

BALDOR® • RELIANCE

Product Information Packet

CEM7054T

15//10HP,1765//1470RPM,3PH,60/50HZ,254TC

Part Detail							
Revision:	J	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	0942M	Elec. Spec:	09WGW980	CD Diagram:	CD0005
Enclosure:	XPFC	Mfg Plant:		Mech. Spec:	09E689	Layout:	09LYE689
Frame:	254TC	Mounting:	F1	Poles:	04	Created Date:	06-14-2010
Base:	RG	Rotation:	R	Insulation:	B	Eff. Date:	07-30-2014
Leads:	9#12					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1426XPSL						
NO.		CC	010A			
SER.						
SPEC.	09E689W980G5					
CAT.NO.	CEM7054T					
HP	15//10	T. CODE	T3C			
VOLTS	230/460//190/380					
AMPS	36/18//28.8/14.4					
RPM	1765//1470					
HZ	60//50	PH	3	CL	B	
SER.F.	1.00	DES	B	CODE	H	
RATING	40C AMB-CONT					
FRAME	254TC	NEMA-NOM-EFF	92.4			
USABLE AT 208V	37	PF	84			
BLANK						

Parts List		
Part Number	Description	Quantity
SA198394	SA 09E689W980G5	1.000 EA
RA185762	RA 09E689W980G5	1.000 EA
MJ5000A01	SEALANT, CHICO A COMPOUND	0.050 LB
09CB1000A01SP	CONDUIT BOX, MACH	1.000 EA
10XN3118K16	5/16-18 X 1" GRADE #5, STL, ZINC PLATE	4.000 EA
HW1001A31	LOCKWASHER 5/16, ZINC PLT .591 OD, .319 I	4.000 EA
WD1000B16	T&B CX70TN TERMINAL	1.000 EA
10XN2520K06	1/4-20 X 3/8" HX HD SCREW GRADE 5, ZINC P	1.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	1.000 EA
09EP1700A01	FR ENDPLATE, MACH	1.000 EA
10XN3816K28	3/8-16 X 1.75 HEX HD CAP SCREW, GRADE 5	4.000 EA
HW1001A38	LOCKWASHER 3/8, ZINC PLT .688 OD, .382 I	4.000 EA
HW5100A08	W3118-035 WVY WSHR (WB)	1.000 EA
HA2002A05	SPACER, #208 BRG	1.000 EA
10XN2520K36	1/4-20 X 2.25" HX HD SCRW GRADE 5, ZINC P	4.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	4.000 EA
09EP1708A02	FACE MTD. ENDPLATE, MACH X-PROOF (NEW DE	1.000 EA
10XN3816K28	3/8-16 X 1.75 HEX HD CAP SCREW, GRADE 5	4.000 EA
HW1001A38	LOCKWASHER 3/8, ZINC PLT .688 OD, .382 I	4.000 EA
09FH1004A01	FAN COVER, MACH	1.000 EA
10XN2520K14	1/4-20 X .88 HEX GRD 5 (20001)	3.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	3.000 EA
09CB1500A01SP	CONDUIT BOX LID, MACH	1.000 EA
10XN2520K16	1/4-20 X 1" HX HD SCRW GRADE 5, ZINC P	6.000 EA

Parts List (continued)		
Part Number	Description	Quantity
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	6.000 EA
HW2501G25	KEY, 3/8 SQ X 2.875	1.000 EA
LB1115N	LABEL,LIFTING DEVICE (ON ROLLS)	1.000 EA
LB1073	ALUM XP CAUTION LABEL	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 10/13	1.000 EA
HW4500A20	1/8NPT SL PIPE PLUG	2.000 EA
MJ1000A75	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.080 LB
HW4500A20	1/8NPT SL PIPE PLUG	2.000 EA
09FN3001D01SP	EXTERNAL FAN, PLASTIC	1.000 EA
HW2500A25	WOODRUFF KEY USA #1008 #BLOW CARBON STEE	1.000 EA
51XB1214A20	12-14X1.25 HXWSSLD SERTYB	1.000 EA
MG1025G05	MEDIUM CHARCOAL METALLIC GREY	0.050 GA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	6.000 EA
LB1119N	WARNING LABEL	1.000 EA
LB1125C02	SUPER-E (STOCK CTN LABEL SUPER-E WITH FL	4.000 EA
LC0145B01	CONNECTION LABEL	1.000 EA
NP1426XPSL	SS XP UL CSA CC CL-I GP-D CL-II GP-F&G	1.000 EA
40PA1005	PACKAGING GROUP, 09 STD	1.000 EA

