

BALDOR® • RELIANCE

Product Information Packet

JM7018

1.5HP,3450RPM,3PH,60HZ,56J,X3516M,XPFC

Part Detail							
Revision:	AM	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3516M	Elec. Spec:	35WG0082	CD Diagram:	CD0005
Enclosure:	XPFC	Mfg Plant:		Mech. Spec:	35E384	Layout:	35LYE384
Frame:	56J	Mounting:	F1	Poles:	02	Created Date:	06-27-2007
Base:	N	Rotation:	R	Insulation:	B	Eff. Date:	08-26-2014
Leads:	9#18					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1426XPSL						
NO.		CC				
SER.						
SPEC.	35E384-82					
CAT.NO.	JM7018					
HP	1.5	T. CODE	T3C			
VOLTS	208-230/460					
AMPS	5-4.6/2.3					
RPM	3450					
HZ	60	PH	3	CL	B	
SER.F.	1.00	DES	B	CODE	G	
RATING	40C AMB-CONT					
FRAME	56J	NEMA-NOM-EFF	75.5			
USABLE AT 208V	5	PF	76			
BLANK						

Parts List		
Part Number	Description	Quantity
SA024149	SA 35E384-82	1.000 EA
RA020199	RA 35E384-82	1.000 EA
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	003SS CUP WASHER, FOR #8 SCREW	1.000 EA
35EP3700A01SP	FR ENDPLATE, XPFC	1.000 EA
HW5100A03SP	WAVY WASHER (W1543-017)	1.000 EA
35EP3702A01SP	PU EP-205 BRG-35X-56C-143-5TC	1.000 EA
51XN1032A20	10-32 X 1 1/4 HX WS SL SR	2.000 EA
HA3013A01	1/2-20X5/8 SPL.HX BOLT	2.000 EA
HW3021C06	3/32 DI X .625 PIN (F/S)	2.000 EA
XY3118A12	5/16-18 HEX NUT DIRECTIONAL SERRATION	4.000 EA
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 EA
35FH4005A04	IEC FH NO GR SR W/1.09 SHAFT HOLE, W/ AUT	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 EA
WD4100A10	465 NIAGARA PLUG (SO ELEC),FOR 1.093 DIA	1.000 EA
35CB3500A01SP	CONDUIT BOX LID, MACH	1.000 EA
51XN2520A16	SCREW, HEX WS SLT, ZN, 1/4-20 X 1.00	4.000 EA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	6.000 EA
MJ1000A75	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
MG1025G29	MUNSELL 4.5Y 5.3/0.7 DARK CHARCOAL GREY	0.017 GA
MG1025Z20	ACTIVATOR WILKOFAS 060.32	0.010 GA
34FN3002B01	EXTERNAL FAN, PLASTIC, .637/.639 HUB W/	1.000 EA
NP0018	NP- XP CONDUIT BOX DO NOT MAKE SELLABLE	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
HA3104A06	THRUBOLT 5/16-18 X 8.50 OHIO ROD	4.000 EA
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
36PA1000	PACK GROUP W/LB5001	1.000 EA
PK3082	STYROFOAM CRADLE	1.000 EA
LB1506	LABEL "AMERICAN MADE" 1.50 X 1.00	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 10/13	1.000 EA

