

BALDOR® • RELIANCE

Product Information Packet

EM7034T-I

1.5//1HP,1760//1460 75CRISERPM,3PH,60//5

Part Detail							
Revision:	K	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3526M	Elec. Spec:	35WGM493	CD Diagram:	CD0005
Enclosure:	XPFC	Mfg Plant:		Mech. Spec:	35X081	Layout:	35LYX081
Frame:	145T	Mounting:	F1	Poles:	04	Created Date:	09-27-2010
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	05-16-2014
Leads:	9#18					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP0977XPSL								
NO.		CC	010A					
SER.		TEMP CODE	T3C					
SPEC.	35X081M493G1							
CAT.NO.	EM7034T-I							
HP	1.5//1							
VOLTS	230/460//190/380							
AMPS	4.4/2.2//3.8/1.9							
RPM	1760//1460 75CRISE	MOTOR WEIGHT	50 LBS					
HERTZ	60//50	PH	3	CL	F	DE BRG	6205	
SER.F.	1.15	DES	B	CODE	L	ODE BRG	6203	
FRAME	143T	GREASE	POLYREX EM					
RATING	40C AMB-CONT							
USABLE AT 208V	4.5	NEMA-NOM-EFF	86.5	PF	73			
	55C AMB AT 1.0 SF							

Parts List		
Part Number	Description	Quantity
SA203670	SA 35X081M493G1	1.000 EA
RA190930	RA 35X081M493G1	1.000 EA
34FN3002B01	EXTERNAL FAN, PLASTIC, .637/.639 HUB W/	1.000 EA
35CB1005A01	CONDUIT BOX,MACH - GROUP "C" MTRS	1.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
HW3001B01	003SS CUP WASHER, FOR #8 SCREW	1.000 EA
35EP1715A08	FREP XPFC 203 BRG GROUP "C" W/DRAIN	1.000 EA
HW4506A02	BREATHER/DRAIN-EXP PROOF-.125-27 NPTF AI	1.000 EA
HW3022E05	.125 DIA X .500 ROLLED SPRING PIN	1.000 EA
HW5100A03SP	WAVY WASHER (W1543-017)	1.000 EA
35EP3701B05	PUEP X-PROOF - 205 BRG GROUP C&E	1.000 EA
HA2009A86	SLINGER FOR GROUP E MTRS - 205 BRG.	1.000 EA
80XN0632J06	SET SCREW, 6-32 X 3/8", HEX SOCKET, AS	1.000 EA
HW4506A02	BREATHER/DRAIN-EXP PROOF-.125-27 NPTF AI	1.000 EA
HW3022E05	.125 DIA X .500 ROLLED SPRING PIN	1.000 EA
35FH4005A01SP	IEC FH NO GREASER W/AUTOPHORETIC PRIMER	1.000 EA
XY3118A12	5/16-18 HEX NUT DIRECTIONAL SERRATION	4.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 EA
35CB1501A01	CONDUIT BOX LID, MACH. - GROUP "C" MTRS	1.000 EA
RM1020A41	O-RING, -150 BUNA-N, .103 CS X 2.862 ID	1.000 EA
LB1359	ALUM XP CAUTION LABEL	1.000 EA
HW2501D13SP	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	6.000 EA

Parts List (continued)		
Part Number	Description	Quantity
MJ1000A75	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 EA
MG1025G29	MUNSELL 4.5Y 5.3/0.7 DARK CHARCOAL GREY	0.017 GA
MG1025Z20	ACTIVATOR WILKOFAS 060.32	0.010 GA
HA3104A08	THRUBOLT-5/16-18X9.375 X X	4.000 EA
LB1119N	WARNING LABEL	1.000 EA
LB1125C02	SUPER-E (STOCK CTN LABEL SUPER-E WITH FL	1.000 EA
LC0145B01	CONNECTION LABEL	1.000 EA
NP0977XPSL	SS XP UL CSA CC CL-I GP-C&D	1.000 EA
36PA1000	PACK GROUP W/LB5001	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 10/13	1.000 EA