AC Induction Motor Performance Data

Record # 20700 - Typical performance - not guaranteed values

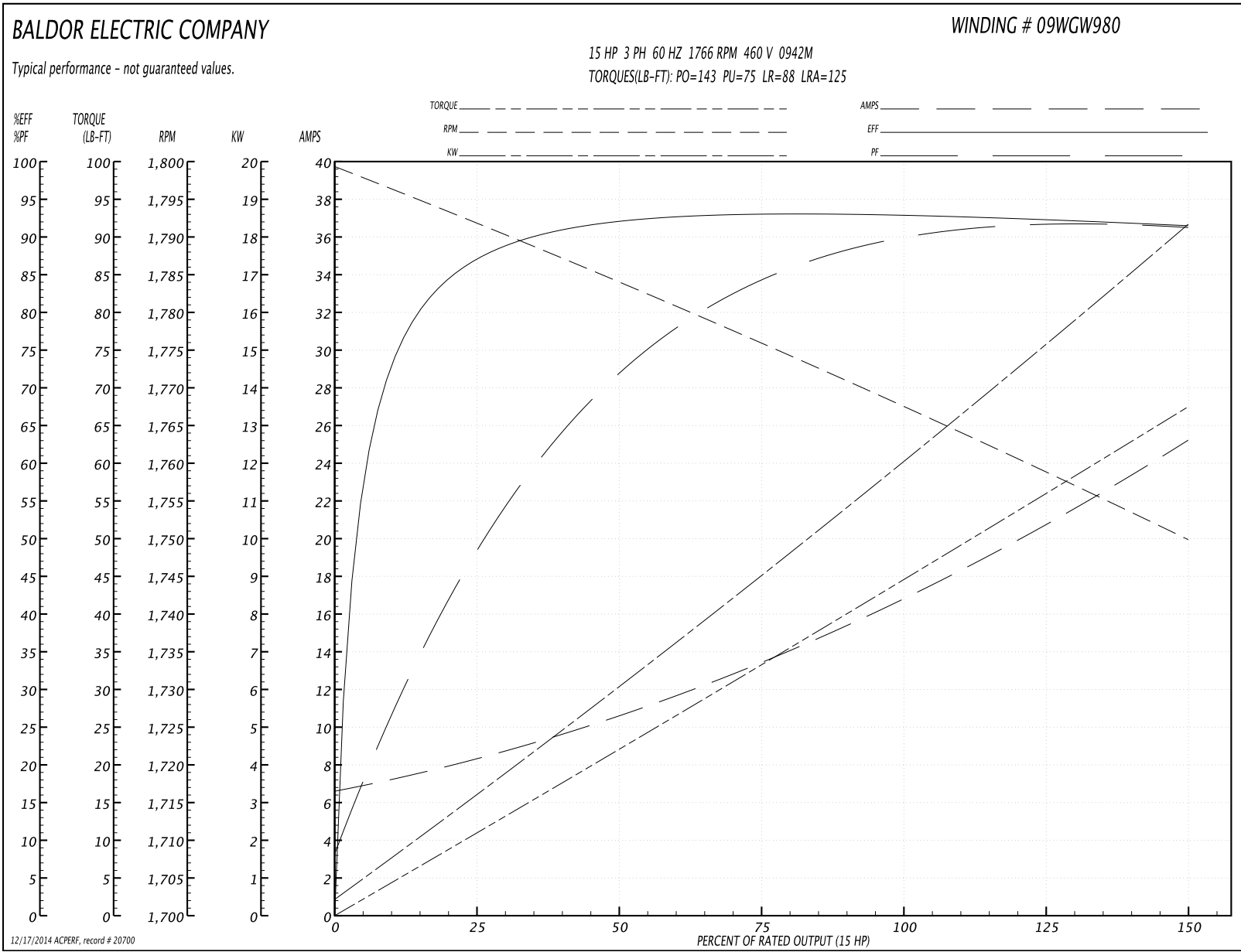
Winding: 09WGW980-R010	Type: 0942M	Enclosure: XPFC
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Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	15//10			Full Load Torque	45 LB-FT
Volts	230/460//190/380			Start Configuration	direct on line
Full Load Amps	36/18//28.8/14.4			Breakdown Torque	143 LB-FT
R.P.M.	1765//1470			Pull-up Torque	75 LB-FT
Hz	60//50	Phase	3	Locked-rotor Torque	88 LB-FT
NEMA Design Code	B	KVA Code	H	Starting Current	125 A
Service Factor (S.F.)	1			No-load Current	6.95 A
NEMA Nom. Eff.	92.4	Power Factor	84	Line-line Res. @ 25°C	0.577 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	47°C
				Rotor inertia	1.84 LF ²