AC Induction Motor Performance Data

Record # 8025 - Typical performance - not guaranteed values

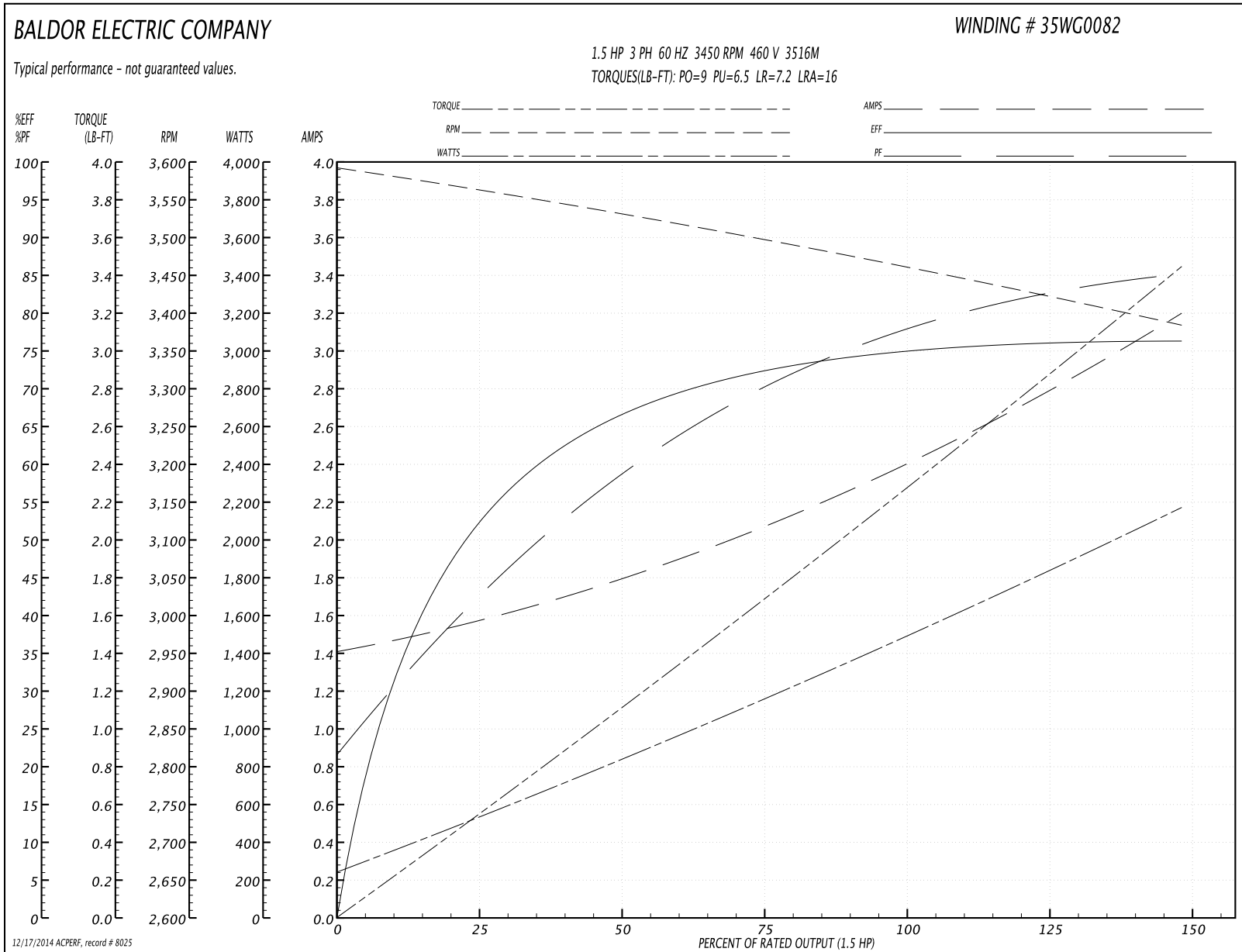
Winding: 35WG0082-R001	Type: 3516M	Enclosure: TEFC
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Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	1.5			Full Load Torque	2.3 LB-FT
Volts	208-230/460			Start Configuration	direct on line
Full Load Amps	5-4.6/2.3			Breakdown Torque	9 LB-FT
R.P.M.	3450			Pull-up Torque	6.5 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	7.2 LB-FT
NEMA Design Code	B	KVA Code	G	Starting Current	16 A
Service Factor (S.F.)	1.15			No-load Current	1.4 A
NEMA Nom. Eff.	75.5	Power Factor	76	Line-line Res. @ 25°C	11.8 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	63°C
S.F. Amps				Temp. Rise @ S.F. Load	70°C
				Rotor inertia	0.0443 LF ²