AC Induction Motor Performance Data

Record # 34480 - Typical performance - not guaranteed values

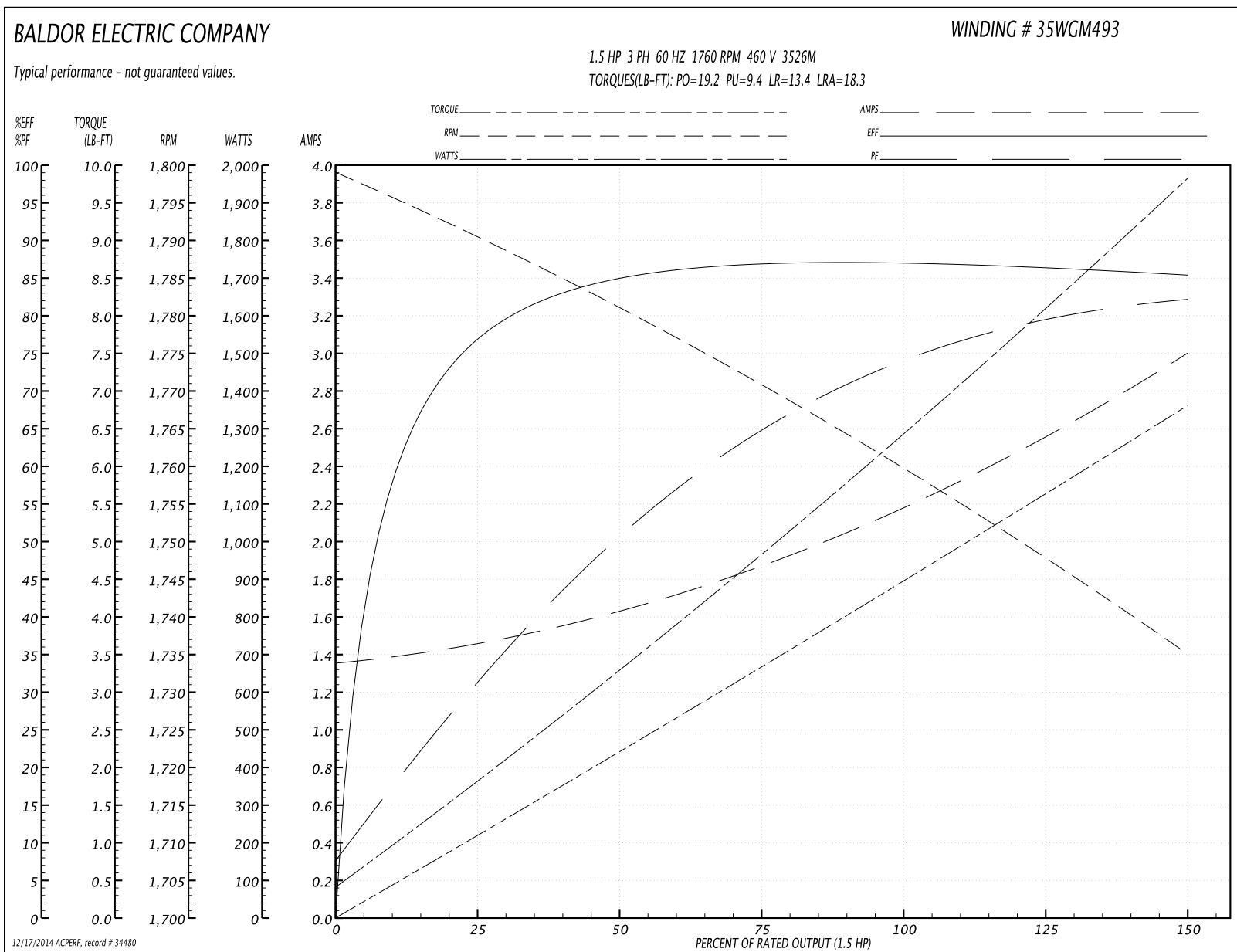
Winding: 35WGM493-R005	Type: 3526M	Enclosure: XPFC
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Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	1.5//1			Full Load Torque	4.47 LB-FT
Volts	230/460//190/380			Start Configuration	direct on line
Full Load Amps	4.4/2.2//3.8/1.9			Breakdown Torque	19.2 LB-FT
R.P.M.	1760//1460			Pull-up Torque	9.4 LB-FT
Hz	60//50	Phase	3	Locked-rotor Torque	13.4 LB-FT
NEMA Design Code	B	KVA Code	L	Starting Current	18.3 A
Service Factor (S.F.)	1.15			No-load Current	1.37 A
NEMA Nom. Eff.	86.5	Power Factor	73	Line-line Res. @ 25°C	10.7 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	44°C
S.F. Amps				Temp. Rise @ S.F. Load	52°C
				Rotor inertia	0.154 LF ²

