

BALDOR® • RELIANCE

Product Information Packet

VM7044T

5//3HP,1745//1450RPM,3PH,60//50HZ,184TC

Part Detail							
Revision:	F	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3634M	Elec. Spec:	36WGS543	CD Diagram:	CD0005
Enclosure:	XPFC	Mfg Plant:		Mech. Spec:	36E396	Layout:	36LYE396
Frame:	184TC	Mounting:	F1	Poles:	04	Created Date:	09-07-2010
Base:	N	Rotation:	R	Insulation:	B	Eff. Date:	03-18-2014
Leads:	9#16					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1426XPSL						
NO.		CC	010A			
SER.						
SPEC.	36E396S543H1					
CAT.NO.	VM7044T					
HP	5//3	T. CODE	T3C			
VOLTS	230/460//190/380					
AMPS	13.6/6.8//11/5.5					
RPM	1745//1450					
HZ	60//50	PH	3	CL	B	
SER.F.	1.00	DES	A	CODE	J	
RATING	40C AMB-CONT					
FRAME	184TC	NEMA-NOM-EFF	87.5			
USABLE AT 208V	14.2	PF	78			
BLANK						

Parts List		
Part Number	Description	Quantity
SA202975	SA 36E396S543H1	1.000 EA
RA190238	RA 36E396S543H1	1.000 EA
36FN3000A01SP	EXFN, PLASTIC, 7.00 OD, .912 ID	1.000 EA
35CB3001A02SP	EXPL PROOF CONDUIT BOX, 3/4"PIPE TAP LEA	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
36EP1702A01	FR ENDPLATE, MACH	1.000 EA
HW4500A19	1/4-28X1/4 SLOTTED PLUG F/S	2.000 EA
HW5100A05	WVY WSHR F/205 & 304 BRGS	1.000 EA
36EP1703A01	PU ENDPLATE, MACH	1.000 EA
51XN1032A20	10-32 X 1 1/4 HX WS SL SR	2.000 EA
HW4001A01	1/4 HX SOC PIPE PLG (F/S) ALLOY STEEL W/	2.000 EA
60XN1032A07	10-32 X 1/2 TRUSS HEAD, TORX SERRATED ZN	2.000 EA
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 EA
36FH2000A01	FAN COVER MACH	1.000 EA
12XN1032A10	10-32 X.625 HX WS SL ZN	4.000 EA
HW1001A10	WASHER, #10 SPLT LK, ZN X	4.000 EA
35CB3500A01SP	CONDUIT BOX LID, MACH	1.000 EA
51XN2520A16	SCREW, HEX WS SLT, ZN, 1/4-20 X 1.00	4.000 EA
HW2501E16	3KEY, 1/4 SQ X 1.750	1.000 EA
HA7000A02	KEY RETAINER RING, 1 1/8 DIA, 1 3/8 DIA	1.000 EA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	6.000 EA
NP0018	NP- XP CONDUIT BOX DO NOT MAKE SELLABLE	1.000 EA
MJ1000A75	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB

Parts List (continued)		
Part Number	Description	Quantity
HA3105A06	THRUBOLT- 3/8-16 X 10.500 X	4.000 EA
MG1025G29	MUNSELL 4.5Y 5.3/0.7 DARK CHARCOAL GREY	0.022 GA
MG1025Z20	ACTIVATOR WILKOFAS 060.32	0.010 GA
LB1119N	WARNING LABEL	1.000 EA
LB1125C01	STD (STOCK) CARTON LABEL BALDOR WITH FLA	1.000 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
G0PA1000	SPCL PACKAGING	1.000 EA
PK3082	STYROFOAM CRADLE	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 10/13	1.000 EA

AC Induction Motor Performance Data

Record # 36912 - Typical performance - not guaranteed values

Winding: 36WGS543-R003	Type: 3634M	Enclosure: XPFC
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Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	5//3			Full Load Torque	15 LB-FT
Volts	230/460//190/380			Start Configuration	direct on line
Full Load Amps	13.6/6.8//11/5.5			Breakdown Torque	53.2 LB-FT
R.P.M.	1745//1450			Pull-up Torque	29.2 LB-FT
Hz	60//50	Phase	3	Locked-rotor Torque	34.7 LB-FT
NEMA Design Code	A	KVA Code	J	Starting Current	48.4 A
Service Factor (S.F.)	1			No-load Current	3.42 A
NEMA Nom. Eff.	87.5	Power Factor	78	Line-line Res. @ 25°C	2.53 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	78°C
				Rotor inertia	0.317 LF ²