Load Characteristics 460 V, 60 Hz, 1.5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	43	59	71	79	83	86	81
Efficiency	52.2	66.7	72.7	75.5	76.2	76.1	75.9
Speed	3558	3528	3496	3461	3424	3382	3439
Line amperes	1.6	1.8	2.1	2.4	2.8	3.2	2.64

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



AC Induction Motor Performance Data

Record # 20302 - Typical performance - not guaranteed values

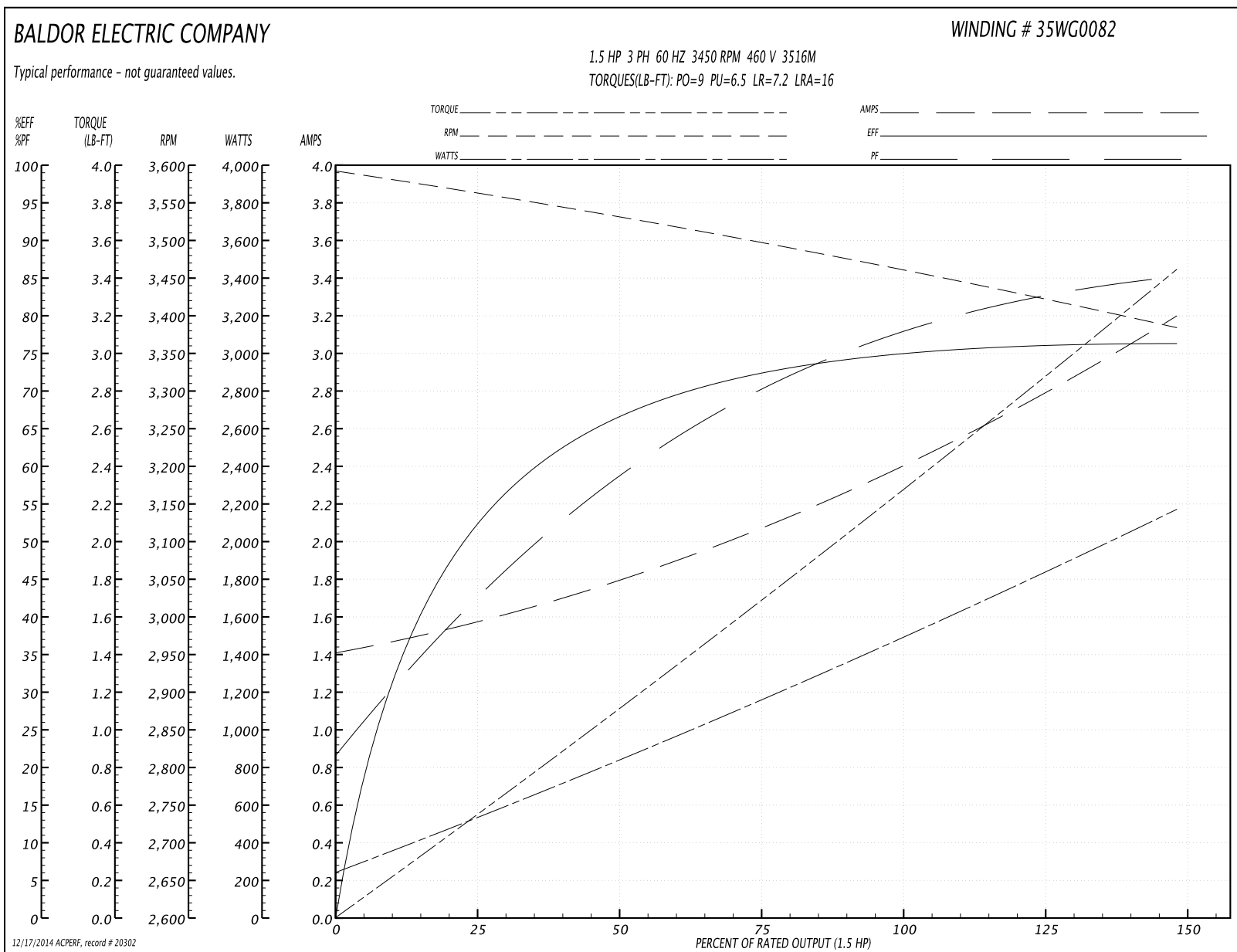
Winding: 35WG0082-R008	Type: 3516M	Enclosure: TEFC
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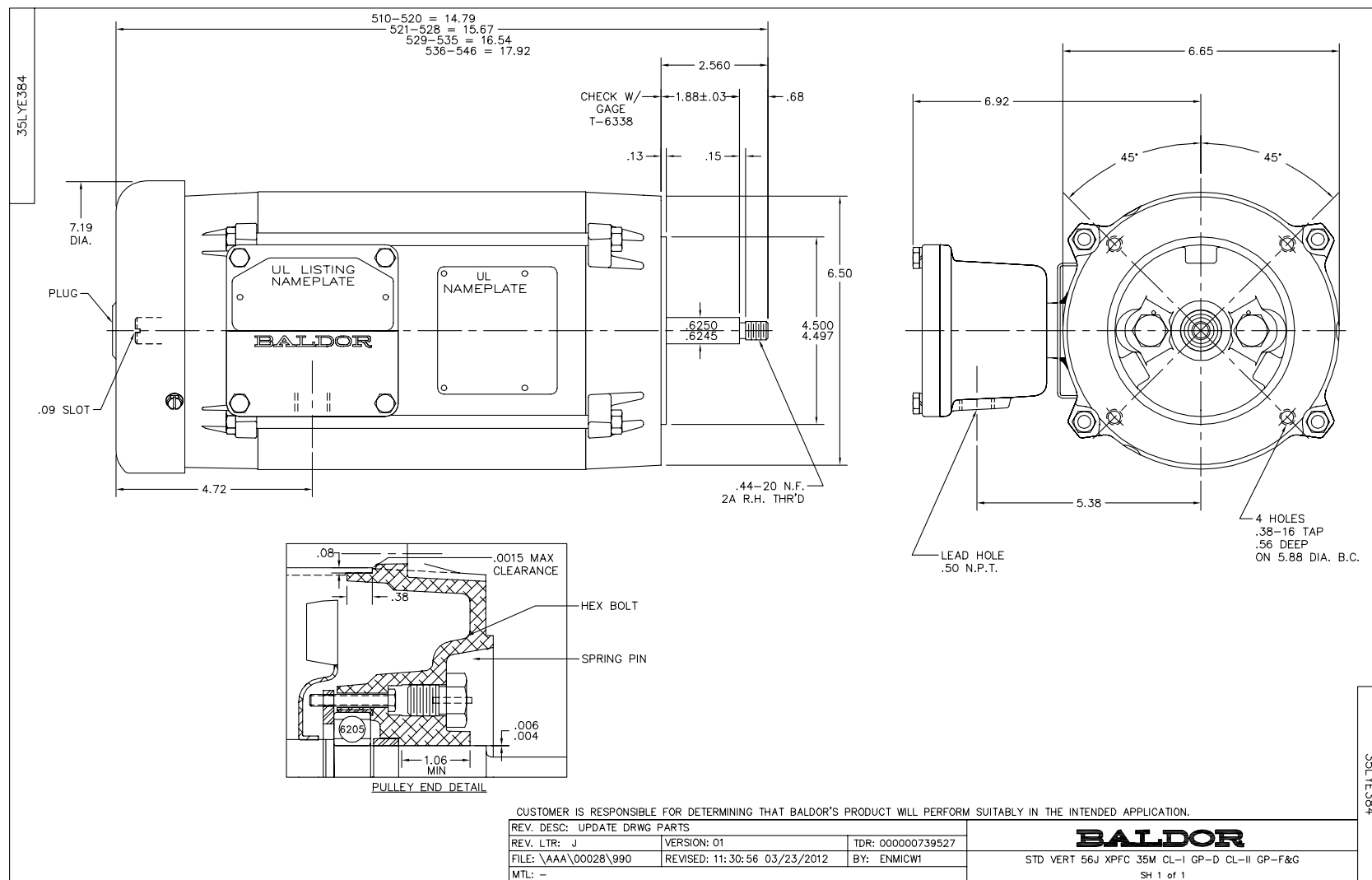
Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	1.5			Full Load Torque	2.3 LB-FT
Volts	208-230/460			Start Configuration	direct on line
Full Load Amps	5-4.6/2.3			Breakdown Torque	9 LB-FT
R.P.M.	3450			Pull-up Torque	6.5 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	7.2 LB-FT
NEMA Design Code	B	KVA Code	G	Starting Current	16 A
Service Factor (S.F.)	1.15			No-load Current	1.4 A
NEMA Nom. Eff.	75.5	Power Factor	76	Line-line Res. @ 25°C	11.8 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	63°C
S.F. Amps				Temp. Rise @ S.F. Load	70°C
				Rotor inertia	0.0443 LF ²