Load Characteristics 460 V, 60 Hz, 1.5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	31	51	65	73	79	83	77
Efficiency	76.2	84.5	86.9	87.2	86.5	85.3	86.8
Speed	1791	1781	1771	1760	1748	1735	1753
Line amperes	1.44	1.61	1.86	2.19	2.58	2.98	2.42

Performance Graph at 460V, 60Hz, 1.5HP Typical performance - Not guaranteed values



AC Induction Motor Performance Data

Record # 46474 - Typical performance - not guaranteed values

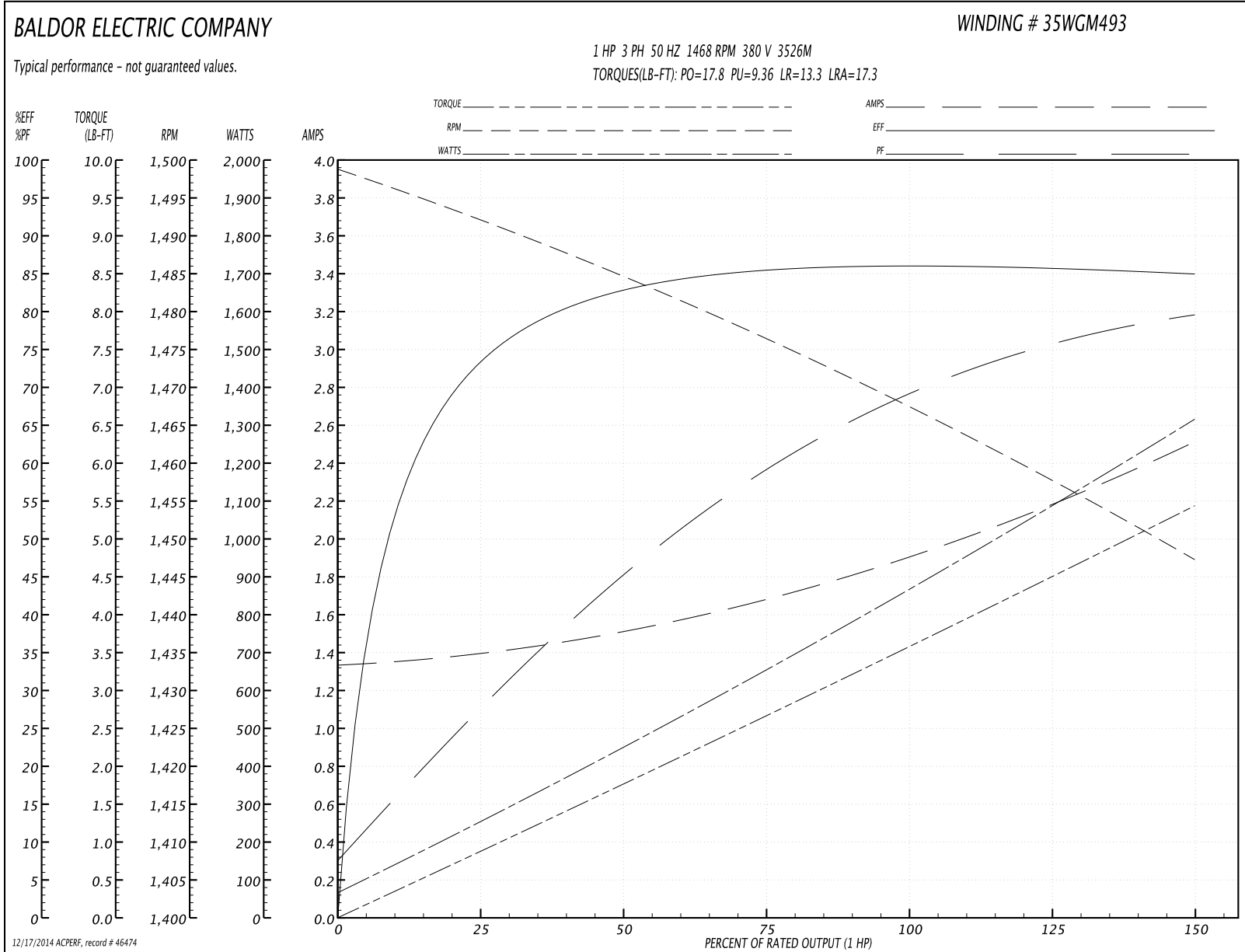
Winding: 35WGM493-R005	Type: 3526M	Enclosure: XPFC
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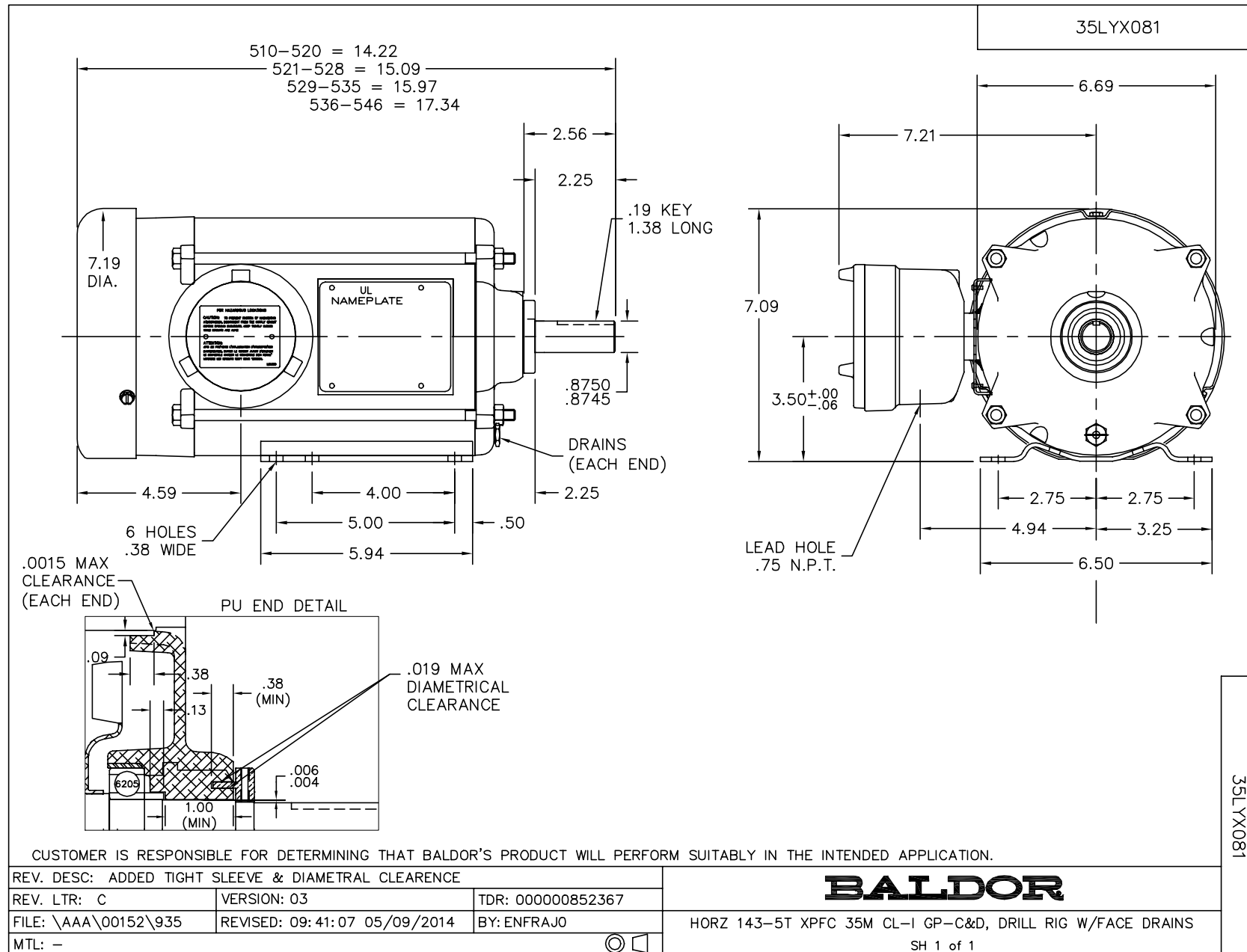
Nameplate Data				380 V, 50 Hz: High Voltage Connection	
Rated Output (HP)	1.5//1			Full Load Torque	3.57 LB-FT
Volts	230/460//190/380			Start Configuration	direct on line
Full Load Amps	4.4/2.2//3.8/1.9			Breakdown Torque	17.8 LB-FT
R.P.M.	1760//1460			Pull-up Torque	9.36 LB-FT
Hz	60//50	Phase	3	Locked-rotor Torque	13.3 LB-FT
NEMA Design Code	B	KVA Code	L	Starting Current	17.3 A
Service Factor (S.F.)	1.15			No-load Current	1.34 A
NEMA Nom. Eff.	86.5	Power Factor	73	Line-line Res. @ 25°C	10.1 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	35°C
S.F. Amps				Temp. Rise @ S.F. Load	41°C
				Rotor inertia	0.154 LF ²

