800 RPM @ 60 HZ	Motor Lead Quantity/Wire Size:	12 @ 18 AWG
Voltage @ Frequency:	208.0 V @ 60 HZ	Motor Lead Exit:	Ko Box
	230.0 V @ 60 HZ	Motor Lead Termination:	Flying Leads
	460.0 V @ 60 HZ	Motor Type:	3416M
XP Class and Group:	CLI GP D; CLII GP F,G	Mounting Arrangement:	F1
XP Division:	Division I	Power Factor:	63
Agency Approvals:	UR	Product Family:	Hazardous Location Motor
	UL	Pulley End Bearing Type:	Ball
	CSA	Pulley Face Code:	Standard
Auxillary Box:	No Auxillary Box	Pulley Shaft Indicator:	Standard
Auxillary Box Lead Termination:	None	Rodent Screen:	None
Base Indicator:	Rigid	RoHS Status:	ROHS COMPLIANT
Bearing Grease Type:	Polyrex EM (-20F +300F)	Shaft Extension Location:	Pulley End

Blower:	None	Shaft Ground Indicator:	No Shaft Grounding
Current @ Voltage:	1.000 A @ 460.0 V	Shaft Rotation:	Reversible
	2.000 A @ 230.0 V	Shaft Slinger Indicator:	No Slinger
	2.100 A @ 208.0 V	Speed Code:	Single Speed
Design Code:	B	Motor Standards:	NEMA
Drip Cover:	No Drip Cover	Starting Method:	Direct on line
Duty Rating:	CONT	Thermal Device - Bearing:	NONE (OLD)
Electrically Isolated Bearing:	Not Electrically Isolated	Thermal Device - Winding:	None
Feedback Device:	NO FEEDBACK	Vibration Sensor Indicator:	No Vibration Sensor
Front Face Code:	Standard	Winding Thermal 1:	Automatic Thermal Overload
Front Shaft Indicator:	None	Winding Thermal 1 Location:	SB
Heater Indicator:	No Heater	Winding Thermal 2:	None
		XP Temp Code:	T3C

Nameplate NP0016XPSL

NO.		CC	
SER.			
SPEC.	34-5323-1543		
CAT.NO.	M7006A		
HP	.5	T. CODE	T3C
VOLTS	208-230/460		
AMPS	2.1-2/1		
RPM	1725		
HZ	60	PH	3
SER.F.	1.00	DES	B
RATING	40C AMB-CONT	CL	B
FRAME	56	CODE	L
USABLE AT 208V	2.1		
BLANK			

Parts List		
Part Number	Description	Quantity
SA008945	SA 34-5323-1543	1.000 EA
RA005392	RA 34-5323-1543	1.000 EA
TPMYJ70KX	THERMAL 3PH 0.75 AUT 120C	1.000 EA
MJ5000A01	SEALANT, CHICO A COMPOUND	0.050 LB
35CB3001A01SP	EXPL CONDUIT BOX, MACH, 1/2" PIPE TAP LE	1.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
HW3001B01	BRASS CUP WASHER, FOR #10 SCREW	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	2.000 EA
34EP3703A01	FR ENDPLATE, MACH XP	1.000 EA
HW4002A02	1-11.5X2LG PIPE NIPPLE (F/S)	1.000 EA
HA1025A13	WSHR,FELT,.38" THICK F-26 CLASS	1.000 EA
HW3021E06	1/8 DIA X 5/8 ROLLPIN (F/S)	1.000 EA
HW5100A03	WAVY WASHER (W1543-017)	1.000 EA
34EP3704A01	PU ENDPLATE, MACH XP	1.000 EA
XY3118A12	5/16-18 HEX NUT DIRECTIONAL SERRATION	4.000 EA
34FN3002A01SP	EXTERNAL FAN, PLASTIC, .637/.639 HUB W/	1.000 EA
34FH4002A01SP	IEC FH NO GREASER PRIMED	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 EA
35CB3500A01SP	CONDUIT BOX LID, MACH	1.000 EA
51XN2520A16	SCREW, HEX WS SLT, ZN, 1/4-20 X 1.00	4.000 EA
HW2501D13	KEY, 3/16 SQ X 1.375	1.000 EA
HA7000A04	KEY RETAINER 0.625 DIA SHAFTS	1.000 EA
NP0018W	ALUM UL XP CONDUIT BOX NAMEPLATE	1.000 EA
HA6001A01	THERMAL RETAINER (PLATED)	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
NS2500A05	INSULATOR, AUTO THER PROT	1.000 EA
12XF0632A06	6-32X3/8 TY F HEX HD SLT	2.000 EA
MG1025G29	WILKOFAS, 789.229, DARK CHARCOAL GRAY	0.014 GA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	6.000 EA
SP5037A01	TERMINAL PLATE ASS'Y MODEL 34 - 3 PHASE	1.000 EA
WD1000A16	2-520128-2 AMP FLAG TERMINAL(4M/RL)	12.000 EA
WD1000A16	2-520128-2 AMP FLAG TERMINAL(4M/RL)	12.000 EA
HA3104A05	THRUBOLT, 5/16-18 X 8.375	4.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 5/18	1.000 EA
LB1118	LABEL,WARNING (ROLL LABEL)	1.000 EA
LC0007	CONNECTION LABEL	1.000 EA
NP0016XPSL	SS XP UL CSA CC CL-I GP-D CL-II GP-F&G	1.000 EA
35PA1000	PKG GRP, PRINT PK1008A06	1.000 EA