Load Characteristics 460 V, 60 Hz, 15 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	49	71	81	86	88	89	87
Efficiency	87.9	92.1	93	92.8	92.3	91.5	92.5
Speed	1792	1784	1776	1766	1759	1750	1762
Line amperes	7.9	10.5	13.7	17.2	21	25	19.5

Performance Graph at 460V, 60Hz, 15.0HP Typical performance - Not guaranteed values



AC Induction Motor Performance Data

Record # 37544 - Typical performance - not guaranteed values

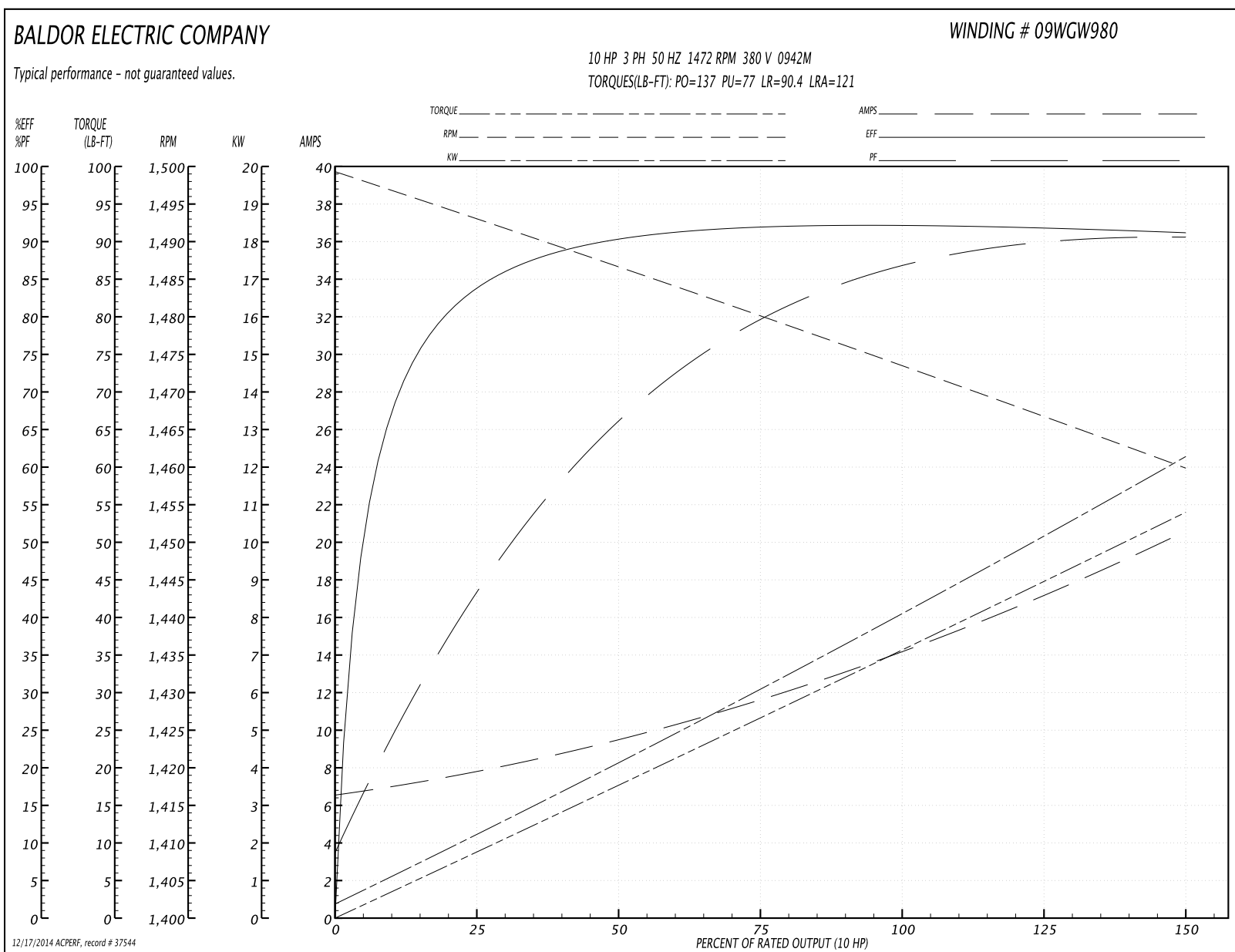
Winding: 09WGW980-R010	Type: 0942M	Enclosure: XPFC
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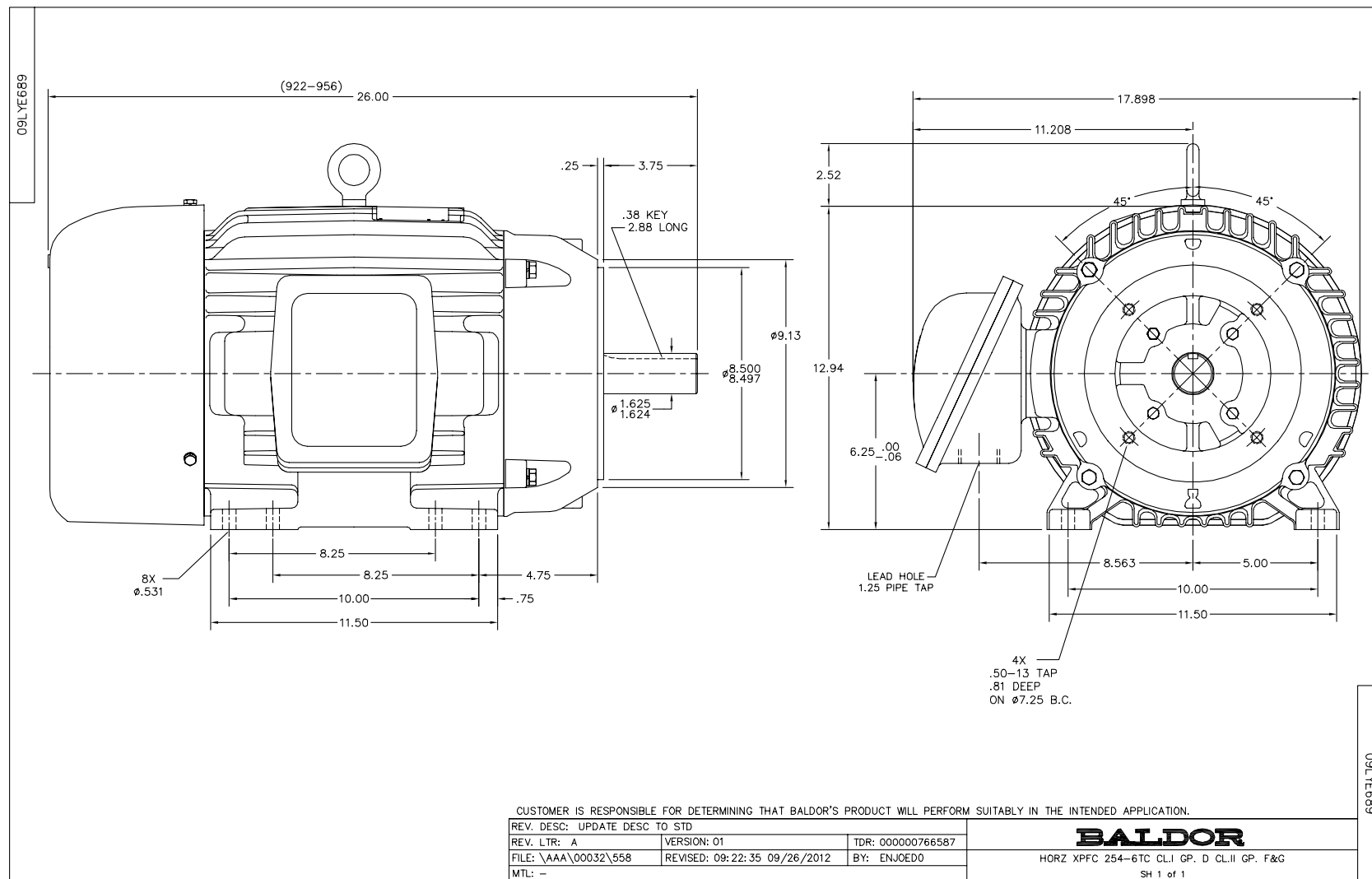
Nameplate Data				380 V, 50 Hz: High Voltage Connection	
Rated Output (HP)	15//10			Full Load Torque	36 LB-FT
Volts	230/460//190/380			Start Configuration	direct on line
Full Load Amps	36/18//28.8/14.4			Breakdown Torque	137 LB-FT
R.P.M.	1765//1470			Pull-up Torque	77 LB-FT
Hz	60//50	Phase	3	Locked-rotor Torque	90.4 LB-FT
NEMA Design Code	B	KVA Code	H	Starting Current	121 A
Service Factor (S.F.)	1			No-load Current	6.82 A
NEMA Nom. Eff.	92.4	Power Factor	84	Line-line Res. @ 25°C	0.587 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	36°C
S.F. Amps				Temp. Rise @ S.F. Load	43°C
				Rotor inertia	1.84 LF ²