Load Characteristics 460 V, 60 Hz, 5 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	38	59	72	78	82	83
Efficiency	80.6	86.8	87.6	87.7	86.2	84.6
Speed	1788	1776	1762	1747	1730	1711
Line amperes	3.77	4.5	5.5	6.83	8.24	10

Performance Graph at 460V, 60Hz, 5.0HP Typical performance - Not guaranteed values

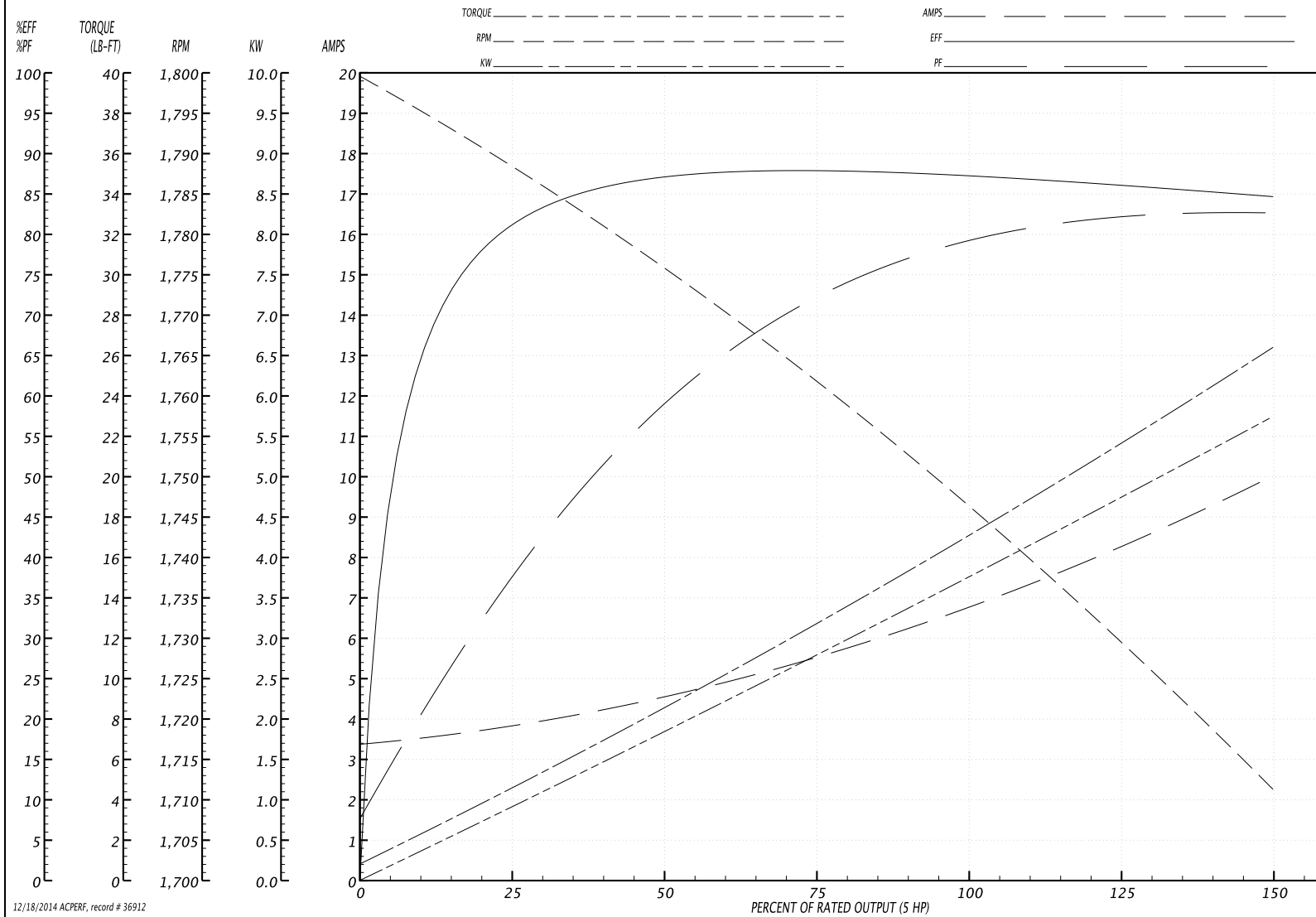
BALDOR ELECTRIC COMPANY

Typical performance - not guaranteed values.