AC Induction Motor Performance Data

Record # 6627 - Typical performance - not guaranteed values

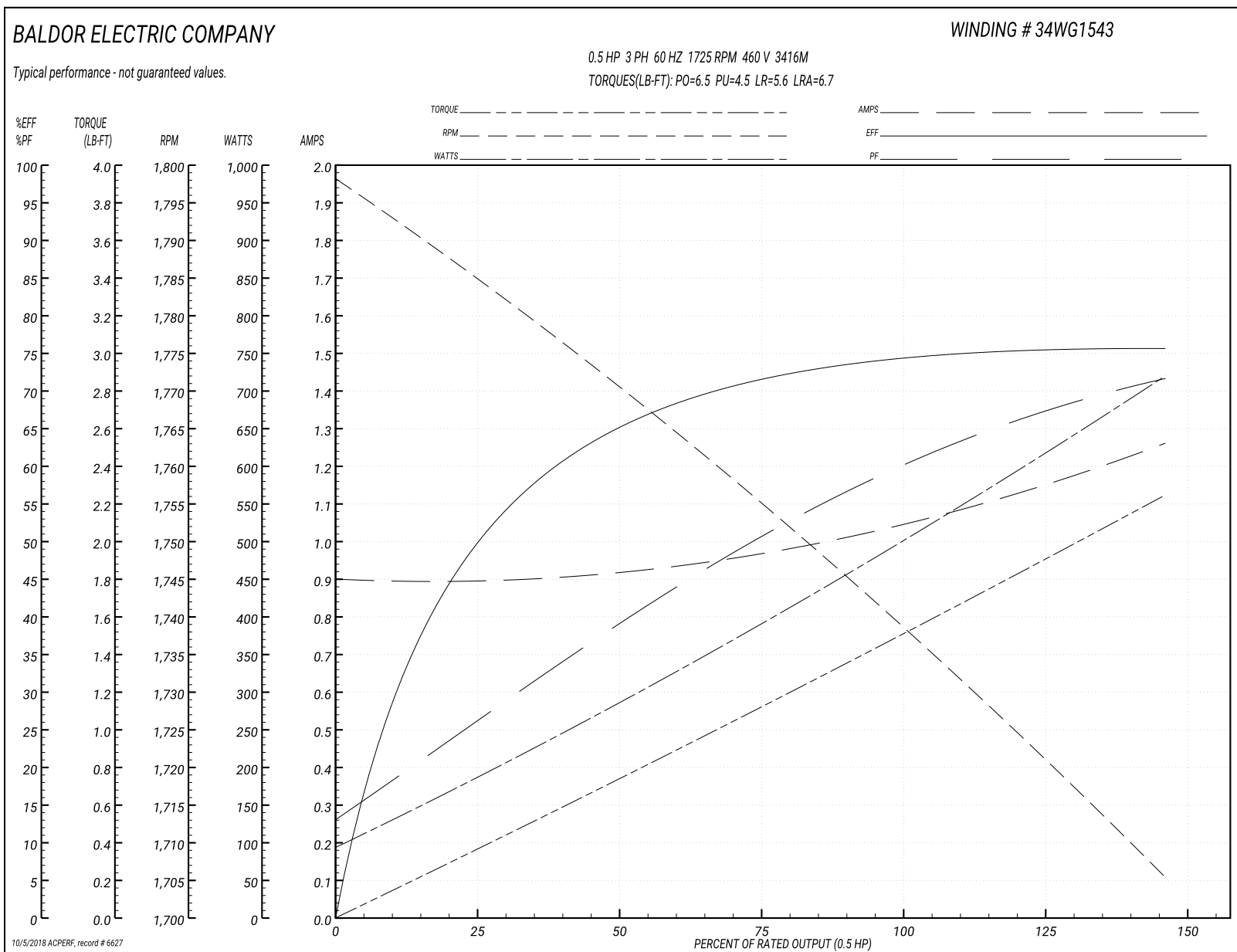
Winding: 34WG1543-R002	Type: 3416M	Enclosure: XPFC
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Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	.5			Full Load Torque	1.5 LB-FT
Volts	208-230/460			Start Configuration	direct on line
Full Load Amps	2.1-2/1			Breakdown Torque	6.5 LB-FT
R.P.M.	1725			Pull-up Torque	4.5 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	5.6 LB-FT
NEMA Design Code	B	KVA Code	L	Starting Current	6.7 A
Service Factor (S.F.)	1			No-load Current	0.89 A
NEMA Nom. Eff.	74	Power Factor	63	Line-line Res. @ 25°C	33 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	59°C