Load Characteristics 380 V, 50 Hz, 1 HP

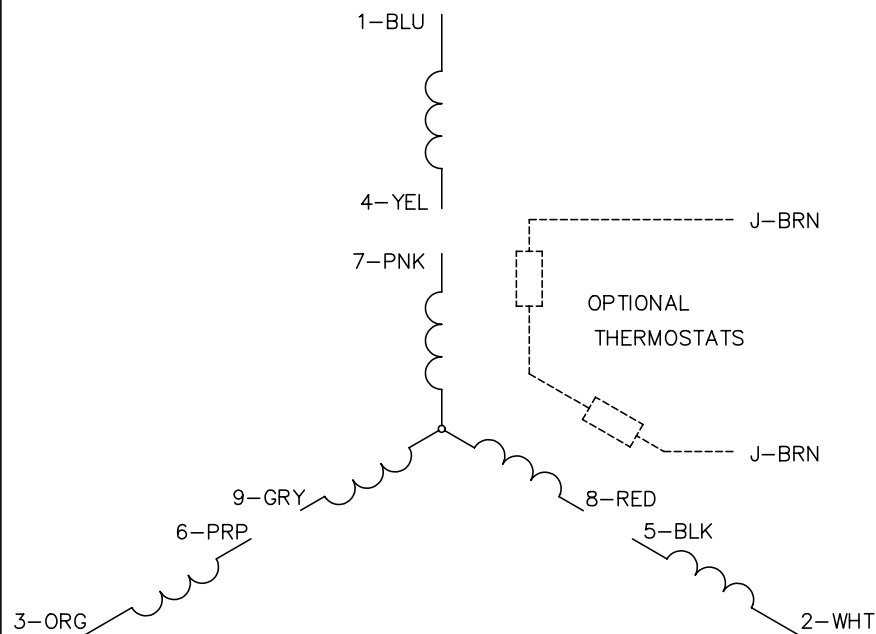
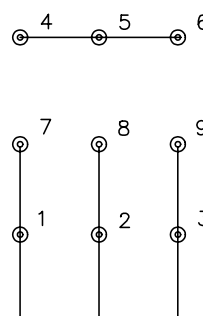
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	27	45	59	69	75	80	73
Efficiency	72.8	82.3	85.4	86.2	85.9	84.9	86
Speed	1492	1485	1476	1468	1458	1447	1462
Line amperes	1.39	1.5	1.67	1.91	2.2	2.5	2.08

Performance Graph at 380V, 50Hz, 1.0HP Typical performance - Not guaranteed values

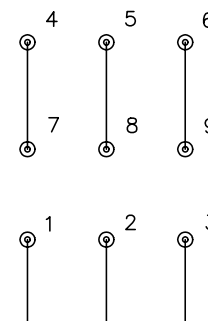




CD0005

LOW VOLTAGE
(2Y)

LINE

HIGH VOLTAGE
(1Y)

LINE

NOTES:

1. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
2. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
3. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY BE A MULTIPLE OF THOSE SHOWN ABOVE.
4. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

REV. DESC: REVISE TO SHOW OPTIONAL COLORS

REV. LTR: E

BY: JLP

REVISED: 01/19/99 10:15

TDR: 0171435

900000

FILE: AAA00005140

MDL: -

MTL: -

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS

CD0005