Load Characteristics 380 V, 50 Hz, 10 HP

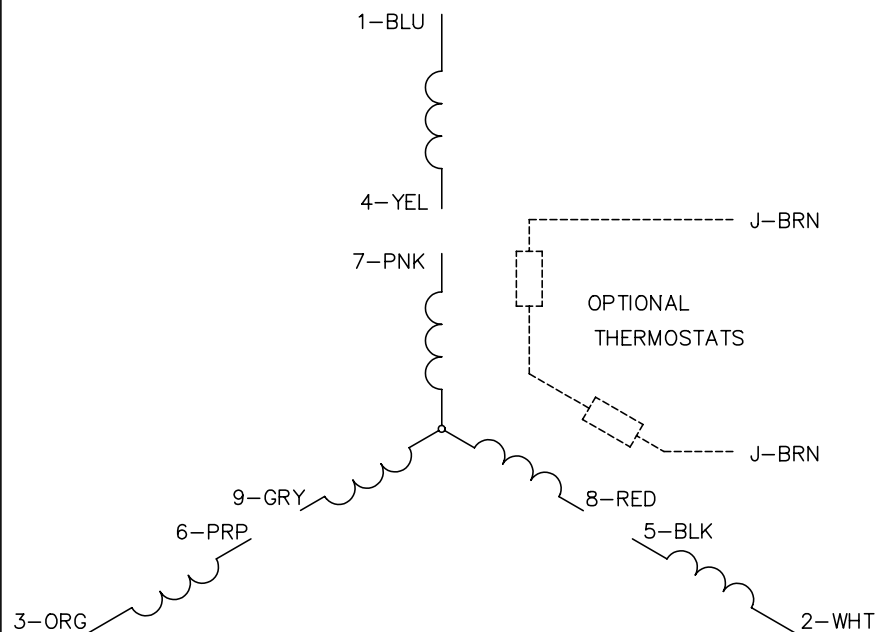
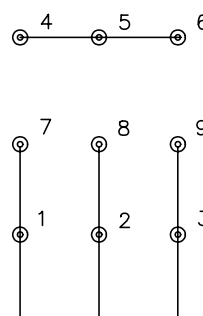
% of Rated Load	25	50	75	100	125	150
Power Factor	46	68	80	86	89	91
Efficiency	84.9	90.5	92	92.1	91.8	91.3
Speed	1493	1487	1480	1472	1467	1460
Line amperes	7.48	9.43	11.8	14.5	17.4	20.4

Performance Graph at 380V, 50Hz, 10.0HP Typical performance - Not guaranteed values

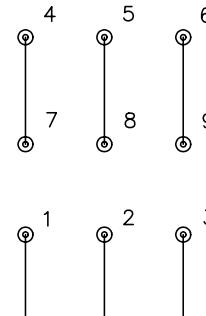




CD0005

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