Load Characteristics 460 V, 60 Hz, 0.5 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	27	39	51	60	67	72
Efficiency	49.8	65	71.7	74.5	75.6	75.5
Speed	1785	1770	1756	1737	1724	1705
Line amperes	0.9	0.94	0.98	1	1.15	1.27

Performance Graph at 460V, 60Hz, 0.5HP Typical performance - Not guaranteed values



AC Induction Motor Performance Data

Record # 20790 - Typical performance - not guaranteed values

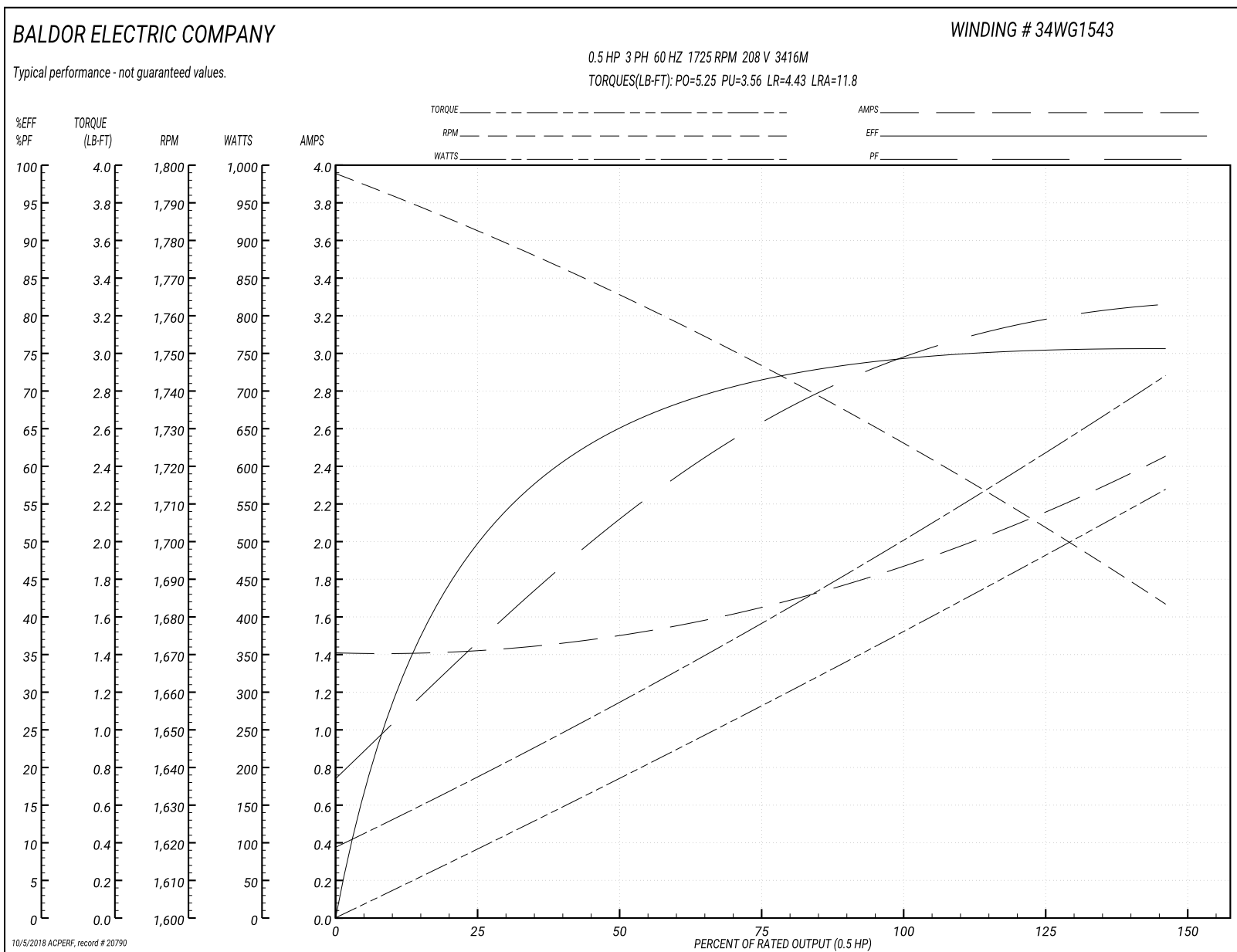
Winding: 34WG1543-R002	Type: 3416M	Enclosure: XPFC
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Nameplate Data				208 V, 60 Hz: Low Voltage Connection	
Rated Output (HP)	.5			Full Load Torque	1.51 LB-FT
Volts	208-230/460			Start Configuration	direct on line
Full Load Amps	2.1-2/1			Breakdown Torque	5.25 LB-FT
R.P.M.	1725			Pull-up Torque	3.56 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	4.43 LB-FT
NEMA Design Code	B	KVA Code	L	Starting Current	11.8 A
Service Factor (S.F.)	1			No-load Current	1.39 A
NEMA Nom. Eff.	74	Power Factor	63	Line-line Res. @ 25°C	8.35 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	50°C
				Locked-rotor Power Factor	65
				Rotor inertia	0.0381 LB-FT ²

Load Characteristics 208 V, 60 Hz, 0.5 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	37	52	65	77	79	81
Efficiency	49.3	64.9	71.8	74.4	75.5	75.5