WINDING # 36WGS543

5 HP 3 PH 60 HZ 1747 RPM 460 V 3634M

TORQUES(LB-FT): PO=53.2 PU=29.2 LR=34.7 LRA=48.4



12/18/2014 ACPERF, record # 36912

AC Induction Motor Performance Data

Record # 36913 - Typical performance - not guaranteed values

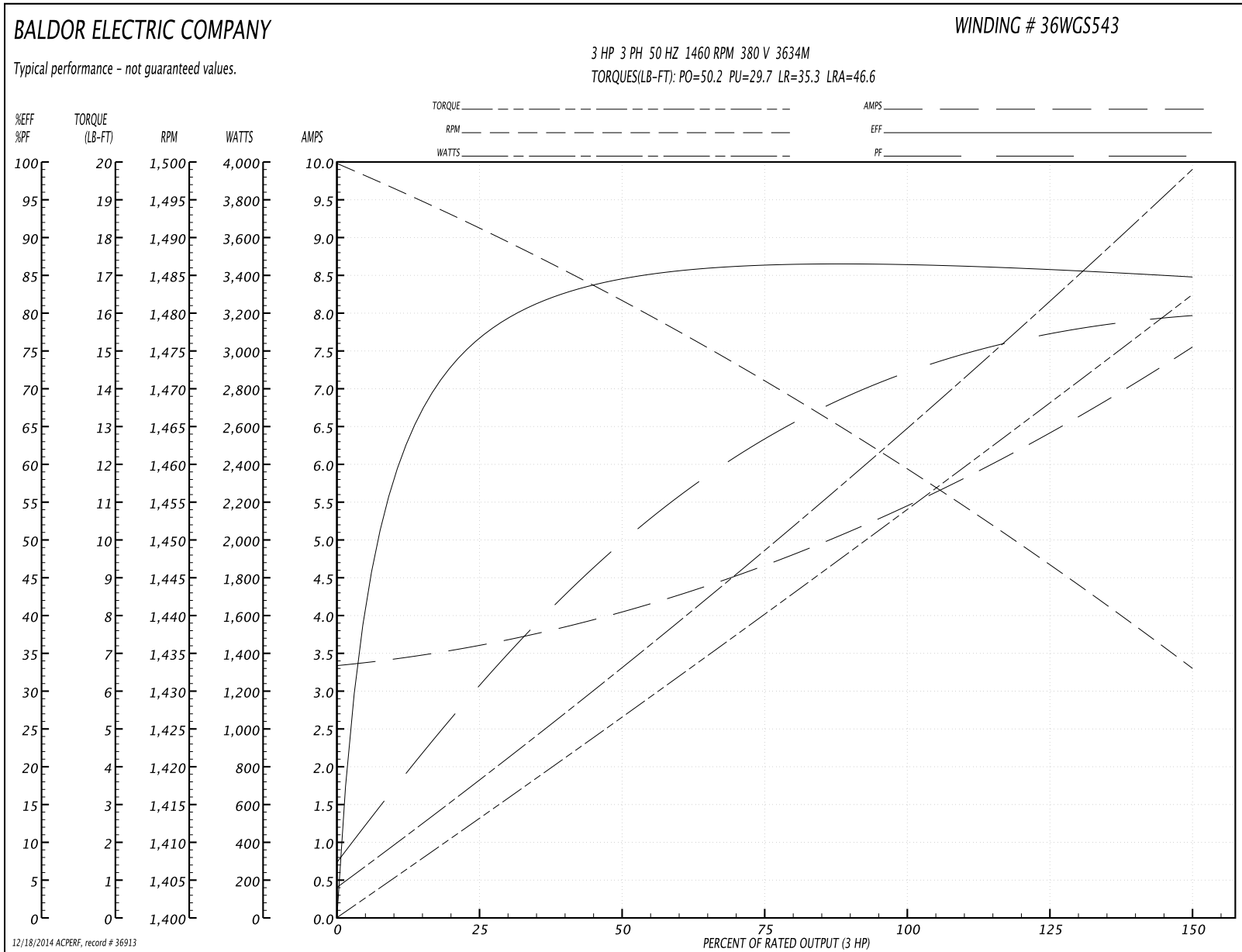
Winding: 36WGS543-R003	Type: 3634M	Enclosure: XPFC
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Nameplate Data				380 V, 50 Hz: High Voltage Connection	
Rated Output (HP)	5//3			Full Load Torque	10.8 LB-FT
Volts	230/460//190/380			Start Configuration	direct on line
Full Load Amps	13.6/6.8//11/5.5			Breakdown Torque	50.2 LB-FT
R.P.M.	1745//1450			Pull-up Torque	29.7 LB-FT
Hz	60//50	Phase	3	Locked-rotor Torque	35.3 LB-FT
NEMA Design Code	A	KVA Code	J	Starting Current	46.6 A
Service Factor (S.F.)	1			No-load Current	3.36 A
NEMA Nom. Eff.	87.5	Power Factor	78	Line-line Res. @ 25°C	2.53 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	56°C
				Rotor inertia	0.317 LF ²