Load Characteristics 460 V, 60 Hz, 1.5 HP

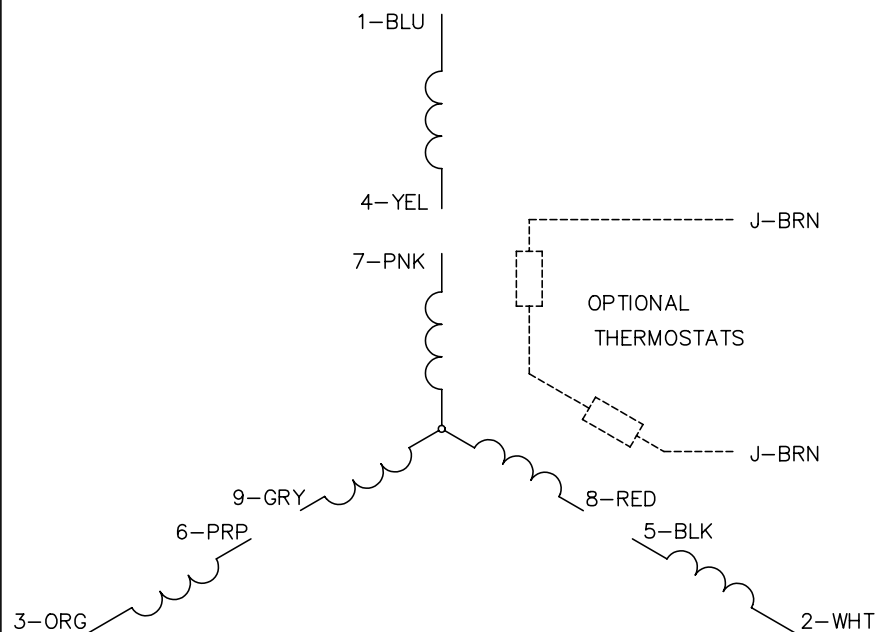
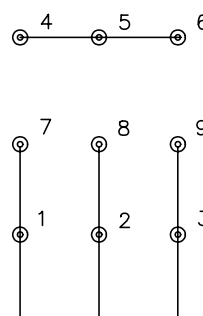
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	43	59	71	79	83	86	81
Efficiency	52.2	66.7	72.7	75.5	76.2	76.1	75.9
Speed	3558	3528	3496	3461	3424	3382	3439
Line amperes	1.6	1.8	2.1	2.4	2.8	3.2	2.64

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

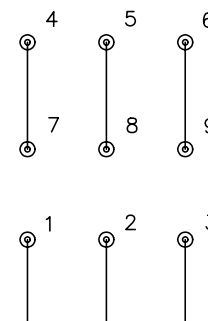




CD0005

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