Speed	1782	1765	1748	1725	1707	1683
Line amperes	1.43	1.54	1.67	1.79	2.14	2.47

Performance Graph at 208V, 60Hz, 0.5HP Typical performance - Not guaranteed values



AC Induction Motor Performance Data

Record # 69785 - Typical performance - not guaranteed values

Winding: 34WG1543-R002	Type: 3416M	Enclosure: XPFC
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Nameplate Data				230 V, 60 Hz: Low Voltage Connection	
Rated Output (HP)	.5			Full Load Torque	1.5 LB-FT
Volts	208-230/460			Start Configuration	direct on line
Full Load Amps	2.1-2/1			Breakdown Torque	6.5 LB-FT
R.P.M.	1725			Pull-up Torque	4.5 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	5.6 LB-FT
NEMA Design Code	B	KVA Code	L	Starting Current	13.4 A
Service Factor (S.F.)	1			No-load Current	1.78 A
NEMA Nom. Eff.	74	Power Factor	63	Line-line Res. @ 25°C	8.34 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	59°C
S.F. Amps				Temp. Rise @ S.F. Load	68°C
				Locked-rotor Power Factor	66.1
				Rotor inertia	0.0381 LB-FT ²

Load Characteristics 230 V, 60 Hz, 0.5 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	27	39	50	62	66	71
Efficiency	49.8	65	72.1	74.4	75.8	75.4
Speed	1785	1770	1756	1737	1724	1705
Line amperes	1.8	1.88	1.96	2	2.3	2.54

Performance Graph at 230V, 60Hz, 0.5HP Typical performance - Not guaranteed values