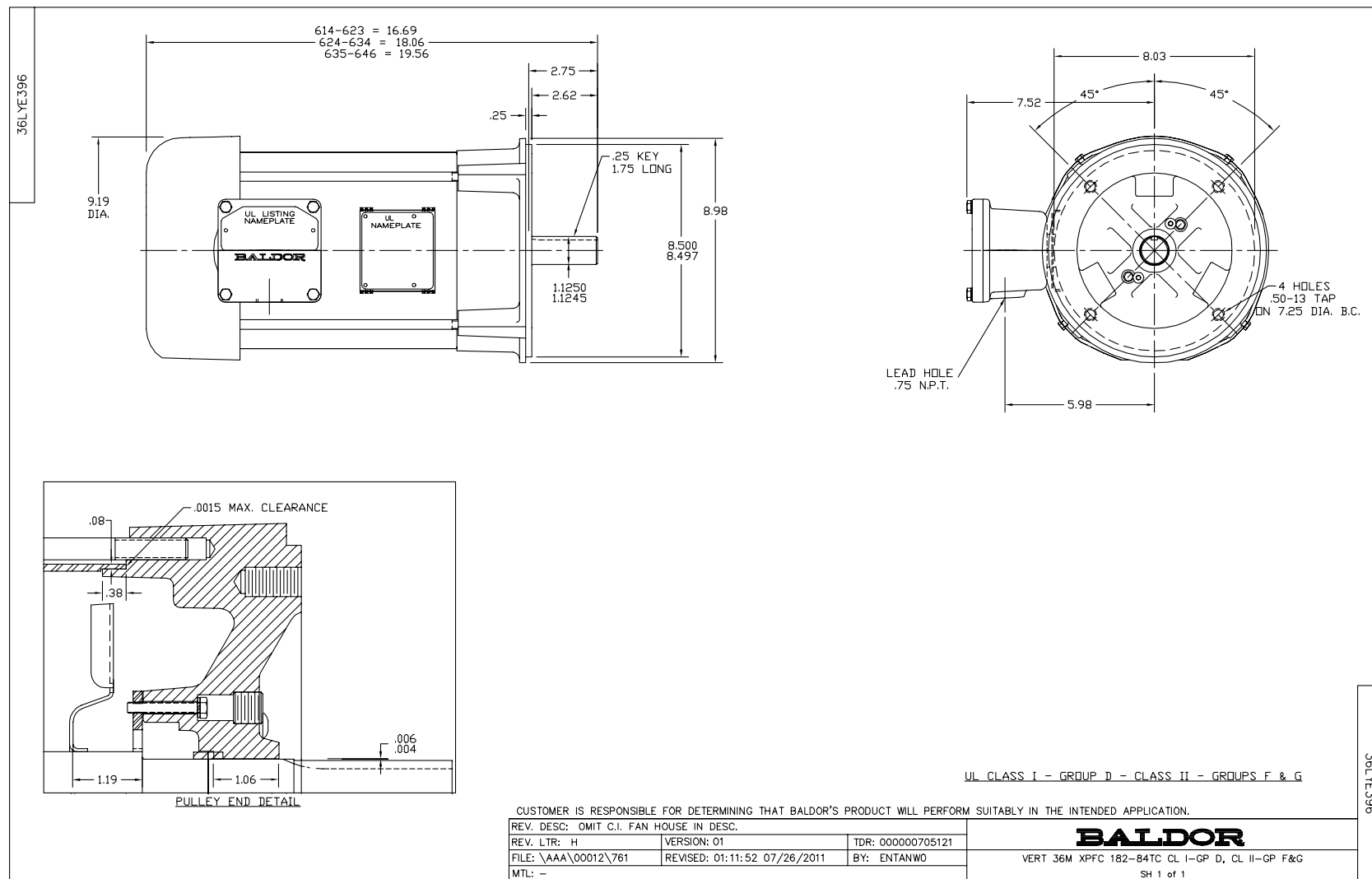
Load Characteristics 380 V, 50 Hz, 3 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	31	50	64	71	77	80
Efficiency	76.2	84.4	86	87.1	85.6	84.8
Speed	1491	1482	1471	1460	1447	1433
Line amperes	3.58	4.02	4.63	5.49	6.39	7.53

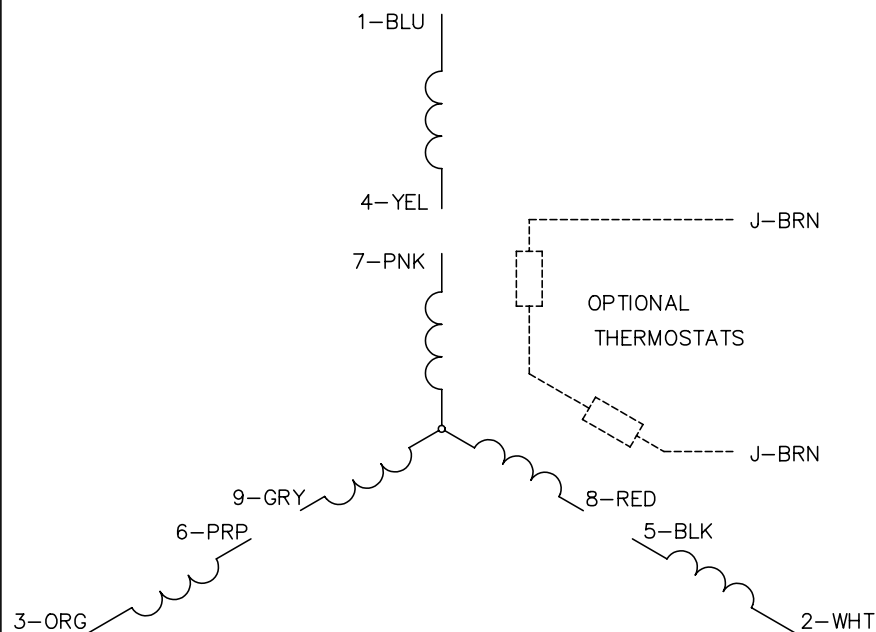
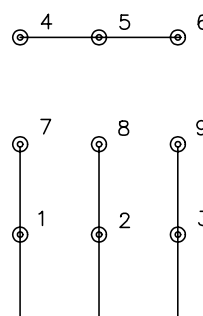
Performance Graph at 380V, 50Hz, 3.0HP Typical performance - Not guaranteed values



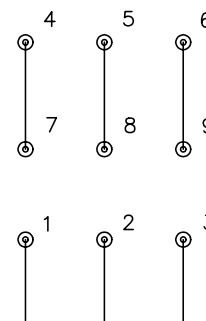
12/18/2014 ACPERF, record # 36913



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